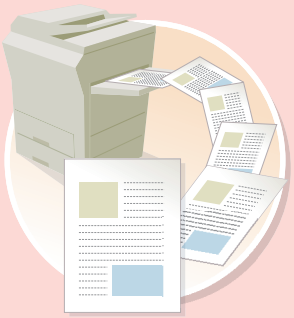
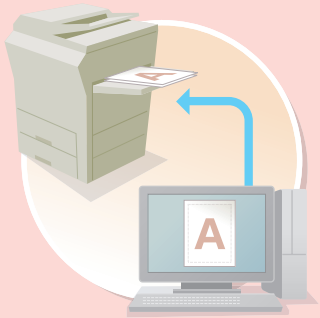
SHARP OPERATION GUIDE

Search based on what you want to do



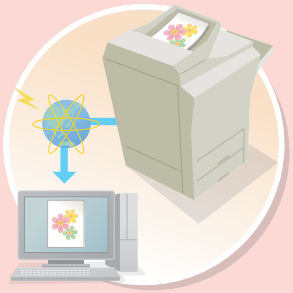
MAKE A COPY



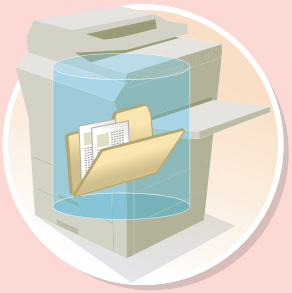
PRINT A DOCUMENT



SEND A FAX



SCAN AN IMAGE / SEND AN INTERNET FAX



SAVE A JOB AND REUSE IT LATER

Search using the table of contents

- BEFORE USING THE MACHINE
- COPIER
- PRINTER
- FACSIMILE
- SCANNER / INTERNET FAX
- SYSTEM SETTINGS
- TROUBLESHOOTING

About Operation Guide

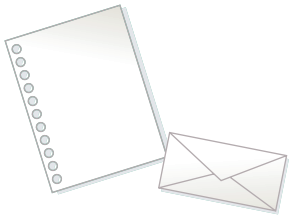
MAKE A COPY



Conserve



Make a copy of this type of original



Make a copy on this type of paper



Add the date or page numbers

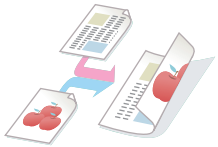


Assemble output into a pamphlet

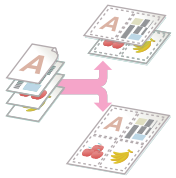


Other convenient functions

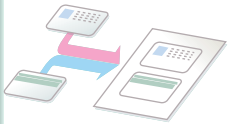
Conserve



Copy on both sides of the paper



Copy multiple pages on one side of one sheet of paper

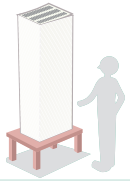


Copy on the front and back of a card

Make a copy of this type of original



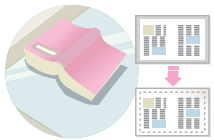
Mixed colour and black & white originals



More original pages than can be loaded at once

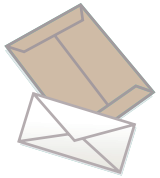


Mixed-size originals

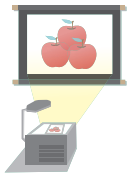


Bulky original (shadows appear at edges)

Make a copy on this type of paper



Envelopes and other special media



Transparency film

Add the date or page numbers



Add the date



Add a stamp



Add the page number



Add text

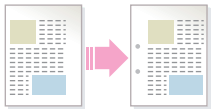
Assemble output into a pamphlet



Create a pamphlet



Staple output



Create a blank margin for punching

Other convenient functions

Functions used for specific purposes

- Make a copy of arranged photos
- Make a mirror-image copy
- Copy onto the centre of the paper
- Make a negative copy

Convenient functions

- Give priority to a copy job
- Check the status of a reserved job
- Copy a thin original
- Adjust the colour

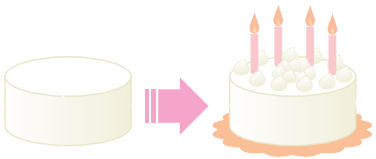
PRINT A DOCUMENT



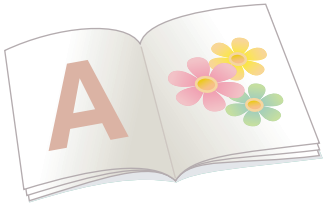
Conserve



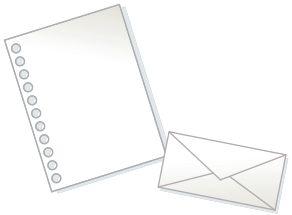
Print without a computer



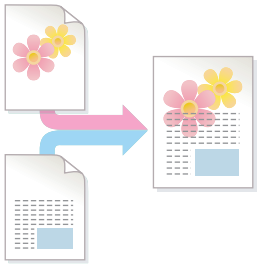
Print attractive output



Assemble output into a pamphlet



Print on this type of paper

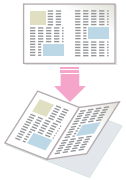


Add text or an image

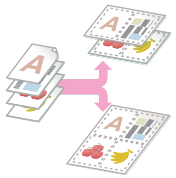


Other convenient functions

Conserve

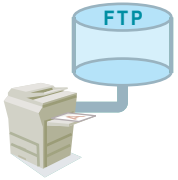


Print on both sides of the paper



Print multiple pages on one side of the paper

Print without a computer



Print a file on an FTP



Print a file in a USB memory device

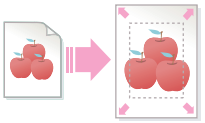


Print a file in a network folder

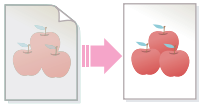


Print a file stored in the machine

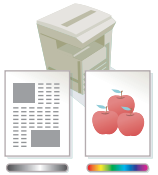
Print attractive output



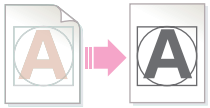
Print matching the size of the paper



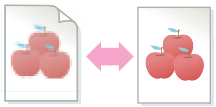
Adjust the brightness and contrast



Print using colour settings suitable for the data



Bring out faint text and lines

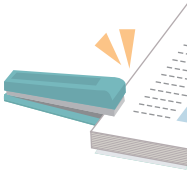


Select the print mode

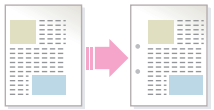
Assemble output into a pamphlet



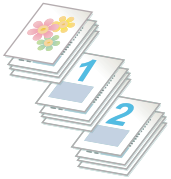
Create a pamphlet



Staple output

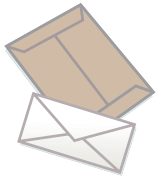


Create a blank margin for punching

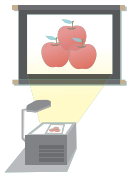


Print specific pages on the front side of the paper

Print on this type of paper



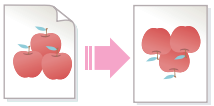
Envelopes



Transparency film

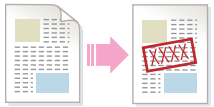


Print specific pages on different paper

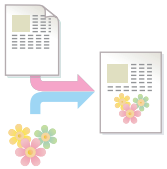


Rotate the image 180 degrees

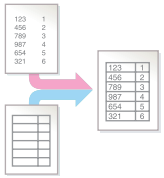
Add text or an image



Add a watermark to print data



Overlay an image on the print data



Overlay a fixed form on the print data

Other convenient functions

Correct the size or orientation of the print data

- Enlarge or reduce the print image
- Print a mirror-image

Security is important

- Print confidentially
- Print an encrypted PDF file

Functions used for specific purposes

- Print an "invoice copy"
- Create a large poster

Convenient functions

- Give priority to a print job
- Store frequently used print settings
- Store a print job

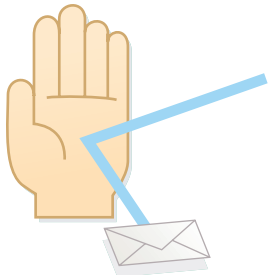
SEND A FAX



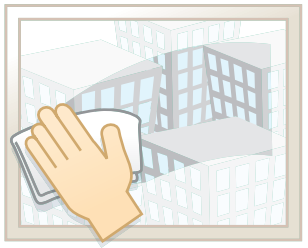
Conserve



Send this type of document



Prevent transmission to the wrong destination



Send a clear document



Save trouble



Security is important



Other convenient functions

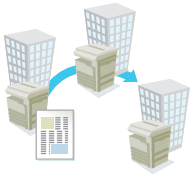
Conserve



Send when the rate is lowest

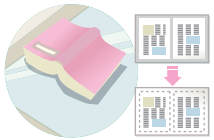


Check received data before printing

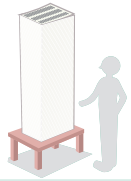


Relay a transmission through a branch office

Send this type of document



Bulky original (shadows appear at edges)



More original pages than can be loaded at once



Original printed on both sides



ID card or other card

Prevent transmission to the wrong destination



Check the destination once more before sending

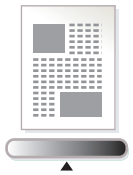


Check the result of transmission

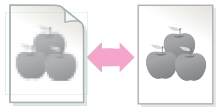


Check the log of previous transmissions

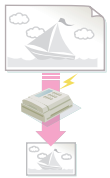
Send a clear document



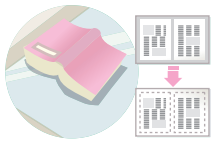
Adjust the exposure



Adjust the image quality

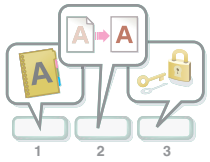


Specify the size before sending

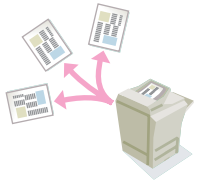


Send without shadows at the edges

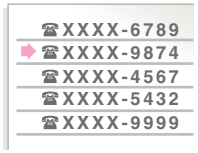
Save trouble



Store frequently used settings



Send to multiple destinations



View the transmission log



Easily specify an address (search number)

Security is important



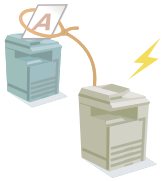
Check the destination once more before sending



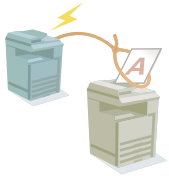
Send confidentially



Print protected reception data



Initiate reception of a document from a sending machine



Send a document at the other machine's request

Other convenient functions

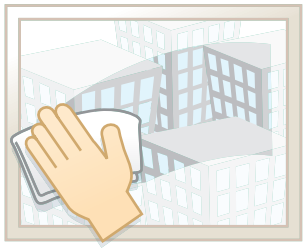
Convenient management functions

- Forward a received fax to a network address
- Print a list of addresses

Convenient functions

- Send a thin original
- Select a transmission destination from a global address book
- Give priority to a transmission
- Use an extension phone

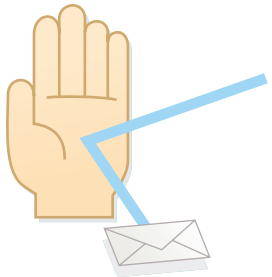
SCAN AN IMAGE / SEND AN INTERNET FAX



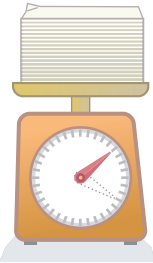
Send a clear image



Send this type of document



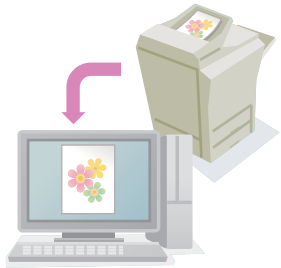
Prevent transmission to the wrong destination



Send a smaller file



Save trouble

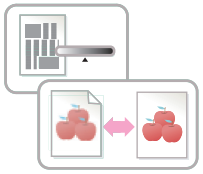


Scan from my computer

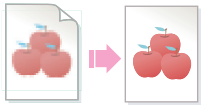


Other convenient functions

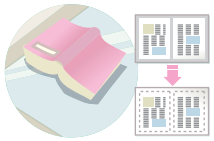
Send a clear image



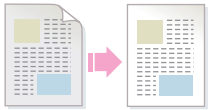
Adjust the contrast or image quality



Adjust the resolution before sending

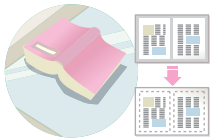


Send without shadows at the edges

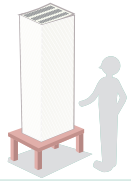


Suppress the background of a transmitted document

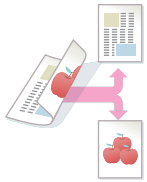
Send this type of document



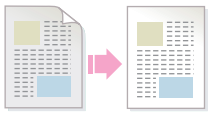
Bulky original (shadows appear at edges)



More original pages than can be loaded at once



Original printed on both sides



Original with background

Prevent transmission to the wrong destination

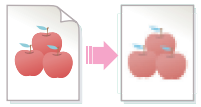


Check the result of transmission

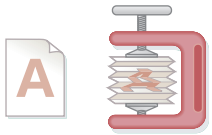


Check the log of previous transmissions

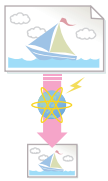
Send a smaller file



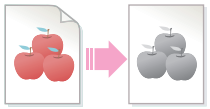
Send at low resolution



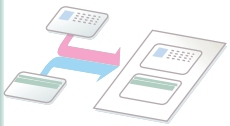
Compress a file before sending



Reduce an image before sending

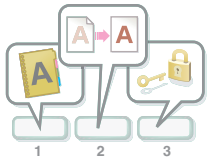


Send an image in black & white

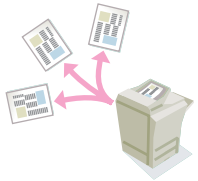


ID or other card

Save trouble



Store frequently used settings



Send to multiple destinations



View the transmission log



Easily specify an address (search number)



Send an Internet fax from a computer

Other convenient functions

Convenient management functions

- Forward a received fax to a network address
- Print a list of transmission destinations

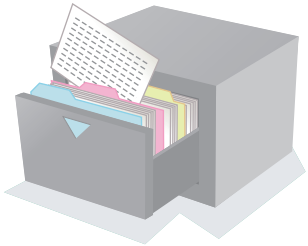
Convenient functions

- Scan a thin original
- Select a transmission destination from a global address book
- Send at a specified time
- Give priority to a transmission
- Send in USB memory mode

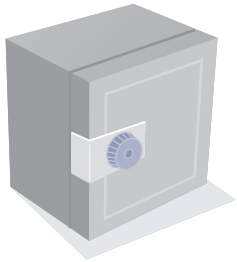
SAVE A JOB AND REUSE IT LATER



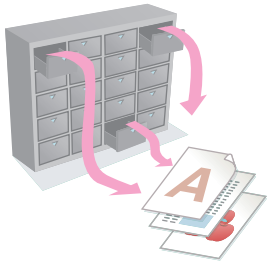
Search for a file



Organize my files

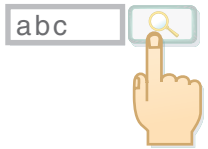


Save an important document



Print a batch of files

Search for a file



Search for a file using a keyword

Organize my files



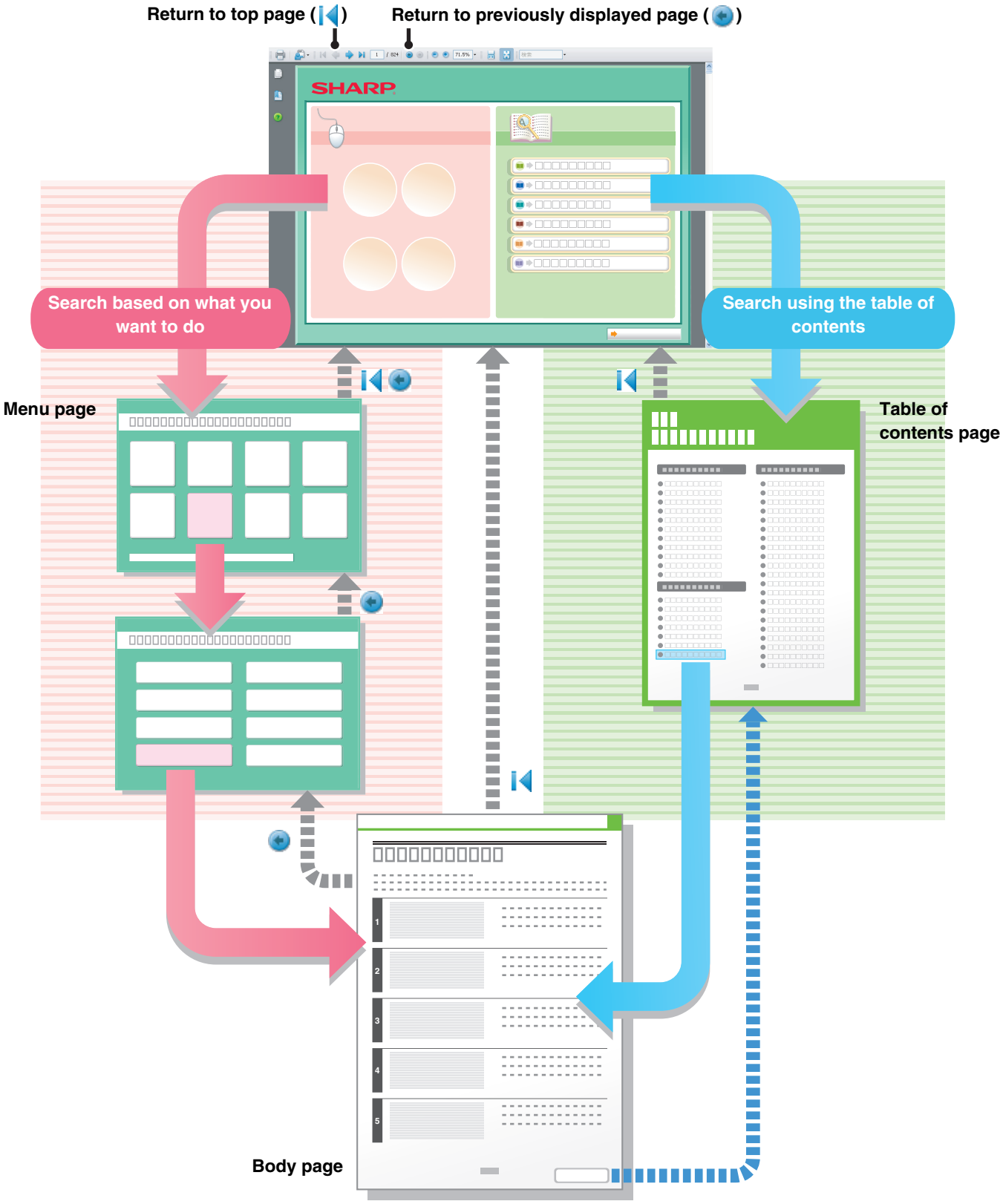
Delete a file



Periodically delete files

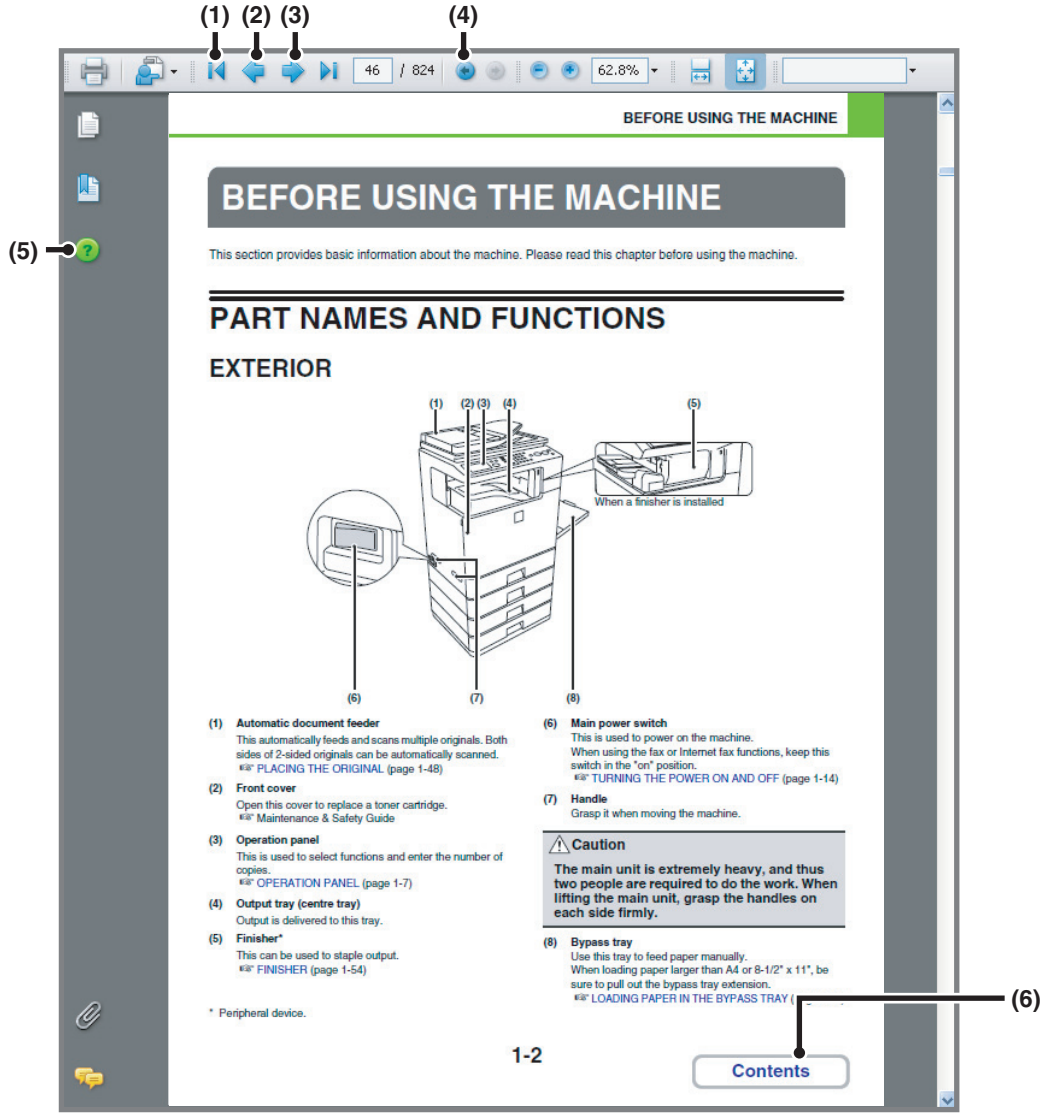
ABOUT OPERATION GUIDE

There are two ways to search for a topic in this guide: you can use an "I want to..." menu, or you can use a regular table of contents.
The following explanation assumes that Adobe Reader 8.0 is being used (Some buttons do not appear in the default state.).



HOW TO USE THIS MANUAL

Click a button below to move to the page that you wish to view.



(1) Return to top page button

If an operation does not proceed as expected, click this button to start over again.

(2) Back one page button

Displays the previous page.

(3) Forward one page button

Displays the next page.

(4) Return to previously displayed page button

Displays the page that was displayed before the current page.

(5) Adobe Reader Help button

Opens Adobe Reader Help.

(6) Contents button

Displays the contents of each chapter.
For example, if the current page is a page in the body of the printer chapter, this button shows the contents of the printer chapter.

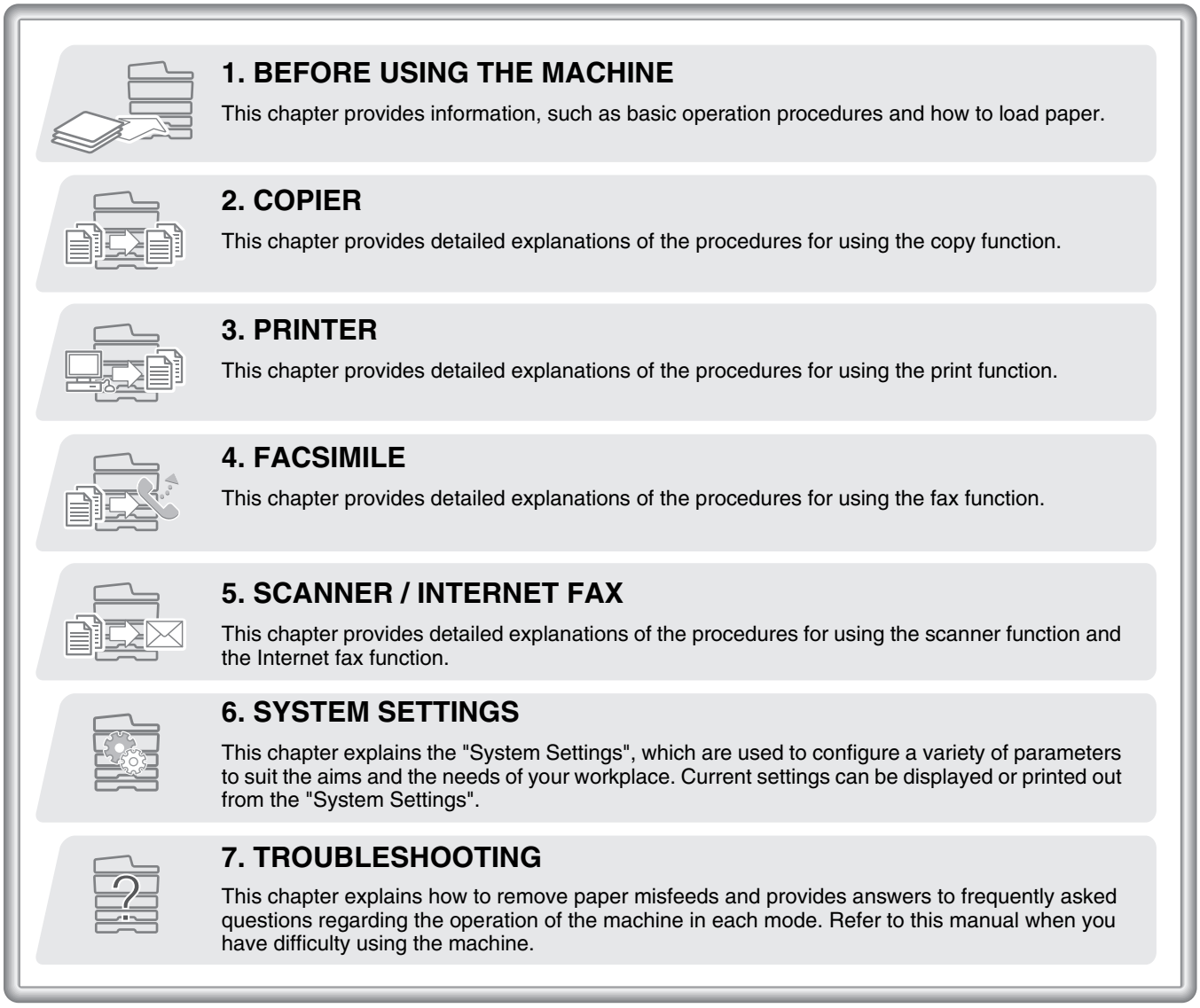
- If a button does not appear, refer to Adobe Reader Help to display the button.
- **Caution when printing**

  If all pages are printed, the menu pages of the "I want to..." menu will also be printed. To print only the pages that contain the explanation of a function, specify a page range.

MANUALS PROVIDED WITH THE MACHINE

Operation manuals in PDF format (this manual)

The manuals in PDF format provide detailed explanations of the procedures for using the machine in each mode. To view the PDF manuals, download them from the hard drive in the machine. The procedure for downloading the manuals is explained in "Downloading the Operation Guide" in the Quick Start Guide.



1. BEFORE USING THE MACHINE

This chapter provides information, such as basic operation procedures and how to load paper.

2. COPIER

This chapter provides detailed explanations of the procedures for using the copy function.

3. PRINTER

This chapter provides detailed explanations of the procedures for using the print function.

4. FACSIMILE

This chapter provides detailed explanations of the procedures for using the fax function.

5. SCANNER / INTERNET FAX

This chapter provides detailed explanations of the procedures for using the scanner function and the Internet fax function.

6. SYSTEM SETTINGS

This chapter explains the "System Settings", which are used to configure a variety of parameters to suit the aims and the needs of your workplace. Current settings can be displayed or printed out from the "System Settings".

7. TROUBLESHOOTING

This chapter explains how to remove paper misfeeds and provides answers to frequently asked questions regarding the operation of the machine in each mode. Refer to this manual when you have difficulty using the machine.

Printed manuals

Manual name	Contents
Maintenance & Safety Guide	This manual contains instructions for using the machine safely and lists the specifications of the machine and its peripheral devices.
Software Setup Guide	This manual explains how to install the software and configure settings to use the machine as a printer or scanner.
Quick Start Guide	This manual provides easy-to-understand explanations of all the functions of the machine in a single volume. Detailed explanations of each of the functions can be found in the manuals in PDF format.

ABOUT OPERATION MANUAL

This manual explains how to use the MX-C310/MX-C380/MX-C400 digital full colour multifunctional system.

Please note

- For information on installing the drivers and software cited in this manual, please refer to the Software Setup Guide.
- For information on your operating system, please refer to your operating system manual or the online Help function.
- The explanations of screens and procedures in a Windows environment are primarily for Windows Vista®. The screens may vary depending on the version of the operating system or the software application.
- The explanations of screens and procedures in a Macintosh environment are based on Mac OS X v10.4 in the case of Mac OS X. The screens may vary depending on the version of the operating system or the software application.
- Wherever "MX-xxxx" appears in this manual, please substitute your model name for "xxxx".
- This manual contains references to the fax function. However, please note that the fax function is not available in some countries and regions.
- Considerable care has been taken in preparing this manual. If you have any comments or concerns about the manual, please contact your dealer or nearest authorised service representative.
- This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your dealer or nearest authorised service representative.
- Aside from instances provided for by law, SHARP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product.

Warning

- Reproduction, adaptation or translation of the contents of the manual without prior written permission is prohibited, except as allowed under copyright laws.
- All information in this manual is subject to change without notice.

Illustrations and the operation panel and display shown in this manual

The peripheral devices are generally optional, however, some models include certain peripheral devices as standard equipment.
The explanations in this manual assume that 500-sheet paper feed units (total of four trays) are installed on the MX-C400.
For some functions and procedures, the explanations assume that devices other than the above are installed.

The display screens, messages, and key names shown in the manual may differ from those on the actual machine due to product improvements and modifications.

Icons used in the manuals

The icons in the manuals indicate the following types of information:

Warning	This alerts you to a situation where there is a risk of human death or injury.
Caution	This alerts you to a situation where there is a risk of human injury or property damage.

	This alerts you to a situation where there is a risk of machine damage or failure.		This indicates the name of a system setting and provides a brief explanation of the setting. **When "System Settings:" appears:** A general setting is explained. **When "System Settings (Administrator):" appears:** A setting that can only be configured by an administrator is explained.
	This provides a supplemental explanation of a function or procedure.		
	This explains how to cancel or correct an operation.		

CHAPTER 1
BEFORE USING THE MACHINE

This chapter provides information on basic operation procedures, how to load paper and machine maintenance.

BEFORE USING THE MACHINE

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- EXTERNAL ACCOUNT MODULE (MX-AMX3) 1-57

ENTERING TEXT

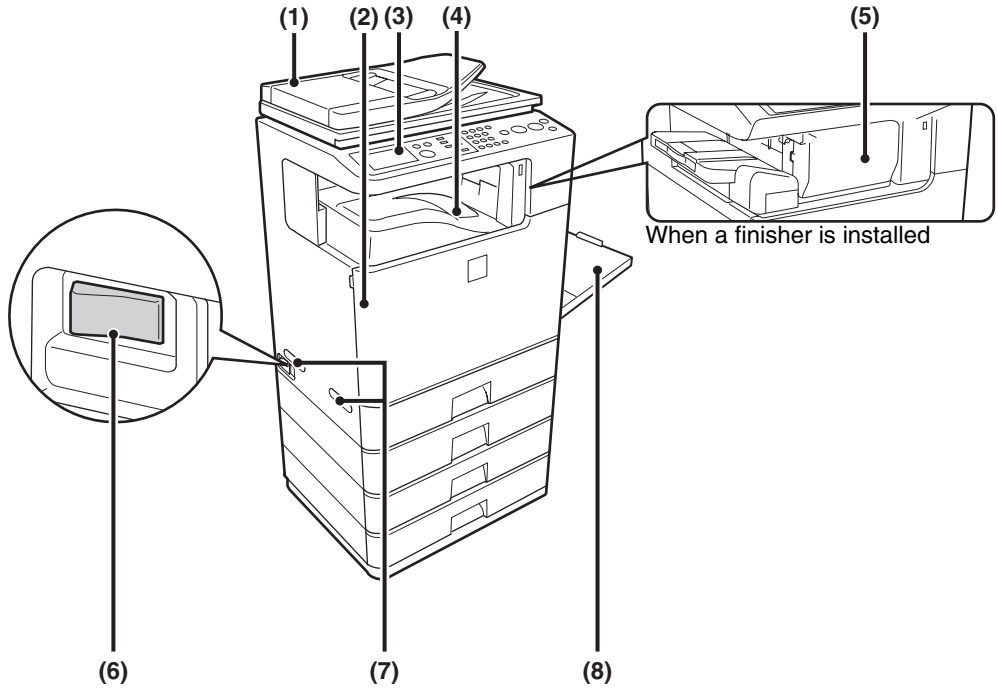
FUNCTIONS OF THE MAIN KEYS 1-59

BEFORE USING THE MACHINE

This section provides basic information about the machine. Please read this chapter before using the machine.

PART NAMES AND FUNCTIONS

EXTERIOR



(1) Automatic document feeder

This automatically feeds and scans multiple originals. Both sides of 2-sided originals can be automatically scanned.
☞ PLACING THE ORIGINAL (page 1-48)

(2) Front cover

Open this cover to replace a toner cartridge.
☞ Maintenance & Safety Guide

(3) Operation panel

This is used to select functions and enter the number of copies.
☞ OPERATION PANEL (page 1-7)

(4) Output tray (centre tray)

Output is delivered to this tray.

(5) Finisher*

This can be used to staple output.
☞ FINISHER (page 1-54)

(6) Main power switch

This is used to power on the machine.
When using the fax or Internet fax functions, keep this switch in the "on" position.
☞ TURNING THE POWER ON AND OFF (page 1-14)

(7) Handle

Grasp it when moving the machine.

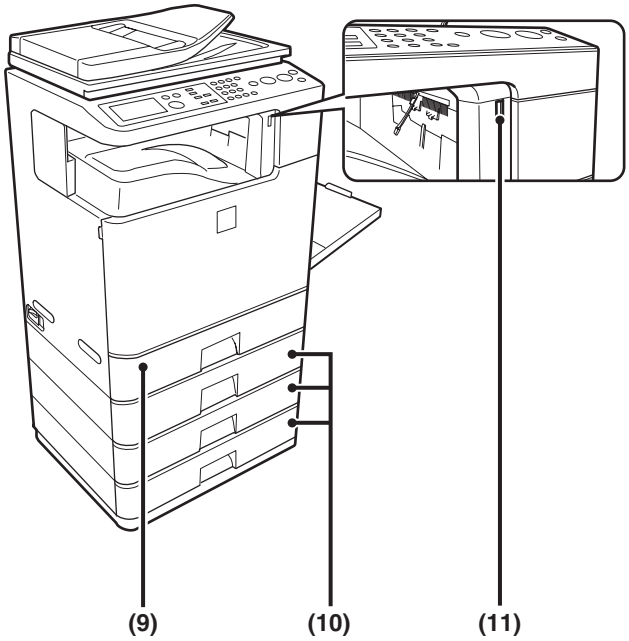
⚠ Caution

The main unit is extremely heavy, and thus two people are required to do the work. When lifting the main unit, grasp the handles on each side firmly.

(8) Bypass tray

Use this tray to feed paper manually.
When loading paper larger than A4 or 8-1/2" x 11", be sure to pull out the bypass tray extension.
☞ LOADING PAPER IN THE BYPASS TRAY (page 1-45)

* Peripheral device.



(9) Tray 1

This holds paper.

☞ TRAY SETTINGS FOR TRAY 1 TO 4 (page 1-43)

(10) Tray 2/Tray 3/Tray 4 (when 500-sheet paper feed units are installed)*

These hold paper.
For 500-sheet paper feed unit combinations, consult your dealer or nearest authorised service representative.

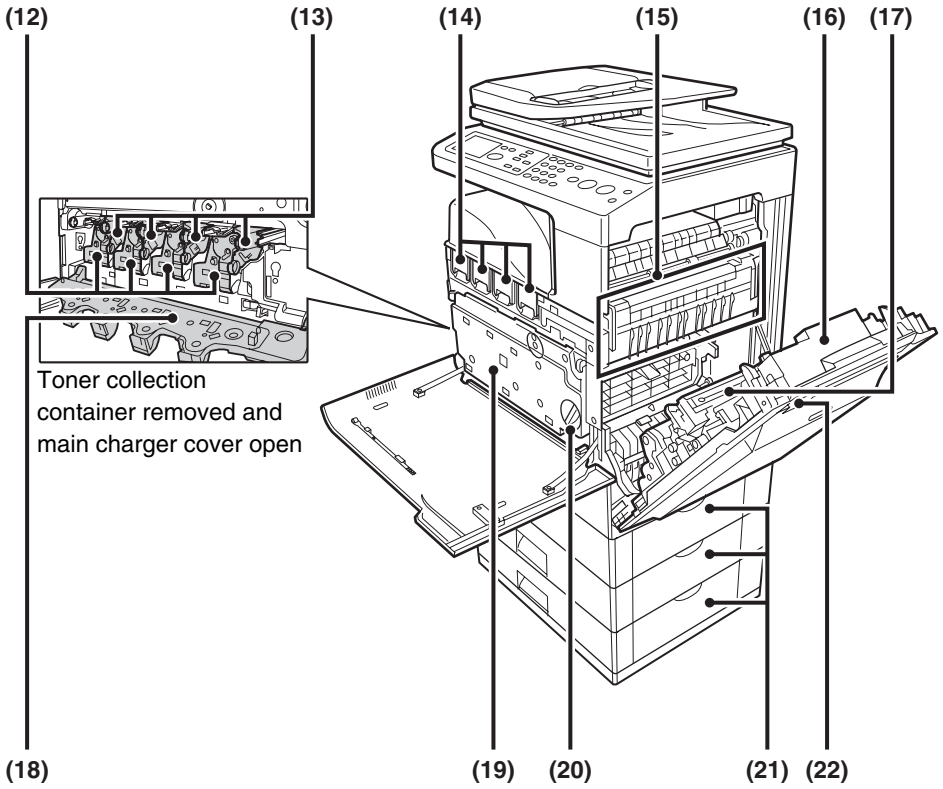
☞ TRAY SETTINGS FOR TRAY 1 TO 4 (page 1-43)

(11) USB connector (A type)

Supports USB 2.0 (Hi-Speed).
This is used to connect a USB device such as USB memory to the machine.
For the USB cable, use a shielded cable.

* Peripheral device.

INTERIOR



(12) Developer cartridges
This contains the developer that is necessary to transfer the toner to the paper.
When replacing the drum cartridge, the developer cartridge must be removed before the drum cartridge is replaced.
☞ Maintenance & Safety Guide

(13) Drum cartridges
This contains the photosensitive drum that is used to create images for copying and printing.
☞ Maintenance & Safety Guide

(14) Toner cartridges
These contain toner for printing. When the toner runs out in a cartridge, the cartridge of the colour that ran out must be replaced.
☞ Maintenance & Safety Guide

(15) Fusing unit
Heat is applied here to fuse the transferred image onto the paper.

⚠ Caution

The fusing unit is hot. Take care not to burn yourself when removing a paper misfeed.

(16) Right side cover
Open this cover to remove a misfeed.
☞ 7. TROUBLESHOOTING "REMOVING MISFEEDS" (page 7-2)

(17) Paper reversing section
This is used when 2-sided printing is performed. Open this part to remove a paper misfeed.
☞ 7. TROUBLESHOOTING "REMOVING MISFEEDS" (page 7-2)

(18) Main charger cover
Open this cover to clean the main charger.
☞ Maintenance & Safety Guide

(19) Toner collection container
This collects excess toner that remains after printing.
☞ Maintenance & Safety Guide

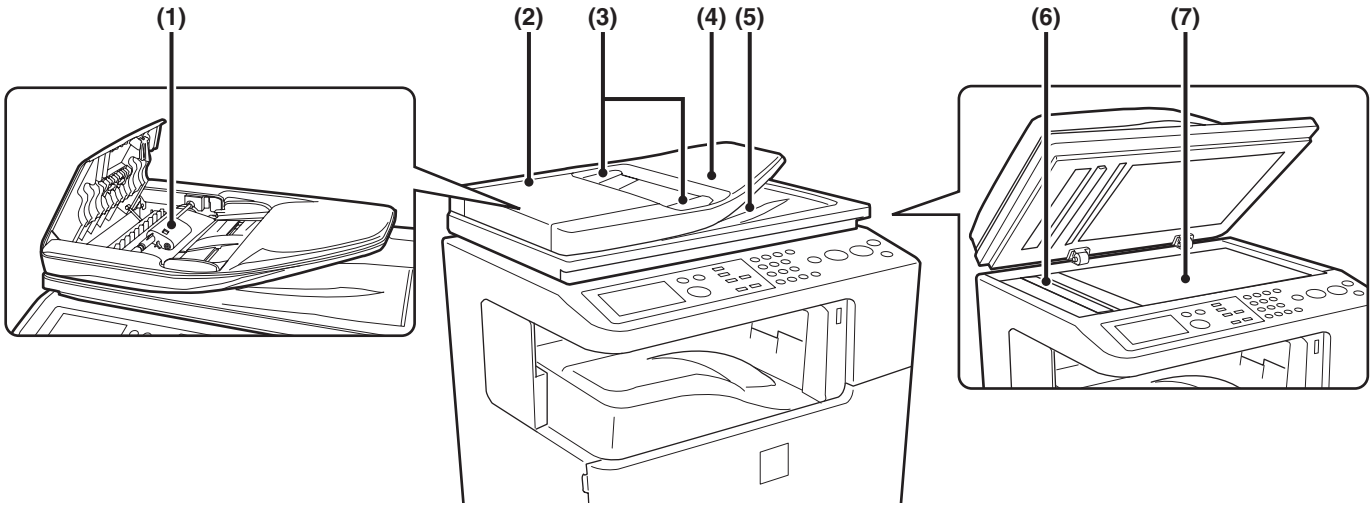
Your service technician will collect the toner collection container.

(20) Toner collection container release lever
Turn this lever when you need to release the toner collection container lock to replace the toner collection container or clean the laser unit.
☞ Maintenance & Safety Guide

(21) Paper tray right side cover
Open this to remove a paper misfeed in trays.
☞ 7. TROUBLESHOOTING "REMOVING MISFEEDS" (page 7-2)

(22) Right side cover release lever
To remove a paper misfeed, pull and hold this lever up to open the right side cover.
☞ 7. TROUBLESHOOTING "REMOVING MISFEEDS" (page 7-2)

AUTOMATIC DOCUMENT FEEDER AND DOCUMENT GLASS



(1) Paper feed roller

This roller rotates to automatically feed the original.

(2) Document feeding area cover

Open this cover to remove an original misfeed or clean the paper feed roller.

☞ 7. TROUBLESHOOTING "REMOVING MISFEEDS" (page 7-2)

☞ Maintenance & Safety Guide

(3) Original guides

These help ensure that the original is scanned correctly. Adjust the guides to the width of the original.

☞ PLACING THE ORIGINAL (page 1-48)

(4) Document feeder tray

Place originals in this tray. 1-sided originals must be placed face up.

☞ PLACING THE ORIGINAL (page 1-48)

(5) Original exit tray

Originals are delivered to this tray after scanning.

(6) Scanning area

Originals placed in the document feeder tray are scanned here.

☞ Maintenance & Safety Guide

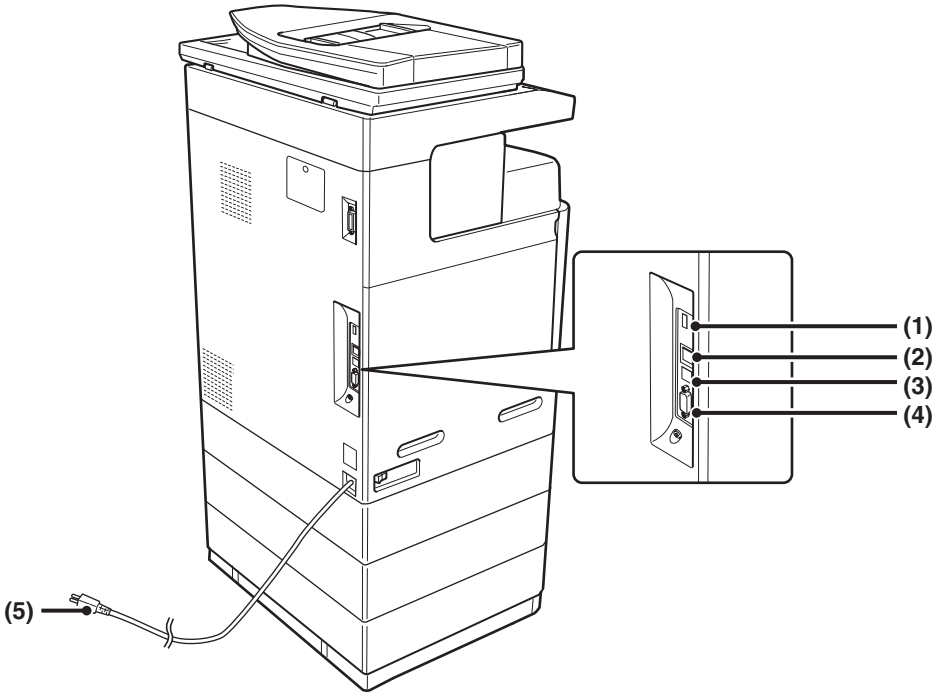
(7) Document glass

Use this to scan a book or other thick original that cannot be fed through the automatic document feeder.

☞ PLACING THE ORIGINAL ON THE DOCUMENT GLASS (page 1-50)

Contents

SIDE AND BACK



(1) USB connector (A type)

Supports USB 2.0 (Hi-Speed).
This is used to connect a USB device such as USB memory to the machine.
This connector is not initially available for use. If you wish to use the connector, contact your service technician.

(2) LAN connector

Connect the LAN cable to this connector when the machine is used on a network.
For the LAN cable, use a shielded type cable.

(3) USB connector (B type)

Supports USB 2.0 (Hi-Speed).
A computer can be connected to this connector to use the machine as a printer.
For the USB cable, use a shielded cable.

(4) Service-only connector

⚠ Caution

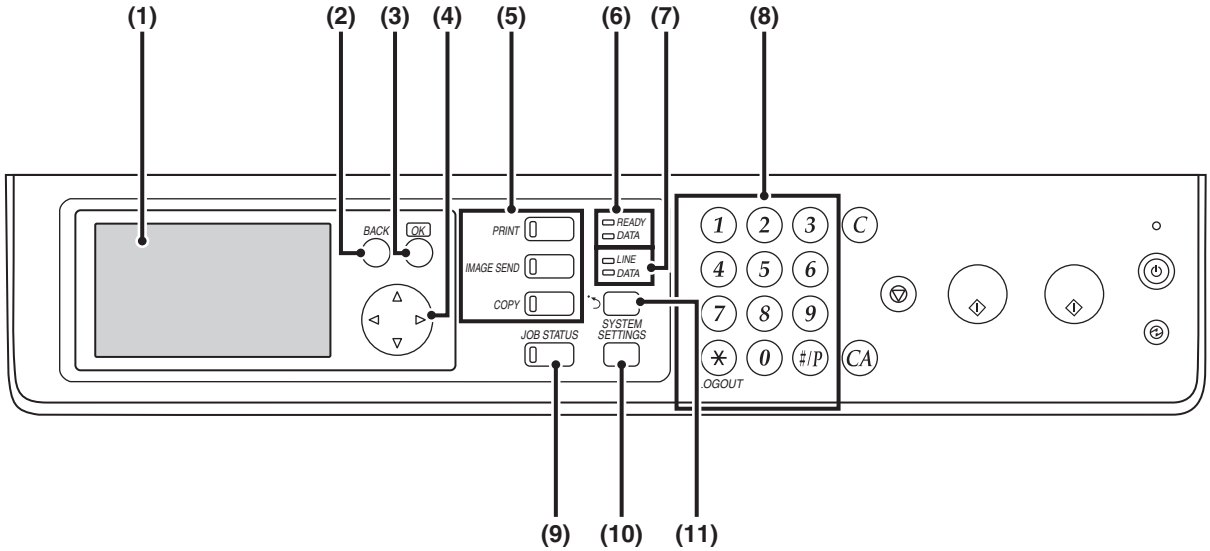
This connector is for use only by service technicians.
Connecting a cable to this connector may cause the machine to malfunction.

Important note for service technicians:
The cable connected to the service connector must be less than 3 m (118") in length.

(5) Power plug

Contents

OPERATION PANEL



(1) Display

Messages and keys appear in the display.
Use the arrow keys and the [OK] key to select displayed items and perform various operations.
☞ USING THE OPERATION PANEL (page 1-9)

(2) [BACK] key

Press this key to return to the previous screen without discarding your settings.

(3) [OK] key

Press this key to enter a selected setting.

(4) Arrow keys

Press these keys to move the selection frame that is used to select setting keys and items in the display.

(5) Mode select keys and indicators

Use these keys to select the display mode.
The indicator of a key lights when the key is selected.

[PRINT] key

When you wish to print a print hold job, press this key to switch to print mode.

[IMAGE SEND] key

Press this key to select network scanner / fax mode to use the scanner function or fax function.

[COPY] key

Press this key to select copy mode. Hold the [COPY] key down to view the machine's total page use count and amount of toner remaining.

(6) PRINT mode indicators

- **READY indicator**
  Print jobs can be received when this indicator is lit.
- **DATA indicator**
  This blinks while print data is being received and lights steadily while printing is taking place.

(7) IMAGE SEND mode indicators

- **LINE indicator**
  This lights up during transmission or reception of a fax or Internet fax. This also lights during transmission of an image in scan mode.
- **DATA indicator**
  This blinks when a received fax or Internet fax cannot be printed because of a problem such as out of paper. This lights up when there is a transmission job that has not been sent.

(8) Numeric keys

These are used to enter the number of copies, fax numbers, and other numerical values. These keys are also used to enter numeric value settings.

(9) [JOB STATUS] key

Press this key to display the job status screen. The job status screen is used to check information on jobs and to cancel jobs.
For details, see the chapters for each of the functions in this manual.

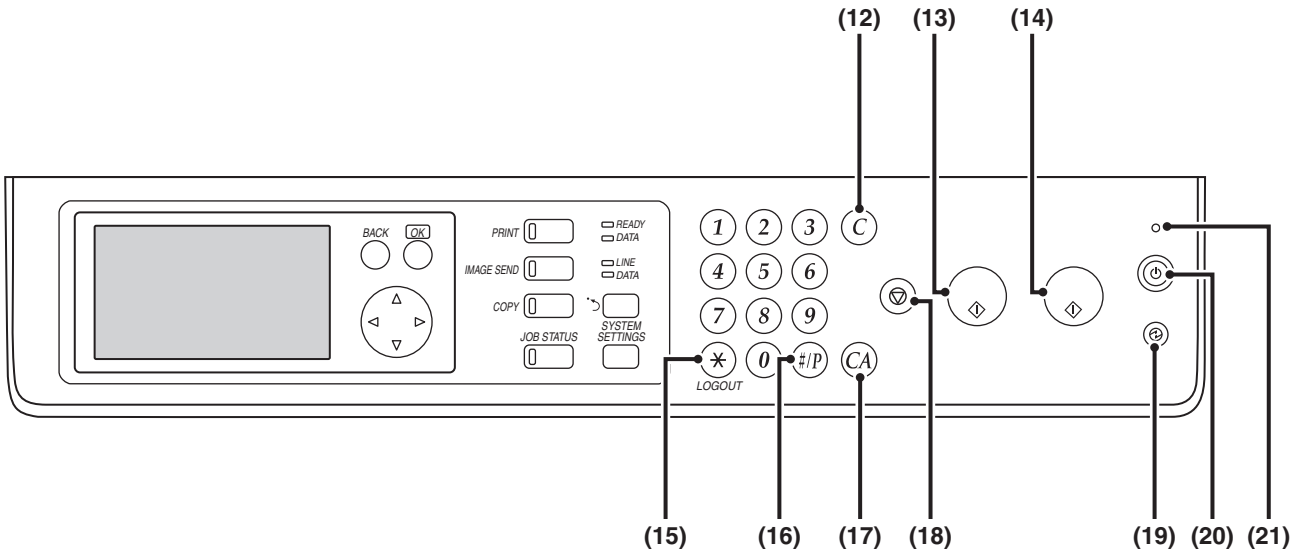
(10) [SYSTEM SETTINGS] key

Press this key to display the system settings menu screen. The system settings are used to configure paper tray settings, and adjust parameters to make the machine easier to use.

(11) Sharp OSA shortcut key

Press this key to display a shortcut key to Sharp OSA mode (when the application communication module is installed). Custom keys also appear in this screen. Shortcuts to frequently used special modes and other settings can be stored in the custom keys.

Contents



(12) [CLEAR] key (C)

Press this key to return the number of copies to "0".

(13) [BLACK & WHITE START] key

Press this key to copy or scan an original in black and white. This key is also used to send a fax in fax mode.

(14) [COLOUR START] key

Press this key to copy or scan an original in colour. This key cannot be used for fax or Internet fax.

(15) [LOGOUT] key (*)

Press this key to log out after you have logged in and used the machine. When using the fax function, this key can also be pressed to send tone signals on a pulse dial line.

☞ USER AUTHENTICATION (page 1-16)

(16) [#/P] key (#/P)

When using the copy function, press this key to use a job program. When using the fax function, this key can be used when dialling.

(17) [CLEAR ALL] key (CA)

Press this key to return to the initial operation state. Use this key when you wish to cancel all settings that have been selected and start operation from the initial state.

(18) [STOP] key (▽)

Press this key to stop a copy job or scanning of an original.

(19) [POWER SAVE] key (⏻) / indicator

Use this key to put the machine into auto power shut-off mode to save energy.

The [POWER SAVE] key (⏻) blinks when the machine is in auto power shut-off mode.

☞ [POWER SAVE] KEY (page 1-15)

(20) [POWER] key (⏻)

Use this key to turn the machine power on and off.

☞ TURNING THE POWER ON AND OFF (page 1-14)

(21) Main power indicator

This lights up when the machine's main power switch is in the "on" position.

☞ TURNING THE POWER ON AND OFF (page 1-14)

The indicators of the operation panel may differ depending on the country and region.

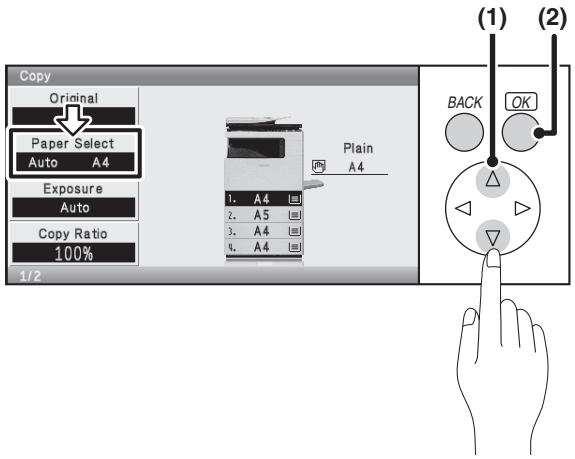
USING THE OPERATION PANEL

This section explains how to use the operation panel.

- To enter text, see "ENTERING TEXT" (page 1-59).
- For information on the screens and procedures for using the system settings, see "Common Operation Methods" (page 6-5) in "6. SYSTEM SETTINGS".

USING THE DISPLAY

Base screen



(1) Move the selection frame with the arrow keys

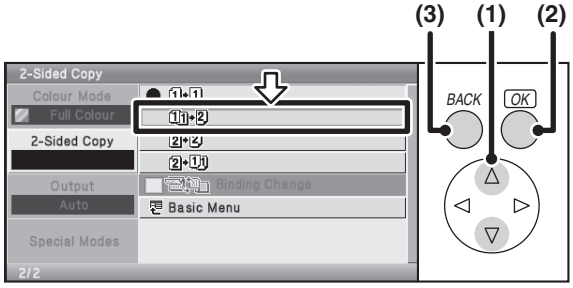
Use the arrow keys to move the selection frame in the display to the desired setting key (such as [Original] or [Paper Select]).



(2) [OK] key

When the selection frame is on the desired setting, press the [OK] key to enter your selection. The setting screen will appear.

Selecting items in lists and returning to the previous screen



(1) When selections appear as a list in a setting screen, select the desired item in the list with the ▽ △ keys.

Items that are currently set are indicated by ●.



(2) Press the [OK] key to enter your selection.

- When the [OK] key is pressed, ● appears next to the selected item.
- For a selected item that has a checkbox, the checkbox changes between ☐ and ☑ each time the [OK] key is pressed. ☑ indicates that the setting is selected.

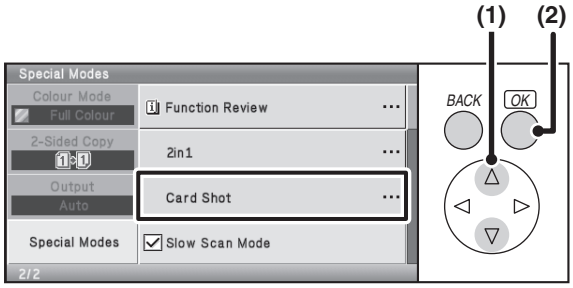


(3) To return to the previous screen, press the [BACK] key.

To return to the base screen, select the [Basic Menu] key.



Checking special mode settings



(1) Select [Special Modes] in the base screen to display a list of the special modes. Use the ▽ △ keys to move the selection frame to the desired special mode.

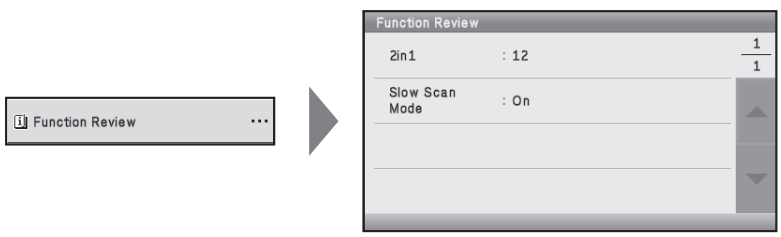
(2) If "…" appears to the right of the selected item, the [OK] key can be pressed to open a detailed setting screen.



- If the item has a checkbox, pressing the [OK] key sets the item to ☑; a detailed setting screen does not open.

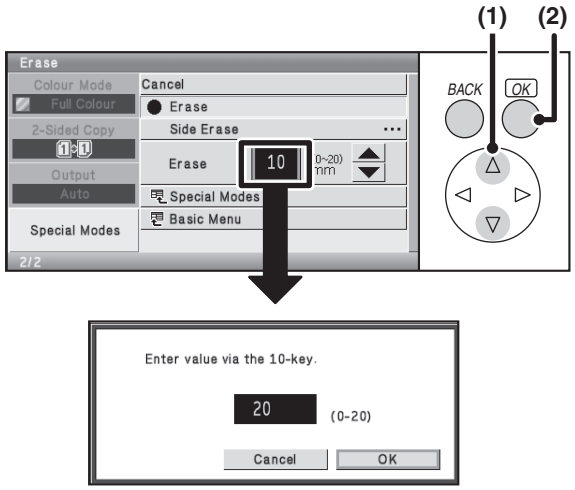


- When special modes are set, the [Function Review] key can be selected at the top of the list. Selecting the [Function Review] key displays a list of the special mode settings.



Contents

Entering numbers in special mode settings



(1) If a setting requires that a number be entered, move the selection frame to ▼ or ▲.

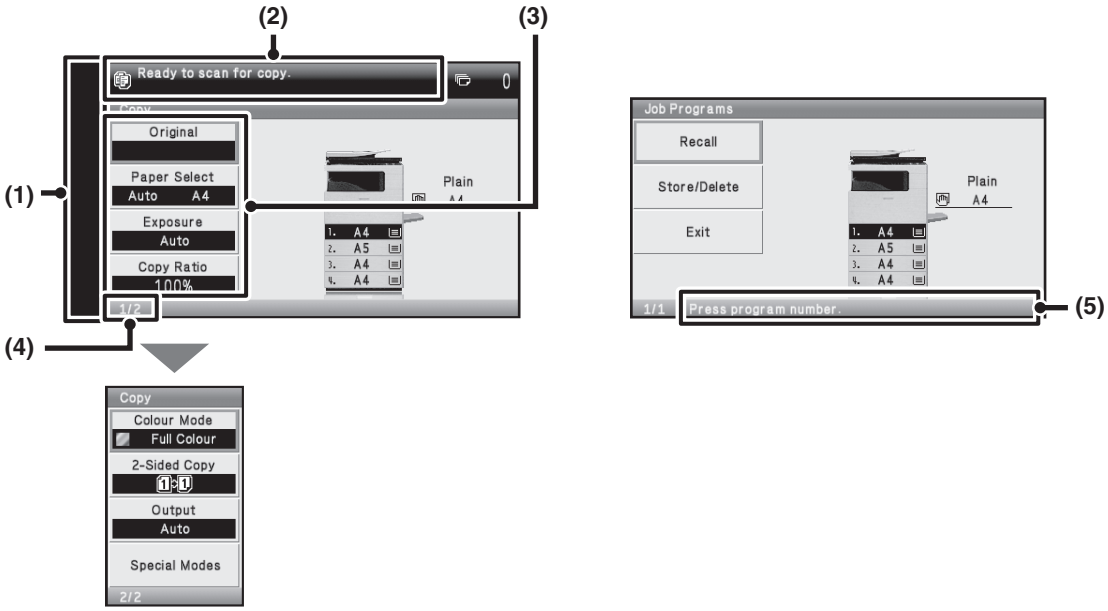


(2) The number increments or decrements each time the [OK] key is pressed. To make the number change quickly, hold down the [OK] key.

You can also select the number display and directly enter a number with the numeric keys. Move the selection frame to the number display and press the [OK] key. A number entry screen will appear. Press the numeric keys to enter a number and select the [OK] key.

Contents

Items that appear in the display



(1) Icon display

	This icon appears when data is being sent or received.
	This icon appears when fax, scan, or Internet fax data is stored in the machine's memory. When data to be transmitted is stored, appears. When received data is stored, appears. When both data to be transmitted and received data are stored, appears.
TEST	This icon appears when a service technician has activated simulation mode.
	This icon appears when a USB memory or other USB device is connected to the machine.
	This icon appears when the data security kit is being used.
	The icon appears when the machine is communicating with an external application.

(2) This shows messages.

(3) Settings appear here.

If you move the selection frame to the bottom setting and then press the ▽ key, the next screen appears.

(4) This shows the current page / total pages.

(5) This shows an operation hint.

The display illustrations shown in this manual are only images, and may differ from the actual screens.

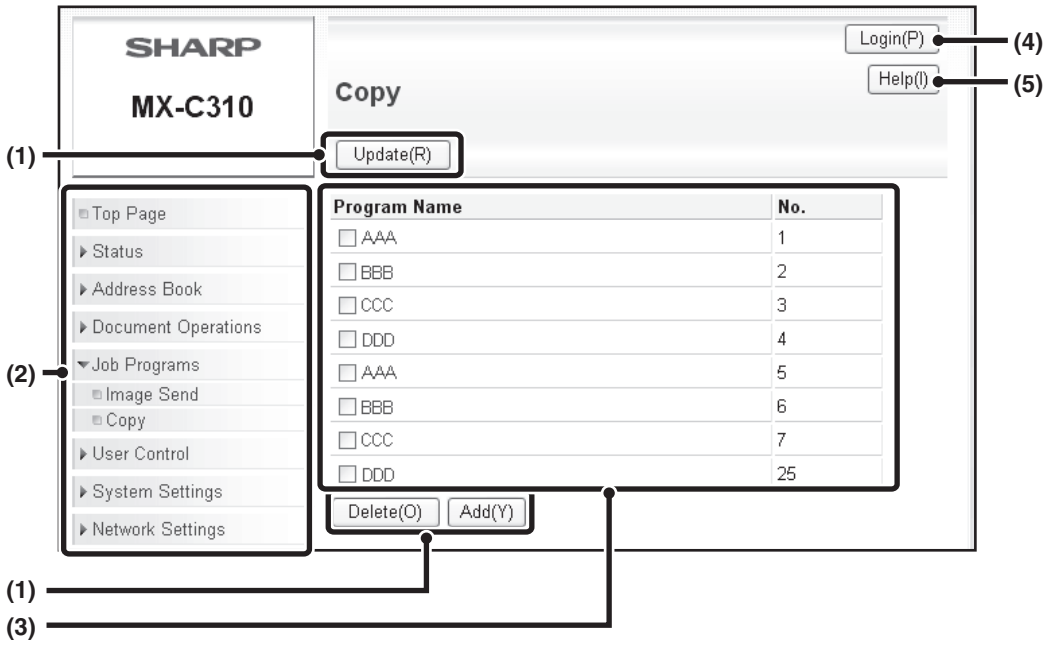
System Settings (Administrator): Keys Touch Sound

This is used to adjust the volume of the beep that sounds when keys are touched. The key touch sound can also be turned off.

Contents

USING THE WEB PAGE

The procedures for using the Web page are explained below.



(1) Common buttons

The [Submit] button used to store settings and the [Update] button used to update settings appear here. After changing a setting, be sure to click the [Submit] button.

(2) Web page menu

The items that can be set in the Web page appear here. Click an item to display the settings of that item.

(3) Settings appear here.

The settings of an item selected from the Web page menu appear here.

(4) [Logout] button

When user authentication is enabled, click this button to log out from the Web server. When you are not logged in, this button is the [Login] button.

(5) [Help] button

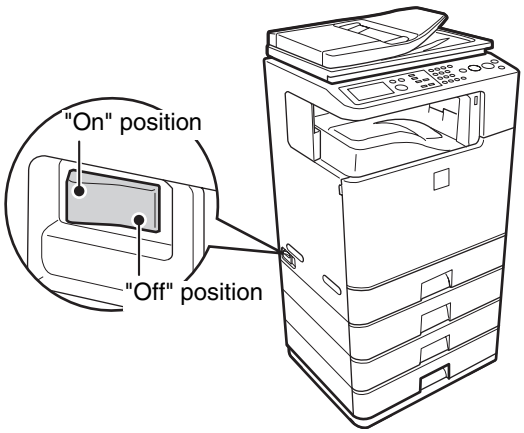
This shows Help for each item.

TURNING THE POWER ON AND OFF

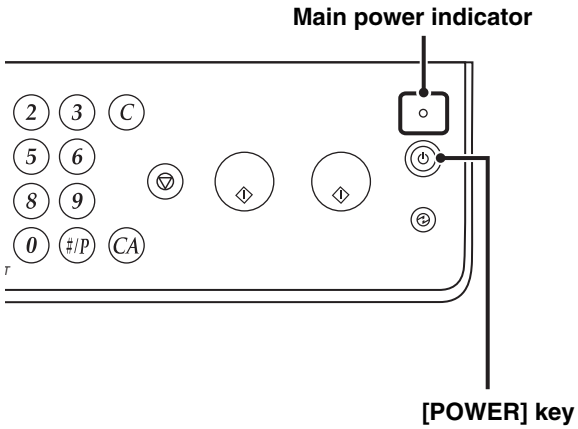
The machine has two power switches. One is the main power switch on the left side of the machine, and the other is the [POWER] key (⏻) on the upper right side of the operation panel.

Main power switch

When the main power switch is switched on, the main power indicator on the operation panel lights up.



[POWER] key



Turning on the power

(1) Switch the main power switch to the "on" position.

(2) Press the [POWER] key (⏻) to turn on the power.

Turning off the power

(1) Press the [POWER] key (⏻) to turn off the power.

(2) Switch the main power switch to the "off" position.

- When turning off the power, be sure to press the [POWER] key (⏻) on the operation panel, then wait 20 seconds and switch off the main power switch. In the event that the main power is suddenly interrupted due to a power failure or other reason, turn the machine power back on and then turn it off in the correct order.
  If the machine is left for a long time with the main power having been turned off prior to the [POWER] key (⏻), abnormal noises, degraded image quality, and other problems may result.
- Before switching off the main power switch, make sure that the display is off and the DATA indicator for printing and the DATA and LINE indicators for image send are not lit or blinking on the operation panel.
  Switching off the main power switch or removing the power cord from the outlet while any of the indicators are lit or blinking may cause failure, such as damage to the hard drive or loss of data.
- Switch off both the [POWER] key (⏻) and the main power switch and unplug the power cord if you suspect a machine failure, if there is a bad thunderstorm nearby, or when you are moving the machine.

When using the fax or Internet fax function, always keep the main power switch in the "on" position.

Restarting the machine

In order for some settings to take effect, the machine must be restarted.
If a message in the display prompts you to restart the machine, press the [POWER] key (⏻) to turn off the power and then press the key again to turn the power back on.

In some states of the machine, pressing the [POWER] key (⏻) to restart will not make the settings take effect. In this case, use the main power switch to switch the power off and then on.

Contents

ENERGY SAVE FUNCTIONS

This product has the following two energy save functions that conform to the Energy Star guidelines to help conserve natural resources and reduce environmental pollution.

Preheat Mode (Low power mode)

Preheat mode automatically lowers the temperature of the fusing unit and thereby reduces power consumption if the machine remains in the standby state for the interval of time set in "Preheat Mode Setting" in the system settings (administrator).
This keeps the fusing unit at a lower temperature and reduces power consumption while the machine is on standby. The machine automatically wakes up and returns to normal operation when a print job is received, a key is pressed on the operation panel, or an original is placed.

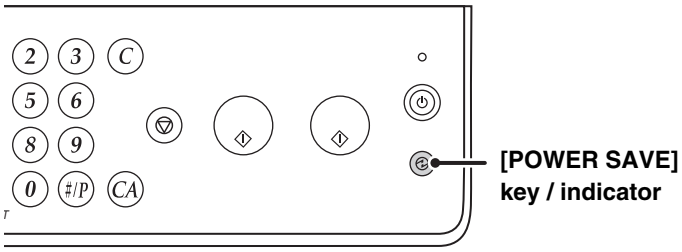
Auto power shut-off mode (Sleep mode)

Auto power shut-off mode automatically shuts off power to the display and the fusing unit if the machine remains in the standby state for the interval of time set in "Auto Power Shut-Off Timer" in the system settings (administrator). This mode provides the lowest level of power consumption. Considerably more power is saved than in preheat mode, however, the wakeup time is longer. This mode can be disabled in the system settings (administrator).
The machine automatically wakes up and resumes normal operation when a print job is received or when the blinking [POWER SAVE] key ( ) is pressed.

[POWER SAVE] KEY

Press the [POWER SAVE] key ( ) to put the machine in auto power shut-off mode or wake it up from auto power shut-off mode. The [POWER SAVE] key ( ) has an indicator that indicates whether or not the machine is in auto power shut-off mode.

When the [POWER SAVE] key ( ) indicator is off in the standby state	The machine is ready to be used. If the [POWER SAVE] key ( ) is pressed when the indicator is off, the indicator will blink and the machine will enter auto power shut-off mode after a brief interval.
When the [POWER SAVE] key ( ) indicator is blinking	The machine is in auto power shut-off mode. If the [POWER SAVE] key ( ) is pressed when the indicator is blinking, the indicator will turn off and the machine will return to the ready state after a brief interval.



Contents

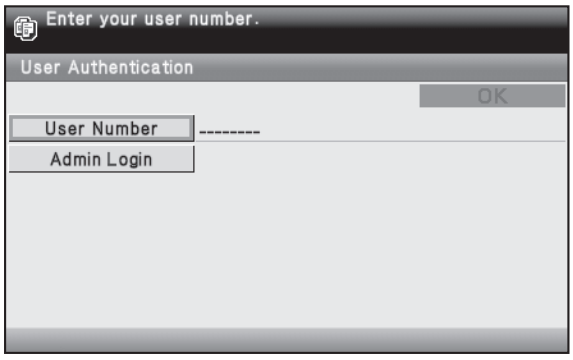
USER AUTHENTICATION

User authentication restricts the use of the machine to users that have been registered. The functions that each user is allowed to use can be specified, allowing the machine to be customized to meet the needs of your workplace.
When the administrator of the machine has enabled user authentication, each user must log in to use the machine.
There are different types of user authentication, and each type has a different login method.
For more information, see the explanations of the login methods.

☞ AUTHENTICATION BY USER NUMBER (see below)
☞ AUTHENTICATION BY LOGIN NAME / PASSWORD (page 1-18)

AUTHENTICATION BY USER NUMBER

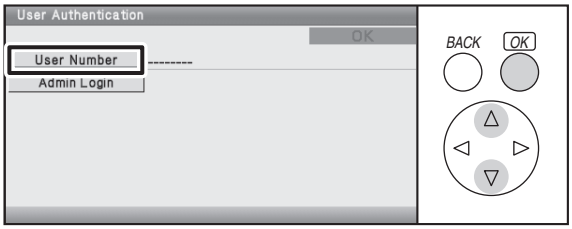
The following procedure is used to log in using a user number received from the administrator of the machine.



When controlled by user number

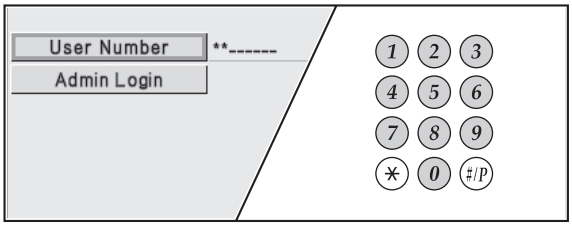
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select [User Number] key.

2

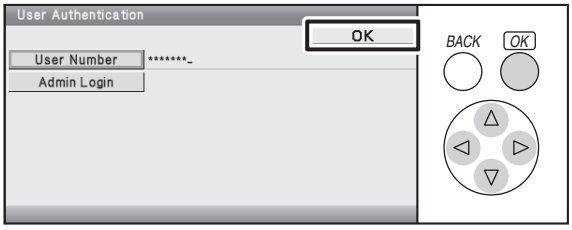


Enter your user number (5 to 8 digits) with the numeric keys.

Each entered digit will be displayed as "*".

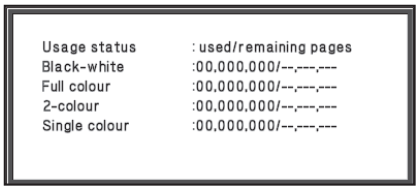
Contents

3



Select the [OK] key.

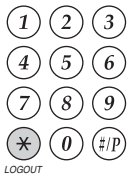
After the entered user number is authenticated, the user count screen will appear briefly.



When page limits have been set in "Pages Limit Group List" in the Web page, the number of pages remaining will appear. (The remaining number of pages that the user can use in each mode (copy, scan, etc.) appears.) The amount of time that this screen appears can be changed using "Message Time Setting" in the system settings (administrator).

When the user number is an 8-digit number, this step is not necessary. (Login takes place automatically after the user number is entered.)

4



When you have finished using the machine and are ready to log out, press the [LOGOUT] key (*).

- However, note that the [LOGOUT] key (*) cannot be used to log out when a fax number is being entered in fax mode, as the key is used for fax number entry.
- If a preset duration of time elapses after the machine is last used, the Auto Clear function will activate. When Auto Clear activates, logout takes place automatically. However, when PC Scan mode is used, logout does not take place when the [LOGOUT] key (*) is pressed and Auto Clear does not operate. Change to a different mode on the machine and then log out.

If an incorrect user number is entered 3 times in a row...

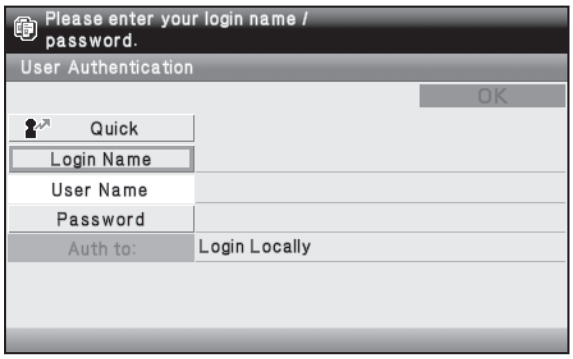
If "A Warning when Login Fails" is enabled in the Web page, the machine will lock for 5 minutes if an incorrect user number is entered 3 times in a row.
Verify the user number that you should use with the administrator of the machine.

The administrator can clear the locked state.
This is done from [User Control] and then [Default Settings] in the Web page menu.

Contents

AUTHENTICATION BY LOGIN NAME / PASSWORD

The following procedure is used to log in using a login name and password received from the administrator of the machine or the administrator of the LDAP server.

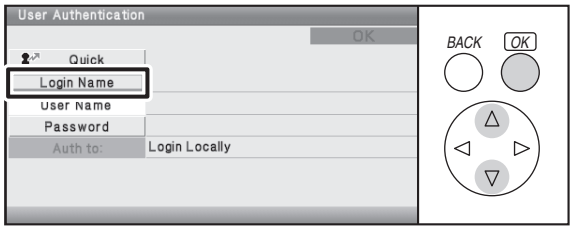


When controlled by login name and password

(Different items will appear in the screen when LDAP authentication is used.)

Keys in the display can be selected with the arrow keys and the [OK] key.

1



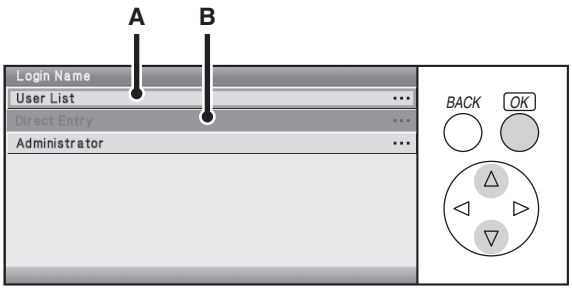
Select the [Login Name] key or the [Quick] key.

If the [Login Name] key is selected, a screen for selecting the user name appears. Go to the next step.

If the [Quick] key is selected, an area for entering a "Registration No." appears [---].

Use the numeric keys to enter your registration number that has been stored in "User List" in the Web page. After entering the registration number, go to step 3.

2



Select the user name.

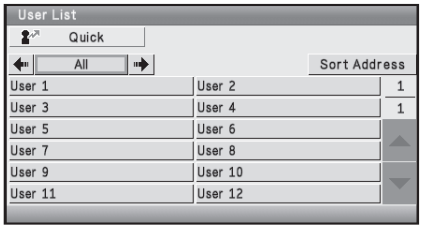
(A) [Direct Entry] key

Users who are not registered users and are only using LDAP authentication use this key.

A text entry screen will appear. Enter your login name.

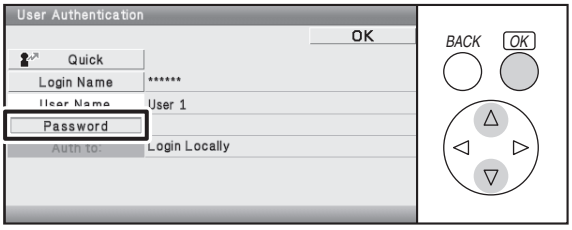
(B) [User List] key

Select your user name that has been stored in "User List" in the Web page.



LDAP authentication can be used when the administrator of the server provides LDAP service on the LAN (local area network).

Contents



Select the [Password] key.

A text entry screen for entering the password will appear. Enter your password that is stored in "User List" in the Web page.

If you are logging in to a LDAP server, enter the password that is stored with your LDAP server login name.
Each entered character will be displayed as "✳". When you have finished entering the password, select the [OK] key.
When authentication is by LDAP server and you have different passwords stored in "User List" in the Web page and in the LDAP server, use the password stored in the LDAP server.

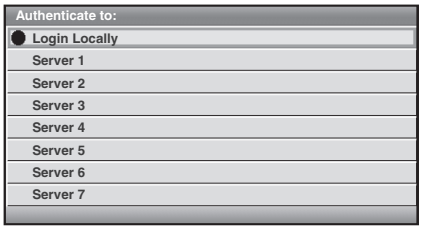
3

- When a LDAP server has been stored, [Auth to:] can be changed.

- **If you selected a login user name from the user list…**
  The LDAP server was stored when your user information was stored, and thus the LDAP server will appear as the authentication server when you select your login name. Go to step 4.
- **When logging in using the [Direct Entry] key...**
  Select the [Auth to:] key.

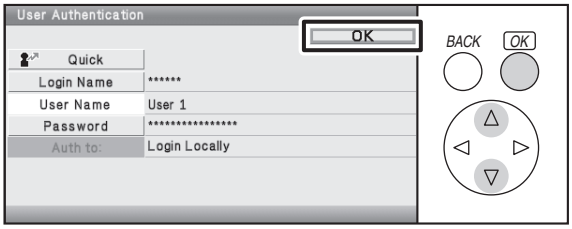


Select the LDAP server.



Contents

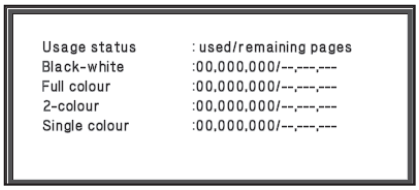
4



(Different items will appear in the screen when LDAP authentication is used.)

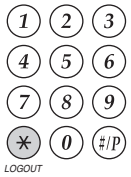
Select the [OK] key.

After the entered login name and password are authenticated, the user count screen will appear briefly.



When page limits have been set in "Pages Limit Group List" in the Web page, the number of pages remaining will appear. (The remaining number of pages that the user can use in each mode (copy, scan, etc.) appears.) The amount of time that this screen appears can be changed using "Message Time Setting" (Web page only) in the system settings (administrator).

5



When you have finished using the machine and are ready to log out, press the [LOGOUT] key (*).

- However, note that the [LOGOUT] key (*) cannot be used to log out when a fax number is being entered in fax mode, as the key is used for fax number entry.
- If a preset duration of time elapses after the machine is last used, the Auto Clear function will activate. When Auto Clear activates, logout takes place automatically. However, when PC Scan mode is used, logout does not take place when the [LOGOUT] key (*) is pressed and Auto Clear does not operate. Change to a different mode on the machine and then log out.

If an incorrect login name or password is entered 3 times in a row...

If "A Warning when Login Fails" is enabled in the Web page, the machine will lock for 5 minutes if an incorrect login name or password is entered 3 times in a row.
Verify the login name and password that you should use with the administrator of the machine.

- The administrator can clear the locked state.
  This is done from [User Control] and then [Default Settings] in the Web page menu.
- When LDAP authentication is used, the [E-mail Address] key may appear, depending on the authentication method. If the [E-mail Address] key appears in step 3, select the key.
  A text entry screen will appear. Enter your e-mail address.
- **User List (page 1-22)**
  This is used to store names of users of the machine. Detailed information such as the login name, user number, and password are also stored. Ask the administrator of the machine for the information that you need to use the machine.
  Registration is performed in [User List] in [User Control] in the Web page menu.

Contents

ACCESSING THE WEB PAGE

The login method for accessing the Web server in the machine varies depending on whether or not user authentication is enabled.
For information on accessing the Web server in the machine, see "ACCESSING THE WEB SERVER IN THE MACHINE" in the Quick Start Guide.

When user authentication is not enabled

If you click a setting that requires administrator authority after accessing the Web page, a login screen will appear. Enter your password.

When user authentication is enabled

Use the procedure below to log in. Note that when auto login user is enabled, the authentication screen will not appear.

When the login method is login name / password (/ e-mail address)

To access the Web page, enter a login name and password that have administrator authority in the login screen that appears. If the login method is set to login name / password / e-mail address, a text box will appear for entry of your [E-mail Address]. If this box appears, enter your e-mail address.

When the authentication method is user number

To access the Web page, enter a user number that has administrator authority in the login screen that appears.
In user number mode, you can also login from [Admin Login] in the login screen.



- User authentication is initially disabled (factory default setting).
- To prevent passwords from being leaked onto the network during login, it is recommended that the SSL function be enabled in the Web browser.
- **To log out…**
  Click the [Logout] key at the upper right of the Web page, or close the Web browser.

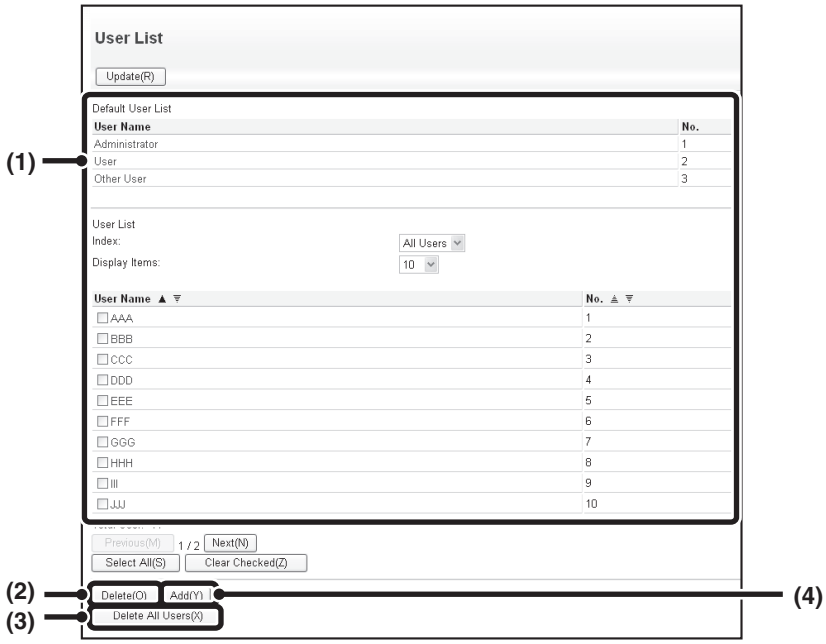
Contents

USER CONTROL

User Control is used to configure settings for user authentication in the Web page. Select the [User Control] key in the Web page menu to configure the settings.

User List

This is used to store, edit, and delete users when user authentication is enabled.
When the [User List] key is selected, the following screen appears.



(1) User List

This shows the factory-stored users and the currently stored users.

(2) [Delete] key

Use this to delete a registered user.

(3) [Delete All Users] key

Use this to delete all stored users. (Excluding factory stored users.) This operation can only be performed by an administrator.

(4) [Add] key

Use this to add a new user.

Storing a user

Select the [Add] key in the above screen to open a registration screen. Up to 1000 users can be stored.
For more information, see "Settings" (page 1-23).

Editing/deleting a user

To open an edit screen for a user, select the user from the list in the above screen. To open a delete screen for a user, select the checkbox next to the user (☑) and then select [Delete].
For more information, see "Settings" (page 1-23).

- When auto login is enabled, "Delete All Users" cannot be used.
- The factory-stored users cannot be deleted.

Factory-stored users

The following users are stored in the machine at the factory.

- Administrator: Factory-stored account for the administrator of the machine.
- User: This is used when network authentication is used and a login name not stored in the machine is directly entered. (This cannot be selected in the login user screen.)
- Other User: This is used when a print job is executed using invalid user information. (This cannot be selected in the login user screen.)

For settings related to each of the users, see the following table.

User Name	Administrator	User	Other User
Login Name	admin	users	Other
Password	(See the Maintenance & Safety Guide.)* 1	users*1	–
My Folder	Main Folder		
Authentication Settings	Login Locally		–
Pages Limit Group	Unlimited*1		
Authority Group*2	Admin	User*1	Guest*1
Favourite Operation Group	Following the System Settings*1		

*1 Items that can be changed.

*2 For detailed information of each of the settings, see "List of settings and factory default settings of template groups" (page 1-29).

Settings

Item	Description
User Name	Store the name of the user (max. 32 characters). This user name is used as the key name in the login screen, the document filing user name, and the sender name. (The user name must be unique.)
Apply User Name to Log-in Name*1	Select this key to enter the entered user name in the login name.
Initial	This determines where the user name will appear in the user list. Up to 10 characters can be entered.
Index	Select the desired custom index. The custom index names are the same as those in the address book.
User Number*2	Enter a user number (5 to 8 digits).
Login Name*1	Enter the login name used when authentication by login name/password is enabled (maximum of 255 characters). (The login name must be unique.)
Password*1, 3	Enter the password used when authentication by login name/password is enabled (1 to 32 characters). (The password can be omitted.)
E-mail Address	Enter the e-mail address used in the sender list and for LDAP authentication (maximum of 64 characters).
My Folder	A folder ("My Folder") can be specified as the folder used by the user for document filing. A previously created folder can be selected or you can create and select a new folder.
Authentication Settings*1	Select [Login Locally] or [Network Authentication] (when LDAP is enabled) for "Authenticate to:".
Authentication Server	When [Network Authentication] is selected, select the server to be used for user authentication from the list of LDAP servers stored in the Web pages.

Contents

Item	Description
Pages Limit Group	Specify page limits for the user by selecting one of the stored page limit groups. The factory default setting is [Unlimited]. For more information, see "Page Limit Group List" (page 1-27).
Authority Group	Specify the authority of the user by selecting one of the stored authority groups. The factory default setting is [User]. For more information, see "Authority Group List" (page 1-28).
Favourite Operation Group	The favourite operation group that will be applied at login appears. The factory default setting is [Following the System Settings]. The setting can be changed in the [User Control] menu in the Web pages.

*1 Does not appear when "User Number" is selected for the authentication method.
*2 Only appears when "User Number" is selected for the authentication method.
*3 Not required when network authentication is used, as the password stored in the LDAP server is used.

Contents

Default Setting

These settings enable or disable user authentication and specify the authentication method.
When user authentication is enabled, each user of the machine is registered. When a user logs in, settings for that user are applied. This function allows greater control of security and cost management.
In addition, even if the user information is not stored in the machine, it is possible to log in by directly entering user information stored on a LDAP server. In this case, the login user will be the factory-stored "User". For more information, see "Factory-stored users" (page 1-23).

- For the procedure for storing users, see "User List" (page 1-22).
- For more information on login procedures when user authentication is enabled, see "USER AUTHENTICATION" (page 1-16).

User Authentication

When [User Authentication] is enabled, the login screen appears before an operation is begun in any mode except the job status screen*. You must log in as one of the stored users. (After logging in, you can move freely through the modes.)

* Except when a print hold (retention) file is used or a broadcast transmission is reattempted in the job status screen.

Authentication Method Setting

This selects the authentication method. When using user authentication, be sure to configure this setting first. The items configured for users stored after the user authentication method is set vary depending on the selected authentication method.

Authenticate a User by Login Name and Password
Standard authentication method using a login name and password.

Authenticate a User by Login Name, Password and E-mail Address
In addition to a login name and password, this authentication method also requires the entry of an e-mail address.

Authenticate a User by User Number Only
This can be used as a simple authentication method when network authentication is not used.

- The login screen will vary depending on the authentication method that is selected. For more information, see "USER AUTHENTICATION" (page 1-16).
- When "Authenticate a User by User Number Only" is selected for the authentication method, network authentication cannot be used.

Device Account Mode Setting

A specific user can be stored as an auto login user. When this setting is enabled, login can be performed automatically.
This function eliminates the bother of logging in but still allows the settings of the selected user (network settings, favourite operations, etc.) to be applied.
You can also allow users other than the auto login user to temporarily log in and work using their own authority and settings. To allow other users to log in temporarily when [Device Account Mode] is enabled, select [Allow Login by Different User].
As an example, this enables uses such as "authentication for colour copying only".

- If auto login fails for some reason when auto login is enabled, or the login user does not have administrator rights, all system settings or the system settings (administrator) will lock. In this event, the administrator should select the [Admin Password] key in the system settings screen and log in again.
- To log in as a user other than the auto login user when [Allow Login by Different User] is enabled, press the [LOGOUT] key ( ) to cancel the auto user login state. The user authentication screen will appear to let you log in. After using the machine, press the [LOGOUT] key ( ) to log out.

Actions when the Limit of Pages for Output Jobs

This setting determines whether or not a job will be completed if the page limit is reached while the job is in progress.
The following selections are available.

- Job is Stopped when the Limit of Pages is Reached
- Job is Completed even when the Limit of Pages is Reached

Contents

The Number of User Name Displayed Setting on Operation Panel

The number of users that are displayed in the user selection screen can be selected (6, 12, or 18 users).

This setting also applies to the user selection screen of print hold and the sender selection screen.

A Warning when Login Fails

This setting is used to display a warning and prohibit login for five minutes if login fails three times in a row. This prevents an unauthorised person from attempting to guess a password. (The number of failed login attempts is retained even if the power is turned off.)

Locking of the operation panel for 5 minutes can be cancelled.

Disabling of Printing by Invalid User

Printing by users whose information is not stored in the machine, such as printing without entering valid user information in the printer driver or printing of a file on an FTP server from the Web pages, can be prohibited.

When a print job is executed by a user that is not stored in the machine, the factory-stored "Other User" is used as the login user. For more information, see "Factory-stored users" (page 1-23).

Automatically print stored jobs after login

When retention is enabled in the printer driver and print data has been spooled to the machine, you can have the spooled print data automatically print out when the user who enabled retention logs in.

Default Network Authentication Server Setting

Use this to set the default network authentication server. When a user logs in from the Web page or sends a print job to the machine using user information that is not stored on the machine, the authentication server is not known. This setting is used to specify one of the LDAP servers stored on the machine as the authentication server.

When login is performed by network authentication using user information that is not stored in the machine, the login user will be the factory-stored "User". For more information, see "Factory-stored users" (page 1-23).

Display Usage Status after Login

When user authentication is enabled, this setting specifies whether or not the page counts of a user appear when the user logs in.

User Information Print

The following lists can be printed.

- User List
- List of Number of Pages Used
- Page Limit Group List*
- Authority Group List
- Favourite Operation Group List*
- All User Information Print

Select the key of the desired list to begin printing.

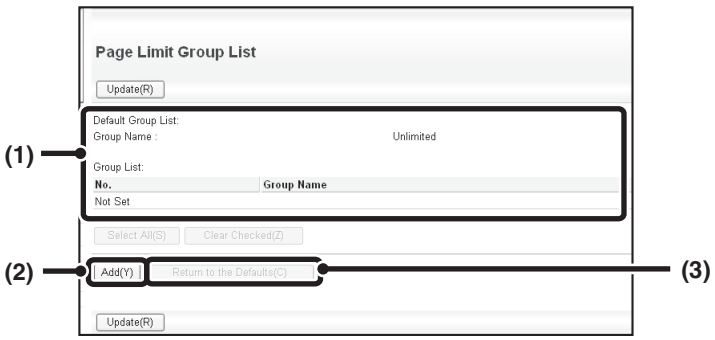
* Cannot be printed when no groups are stored.

Release the Lock on Machine Operation Panel

If the operation panel of the machine is locked due to login failure, release the lock by logging in as an administrator.

Page Limit Group List

This is used to store groups of Account Limit Settings. The page limits for each user are specified by selecting one of these stored groups when the user is stored.
When the [Page Limit Group List] key is selected, the following screen appears.



(1) List display

This shows the currently stored groups. A group name can be selected to open an edit/delete screen for that group.

(2) [Add] key

Use this to add a new group.

(3) [Return to the Defaults] key

Use this to return the group settings to the factory default settings and delete the groups from the list.

Storing a page limit group

Select the [Add] key in the above screen to open a registration screen. Up to 20 groups can be stored.
For more information, see "Settings".

Editing a page limit group

To open an edit screen for a group, select the group name from the list in the above screen. To delete a group from the list, select the checkbox next to the group (☑) and then select [Return to the Defaults]. A confirmation prompt will appear. Select [OK] to delete the group.
For more information, see "Settings".

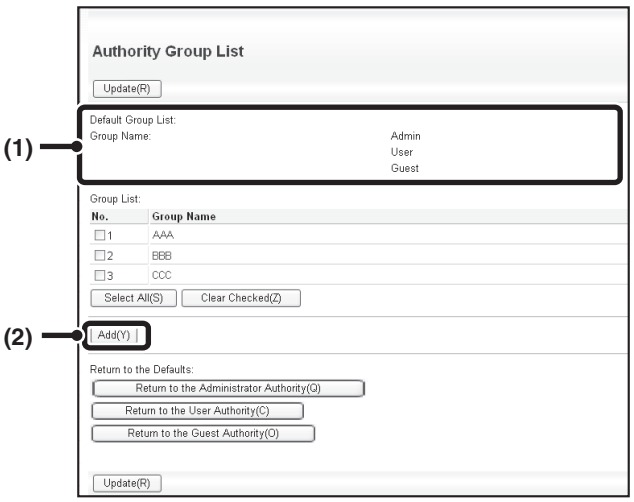
Settings

Item	Description
Group Name	Store the name of the group (max. 32 characters).
Select the Group Name to be the Registration Model	Select one of the previously stored groups for use as a template for the new group. When selected, the group's settings are applied.
Function names	The names of the functions that can be configured are displayed. Set a limit for each function.
Page Limit	When [Prohibited] is selected for a mode, input and output from the mode are prohibited. When [Unlimited] is selected for a mode, there is no limit to the number of pages that can be input/output in that mode. When [Limited] is selected, enter a limit (1 to 99999999 pages).

Contents

Authority Group List

Use this to store groups of user authority settings. The authority of each user is specified by selecting one of these stored groups when the user is stored.
When the [Authority Group List] key is selected, the following screen appears.



(1) List display

This shows the currently stored groups. A group name can be selected to open an edit/delete screen for that group.

(2) [Add] key

Use this to add a new group.

Storing an authority group

Select the [Add] key in the above screen to open a registration screen. Up to 20 groups can be stored.
For information on the settings, see "List of settings and factory default settings of template groups" (page 1-29).

Editing an authority group

A group can be selected from the list in the above screen to open an edit/delete screen for the group. For information on the settings, see "List of settings and factory default settings of template groups" (page 1-29).
To return a group to the factory default state, select the checkbox next to the group (☑), and then select [Return to the Administrator Authority], or [Return to the User Authority], or [Return to the Guest Authority]. The selected authority will be given to the users in that group and the group will be deleted from the list.

List of settings and factory default settings of template groups

Item	Description		
Group Name	Store the name of the group (max. 32 characters).		
Select the Group Name to be the Registration Model	Select one of the previously stored groups for use as a template for the new group. When selected, the group's settings are applied. The factory default groups and their settings are shown below.		
	Admin	**User**	**Guest**
Copy			
Colour Mode Approval Setting	All allowed	All allowed	Only Black & White Allowed
Special Modes Usage	Allowed	Allowed	Prohibited
Printer			
Colour Mode Approval Setting	Allowed	Allowed	Only Black & White Allowed
USB Memory Direct Print	Allowed	Allowed	Prohibited
FTP Pull Print	Allowed	Allowed	Prohibited
Network Folder Pull Print	Allowed	Allowed	Prohibited
Image Send			
Approval Settings for Each Mode			
• E-mail • FTP • Desktop • Network Folder • USB Memory • PC Scan • Internet Fax Send • PC-I-Fax Send • Fax Send • PC-Fax Send	All allowed	All allowed	All allowed
Colour Scan	Allowed	Allowed	Prohibited
Special Modes Usage	Allowed	Allowed	Prohibited
Approval Setting for Addressing			
• Approval Setting for Direct Entry • Approval Setting to Use a Local Address Book • Approval Settings to Use a Global Address Book	All allowed	All allowed	All allowed
Print hold			
Print Hold Image Check	Allowed	Allowed	Prohibited
Sharp OSA			
Approval Settings to Use a Sharp OSA	Allowed	Allowed	Allowed
Common Functions			
Approval Settings for 2-Sided Print	[1-Sided/2-Sided Approved]	[1-Sided/2-Sided Approved]	[1-Sided/2-Sided Approved]
Output Approval Settings	All allowed	All allowed	All prohibited

Contents

<table>
<tr><th>Item</th><th colspan="3">Description</th></tr>
<tr><td colspan="4">MFP Settings</td></tr>
<tr><td colspan="4">System Settings Operational Authority</td></tr>
<tr><td>System Settings*1</td><td>Allowed*2</td><td>Only user authority settings are allowed</td><td>All settings prohibited</td></tr>
<tr><td colspan="4">Web Settings Operational Authority</td></tr>
<tr><td>Display of Device/Network Status</td><td rowspan="12">Allowed</td><td>Allowed</td><td rowspan="12">Prohibited</td></tr>
<tr><td>Power Reset</td><td>Prohibited</td></tr>
<tr><td>Machine Identification</td><td>Prohibited</td></tr>
<tr><td>Network Settings</td><td>Prohibited</td></tr>
<tr><td>Application Settings (Excluding Registration of Pre-set Text/Forward Table)</td><td>Prohibited</td></tr>
<tr><td>Registration of Pre-set Text/Forward Table</td><td>Allowed</td></tr>
<tr><td>E-mail Alert and Status</td><td>Prohibited</td></tr>
<tr><td>Job Log Setting</td><td>Prohibited</td></tr>
<tr><td>Port Control/ Filter Settings</td><td>Prohibited</td></tr>
<tr><td>Custom Link Setting</td><td>Prohibited</td></tr>
<tr><td>Operation Manual Download</td><td>Allowed</td></tr>
</table>

*1 For information on each setting, see the system settings (general/administrator) lists.
*2 All allowed except "Change Administrator Password".

Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.

Contents

Favourite Operation Group List

This is used to store favourite operation groups.

Favourite Operation Group Registration

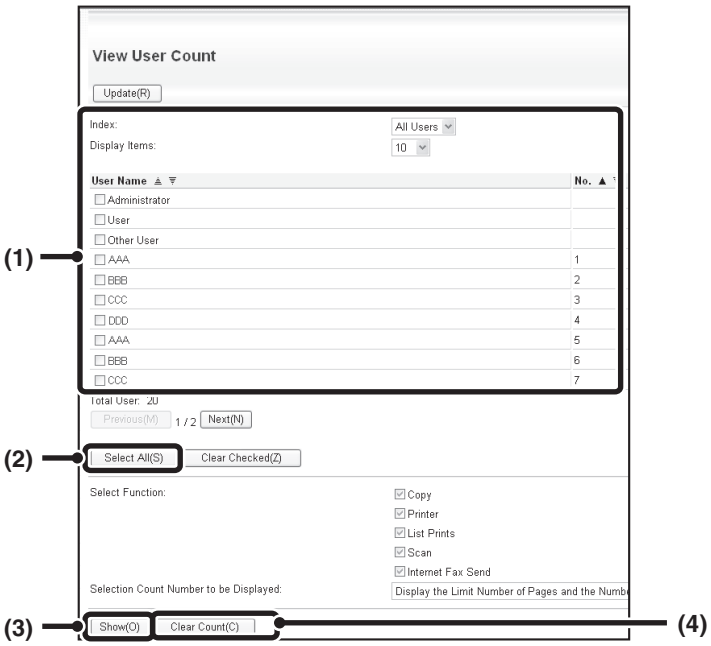
Sets of preferred settings can be as configured and registered groups. For example, a user who speaks a different language would normally have to change the display language each time he or she uses the machine; however, by storing the language in a favourite operation group, the language is automatically selected when the user logs in.

Settings

Item	Description
Group Name	Store the name of the group (max. 32 characters).
Select the Group Name to be the Registration Model	Select one of the previously stored groups for use as a template for the new group. When selected, the group's settings are applied.
Copy	
Initial Status Settings	Select settings for Colour Mode, Paper Tray, Exposure Type, Copy Ratio, Duplex, and Output.
Image Send	
Initial Status Settings	Select settings for Resolution, Exposure, Colour Mode, File Format, and Original Image Type. Store the default fax sender name and number.
System Settings	
Original Size Detector Setting	Select whether AB sizes or inch sizes are detected, or disable detection on the document glass.
Display Language Setting	Select the display language.
Key Operation Setting	Set the key input time and Auto Key Repeat setting.
Keys Touch Sound	Set the sound made when keys are selected.
Keyboard Select	Set the language that appears on the keyboard.
MFP Display Pattern Setting	Select the colour pattern used in the display.
Automatically print stored jobs after login	When retention is enabled in the printer driver and print data has been spooled to the machine, you can have the spooled print data automatically print out when the user who enabled retention logs in.
Preview Setting	
Default Preview Display	Image Send: Set the zoom ratio of the preview that can be displayed when an image is received and in the memory box.
Customize Key Setting	
Customize Key Setting	Set customized keys for each mode.

View User Count

This displays the total number of pages printed by each user.
When the [View User Count] key is selected, the following screen appears.



(1) User List

This shows the factory-stored users and the currently stored users. To select a user, select the user name.

(2) [Select All] key

This selects all users.

(3) [Show] key

This shows the counts of the selected user.

(4) [Clear Count] key

Use this to reset the counts of the selected user.

Showing user count

Select a user in the above screen and select the [Show] key. The counts of that user will appear.

Item	Settings
Next	This shows the next user (in the order of the registration numbers).
Previous	This shows the previous user (in the order of the registration numbers).
Show Counts	The counts and the number of pages remaining of the selected user are shown by function.
Page Limit	The page limit set for the user appears in parentheses below the count.

Counts of devices that are not installed do not appear.

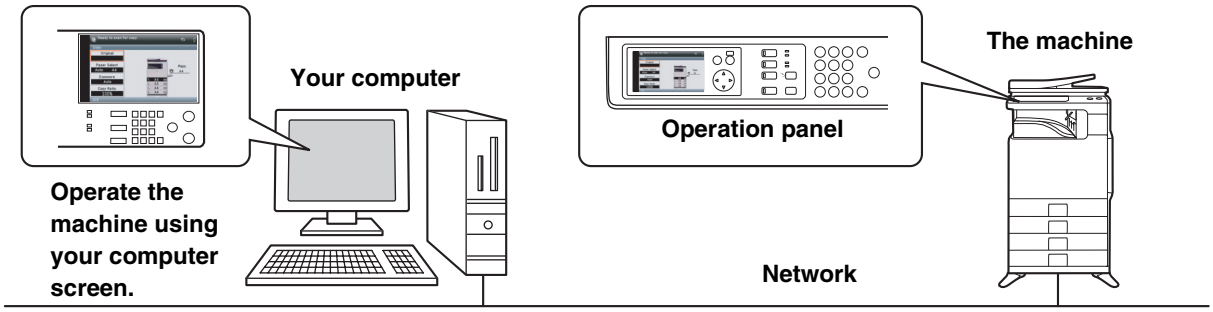
Resetting user counts

To clear the count of a user, select the user from the list and then select [Clear Count]. A confirmation prompt will appear. Select [OK] to clear the count of that user.

Contents

REMOTE OPERATION OF THE MACHINE

The remote operation function allows you to operate the machine from your computer.
When this function is added, the same screen as the operation panel screen appears on your computer. This allows you to operate the machine from your computer in the same way as if you were standing in front of the machine.



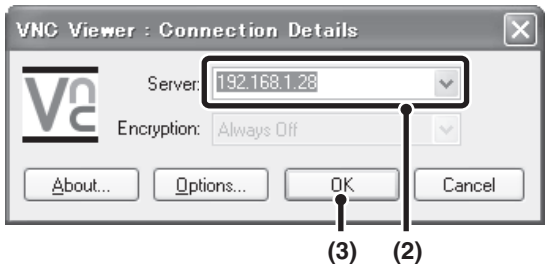
The remote operation function can only be used on one computer at a time.

How to use the remote operation function

Before using this function, set "Operational Authority" to "Allowed" in "Remote Software Operation" of "Remote Operation Settings" (Web page only) in the system settings (administrator).
☞ 6. SYSTEM SETTINGS "Remote Operation Settings" (page 6-70)
To use the remote operation function, the machine must be connected to a network and a VNC application must be installed on your computer (recommended VNC software: RealVNC).
The procedure for using this function is as follows:

Example: RealVNC

1



Connect from the computer to the machine.

(1) Start the VNC viewer

(2) Enter the IP address of the machine in the "Server" entry box.

(3) Click the [OK] button.

2

Follow the prompts on the operation panel of the machine to permit the connection.

During remote software communication, the key appears in the system settings of the machine. If you wish to break the connection, exit the remote software or press the [SYSTEM SETTINGS] key on the operation panel and select the key in the screen that appears.

Use the operation panel in the same way as you would on the machine. Note that a key cannot be held down to continuously change a value being entered. For detailed procedures, see the chapters for each of the functions in this manual.

System Settings (Administrator): Remote Operation Settings (Web page only)
Set the operation authority for the remote operation function.
Registration is performed in [System Settings] - [Operation Settings] - "Remote Operation Settings" in the Web page menu.

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JOB LOG

The machine retains a log of the jobs that are performed. Settings for the job log stored in the machine are configured on the Web page. Select [Job Log] on the Web page to configure the settings.

SAVE / DELETE JOB LOG

The log of jobs executed on the machine can be stored or deleted.

Item	Settings
Save Job Log	
Save and Delete the Data	Deletes the job log after saved if checked.
[Save] button	Saves the job log.
The Number of Job Log to Notify by E-mail	Select the number of jobs that triggers e-mail notification. Informs the address configured in E-mail alert when the designated number is reached. When there is a fax function, this item does not appear.
Delete Job Log	
[Delete] button	Deletes the job log.

VIEW JOB LOG

The log of jobs executed on the machine can be displayed.
The items to be displayed and the applicable period can be selected.

Item	Settings
Select Item	Select the item to be displayed.
[Show] button	Displays the job log.

Contents

ITEMS RECORDED IN THE JOB LOG

The machine records the jobs that are performed in the job log.
The main information that is recorded in the job log is described below.

- To make it easy to total the usage counts of differently configured machines, the items recorded in the job log are fixed, regardless of what peripheral devices are installed or the objective of the recording. For this reason, items may appear in the log for functions that are not available on the machine.
- In some cases, job information may not be correctly recorded, such as when a power failure occurs during a job.
- JOB LOG (page 1-34)
  When you wish to print a print hold job, press this key to switch to print mode.
  Registration is performed in [JOB LOG] in the Web page menu.

No.		Item name	Description
1	Main items	Job ID	The job ID is recorded. Job IDs appear in the log as consecutive numbers up to a maximum of 999999, after which the count resets to 1.
2		Job Mode	The job mode, such as copy or print.
3		Computer Name	The name of the computer that sent a print job.*
4		User Name	The user name when the user authentication function is used.
5		Login Name	The login name when the user authentication function is used.
6		Starting Date & Time	The date and time the job was started.
7		Completing Date & Time	The date and time the job was completed.
8		Black & White Total Count	For a print job, the total count is recorded. For a send job, the number of transmitted black & white pages is recorded. When a broadcast transmission is summarized, the total number of pages is recorded. For a scan to HDD job, the number of stored black & white pages is recorded.
9		Full Colour Total Count	For a print job, the total count is recorded. For a send job, the total number of transmitted full colour pages is recorded. When a broadcast transmission is summarized, the total number of pages is recorded. For a scan to HDD job, the number of stored full colour pages is recorded.
10		3-Colour Total Count	For print job, the total count is recorded.
11		2-Colour Total Count	Indicates the total 2-colour count.
12		Single Colour Total Count	Indicates the total single colour count.
13		Count according to size	Counts by original/paper size in colour mode and black & white mode.
14		Number of sheets according to size	Indicates the sheet count by paper type.
15		Invalid Paper Count(Black & White)	Indicates the black & white invalid sheet count.
16		Invalid Paper Count(Colour)	Indicates the colour invalid sheet count.

Contents

No.		Item name	Description
17	Main items	Number of Reserved Sets	Number of specified sets or reserved destinations.
18		Number of Completed Sets	Number of completed sets or number of destinations to which transmission was successfully completed.
19		Number of Reserved Pages	Number of reserved original pages of a copy, print, scan job, or other job.
20		Number of Completed Pages	Number of completed pages of a set.
21		Result	The result of a job.
22		Error Cause	When an error occurs during a job, the cause of the error.
23	Print Job Related Item	Output	The output mode of a printed job.
24		Staple	The status of stapling.
25		Staple Count	The staple count.
26		Punch Count	The punch count.
27		Fold	The status of folding.
28		Fold count	The fold poomted.
29		Printer Tone	The tone used for a print job.
30	Image Send Related Item	Direct Address	Address of an image send job.
31		Sender Name	Sender name of an image send job.
32		Sender Address	Sender address of an image send job.
33		Transmission Type	Transmission type of an image send job.
34		Administrative Serial Number	Administrative serial number of an image send job.
35		Broadcast number	Broadcast number of an image send job.
36		Entry Order	Reservation order for broadcast transmission of an image send job. For a serial polling job, this is used to correlate communication with printing.
37		File Type	File format of an image send job.
38		Compression Mode/Compression Ratio	Compression mode and compression ratio of the file of an image send job.
39		Communication Time	Indicates the communication time of image send jobs.
40		Fax No.	Indicates the stored sender's number.
41	Print Hold Related Item	Print Hold	Print hold status.
42		Storing Mode	Print hold store mode.
43		File Name	Name of file stored by retention print.*
44		Data Size [KB]	File size.
45	Common Functionality	Colour Setting	Colour mode selected by user.
46		Special Modes	Special modes selected when the job was executed.
47		File Name 2	Records the file names of print jobs.*

Contents

No.		Item name	Description
48	Detailed Items	Original Size	Size of scanned original. Paper size of the file of a print hold print job.
49		Original Type	Original type (text, printed photo, etc.) set in the exposure settings screen.
50		Paper Size	For a print job, the paper size. For a send job, the transmitted paper size. For a Scan to HDD job, the paper size of the stored file.
51		Paper Type	The paper type used for printing.
52		Paper Property: Disable Duplex	Indicates that duplex was disabled in "Paper Type".
53		Paper Property: Fixed Paper Side	Indicates that fixed side was specified in "Paper Type".
54		Paper Property: Disable Staple	Indicates that stapling was disabled in "Paper Type".
55		Paper Property : Display Punch	Indicates that punching was disabled in "Paper Type"
56		Duplex Setup	Indicates the duplex setting.
57		Resolution	Indicates the scanning resolution.
58	Machine Item	Model Name	Indicates the model name of the machine.
59		Unit Serial Number	Indicates the serial number of the machine.
60		Name	Indicates the name of the machine that is set in the Web pages.
61		Machine Location	Indicates the installation location of the machine that is set in the Web pages.

*In some environments this is not recorded.

Contents

STORAGE BACKUP

Address book information and user information stored in the machine can be backed up to your computer or restored from your computer via the Web page.
Settings and information stored in the machine can be backed up to your computer.
Settings can be exported or imported in XML format using the Web page. Select [Storage Backup] in the Web page menu and configure the settings.

- The data is saved to the computer that is accessing the Web page.
- This function cannot be used while the system settings are in use, while a job is being executed, or when there is a reserved job.
- For machines for which data can be imported, contact your dealer or nearest authorised service representative.

EXPORT SETTINGS

Use these settings to back up data to your computer.

Item	Settings
Export Settings Type	Select the type of settings that you want to export.
Password	Enter the password that will be required to import settings (maximum of 16 characters).

IMPORT SETTINGS

Use these settings to restore data that was previously backed up to your computer to the machine.

Item	Settings
Import settings from file	Enter the name of the file to be imported (maximum of 200 characters). Click [Browse] to select the file from the file selection dialog box.
Password	If a password has been set for the file to be imported, enter the password (maximum of 16 characters).

DEVICE CLONING

Device cloning is used to save the machine's setting information in XML format and copy the information to another machine.
This function saves you the trouble of repeatedly configuring the same settings in multiple machines. Select [Device Cloning] in the Web page menu and configure the settings.

- The data is saved to the computer that is accessing the Web page.
- This function cannot be used while the system settings are in use, while a job is being executed, or when there is a reserved job.
- For machines for which data can be imported, contact your dealer or nearest authorised service representative.
- The following data is not copied when device cloning is performed:
  - List print and fax forwarding items.
  - Count and device status display items.
  - IP address of the machine, device name, administrator password, sender names for image send, and other information that is specific to the machine.
  - Screen contrast, colour adjustment, and other adjusted values particular to each hardware device.

EXPORT SETTINGS

Use these settings to back up data to your computer.

Item	Settings
Export Settings Type	Select the type of settings that you want to export.
Password	Enter the password that will be required to import settings (maximum of 16 characters).

IMPORT SETTINGS

Use these settings to restore data that was previously backed up to your computer to the machine.

Item	Settings
Import settings from file	Enter the name of the file to be imported (maximum of 200 characters). Click [Browse] to select the file from the file selection dialog box.
Password	If a password has been set for the file to be imported, enter the password (maximum of 16 characters).

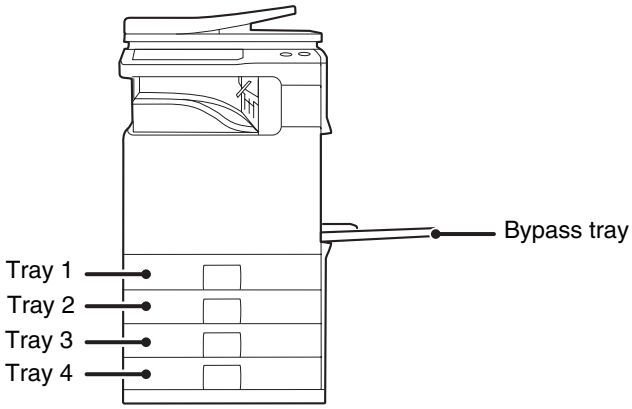
LOADING PAPER

IMPORTANT POINTS ABOUT PAPER

This section provides information that you should know before loading paper in the paper trays.
Be sure to read this section before loading paper.

NAMES AND LOCATIONS OF TRAYS

The names of the trays are as follows.



USEABLE PAPER

Various types of paper are sold. This section explains what plain paper and what special media can be used with the machine. For detailed information on the sizes and types of paper that can be loaded in each tray of the machine, see the specifications in the Maintenance & Safety Guide and "Paper Tray Settings" (page 6-13) in "6. SYSTEM SETTINGS".

Plain paper, special media

Plain paper that can be used

- SHARP standard plain paper (80 g/m^2 (21 lbs.)). For paper specifications, see the specifications in the Maintenance & Safety Guide.
- Plain paper other than SHARP standard paper (60 g/m^2 to 105 g/m^2 (16 lbs. to 28 lbs.))
  Recycled paper, coloured paper and pre-punched paper must meet the same specifications as plain paper. Contact your dealer or nearest authorised service representative for advice on using these types of paper.

* The "g/m^2" (lbs.) units used in these explanations indicate the weight of the paper.

Contents

Types of paper that can be used in each tray

The following types of paper can be loaded in each tray.
"–" in the table indicates "cannot be used".

	Tray 1/Tray 2/Tray 3/Tray 4	Bypass tray
Plain paper	Permitted	Permitted
Pre-printed	Permitted	Permitted
Recycle Paper	Permitted	Permitted
Letter head	Permitted	Permitted
Pre-punched	Permitted	Permitted
Colour	Permitted	Permitted
Heavy paper*1	–	Permitted
Labels	–	Permitted
Glossy paper	–	Permitted
Transparency film	–	Permitted
Envelopes	–	Permitted
Thin paper*2	–	Permitted

*1 "Heavy paper" is heavy paper up to 209 g/m^2 (110 lbs. index).
*2 Thin paper from 55 g/m^2 to 59 g/m^2 (13 lbs. to 16 lbs.) can be used.

Print side face up or face down

Paper is loaded with the print side face up or face down depending on the paper type and tray.
The loading orientation of punched paper, letterhead paper, and pre-printed paper differs from that of other paper.
For details, see "Example: Placement orientations of punched paper, letter head paper, and pre-printed paper" (page 1-42).

Trays 1 to 4

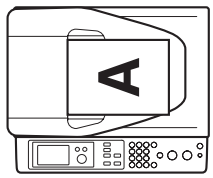
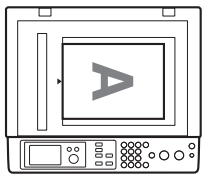
Load the paper with the print side face up.
However, if the paper type is "Pre-Punched", "Letter Head" or "Pre-Printed", load the paper with the print side face down*.

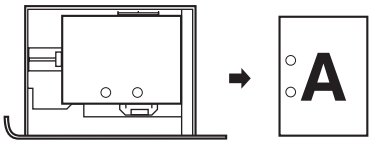
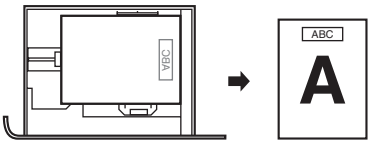
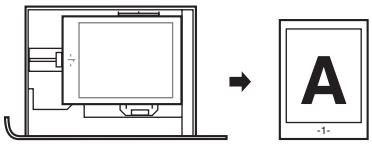
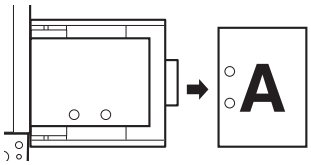
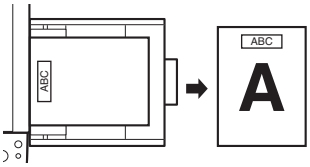
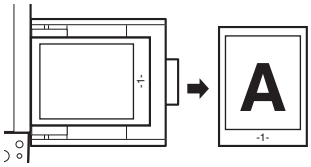
Bypass tray

Load the paper with the print side face down.
However, if the paper type is "Pre-Punched", "Letter Head" or "Pre-Printed", load the paper with the print side face up*.

* If "Disabling of Duplex" (Web page only) is enabled in the system settings (administrator), load the paper in the normal way (face up in trays 1 to 4; face down in the bypass tray).

Example: Placement orientations of punched paper, letter head paper, and pre-printed paper
This explanation assumes that "Disabling of Duplex" (Web page only) is not enabled in the system settings (administrator).

Document feeder tray	Original glass
	

	Pre-punched (Left binding)	Letter head	Pre-printed
Tray 1 to 4	 Load the paper print side down with the punch holes to the front and the top edge to the right.	 Load the paper print side down with the letter head (top edge) to the right.	 Load the paper print side (pre-printed side) down with the top edge to the right.
Bypass tray	 Load the paper print side up with the punch holes to the front and the top edge to the left.	 Load the paper print side up with the letter head (top edge) to the left.	 Load the paper print side (pre-printed side) up with the top edge to the left.

Paper that cannot be used

- Special media for inkjet printers (fine paper, glossy paper, glossy film, etc.)
- Carbon paper or thermal paper
- Pasted paper
- Paper with clips
- Paper with fold marks
- Torn paper
- Oil-feed transparency film
- Thin paper less than 55 g/m^2 (15 lbs.)
- Paper that is 210 g/m^2 (57 lbs.) or heavier
- Irregularly shaped paper
- Stapled paper
- Damp paper
- Curled paper
- Paper on which either the print side or the reverse side has been printed on by another printer or multifunction device.
- Paper with a wave-like pattern due to moisture absorption

Non-recommended paper

- Iron-on transfer paper
- Japanese paper
- Perforated paper

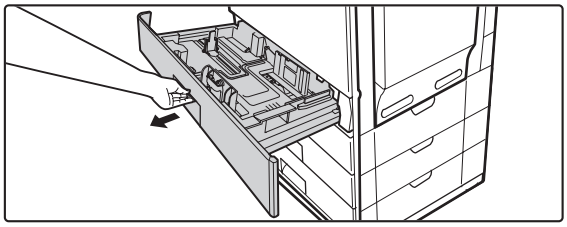
- Various types of plain paper and special media are sold. Some types cannot be used with the machine. Contact your dealer or nearest authorised service representative for advice on using these types of paper.
- The image quality and toner fusibility of paper may change due to ambient conditions, operating conditions, and paper characteristics, resulting in image quality inferior to that of SHARP standard paper. Contact your dealer or nearest authorised service representative for advice on using these types of paper.
- The use of non-recommended or prohibited paper may result in skewed feeding, misfeeds, poor toner fusing (the toner does not adhere to the paper well and can be rubbed off), or machine failure.
- The use of non-recommended paper may result in misfeeds or poor image quality. Before using non-recommended paper, check if printing can be performed properly.

TRAY SETTINGS FOR TRAY 1 TO 4

LOADING PAPER AND CHANGING THE PAPER SIZE

A maximum of 500 sheets of paper from size A5 to A4 (5-1/2" x 8-1/2" to size 8-1/2" x 14") can be loaded in trays 1 and 2.
A maximum of 500 sheets of paper from size B5 to A4 (7-1/4" x 10-1/2" to size 8-1/2" x 14") can be loaded in trays 3 and 4.

1

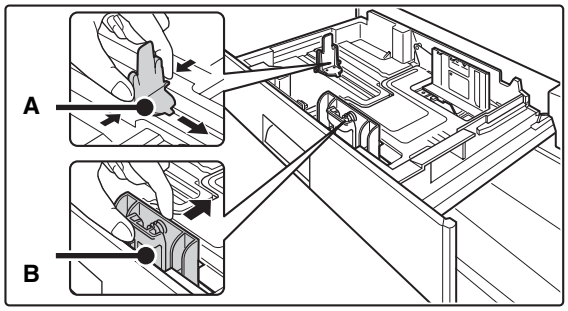


Pull out the paper tray.

Gently pull the tray out until it stops.
To load paper, go to step 3. To load a different size of paper, go to the next step.

Do not pull hard on the tray. This may cause failure.

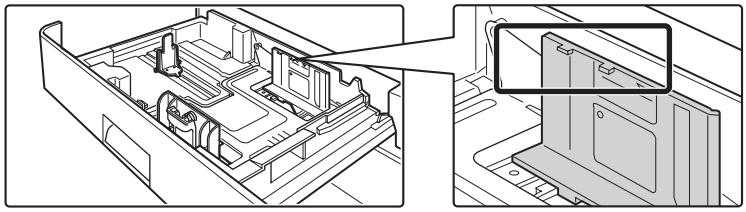
2



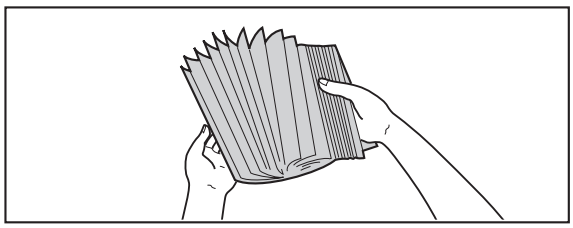
Adjust the guide plates A and B by squeezing their lock levers and sliding them to match the vertical and horizontal dimensions of the paper to be loaded.

The guide plates A and B are slidable. Slide each guide plate while squeezing its lock lever.

- Be sure to place the guide to match the size of the paper. If the guide is not placed correctly, paper skewing or misfeeds may occur.
- The loaded paper should not go higher than these protrusions.



3



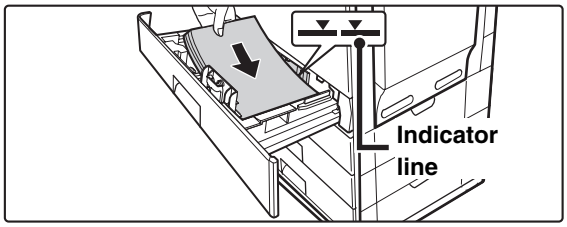
Fan the paper.

Fan the paper well before loading it. If the paper is not fanned, multiple sheets may feed at once and cause a misfeed.

When handling paper, take care not to cut yourself on the edges of the paper.

Contents

4

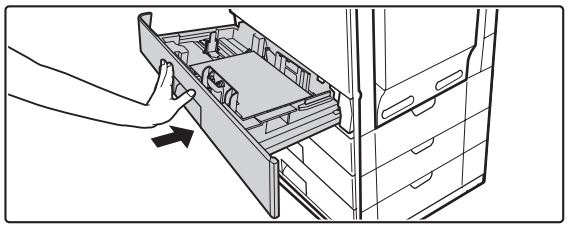


Insert the paper into the tray.

Load the paper with the print side face up. The stack must not be higher than the indicator line (maximum of 500 sheets).

- If paper is loaded higher than the line, paper misfeeds may occur.
- When pushing in a tray, take care that your fingers do not become pinched in the tray.

5



Gently push the paper tray into the machine.

Push the tray firmly all the way into the machine.

When pulling out a tray after paper is loaded, do not pull hard. The tray may be damaged, the machine may topple, and injury may result.

If you loaded a different type or size of paper than was loaded previously, be sure to change the "Paper Tray Settings" in the system settings. If these settings are not configured correctly, automatic paper selection will not operate correctly and printing may take place on the wrong size or type of paper, or a misfeed may occur.

⚠Caution

If children are present, ensure that the children do not sit or play on a tray that has been pulled out. Sitting on a tray may damage the tray and cause the machine to topple, resulting in injury.

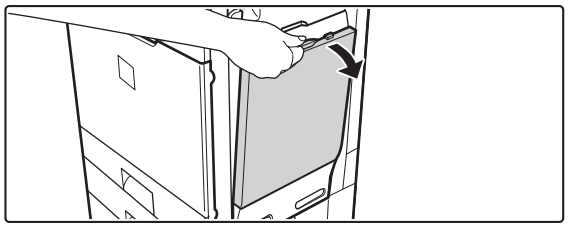
Do not place heavy objects on the tray or press down on the tray.

System Settings: Paper Tray Settings (page 6-13)
Change these settings when you change the size or type of paper loaded in a tray.

Contents

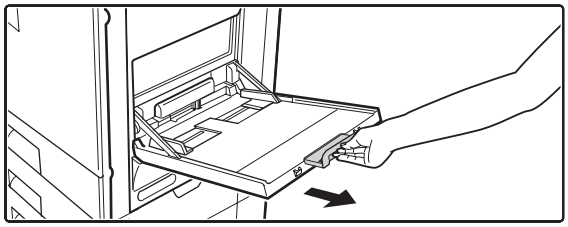
LOADING PAPER IN THE BYPASS TRAY

The bypass tray can be used to print on plain paper, envelopes, label sheets, and other special media. Up to 100 sheets of paper can be loaded (up to 40 sheets of heavy paper) for continuous printing similar to the other trays.



Open the bypass tray.

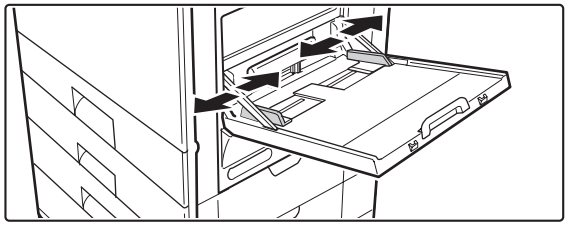
1



When loading paper larger than A4 or 8-1/2" x 11", be sure to pull out the bypass tray extension. Pull the bypass tray extension all the way out. If the bypass tray extension is not pulled all the way out, the size of the loaded paper will not be correctly displayed.

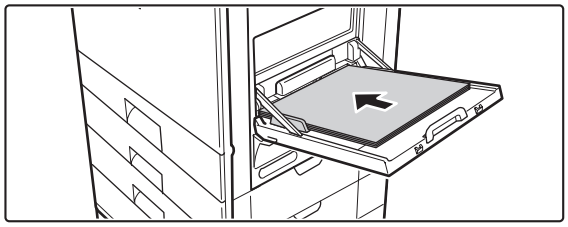
Do not place heavy objects on the bypass tray or press down on the tray. The bypass tray may be damaged, the machine may topple, and injury may result.

2



Set the bypass tray guides to the width of the paper.

3



Insert the paper along the bypass tray guides all the way into the bypass tray until it stops.

Load the paper with the print side face down.

- Do not force the paper in.
- If the bypass tray guides are set wider than the paper, move the bypass tray guides in until they correctly fit the width of the paper. If the bypass guides are set too wide, the paper may skew or be creased.

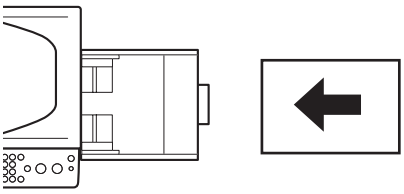
⚠ Caution

If children are present, ensure that the children do not sit or play on a bypass tray that has been pulled out. Sitting on a tray may damage the tray and cause the machine to topple, resulting in injury.

IMPORTANT POINTS WHEN USING THE BYPASS TRAY

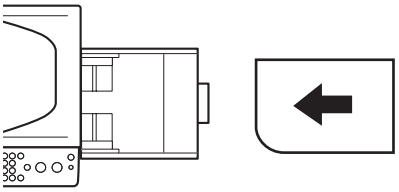
- When using plain paper other than SHARP standard paper or special media other than SHARP-recommended transparency film, or when printing on the reverse side of previously used paper, the paper must be loaded one sheet at a time. Loading more than one sheet at a time will cause misfeeds.
- Before loading paper, straighten any curling in the paper. If curled paper is not straightened, a misfeed may occur.
- When adding paper, remove any paper remaining in the bypass tray, combine it with the paper to be added, and reload as a single stack. If paper is added without removing the remaining paper, a misfeed may result.

Inserting paper



Place paper in the horizontal orientation.

Inserting transparency film

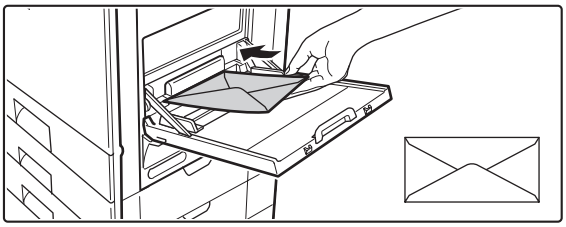


- Use SHARP-recommended transparency film. When using transparency film, place the film on the bypass tray with the rounded corner at the left front. This ensures that the print side faces in the correct direction.
- Do not touch the print side of transparency film.
- When loading multiple sheets of transparency film in the bypass tray, be sure to fan the sheets several times before loading.
- When printing on transparency film, be sure to remove each sheet as it exits the machine. Allowing sheets to stack in the output tray may result in curling.

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Loading envelopes

When inserting envelopes in the bypass tray, place them aligned to the left side in the orientation shown below.
Only the front side of envelopes can be printed on. Be sure to place the front side face down.
When loading envelopes, load one envelope at a time.



- Do not print on both sides of an envelope. This may result in misfeeds or poor print quality.
- Some operating environments may cause creasing, smudging, misfeeds, poor toner fusing, or machine failure.

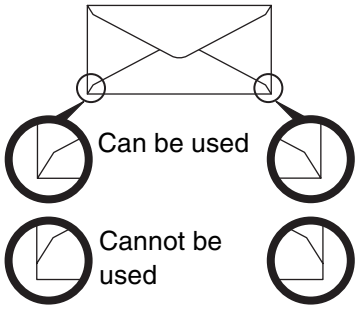
Restrictions apply to some types of envelopes. For more information, consult a qualified service technician.

Important points when using envelopes

Envelopes that cannot be used

Do not use the following envelopes. Envelopes misfeed, and smudges may result.

- Envelopes with metal clasps
- Plastic hooks, or ribbon hooks
- Envelopes closed with string
- Envelopes with windows or backing
- Envelopes with an uneven front surface due to embossing
- Double-layer envelopes
- Envelopes with an adhesive for sealing
- Hand-made envelopes
- Envelopes with air inside
- Envelopes with creases, fold marks, torn or damaged envelopes
- Envelopes with an incorrectly aligned corner gluing position on the back cannot be used as creasing may result.



Print quality on envelopes

- Print quality is not guaranteed in the area 10 mm (13/32") around the edges of the envelope.
- Print quality is not guaranteed on parts of envelopes where there is a large step-like change of thickness, such as on four-layer parts or parts less than three layers.
- Print quality is not guaranteed on envelopes having peel off flaps for sealing the envelopes.

ORIGINALS

This section explains how to place originals in the automatic document feeder and on the document glass.

PLACING THE ORIGINAL

PLACING ORIGINALS IN THE AUTOMATIC DOCUMENT FEEDER

This section explains how to place originals in the automatic document feeder.

Allowed original sizes

Minimum original size	Maximum original size
Standard sizes A5: 148 mm (height) x 210 mm (width) 5-1/2" (height) x 8-1/2" (width) **Non-standard sizes** (Minimum size that can be specified manually) 1-sided scanning: 100 mm (height) x 89 mm (width) (4" (height) x 3-1/2" (width)) 2-sided scanning: 100 mm (height) x 148 mm (width) (4" (height) x 5-7/8" (width))	**Standard sizes** A4: 210 mm (height) x 297 mm (width) 8-1/2" (height) x 14" (width) **Non-standard sizes** (Maximum size that can be specified manually) Copy mode: 216 mm (height) x 356 mm (width) 8-1/2" (height) x 14" (width) Image send mode: 216 mm (height) x 500 mm (width) 8-1/2" (height) x 19-5/8" (width)

When the original is a non-standard size, see the appropriate explanation below for the mode you are using.

☞ 2. COPIER "SPECIFYING THE ORIGINAL SIZE" (page 2-28)
☞ 4. FACSIMILE "IMAGE SETTINGS" (page 4-48)
☞ 5. SCANNER / INTERNET FAX "IMAGE SETTINGS" (page 5-58)

Allowed original weights

1-sided scanning	35 g/m^2 to 128 g/m^2 (9 lbs. to 32 lbs.)
2-sided scanning	50 g/m^2 to 105 g/m^2 (13 lbs. to 28 lbs.)

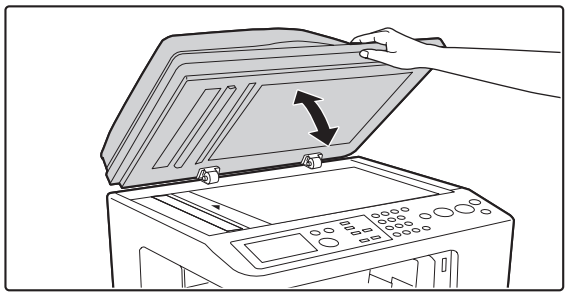
To scan originals from 35 g/m^2 to 49 g/m^2 (9 lbs. to 14 lbs.), use "Slow Scan Mode" in the special modes. Scanning without using "Slow Scan Mode" may result in original misfeeds.
When "Slow Scan Mode" is selected, automatic 2-sided scanning is not possible.

Originals that cannot be fed through the automatic document feeder

Do not use the following originals. Original misfeeds, and smudges may result.

- Transparency film
- Tracing paper
- Carbon paper
- Thermal paper or originals printed with thermal transfer ink ribbon
- Originals to be fed through the feeder should not be damaged, crumpled, folded, loosely pasted together, or have cut-out holes
- Originals with multiple punched holes other than two-hole or three-hole punched paper
- Originals that have been scanned multiple times in the automatic document feeder and have become creased or folded.
- Originals that have absorbed moisture and become soft.

1

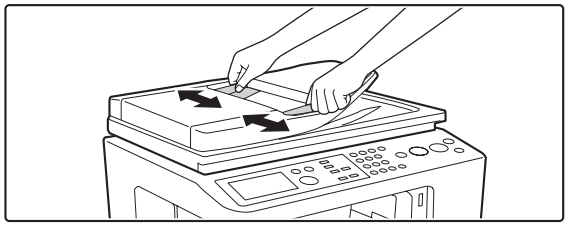


Make sure an original does not remain on the document glass.

Open the automatic document feeder, make sure that an original is not on the document glass, and then gently close the automatic document feeder.

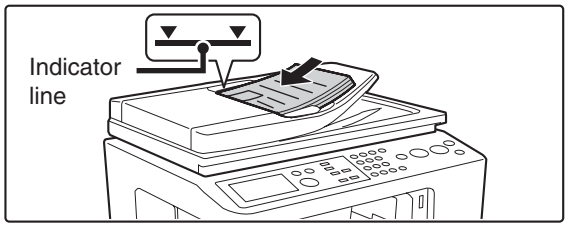
When closing the automatic document feeder, take care that your fingers do not become pinched.

2



Adjust the original guides to the size of the originals.

3

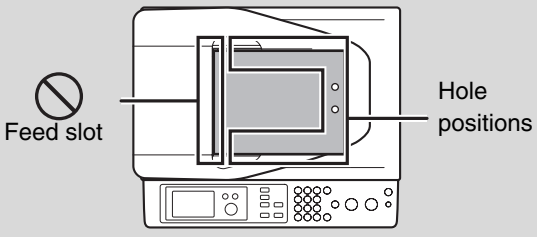


Place the originals.

Make sure the edges of the originals are even.
Insert the originals face up all the way into the document feeder tray.
Insert a number of originals that does not exceed the indicator line on the document feeder tray.
Up to 50 sheets can be inserted.
Be sure to remove originals that have been finished scanning from the original exit tray.

- Do not insert your hand into the document insertion opening in the automatic document feeder.
- If originals are placed higher than the line, misfeeds may occur.

- Before inserting originals into the document feeder tray, be sure to remove any staples or paper clips.
- If originals have damp spots due to correction fluid, ink or pasteup glue, wait until the originals are dry before making copies. Otherwise the interior of the document feeder or the document glass may be soiled.
- When using originals with two or three holes, place them so that the punched edge is at a position away from the feed slot of the document feeder tray.



Contents

PLACING THE ORIGINAL ON THE DOCUMENT GLASS

This section explains how to place the original on the document glass.

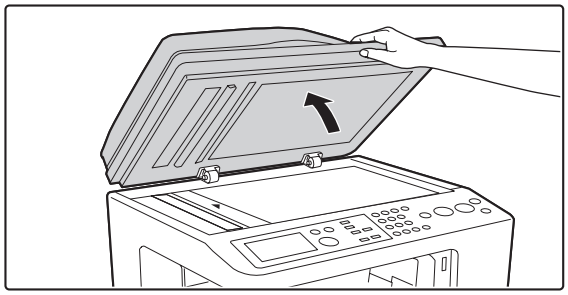
Allowed original sizes

Maximum original size
Standard sizes A4: 210 mm (height) x 297 mm (width) 8-1/2" (height) x 11" (width) **Non-standard sizes** 216 mm (height) x 297 mm (width) 8-1/2" (height) x 11-11/16" (width)

When the original is a non-standard size, see the appropriate explanation below for the mode you are using.

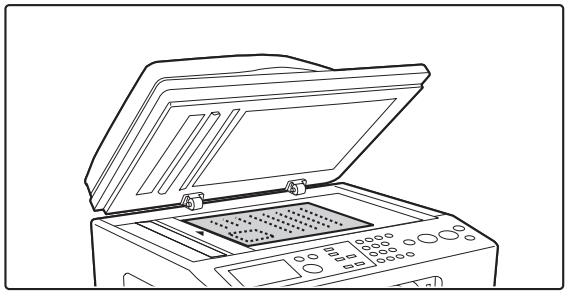
☞ 2. COPIER "SPECIFYING THE ORIGINAL SIZE" (page 2-28)
☞ 4. FACSIMILE "IMAGE SETTINGS" (page 4-48)
☞ 5. SCANNER / INTERNET FAX "IMAGE SETTINGS" (page 5-58)

1



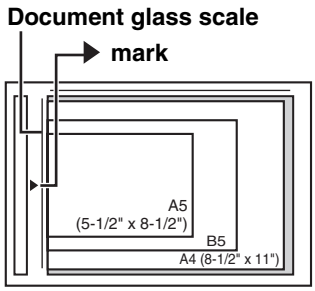
Open the automatic document feeder.

2



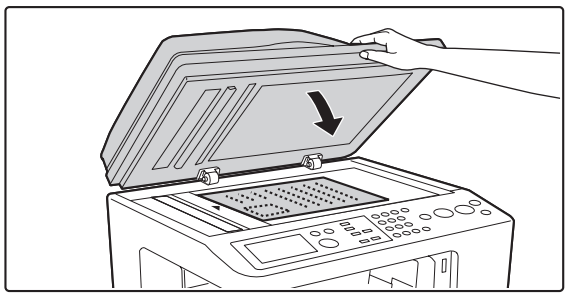
Place the original.

Place the original face down in the left centre position of the document glass.



All originals should be placed in the left centre position.
Align the middle of the original with the tip of the ▶ mark.

3



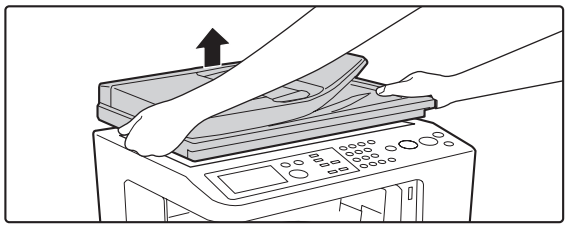
Close the automatic document feeder.

After placing the original, be sure to close the automatic document feeder. If left open, parts outside of the original will be copied black, causing excessive use of toner.

Contents

Placing a thick book

When scanning a thick book or other thick original, follow the steps below to press the book down.



(1) Slightly lift the left and right sides of the automatic document feeder.

The automatic document feeder will rise.

(2) Slowly close the automatic document feeder.

⚠ Caution

- **Close the automatic document feeder slowly. Abruptly closing the automatic document feeder may damage it.**
- **Take care that your fingers are not pinched when closing the automatic document feeder.**
- **Do not press hard on the automatic document feeder. This may cause failure.**

PERIPHERAL DEVICES

This section describes the peripheral devices that can be used with the machine and explains how to use the finisher, as well as Sharp OSA (application communication module and external account module).

PERIPHERAL DEVICES

Peripheral devices can be installed on the machine to increase its range of functionality.
The peripheral devices are generally optional, however, some models include certain peripheral devices as standard equipment.

(As of October, 2008)

Product name	Product number	Description
500-sheet paper feed unit	MX-CSX1	Additional tray. A maximum 500 sheets of paper can be loaded in each tray.
	MX-CSX2	
Business card feeder	MX-BTX1	This feeder attaches to the automatic document feeder and is used to automatically scan business cards.
Finisher	MX-FN12	Output device that enables the use of the staple function and offset function.
Barcode font kit	AR-PF1	Adds barcode fonts to the machine.
PS3 expansion kit	MX-PKX5	Enables the machine to be used as a Postscript compatible printer.
XPS expansion kit	MX-PUX1	The machine can be used as an XPS compatible printer. For details, consult your dealer. To install this kit, a 1 GB expansion memory board (MX-SMX3) is required.
Expansion memory board	MX-SMX3	This expands the memory that can be used on the machine.
Internet fax expansion kit	MX-FWX1	Enables Internet Fax.
Facsimile expansion kit	MX-FXX3	Adds a fax function.
Application integration module	MX-AMX1	The application integration module can be combined with the network scanner function to append a metadata file to a scanned image file.
Application communication module	MX-AMX2	This allows the machine to be linked over a network to an external software application.
External account module	MX-AMX3	This is required to use an external account application on the machine.

Product name	Product number	Description
Sharpdesk 1 licence kit	MX-USX1	This software enables integrated management of documents and computer files.
Sharpdesk 5 licence kit	MX-USX5	
Sharpdesk 10 licence kit	MX-US10	
Sharpdesk 50 licence kit	MX-US50	
Sharpdesk 100 licence kit	MX-USA0	

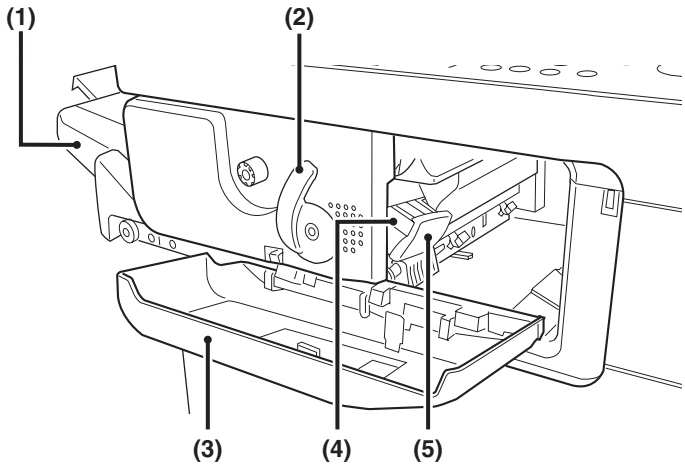
Some options may not be available in some countries and regions.

FINISHER

The finisher is equipped with the offset function, which offsets each set of output from the previous set.
In addition, each set of sorted output can be stapled.

PART NAMES

The following parts can be accessed when the finisher is open.



(1) Output tray
Stapled and offset output is delivered to this tray. The tray is slidable. Extend the tray for large output (8-1/2" x 14", 8-1/2" x 13", 8-1/2" x 13-1/2", and 8-1/2" x 13-2/5" sizes).

(2) Lever
Use this to move the finisher in order to remove a paper misfeed, replace staples, or remove a staple jam.

(3) Front cover
Open this cover to remove a paper misfeed, replace staples, or remove a staple jam.

(4) Staple case
This holds the staple cartridge. Pull the case out to replace the staple cartridge or remove a staple jam.

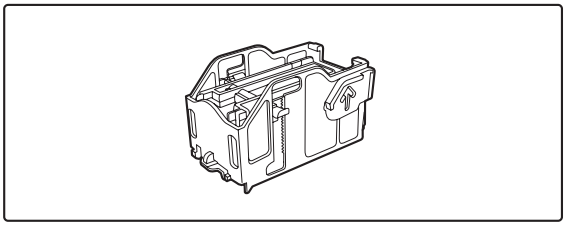
(5) Staple case release lever
Use this to remove the staple case.

Use caution when you turn on the power and when printing is taking place, as the tray may move up and down.

SUPPLIES

The finisher requires the following staple cartridge:

Staple cartridge
(approx. 5000 staples per cartridge x 3 cartridges)
MX-SCX1

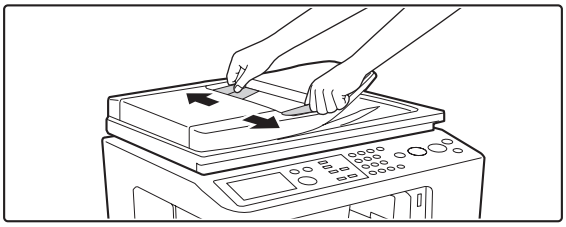


Contents

BUSINESS CARD FEEDER

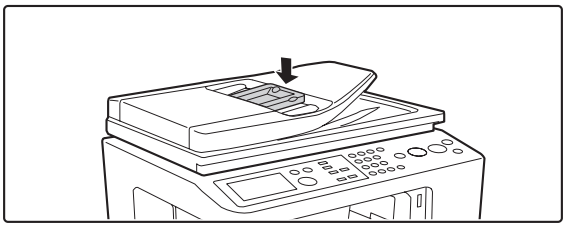
This feeder attaches to the automatic document feeder and is used to automatically scan business cards.

1



Open the original guide to the maximum width.

2



Place the business card feeder on the document feeder tray.

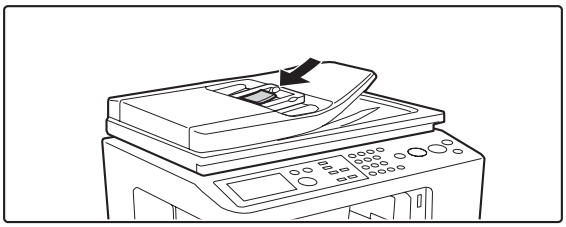
(1) Place the business card feeder in the centre of the document feeder tray.

(2) Gently press down on the business card feeder.

You will hear the feeder click into place.

- When you have attached the business card feeder, enable "Business Card Scan Option" in the system settings (administrator).
- When scanning business cards, it is convenient to use "Business Card Scan" in the special modes for copying and scanning.

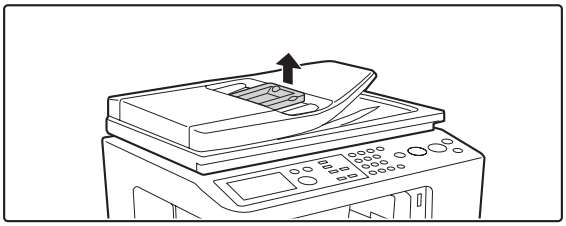
3



Load the business cards.

Make sure the edges of the cards are aligned evenly. Insert the cards face up all the way into the business card feeder.

4



After using the business card feeder, lift the feeder to remove it.

You will hear a click sound as the feeder is released. Store the feeder in its storage pocket.

System Settings (Administrator): Business Card Scan Option (Web page only)
Specify whether or not the Business Card Scan function is used.

SHARP OSA

Sharp OSA (Open Systems Architecture) is an architecture that enables external applications to be directly connected to a digital multifunction machine over a network.
When a digital multifunction machine that supports Sharp OSA is used, the operation panel controls and functions of the machine such as scan send can be linked to an external application.
There are two types of external applications: "standard application" and "external account application". An "external account application" is used for centralized account management of a multifunction machine on a network. A "standard application" refers to all other applications.

APPLICATION COMMUNICATION MODULE (MX-AMX2)

The application communication module is required to use a "standard application" on the machine.
When a previously registered standard application is selected in the Web pages of the machine, the machine retrieves the operation screen from the registered URL. Control of the operation screen is performed by the standard application, and Scan to FTP, Scan to Network Folder, and HTTPS transmission can be executed.

Standard application setup

To enable a general application in the Web pages of the machine, click [Application Settings] in the administrator menu frame, and then [External Applications Settings] and [Standard Applications]. Configure settings for the standard application in the screen that appears.

Selecting a standard application

The procedure for selecting a general application that has been enabled in the Web pages of the machine is explained below.

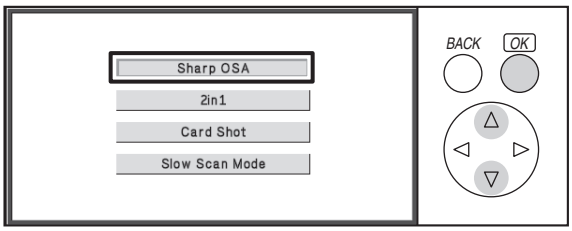
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the Sharp OSA shortcut key.

2



Select the [Sharp OSA] key.

When no standard applications are stored in the Web page, the [Sharp OSA] key does not appear.

Contents

3



Select the standard application.

If two or more standard applications have been stored in the Web pages, the screen to select the standard application will appear. Select the standard application that you wish to use. If only one standard application has been stored in the Web pages, connection to the standard application will begin.

4

The machine connects to the standard application.

The message "Connecting to the external application." appears while the machine communicates with the standard application.

The mode select key cannot be used during scanning.

EXTERNAL ACCOUNT MODULE (MX-AMX3)

The external account module is required to use a "external account application" on the machine.
An external account application can be used in "external authentication mode" or "external count mode". When external authentication mode is used, the login screen is retrieved from the application when the machine is started. When a job ends, a job notification screen is sent to the application to enable counts to be kept for each authenticated user.
When "external count mode" is used, the login screen is not displayed when the machine is started. Only a job result notification is sent to the application. User authentication by the external account application cannot be used, however, the external account application can be used in combination with the internal account function.

External account application setup

To enable an external account application in the Web pages of the machine, click [Application Settings] in the administrator menu frame, and then [External Applications Settings] and [External Accounting Application Settings]. Configure settings for the external account application in the screen that appears. The setting change will take effect after the machine is restarted. To restart the machine, see "TURNING THE POWER ON AND OFF" (page 1-14).

Operation in external account mode

The two modes for using an external account application operate as explained below.

External authentication mode

When the "Enable Authentication by External Server" checkbox is selected in "External Application Setting" in the Web page, the machine enters external authentication mode. When the machine is powered on in external authentication mode, the machine accesses the external account application and displays the login screen. The login screen also appears when the [Call] key is selected to run a job in the job status complete screen. (The login screen does not appear if the user has already logged in by the normal method.)
The [JOB STATUS] key can be pressed while the login screen appears to show the job status screen. To return to the previous state, press the mode select key.

- The user control function of the machine cannot be used in external authentication mode. However, "User Registration", "User Count Display", "User Count Reset", "User Information Print", and "The Number of User Name Displayed Setting" can be used.
- The mode select key cannot be used while the login screen appears.

If login fails

If the login screen fails to appear or the application does not operate correctly, the machine may also stop operating correctly. In this event, it is recommended that you quit external account mode from the Web pages of the machine. For more information, see [Help] in the Web pages.
To forcibly exit external account mode from the machine's operation panel, follow these steps:
Change "External Application Setting" in the Web page. Restart the machine to make the change take effect. To restart the machine, see "TURNING THE POWER ON AND OFF" (page 1-14).

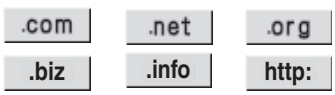
External count mode

When only the "External Account Control" setting is enabled in "External Application Setting" in the Web page, the machine enters external count mode.
Unlike external authentication mode, when the machine is started in "external count mode", the login screen of the external account application is not displayed. Only the job result is sent to the external account application. External count mode can be used together with the user control function of the machine. (External count mode can also be used when the user control function is disabled.)

ENTERING TEXT

This section explains the text entry screen.

FUNCTIONS OF THE MAIN KEYS

Key	Description
	This key changes the text entry screen from the lower case screen to the upper case screen. The upper case screen will continue to appear until the [Caps] key is selected again so that it is no longer highlighted. The [Caps] key is convenient when you wish to enter all capital letters. (This key will vary depending on your country or region.)
	This key temporarily changes the keys in the text entry screen to upper case when lower case letters appear, or to lower case when upper case letters appear. Select a letter key after selecting the [Shift] key to enter that letter. After the letter is entered, the [Shift] key will no longer be highlighted and the original text entry screen will appear. The [Shift] key is convenient when you only need to enter one upper case letter or one lower case letter, or when you need to enter one of the symbols assigned to the numeric keys. To cancel selection of the [Shift] key, select the [Shift] key again. The [Shift] key will no longer be highlighted. (This key will vary depending on your country or region.)
	Select this key to enter a line break when entering the body text of an e-mail message. (This key will vary depending on your country or region.)
	Select this key to delete the characters to the left of the cursor one character at a time.
	Select this key to enter a space between letters.
	This key temporarily changes the entry screen to the accented letter and symbol entry screen. Select a letter key after selecting the [AltGr] key to enter that letter. After the letter is entered, the [AltGr] key will no longer be highlighted and the original text entry screen will appear. To cancel selection of the [AltGr] key, select the [AltGr] key again. The [AltGr] key will no longer be highlighted.
	These keys move the cursor left and right.
	These keys move the cursor to the line above or below the current line during entry of the body text of an e-mail message.
	Use this key to retrieve a previously stored subject for e-mail or other pre-set text.
	Shows explanations of each key.
	Use this key to enter a previously stored text string such as ".com". Text strings are stored in "Soft Keyboard Template Setting" in "Operation Setting" in the "System Settings" on the Web page.

Contents

Key	Description
Cancel	Select this key to return to the previous setting screen without entering text.
OK	Select this key to enter the text that currently appears and return to the previous setting screen.
Search	Select this key and search results will appear based on the entered characters.
Mode	This key is selected, the "Input Mode" screen appears.
Input mode screen	
Characters	Select this key to select character entry mode.
Symbols	Select this key to select symbol entry mode. Symbol mode is used to enter symbols and accented letters.
Other Language •••	Select this key to temporarily change the key layout of character entry mode to a different language. Select the key layout that you wish to use.

- Some keys described above may not appear in certain key layouts or in the keyboards of certain countries or regions.
- On some keyboards that show the English alphabet, the [AltGr] screen continues to appear until the [AltGr] key is selected to remove the highlighting.
- The key layouts that can be selected vary depending on the language selected in "Display Language Setting" in the system settings (administrator).
- The following symbols cannot be used when entering a file name or folder name.
  \ ? / " ; : , < > ! * | & #
  Some computer environments may not allow the use of spaces and the symbols indicated below. For example, hyperlinks will not operate correctly or nonsense characters may appear.
  $ % ' ( ) + - . = @ [ ] ^ ` { } _ ~

CHAPTER 2 COPIER

This chapter provides detailed explanations of the procedures for using the copy function.
For the procedures for using the display, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".

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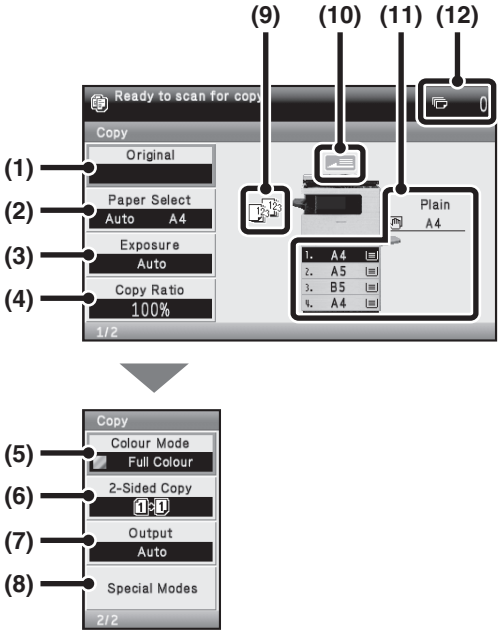
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BEFORE USING THE MACHINE AS A COPIER

This section provides information that you should know before using the machine as a copier.

BASE SCREEN OF COPY MODE

Press the [COPY] key in the display to open the base screen of copy mode.
The base screen shows messages and keys necessary for copying, and settings that have been selected.



(1) [Original] key

Select to specify the original size.
If the original size displayed in this key is different from the size of the original you placed, or if the original size is not displayed, be sure to select this key and specify the correct size.
☞ ORIGINAL SIZES (page 2-28)

(2) [Paper Select] key

Select this key to change the paper (tray) that is used. The tray, paper size, and paper type will appear.
☞ PAPER TRAYS (page 2-9)

(3) [Exposure] key

This shows the current copy exposure and original type settings. Select this key to change the exposure or original type setting.
☞ CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 2-23)

(4) [Copy Ratio] key

This shows the current copy ratio. Select this key to adjust the copy ratio.
☞ REDUCTION/ENLARGEMENT/ZOOM (page 2-25)

(5) [Colour Mode] key

Select this to change the colour mode.
☞ COLOUR COPY MODES (page 2-21)

(6) [2-Sided Copy] key

Select this key to select the 2-sided copying function.
☞ AUTOMATIC 2-SIDED COPYING (page 2-15)

(7) [Output] key

Select this to select an output function such as sort, group, offset, or staple sort.
☞ OUTPUT (page 2-33)

(8) [Special Modes] key

Select this key to select special modes such as Margin Shift and Edge Erase.
☞ SPECIAL MODES (page 2-39)

(9) Output display

When one or more output functions such as sort, group, or staple sort have been selected, this shows the icons of the selected functions.

☞ OUTPUT (page 2-33)

(10) Original feed display

This appears when an original is inserted in the automatic document feeder.

(11) Paper size display

This shows the size of paper loaded in each tray.
For the bypass tray, the paper type appears above the paper size.
The selected tray is highlighted.
The approximate amount of paper in each tray is indicated by .

☞ PAPER TRAYS (page 2-9)

(12) Number of copies display

This shows the number of copies set.

The screen explained in this section appears when 500-sheet paper feed units and finisher are installed. The image will vary depending on the equipment installed.

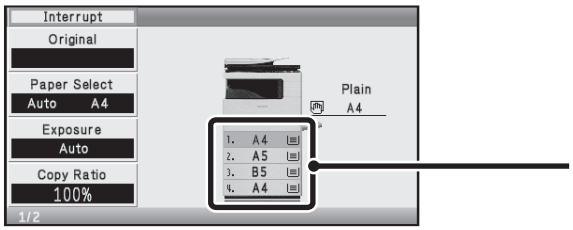
Tray during paper feeding

Do not pull out a tray while paper is being fed from the tray. This will cause a paper misfeed.

Identifying the tray that is being used to feed paper

The tray being used to feed paper also appears in green in the paper size display in the base screen on the display.

Base screen



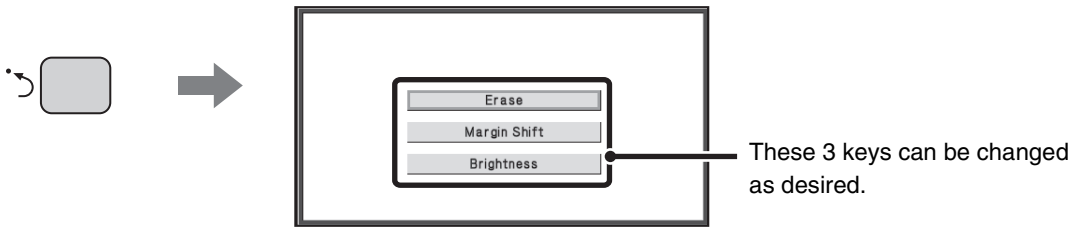
Paper size display

Shows the tray being used to feed paper in green.

Customizing displayed keys

Keys for special modes and other settings can be stored as shortcut keys. By assigning frequently used functions to these keys, you can access the functions with a single touch. To change the function that is assigned to a key, use "Customize Key Setting" in the Web pages.

When "Erase", "Margin Shift", and "Brightness" are assigned to the customized keys



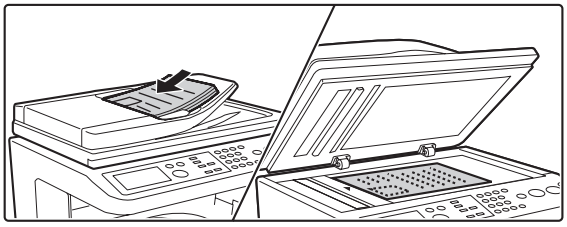
System Settings (Administrator): Customize Key Setting (Web page only)
Registration is performed in [System Settings] - [Operation Settings] - "Customize Key Setting" in the Web page menu.

Contents

COPYING SEQUENCE

This section explains the basic procedure for copying. Select settings in the order shown below to ensure that the copy operation takes place smoothly.
For detailed procedures for selecting the settings, see the explanation of each setting in this chapter.

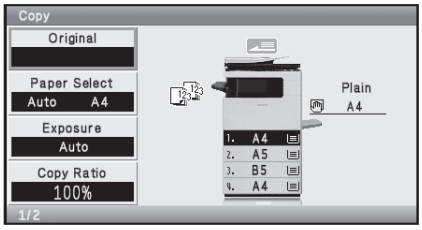
Place the original.



Place the original in the automatic document feeder tray, or on the document glass.

* Depending on the copy functions used, there are also cases where functions are selected before the original is placed.

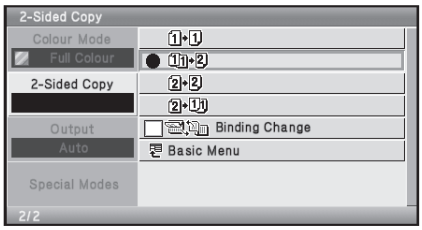
Basic copy settings



Select the basic copy settings.
The main settings are as follows:

- Original size ☞ORIGINAL SIZES (page 2-28)
- Paper Settings ☞PAPER TRAYS (page 2-9)
- Exposure and original type ☞CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 2-23)
- Copy ratio ☞REDUCTION/ENLARGEMENT/ZOOM (page 2-25)
- Colour mode ☞COLOUR COPY MODES (page 2-21)

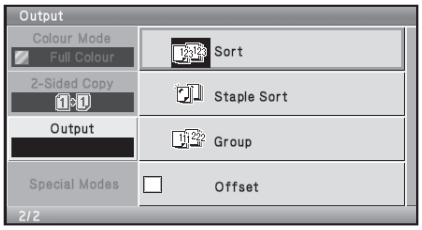
2-sided copy settings



Select settings as needed for 2-sided copying and 2-sided scanning of the original.
☞ AUTOMATIC 2-SIDED COPYING (page 2-15)

Contents

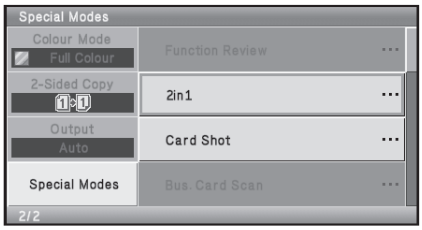
Output settings



Select copy output settings.
The main settings are as follows:

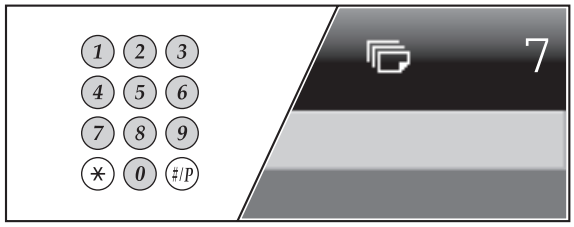
- Sort mode ☞Sort mode (page 2-34)
- Group mode ☞Group mode (page 2-34)
- Offset mode ☞Offset function (page 2-34)
- Staple sort mode
  ☞Staple sort function (page 2-35)

Special mode settings



Select special modes such as "Margin Shift" and "Erase".
☞ SPECIAL MODES (page 2-39)

Number of copies (sets) setting



Set the number of copies (number of sets).

Start copying.

Start scanning the original(s) and making copies.
Press the [COLOUR START] key or the [BLACK & WHITE START] key.

To cancel all settings, press the [CLEAR ALL] key (CA).
When the [CLEAR ALL] key (CA) is pressed, all settings selected to that point are cleared and you will return to the base screen.

To stop scanning of the original and copying, press the [STOP] key (⊘).
When the [STOP] key (⊘) is pressed, a message will appear asking you if you want to cancel the job. Select the [Yes] key in the message screen and press the [OK] key.

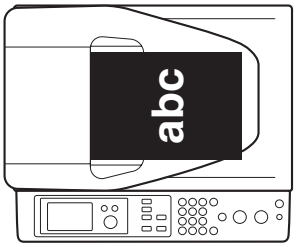
ORIGINALS

STANDARD ORIGINAL PLACEMENT ORIENTATIONS

Place the original so that the top and bottom edges are oriented as shown below. For more information on placing the original, see "ORIGINALS" (page 1-48) in "1. BEFORE USING THE MACHINE".

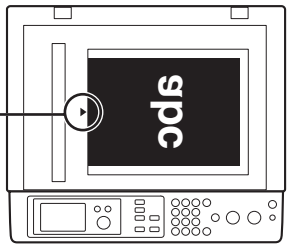
Portrait original

Document feeder tray



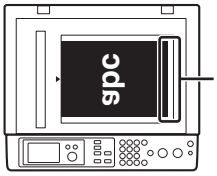
Document glass

Place the original face down in the left centre position of the document glass.



When using the below functions in copy mode, place the original so that the top of the image is to the right.

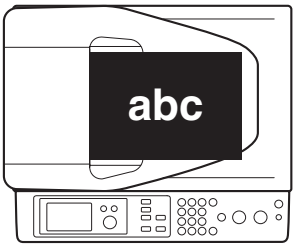
- Staple sort
- Pamphlet copy
- 2in1
- Stamp



Top of image to the right

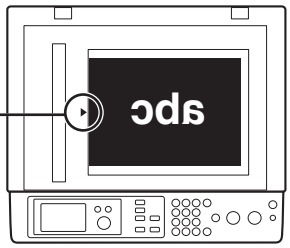
Landscape original

Document feeder tray

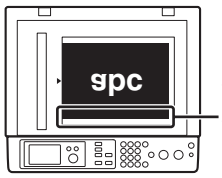


Document glass

Place the original face down in the left centre position of the document glass.



When using the staple sort function, place the original so that the top of the image is toward you.



Top of image toward you

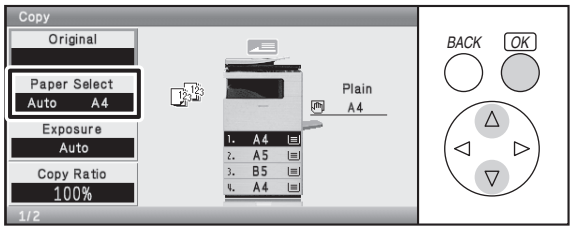
Contents

PAPER TRAYS

The machine is set to automatically select a tray that has the same size of paper as the size of the placed original (automatic paper tray selection).
If the correct paper size is not selected or you wish to change the paper size, you can select the paper tray manually.

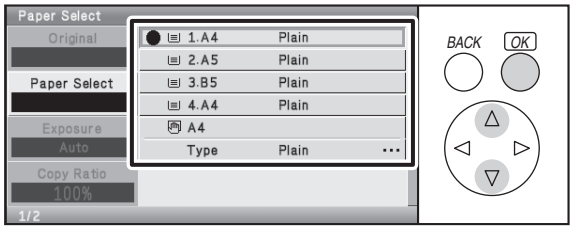
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Paper Select] key.

2



Select the tray that you want to use.

You will return to the base screen and the selected tray will be highlighted.

If the selected tray runs out of paper during a copy job and there is another tray that has the same size and type of paper, that tray will be automatically selected and the copy job will continue.

To return to automatic paper tray selection after selecting a tray manually, press the [CLEAR ALL] key (CA).

System Settings (Administrator): Initial Status Settings (Paper Tray)
Use this setting to change the tray that is selected by default.

Contents

BASIC PROCEDURE FOR MAKING COPIES

This section explains the basic procedures for making copies, including selection of the copy ratio and other copy settings.

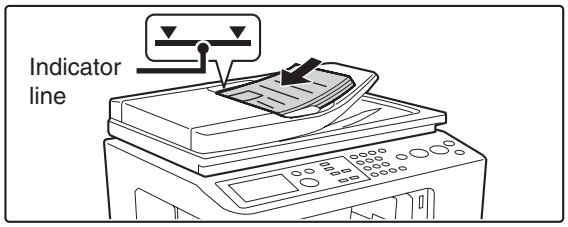
MAKING COPIES

USING THE AUTOMATIC DOCUMENT FEEDER TO MAKE COPIES

This section explains how to make copies (1-sided copies of 1-sided originals) using the automatic document feeder.

Keys in the display can be selected with the arrow keys and the [OK] key.

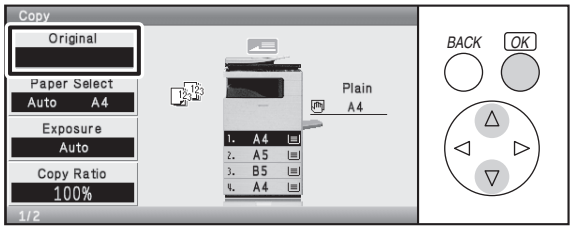
1



Place the originals face up in the document feeder tray with the edges aligned evenly.

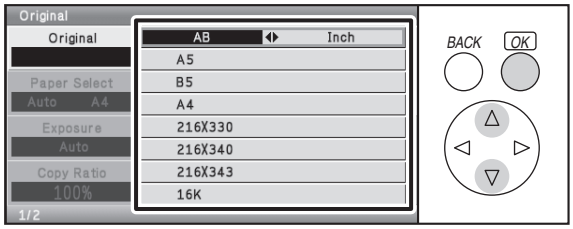
Insert the originals all the way into the document feeder tray. Multiple originals can be placed in the document feeder tray. Place portrait originals so that the top edge enters the feeder first. Place landscape originals so that the left edge enters first. The stack of originals must not be higher than the indicator line on the tray.
Up to 50 sheets can be inserted.

2



Select the [Original] key.

3

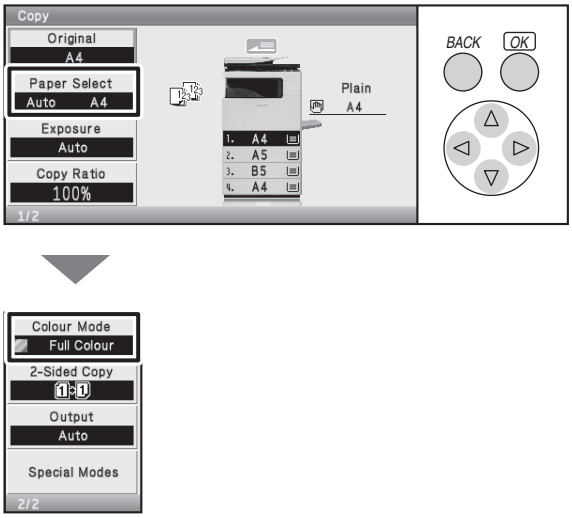


Specify the original size.

When placing an AB (inch) size or non-standard size original, specify the original size as explained in "ORIGINAL SIZES" (page 2-28).

Contents

4



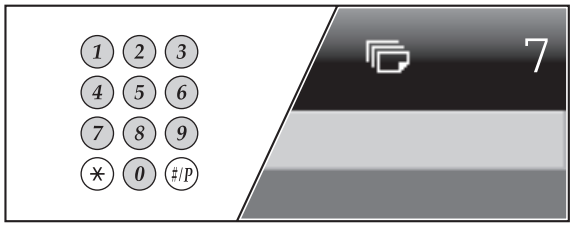
Check the paper to be used and the colour mode.

Make sure that the desired paper (tray) and colour mode are selected.

- To change the paper (tray), select the [Paper Select] key and press the [OK] key.
  ☞ PAPER TRAYS (page 2-9)
- To change the colour mode, select the [Colour Mode] key and press the [OK] key.
  ☞ COLOUR COPY MODES (page 2-21)

For some original size settings, the same size of paper as the original may not be automatically selected. In this case, manually change the paper size.

5



Set the number of copies (number of sets) with the numeric keys.

- Up to 999 copies (sets) can be set.
- A single copy can be made even if "0" appears for the number of copies.

If an incorrect number of copies is set...
Press the [CLEAR] key (Ⓒ) and then enter the correct number.

6

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Even if a colour mode is selected, copying will take place in black and white if the [BLACK & WHITE START] key is pressed.

To cancel scanning of the original and copying...
Press the [STOP] key (⊗).

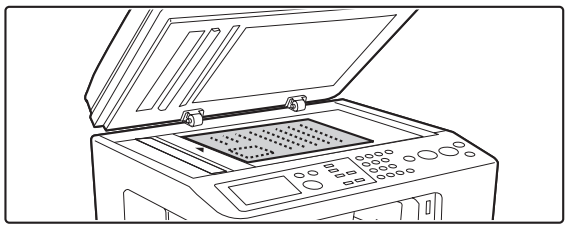
Contents

USING THE DOCUMENT GLASS TO MAKE COPIES

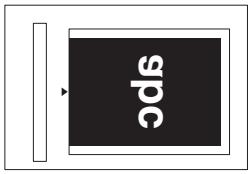
To make a copy of a book or other thick original that cannot be scanned with the automatic document feeder, open the automatic document feeder and place the original on the document glass. This section explains how to make a copy (1-sided copy of a 1-sided original) using the document glass.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

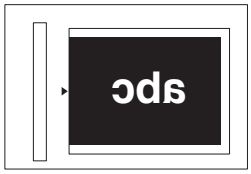


Portrait original



Align the top edge of the original against the side of the document glass with the scale.

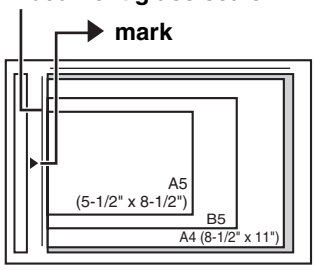
Landscape original



Align the right side of the original against the side of the document glass with the scale.

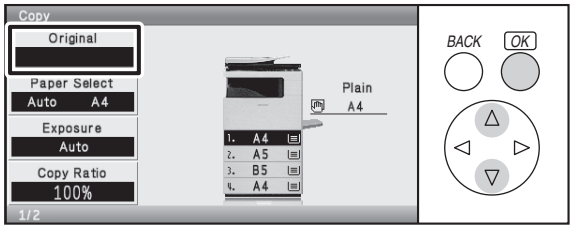
Open the automatic document feeder, place the original face down on the document glass, and then gently close the automatic document feeder.

Document glass scale



- The maximum original size that can be placed on the document glass is A4 (8-1/2" x 11").
- Align the middle of the original with the tip of the ▶ mark.
- Place the original in the appropriate position for its size as shown above.
- After placing the original, be sure to close the automatic document feeder. If left open, parts outside of the original will be copied black, causing excessive use of toner.

2



Select the [Original] key.

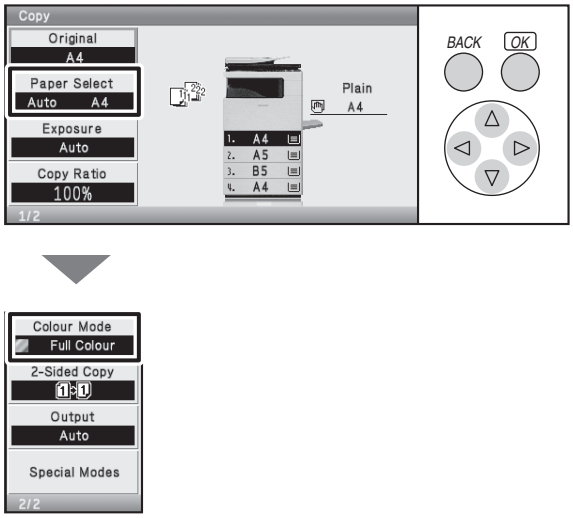
3



Specify the original size.

When placing an AB (inch) size or non-standard size original, specify the original size as explained in "ORIGINAL SIZES" (page 2-28).

4



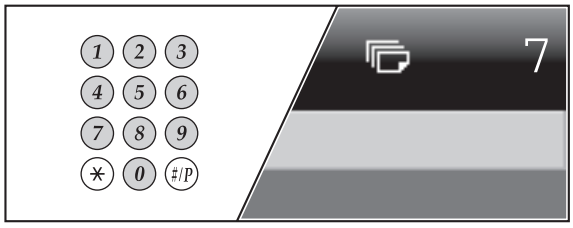
Check the paper to be used and the colour mode.

Make sure that the desired paper (tray) and colour mode are selected.

- To change the paper (tray), select the [Paper Select] key and press the [OK] key.
  ☞ PAPER TRAYS (page 2-9)
- To change the colour mode, select the [Colour Mode] key and press the [OK] key.
  ☞ COLOUR COPY MODES (page 2-21)

For some original size settings, the same size of paper as the original may not be automatically selected. In this case, manually change the paper size.

5



Set the number of copies (number of sets) with the numeric keys.

- Up to 999 copies (sets) can be set.
- A single copy can be made even if "0" appears for the number of copies.

If an incorrect number of copies is set...
Press the [CLEAR] key (Ⓒ) and then enter the correct number.

6

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Normally copying will start.
Depending on the copy settings, copying may not begin until multiple originals have been scanned. In this case, go to the next step.

Even if a colour mode is selected, copying will take place in black and white if the [BLACK & WHITE START] key is pressed.

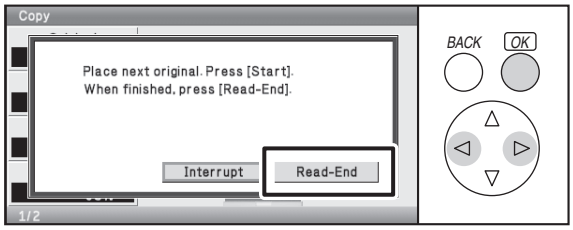
7

Remove the original and place the next original, and then press the [COLOUR START] key or the [BLACK & WHITE START] key.

Repeat this step until all originals have been scanned.
For the second original and following originals, use the same [START] key as you did for the first original.

Contents

8



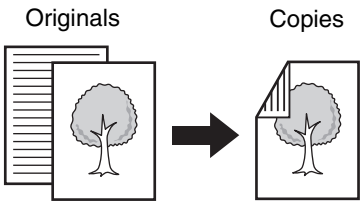
Select the [Read-End] key.

To cancel scanning of the original and copying...
Press the [STOP] key ( ).

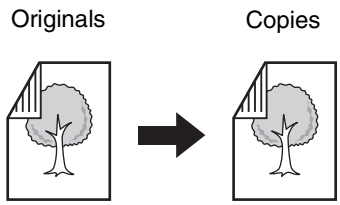
Contents

AUTOMATIC 2-SIDED COPYING

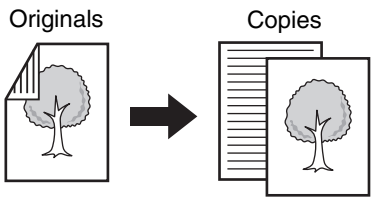
USING THE AUTOMATIC DOCUMENT FEEDER TO MAKE 2-SIDED COPIES



Automatic 2-sided copying of 1-sided originals



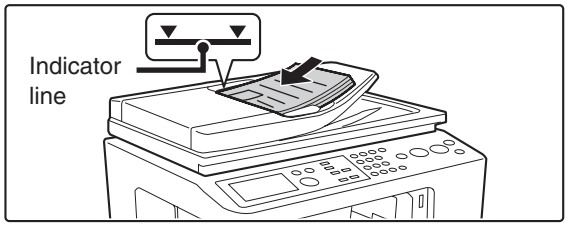
Automatic 2-sided copying of 2-sided originals



1-sided copying of 2-sided originals

Keys in the display can be selected with the arrow keys and the [OK] key.

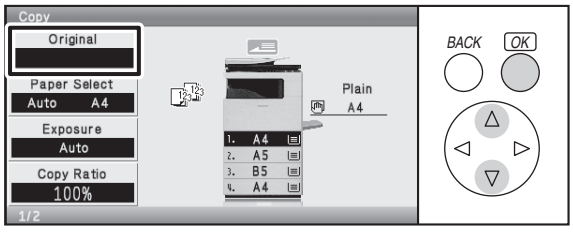
1



Place the originals face up in the document feeder tray with the edges aligned evenly.

Insert the originals all the way into the document feeder tray. Multiple originals can be placed in the document feeder tray. Place portrait originals so that the top edge enters the feeder first. Place landscape originals so that the left edge enters first. The stack of originals must not be higher than the indicator line on the tray.
Up to 50 sheets can be inserted.

2



Select the [Original] key.

3

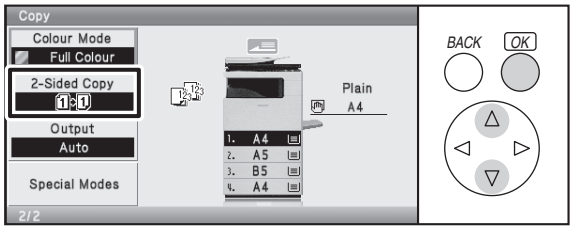


Specify the original size.

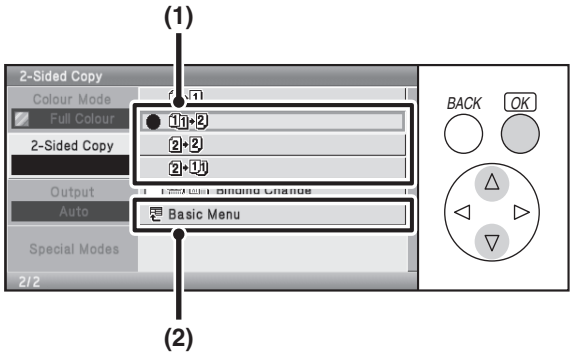
When placing an AB (inch) size or non-standard size original, specify the original size as explained in "ORIGINAL SIZES" (page 2-28).

Contents

4 Select the [2-Sided Copy] key.



5 Select the 2-sided copy mode.



(1) Select the key of the desired mode.

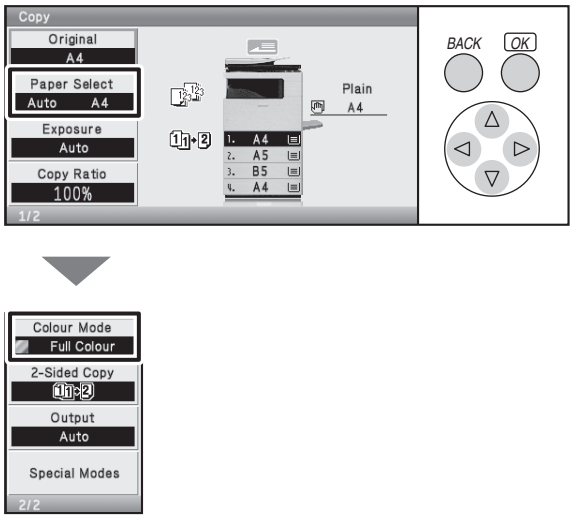
- 1→2 :Automatic 2-sided copying of 1-sided originals
- 2→2 :Automatic 2-sided copying of 2-sided originals
- 2→1 :1-sided copying of 2-sided originals

(2) Select the [Basic Menu] key.

To make 2-sided copies of a 1-sided portrait original placed horizontally, or to invert the reverse side with respect to the front side when copying a 2-sided original, set the [Binding Change] checkbox to ☑.

☞ Using the [Binding Change] checkbox (page 2-17)

6 Check the paper to be used and the colour mode.

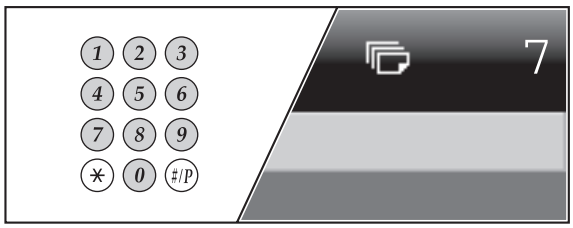


Make sure that the desired paper (tray) and colour mode are selected.

- To change the paper (tray), select the [Paper Select] key and press the [OK] key.
  ☞ PAPER TRAYS (page 2-9)
- To change the colour mode, select the [Colour Mode] key and press the [OK] key.
  ☞ COLOUR COPY MODES (page 2-21)

For some original size settings, the same size of paper as the original may not be automatically selected. In this case, manually change the paper size.

7



Set the number of copies (number of sets) with the numeric keys.

- Up to 999 copies (sets) can be set.
- If you are only making a single copy, the copy can be made with the copy number display showing "0".

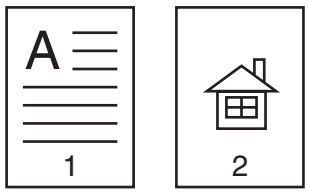
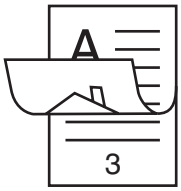
If an incorrect number of copies is set...
Press the [CLEAR] key (C) and then enter the correct number.

8

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

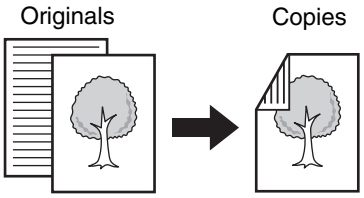
To cancel scanning of the original and copying...
Press the [STOP] key ( ).

Using the [Binding Change] checkbox

Originals	Binding Change is used	Binding Change is not used
	 The reverse side is upside down.	 The reverse side is not upside down.
	 Select this when the pages will be bound into a tablet.	 Select this when the pages will be bound into a booklet.

Contents

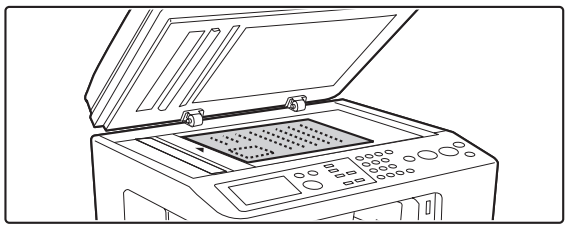
USING THE DOCUMENT GLASS TO MAKE 2-SIDED COPIES



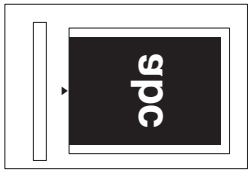
Automatic 2-sided copying of 1-sided originals

Keys in the display can be selected with the arrow keys and the [OK] key.

1

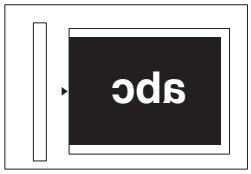


Portrait original



Align the top edge of the original against the side of the document glass with the scale.

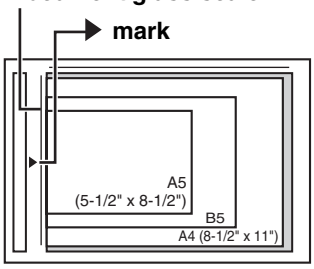
Landscape original



Align the right side of the original against the side of the document glass with the scale.

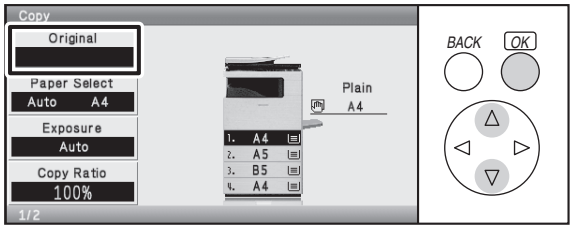
Open the automatic document feeder, place the original face down on the document glass, and then gently close the automatic document feeder.

Document glass scale



- The maximum original size that can be placed on the document glass is A4 (8-1/2" x 11").
- Align the middle of the original with the tip of the ▶ mark.
- Place the original in the appropriate position for its size as shown above.
- After placing the original, be sure to close the automatic document feeder. If left open, parts outside of the original will be copied black, causing excessive use of toner.

2



Select the [Original] key.

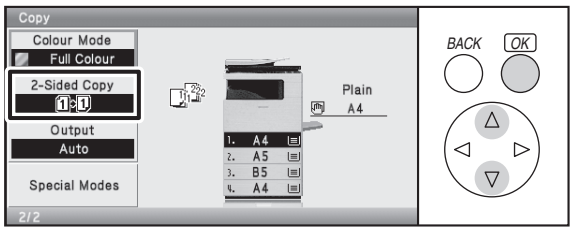
Contents

3 Specify the original size.

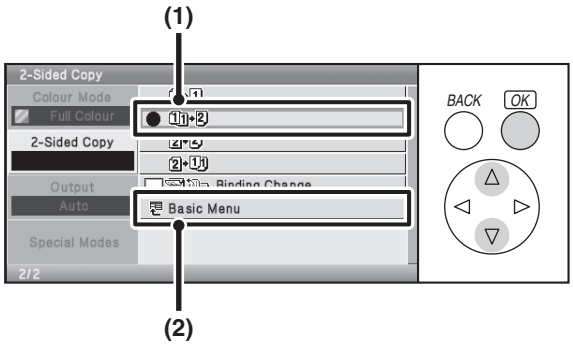


When placing an AB (inch) size or non-standard size original, specify the original size as explained in "ORIGINAL SIZES" (page 2-28).

4 Select the [2-Sided Copy] key.



5 Select the 2-sided copy mode.

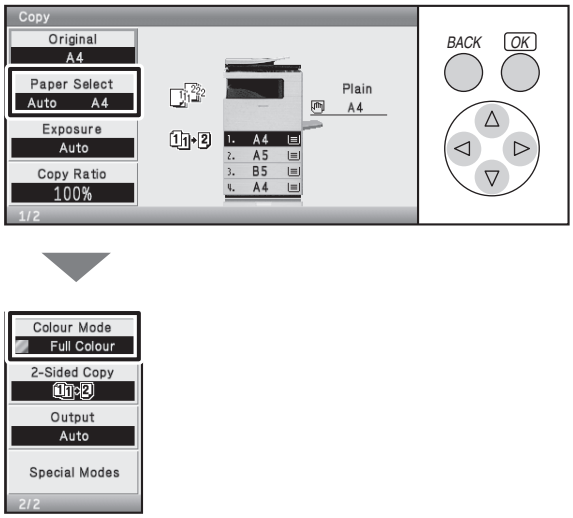


(1) Select the [1-Sided to 2-Sided] key.

(2) Select the [Basic Menu] key.

The [2-Sided to 2-Sided] key and [2-Sided to 1-Sided] key cannot be used when copying from the document glass.

6 Check the paper to be used and the colour mode.



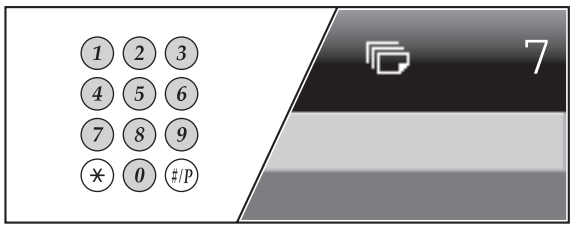
Make sure that the desired paper (tray) and colour mode are selected.

- To change the paper (tray), select the [Paper Select] key and press the [OK] key.
  ☞ PAPER TRAYS (page 2-9)
- To change the colour mode, select the [Colour Mode] key and press the [OK] key.
  ☞ COLOUR COPY MODES (page 2-21)

For some original size settings, the same size of paper as the original may not be automatically selected. In this case, manually change the paper size.

Contents

7 Set the number of copies (number of sets) with the numeric keys.



- Up to 999 copies (sets) can be set.
- A single copy can be made even if "0" appears for the number of copies.

If an incorrect number of copies is set...
Press the [CLEAR] key (C) and then enter the correct number.

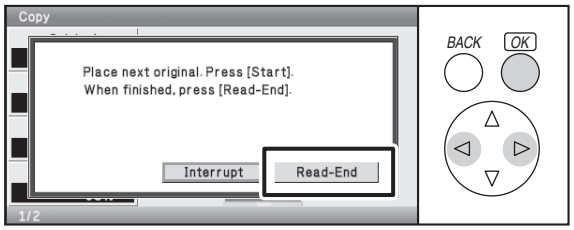
8 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

9 Remove the original and place the next original, and then press the [COLOUR START] key or the [BLACK & WHITE START] key.

Repeat this step until all originals have been scanned.
For the second original and following originals, use the same [START] key as you did for the first original.

10 Select the [Read-End] key.



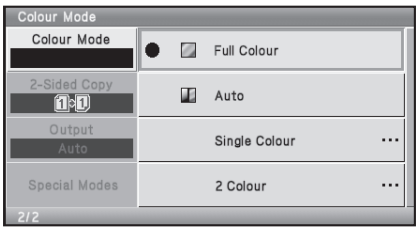
To cancel scanning of the original and copying...
Press the [STOP] key ( ).

System Settings (Administrator): Initial Status Settings (2-Sided Copy)
The default 2-sided copy mode can be changed.

Contents

COLOUR COPY MODES

The colour mode of the [COLOUR START] key is normally set to [Full Colour] so that copying takes place in full colour mode when the [COLOUR START] key is pressed. If colour originals are mixed together with black & white originals, set the colour mode to [Auto] to have the colour mode change appropriately for each original.
Select the [Colour Mode] key in the base screen to open the following screen.



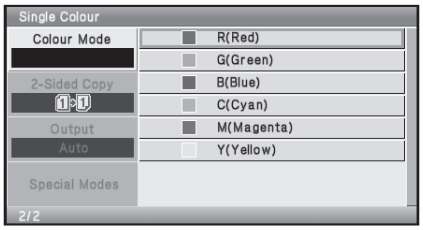
Select the key of the desired colour mode.

Full Colour	The original is copied in full colour.
Auto	The machine automatically detects whether each original is colour or black & white and switches the mode appropriately (full colour for a colour original or black & white for a black & white original).
Single Colour	The original is copied in the selected colour only. All colours in the original are changed to the selected colour, which can be selected from red, green, blue, cyan, magenta, or yellow.
2 Colour	Only the red areas of the original are changed to the selected colour; colours other than red are copied in black. This lets you make copies that are more expressive than black and white copies. Red, green, blue, cyan, magenta, or yellow can be selected.

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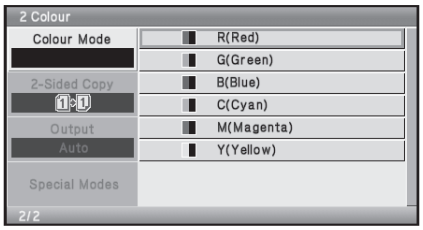
Selecting single colour copying

When [Single Colour] is selected for the colour mode, the following screen appears. Select the desired colour.



Selecting 2 colour copying

When [2 Colour] is selected for the colour mode, the following screen appears. Select the desired colour.



- When auto mode is used, there may be some originals for which switching between colour and black & white does not take place correctly. In this event, press the [COLOUR START] key or the [BLACK & WHITE START] key as appropriate to manually switch between colour and black & white.
- Copying takes place in black & white when the [BLACK & WHITE START] key is pressed, regardless of the colour mode setting.

System Settings (Administrator): Initial Status Settings (Colour Mode)
This is used to change the default colour mode setting.
System Settings (Administrator): Detect Standard in Auto Colour Mode (Web page only)
When the colour mode is set to auto, the discrimination point for detecting whether originals are colour or black and white can be set to one of 5 levels.

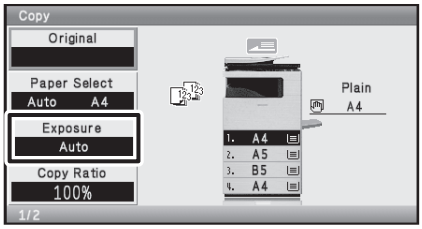
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CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE

The exposure and original image type can be selected to obtain a clear copy.

AUTOMATIC ADJUSTMENT OF THE EXPOSURE AND ORIGINAL TYPE

Automatic exposure adjustment operates by default to automatically adjust the exposure level and original type as appropriate for the original being copied. ("Auto" is displayed.)
This function automatically adjusts the image during black & white copying and full colour copying to obtain the most suitable copy.



MANUAL ADJUSTMENT OF THE EXPOSURE AND ORIGINAL TYPE

If you wish to select the original type or manually adjust the exposure, select the [Exposure] key in the base screen of copy mode and follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the original image type.

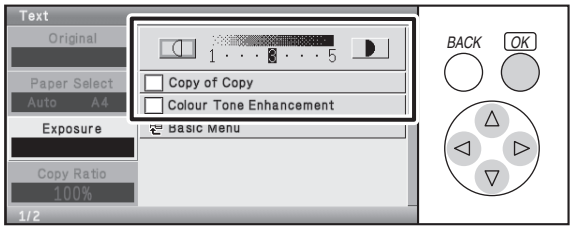
Select the appropriate original image type key for the original.

● **Original image type select keys**

Mode	Description
Text	Use this mode for regular text documents.
Text/Prtd. Photo	This mode provides the best balance for copying an original which contains both text and printed photographs, such as a magazine or catalogue.
Text/Photo	This mode provides the best balance for copying an original which contains both text and photographs, such as a text document with a photo pasted on.
Printed photo	This mode is best for copying printed photographs, such as photos in a magazine or catalogue.
Photo	Use this mode to copy photos.
Map	This mode is best for copying the light colour shading and fine text found on most maps.
Light Original	Use this mode for originals with light pencil writing.

Contents

2



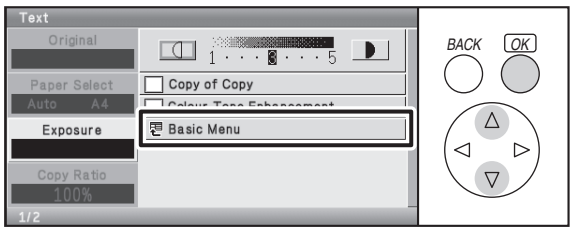
Adjust the exposure level.

To make the copy darker, select the key and press the [OK] key.
To make the copy lighter, select the key and press the [OK] key.

- **Using a copy or printed page as an original**
  When using a copy or printed page from the machine as an original, set the [Copy of Copy] checkbox to ☑.
  When [Copy of Copy] is selected, only the [Text], [Text/Printed Photo], and [Printed Photo] original image type keys can be selected.
- **To enhance the colour of a colour copy...**
  Set the [Colour Tone Enhancement] checkbox to ☑.

- **Guidelines for the exposure level when [Text] is selected:**
  1 to 2: Dark originals such as a newspaper
  3: Normal density originals
  4 to 5: Originals written in pencil or light coloured text
- **Restrictions when Colour Tone Enhancement is selected**
  When "Colour Tone Enhancement" is selected, the following functions cannot be used:
  - [Copy of Copy]
  - [Auto] and [Light Original] cannot be selected for the original image type.
  - [Intensity] (in the special modes)

3



Select the [Basic Menu] key.

- **If [Auto] is selected but the darkness or lightness of the image does not seem quite right...**
  If the image seems too light or too dark when [Auto] is selected, the exposure level can be adjusted using "Copy Exposure Adjustment" in the system settings (administrator).
- **To change the resolution...**
  When making a full-size copy, you can select the [Scan Resolution] key to select the scanning resolution. The numbers that allow selection of the document glass are different from the numbers that allow selection of the automatic document feeder.

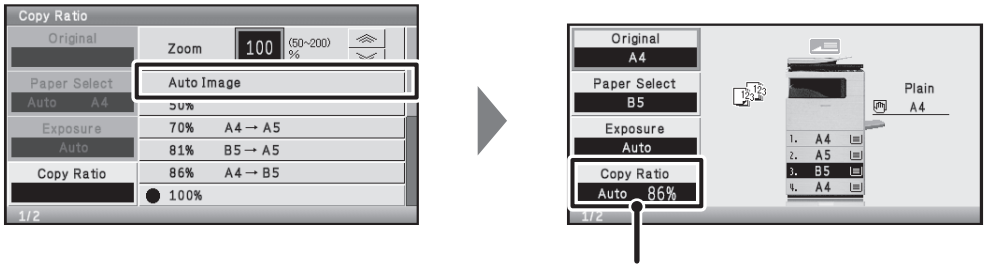
- **System Settings (Administrator): Initial Status Settings (Exposure Type)**
  This is used to change the default original image type.
- **System Settings (Administrator): Copy Exposure Adjustment**
  The exposure level used for automatic exposure adjustment can be adjusted.
- **System Settings (Administrator): Colour 600dpi x 600dpi Scanning Mode for Document Feeder / Colour Quick Scan from Document Glass / B/W 600dpi x 600dpi Scanning Mode for Document Feeder / B/W Quick Scan from Document Glass**
  The default resolution setting can be changed.

Contents

REDUCTION/ENLARGEMENT/ZOOM

AUTOMATIC RATIO SELECTION (Auto Image)

This section explains the automatic ratio selection function (Auto Image), which automatically selects the ratio to match the paper size.
To have the appropriate enlargement/reduction ratio for the original size and selected paper size automatically selected, select the [Copy Ratio] key in the base screen of copy mode, and then select the [Auto Image] key.
Select the [Auto Image] key after you have selected the original size and the desired paper size. Press the [BACK] key to return to the base screen.



The selected ratio will appear in the ratio display.

For a non-standard size original, the size must be entered in order to use Auto Image.

- **To cancel automatic ratio selection...**
  To cancel automatic ratio selection, select the [Copy Ratio] key to display the ratio menu and then select the [Auto Image] key.
- **To return the ratio to 100%...**
  To return the ratio setting to 100%, select the [Copy Ratio] key to display the ratio menu and then select the [100%] key.

System Settings (Administrator): Initial Status Settings (Copy Ratio)
This is used to change the default copy ratio.

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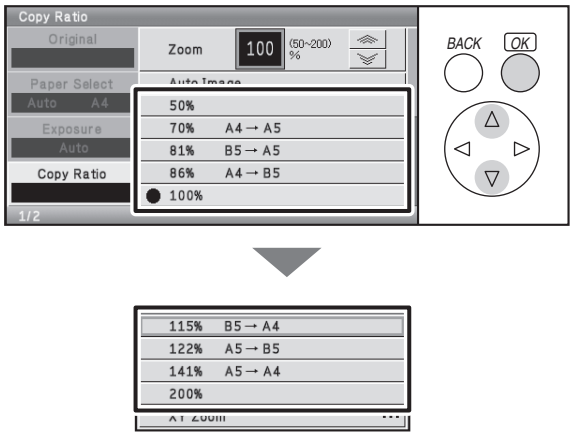
MANUAL RATIO SELECTION (Preset ratios/Zoom)

Select the [Copy Ratio] key in the base screen of copy mode to select one of four (two) preset enlargement ratios or four (three) preset reduction ratios (maximum 200%, minimum 50%).
In addition, the zoom keys can be used to select any ratio from 50% to 200% in increments of 1%.

Keys in the display can be selected with the arrow keys and the [OK] key.

Set the ratio.

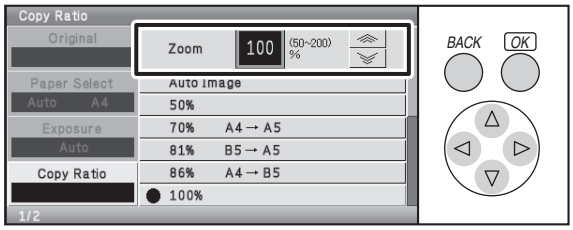
Select a preset ratio key and/or the zoom keys to set the ratio.



● Setting a preset ratio

- Enlargement keys:
  115%, 122%, 141% and 200% (for the AB system).
  129% and 200%(for the inch system).
- Reduction keys:
  50%, 70%, 81% and 86% (for the AB system).
  50%, 64% and 77% (for the inch system).
- [100%] key

Select the desired preset ratio.
You will return to the base screen.
Make sure that a paper size suitable for the ratio is selected.



● Setting any ratio

Select the zoom key number display and press the [OK] key. A number entry screen will appear.
Enter the desired number with the numeric keys and select the [OK] key in the number entry screen. A ratio from 50% to 200% can be selected in increments of 1%.
Press the [BACK] key.
You will return to the base screen.
Make sure that a paper size suitable for the ratio is selected.

- Preset ratios (two enlargement ratios and two reduction ratios) can be set in "Add or Change Extra Preset Ratios" in the system settings (administrator).
- You can also change the number with the keys.
  To increase the ratio, select the key and press the [OK] key. To decrease the ratio, select the key and press the [OK] key. (To make the ratio change continuously, hold down the [OK] key after selecting the key. If you continue to hold down the [OK] key for more than 3 seconds, the ratio will start changing quickly.)
- If the message "Image is larger than the copy paper." appears when an enlargement ratio is selected, the image may not fit on the paper.

When the automatic document feeder is used, the vertical and horizontal ratio selection ranges are both 50% to 200%.

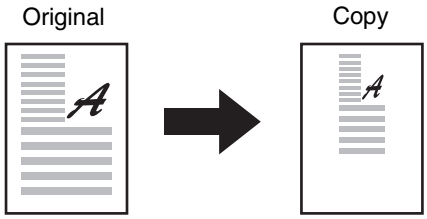
To return the ratio to 100%...
To return the ratio setting to 100%, select the [Copy Ratio] key to display the ratio menu and then select the [100%] key.

System Settings (Administrator): Add or Change Extra Preset Ratios
Two enlargement preset ratios (101% to 200%) and two reduction preset ratios (50% to 99%) can be added. An added preset ratio can also be changed.

ENLARGING/REDUCING THE LENGTH AND WIDTH SEPARATELY (XY Zoom)

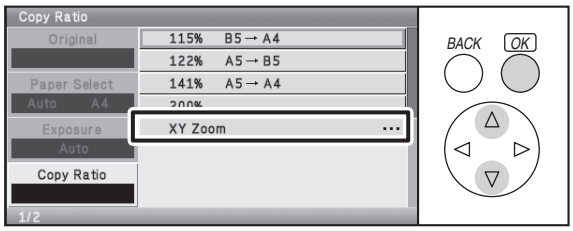
The XY Zoom feature allows the horizontal and vertical copy ratios to be changed separately. Both the horizontal and vertical ratios can be set from 50% to 200% in increments of 1%. Select the [Copy Ratio] key in the base screen of copy mode and then follow the steps below.

When 50% is selected for the horizontal ratio and 70% is selected for the vertical ratio



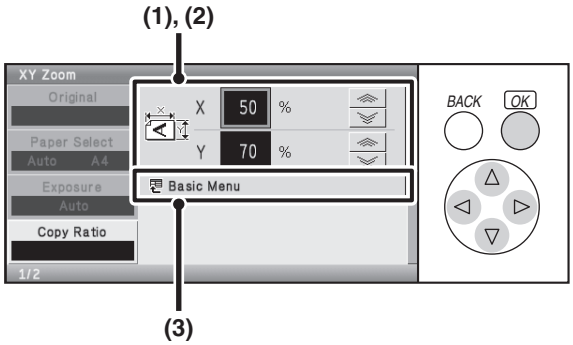
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [XY Zoom] key.

2



Set the horizontal and vertical ratios.

(1) Set the X (horizontal) ratio.

Select the number display of the X (horizontal) ratio and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
A ratio from 50% to 200% can be selected in increments of 1%.

(2) Set the Y (vertical) ratio.

Set the Y (vertical) ratio in the same way as the X (horizontal) ratio.

(3) Select the [Basic Menu] key.

You will return to the base screen.
Make sure that a paper size suitable for the ratio is selected.

You can also change the number with the keys. Select the key of the direction you wish to change and press the [OK] key.
To increase the ratio, select the key and press the [OK] key. To decrease the ratio, select the key and press the [OK] key. (To make the ratio change continuously, hold down the [OK] key after selecting the key. If you continue to hold down the [OK] key for more than 3 seconds, the ratio will start changing quickly.)

When the automatic document feeder is used, the vertical and horizontal ratio selection ranges are both 50% to 200%.

To return the ratio to 100%...
To return the ratio setting to 100%, select the [Copy Ratio] key to display the ratio menu and then select the [100%] key.

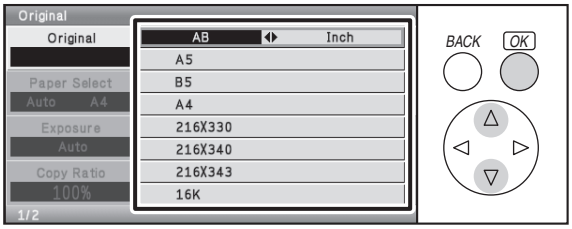
Contents

ORIGINAL SIZES

SPECIFYING THE ORIGINAL SIZE

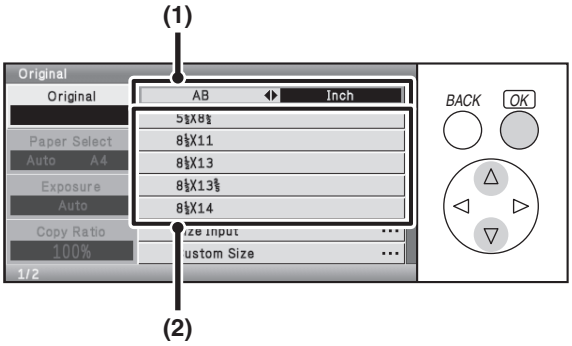
The original size is set in "Default original size setting" in the system settings (administrator), and the setting appears in the [Original] key. This section explains the procedure for specifying the setting when the original size is different from size shown in the [Original] key.
Select the [Original] key and perform the following.

Specifying an AB original size



Select the appropriate original size key.

Specifying an inch original size



(1) Select the [AB ⬍ Inch] key.

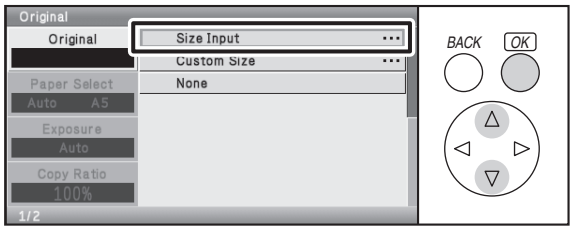
(2) Select the appropriate original size key.

System Settings (Administrator): Default original size setting (Web page only)
Set this if you frequently use a particular original size. The set size will appear in the [Original] key.
When this setting is configured, changing the original size can be omitted.

Specifying a non-standard original size

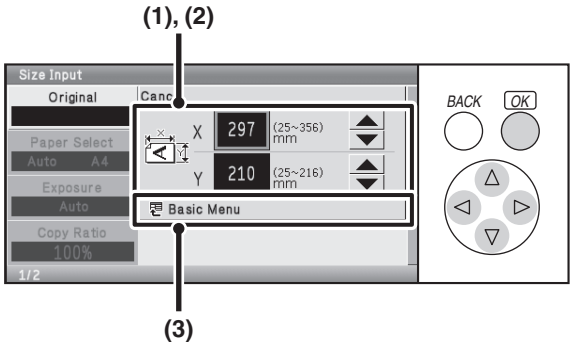
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Size Input] key.

2



Enter the original size.

(1) Enter the X (horizontal) dimension of the original.

Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 297 mm (1" to 11-5/8") can be entered.
- When the automatic document feeder is used, a number from 89 mm to 356 mm (3-1/2" to 14") can be entered.
- When a number which is from 139 mm (5-3/8") and less is entered in 2-Sided copy mode, an original cannot be scanned.
- If the horizontal dimension of the original is less than 89 mm (3-1/2"), use the document glass.

(2) Enter the Y (vertical) dimension of the original.

Select the Y (height) number display and press the [OK] key. A number entry screen will appear. Enter the height of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 216 mm (1" to 8-1/2") can be entered.
- When the automatic document feeder is used, a number from 125 mm to 216 mm (5" to 8-1/2") can be entered.
- If the vertical dimension of the original is less than 100 mm (4"), use the document glass.

(3) Select the [Basic Menu] key.

You will return to the base screen.
Make sure that the entered dimensions appear in the [Original] key.

- When a number from 298 mm to 356 mm (11-3/4" to 14") to the X (horizontal) dimension and a number from 25 mm to 99 mm (1" to 3-7/8") to the Y (vertical) dimension are entered at the same time, an original cannot be scanned.
- You can also select the ▼ ▲ keys to change the number.

To cancel the size input...
To cancel the size input, select the [Cancel] key.

Contents

STORING FREQUENTLY USED ORIGINAL SIZES

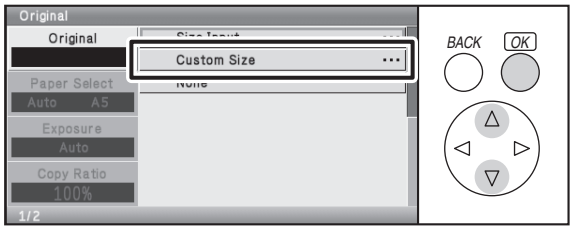
You can save special original sizes that you frequently use. This section explains how to store, retrieve, change, and delete special original sizes.

Storing original sizes (editing/clearing)

Up to 12 special original sizes can be stored.
Select the [Original] key in the base screen of copy mode and then follow the steps below.

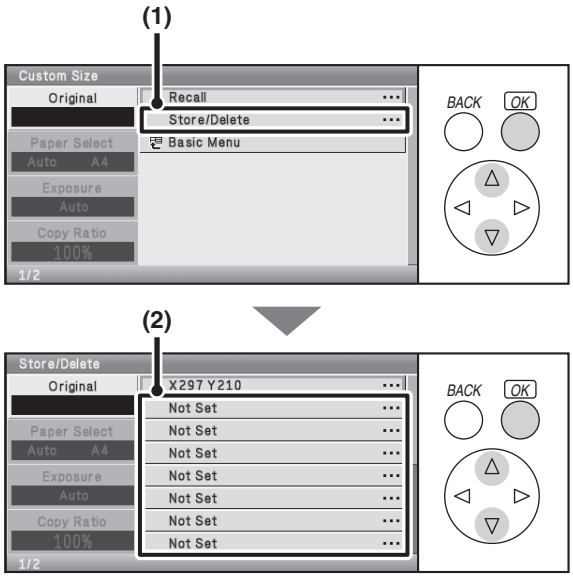
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Custom Size] key.

2



Store the original size.

(1) Select the [Store/Delete] key.

(2) Select the [Not Set] key.

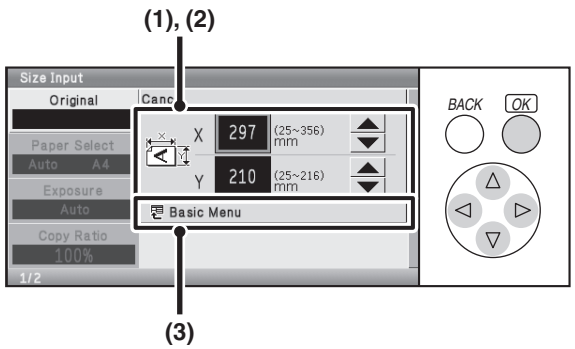
If you wish to edit or clear a previously stored key...
Select the key that you want to edit or clear. The following screen will appear.



- To edit the key, select the [Amend] key and go to the next step.
- To clear the key, select the [Delete] key. Make sure that the original size has been cleared and press the [BACK] key.

Contents

3



Enter the original size.

(1) Enter the X (horizontal) dimension of the original.

Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the original with the numeric keys, and select the [OK] key in the number entry screen. A dimension from 25 mm to 356 mm (1" to 14") can be entered.

(2) Enter the Y (vertical) dimension of the original.

Select the Y (height) number display and press the [OK] key. A number entry screen will appear. Enter the height of the original with the numeric keys, and select the [OK] key in the number entry screen. A dimension from 25 mm to 216 mm (1" to 8-1/2") can be entered.

(3) Select the [Basic Menu] key.

You can also select the ▼ ▲ keys to change the number.

The stored original size will be retained even if the main power is turned off.

To cancel the operation...
Press the [CLEAR ALL] key (CA).

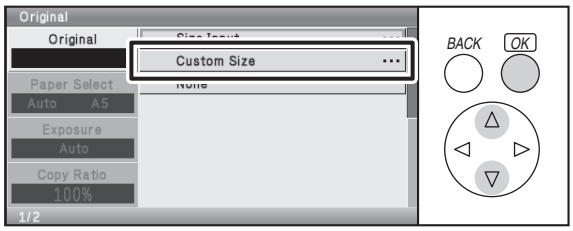
Contents

Retrieving a stored original size

To retrieve a stored original size, select the [Original] key in the base screen of copy mode and perform the steps below.

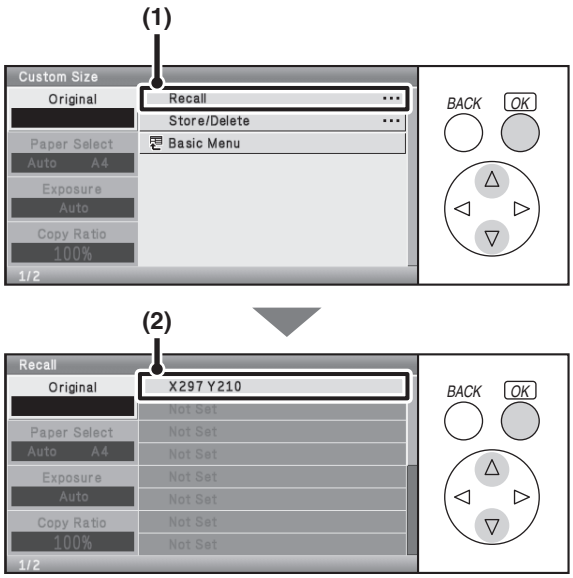
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Custom Size] key.

2



Retrieve the desired stored original size.

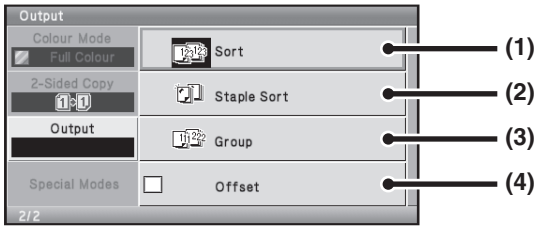
(1) Select the [Recall] key.

(2) Select the key of the original size that you wish to retrieve.

To cancel the operation...
Press the [CLEAR ALL] key (CA).

OUTPUT

To select output functions and the output tray, select the [Output] key in the base screen of copy mode. Output functions that can be selected are sort, group, offset, and staple sort. All explanations of the settings below assume that a finisher is installed. When a output function is selected, an icon that shows the output status will appear in the output display (page 2-4) of the base screen.



(1) [Sort] key

This is used to sort (collate) output into sets.

☞ Sort mode (page 2-34)

(2) [Staple Sort] key

This is used to sort output into sets, staple each set, and deliver the sets to the tray. (Note that the sets will not be offset in the output tray.)

☞ Staple sort function (page 2-35)

(3) [Group] key

This is used to group copies by page.

☞ Group mode (page 2-34)

(4) [Offset] checkbox

This is used to offset each set of output from the previous set.

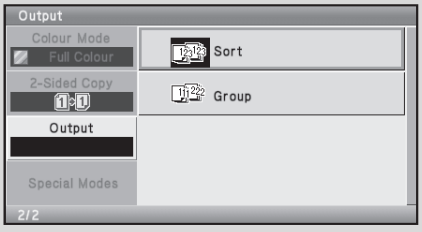
The offset function operates when the checkbox is selected ☑ and does not operate when the checkbox is not selected ☐. (The offset checkmark is automatically cleared when the staple sort function is selected.)

☞ Offset function (page 2-34)

The above screen shows the keys that appear when a finisher is installed.
In addition, it may not be possible to select some keys depending what peripheral devices are installed. If different from the above screen, refer to the screen below.

Example

The screen when a finisher is not installed.



Contents

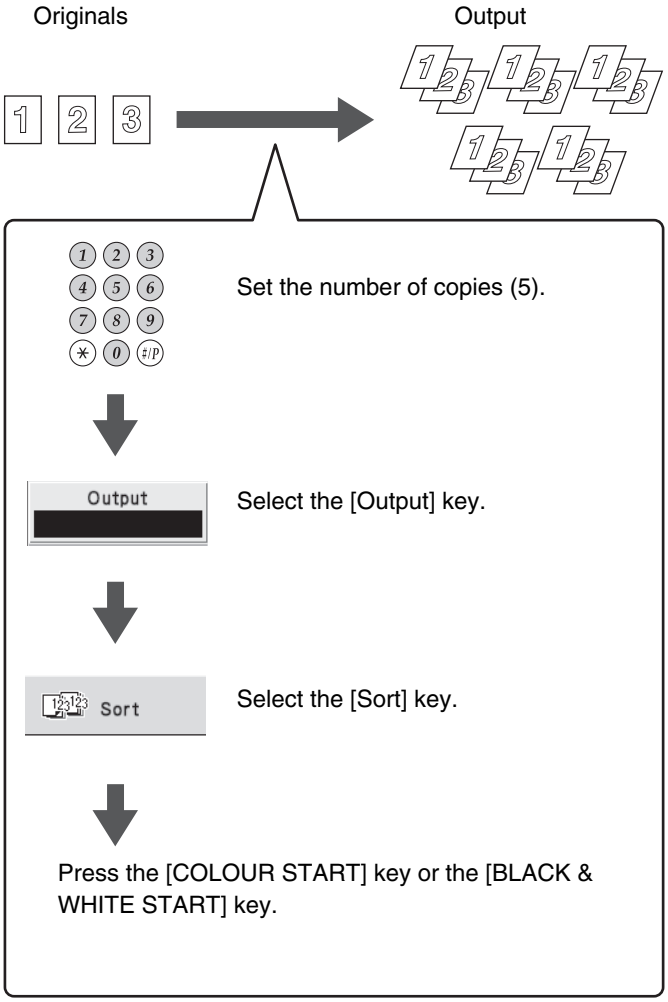
OUTPUT MODES

This section explains the output modes.

Sort mode

This is used to sort (collate) output into sets.

Example: Sorting the output into 5 sets

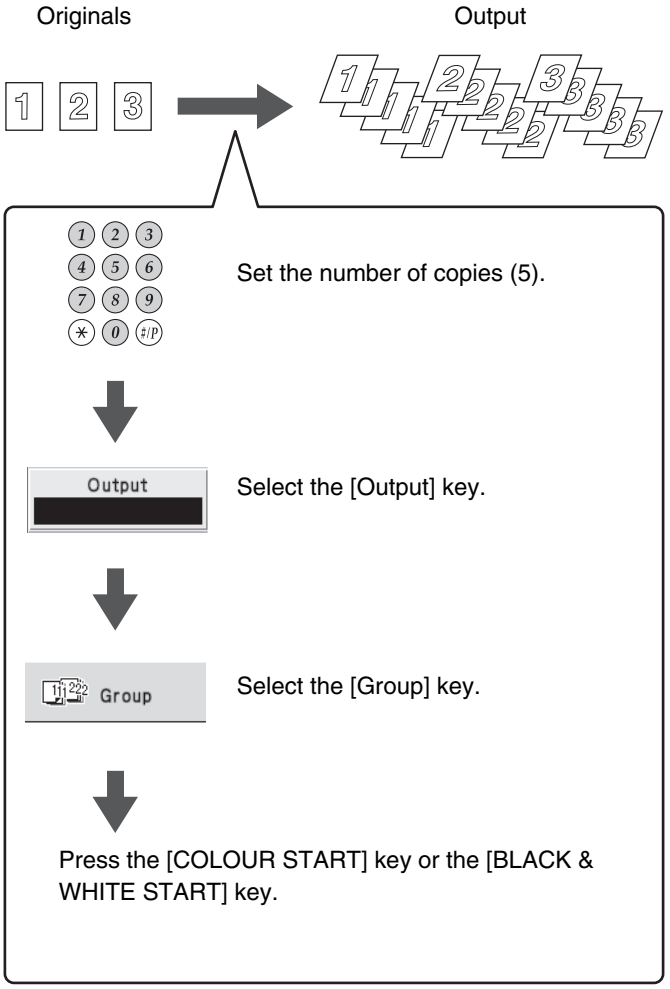


The sort function is automatically selected when originals are placed in the automatic document feeder.

Group mode

This function groups copies by page.

Example: Groups of 5 copies of each page

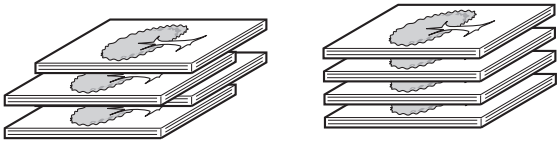


The group function is automatically selected when an original is placed on the document glass.

Offset function

This function offsets each set of copies from the previous set in the output tray, making it easy to separate sets of copies.

Offset function "ON" Offset function "OFF"



In the following cases, the offset function cannot be selected:

- When A5 (5-1/2" x 8-1/2") size paper is selected.
- When the staple sort function is selected.

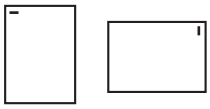
Contents

Staple sort function

The staple sort function sorts output into sets, staples each set, and delivers the sets to the tray.
The relations between the stapling positions, paper orientation, permitted paper sizes for stapling, and number of sheets that can be stapled are shown below.
For original placement orientations, see "Original placement orientation" (page 2-35).

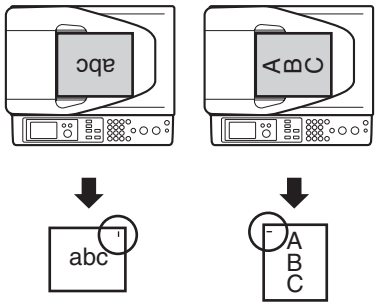
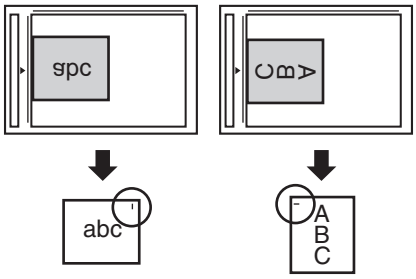


Staple sort

Stapling positions	Paper
	**Applicable paper sizes** A4, B5, 8-1/2" x 14", 8-1/2" x 13-1/2", 8-1/2" x 13-2/5", 8-1/2" x 13", 8-1/2" x 11", 7-1/4" x 10-1/2", 16K **Number of sheets that can be stapled** Max. 30 sheets

Original placement orientation

When using the staple sort function, the original must be placed as shown below to enable stapling in the desired position on the paper.

Document feeder tray	Document glass
	

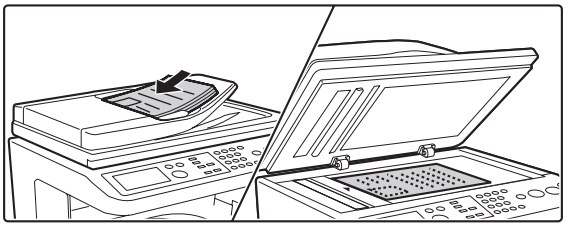
Contents

MAKING COPIES USING THE BYPASS TRAY

In addition to plain paper, the bypass tray allows you to make copies on transparency film, envelopes, and other special media.
For detailed information on paper that can be loaded in the bypass tray, see "IMPORTANT POINTS ABOUT PAPER" (page 1-40) in "1. BEFORE USING THE MACHINE". For precautions when loading paper in the bypass tray, see "LOADING PAPER IN THE BYPASS TRAY" (page 1-45) in "1. BEFORE USING THE MACHINE".

Keys in the display can be selected with the arrow keys and the [OK] key.

1

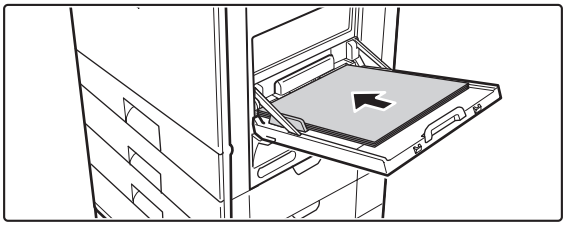


Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

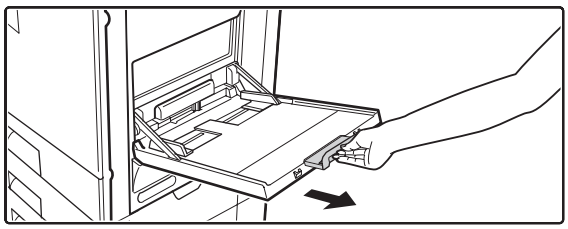
When placing the originals on the document glass...
After placing the original, be sure to close the automatic document feeder. If left open, parts outside of the original will be copied black, causing excessive use of toner.

2



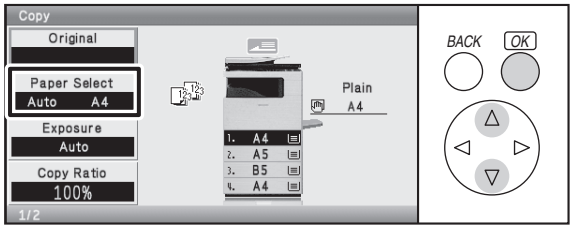
Place paper in the bypass tray.

Insert the paper with print side face down.



When loading paper larger than A4 or 8-1/2" x 11", be sure to pull out the bypass tray extension. Pull the bypass tray extension all the way out. If the bypass tray extension is not pulled all the way out, the size of the loaded paper will not be correctly displayed.

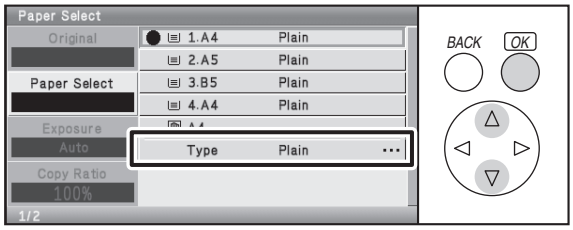
3



Select the [Paper Select] key.

Contents

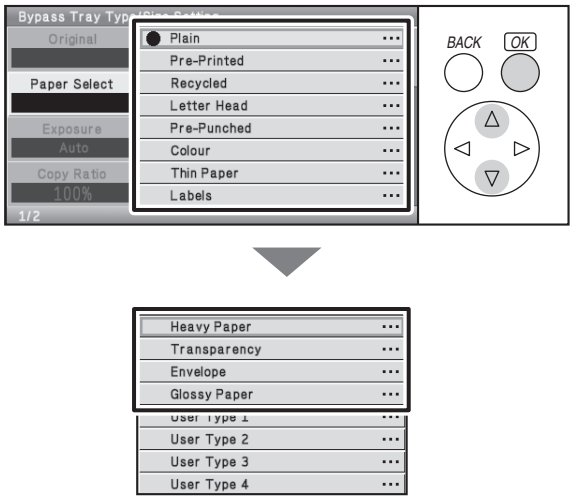
4



Check the paper type setting for the bypass tray. If you need to change the setting, select the paper type key.

If you do not need to change the paper size and type, go to step 7.

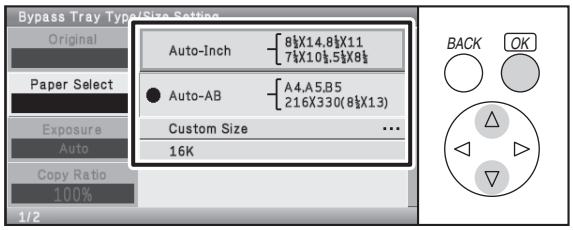
5



Select the type of paper used in the bypass tray.

Select the paper type that you will use.

6



Select the paper size.

[Auto-Inch] key

When the paper placed in the bypass tray is an inch size (8-1/2" x 11", etc.), the paper size will be detected automatically and an appropriate size set.

[Auto-AB] key

When the paper inserted in the bypass tray is an AB size (A4, etc.), the paper size will be detected automatically and an appropriate size set.

[Custom Size] key

Select this key if you wish to enter numeric values for the size of the loaded paper.

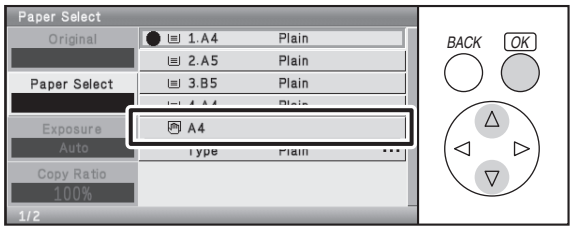
☞ Enter the paper size of the bypass tray (page 2-38)

[16K] key

Select when the size of the paper placed in the bypass tray is 16K.

When [Envelope] is selected, specify the size of the envelope.

7



Select the bypass tray.

Contents

8 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

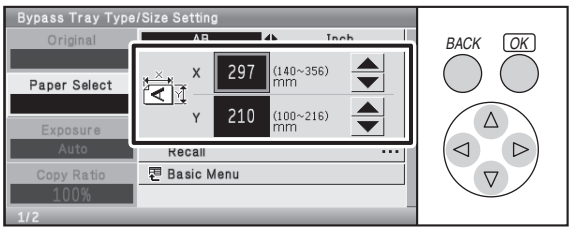
Scanning begins.

- If the originals were placed in the document feeder tray, the originals are copied.
- If you placed the originals on the document glass, scan each page one page at a time.
  When using sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning of the original and copying...
Press the [STOP] key ( ).

Enter the paper size of the bypass tray

When the [Custom Size] key is selected, the paper size entry screen appears.



Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the paper with the numeric keys, and select the [OK] key in the number entry screen.
Select the Y (height) number display and press the [OK] key. A number entry screen will appear. Enter the height of the paper with the numeric keys, and select the [OK] key in the number entry screen.

- You can also change the number with the ▼ ▲ keys.
- A stored custom paper size can be selected. Custom paper sizes are stored in the system settings. For details, see "Paper Tray Settings" (page 6-13) in "6. SYSTEM SETTINGS". To display the custom paper sizes that have been stored, select the [Recall] key in the paper size entry screen. If the key for the size that you wish to enter appears, select that key.

Contents

SPECIAL MODES

This section explains Margin Shift, Erase, and other special modes.

SPECIAL MODES

When the [Special Modes] key in the base screen is selected and press the [OK] key , the special modes menu screen appears. The special modes menu consists of four screens. Press the ▽ △ keys to move between the screens. After selecting special mode settings, press the [BACK] key in the special modes menu screen to complete the settings and return to the base screen of copy mode.

Special modes menu (1st screen)



(1) [Function Review] key*1

Select this to check the special mode settings.

(2) [2in1] key

☞ COPYING TWO ORIGINAL PAGES ONTO ONE SHEET (2in1) (page 2-55)

(3) [Card Shot] key

☞ COPYING BOTH SIDES OF A CARD ON ONE SHEET OF PAPER (Card Shot) (page 2-43)

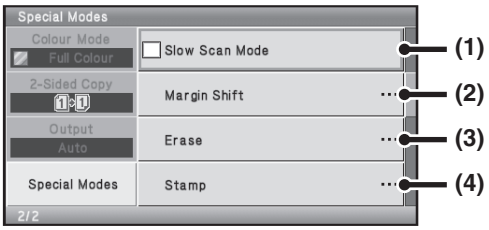
(4) [Bus. Card Scan] key*2

☞ COPYING MULTIPLE BUSINESS CARDS (Business Card Scan) (page 2-46)

*1 This cannot be selected when a special mode has not been enabled.

*2 To use this function, the business card feeder must be attached to the automatic document feeder and "Business Card Scan Option" must be enabled in the system settings (administrator). For the attachment procedure, see "BUSINESS CARD FEEDER" in "1. BEFORE USING THE MACHINE" (page 1-55).

Special modes menu (2nd screen)



(1) [Slow Scan Mode] checkbox

☞ COPYING THIN ORIGINALS (Slow Scan Mode) (page 2-48)

(2) [Margin Shift] key

☞ ADDING MARGINS (Margin Shift) (page 2-50)

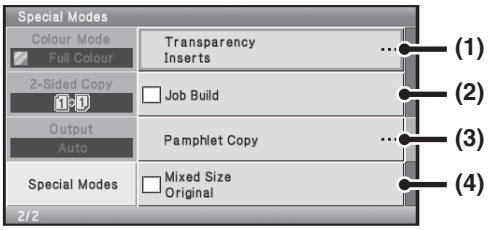
(3) [Erase] key

☞ ERASING PERIPHERAL SHADOWS (Erase) (page 2-52)

(4) [Stamp] key

☞ PRINTING THE DATE AND A STAMP ON COPIES (Stamp) (page 2-55)

Special modes menu (3rd screen)



(1) [Transparency Inserts] key

☞ ADDING INSERTS WHEN COPYING ON TRANSPARENCY FILM (Transparency Inserts) (page 2-71)

(2) [Job Build] checkbox

☞ COPYING A LARGE NUMBER OF ORIGINALS AT ONCE (Job Build) (page 2-73)

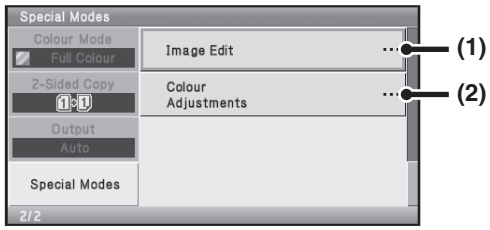
(3) [Pamphlet Copy] key

☞ MAKING COPIES IN PAMPHLET FORMAT (Pamphlet Copy) (page 2-75)

(4) [Mixed Size Original] checkbox

☞ COPYING ORIGINALS OF DIFFERENT SIZES (Mixed Size Original) (page 2-78)

Special modes menu (4th screen)



(1) [Image Edit] key

☞ [Image Edit] KEY (page 2-80)

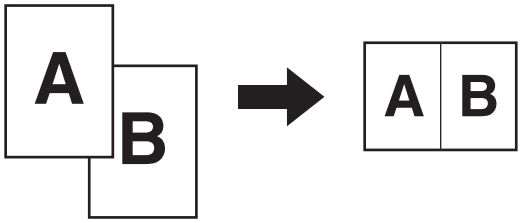
(2) [Colour Adjustments] key

☞ [Colour Adjustments] KEY (page 2-88)

- Special modes can generally be combined with other special modes, however, there are some combinations that are not possible. In this case, a message indicating that the combination is not possible will be displayed.
- The displayed menu will vary depending on the country and regions.

COPYING TWO ORIGINAL PAGES ONTO ONE SHEET (2in1)

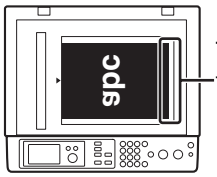
Two original pages can be copied onto one sheet of paper. This function is convenient when you wish to present multiple pages in a compact format, or show a view of all pages in a document.
By copying two originals onto one sheet, the amount of paper used can be cut in half.



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When using this function with a portrait original on the document glass, place the original so that the top of the image is to the right.



After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

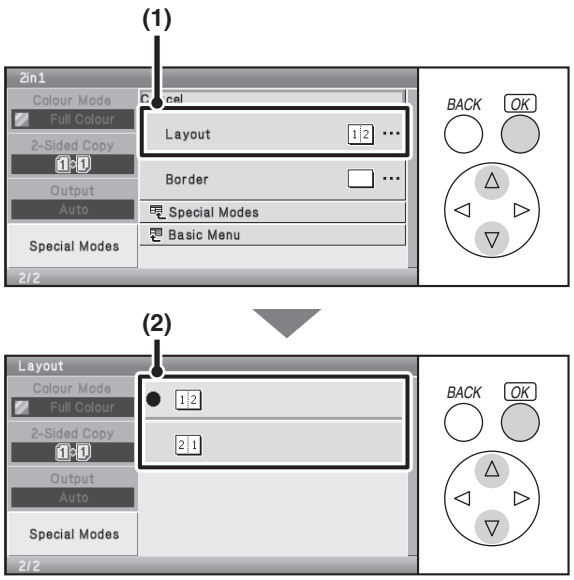
(1) Select the [Special Modes] key.

(2) Select the [2in1] key.

☞ Special modes menu (1st screen) (page 2-39)

Contents

3

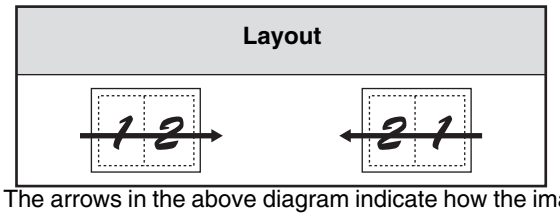


Select the layout.

(1) Select the [Layout] key.

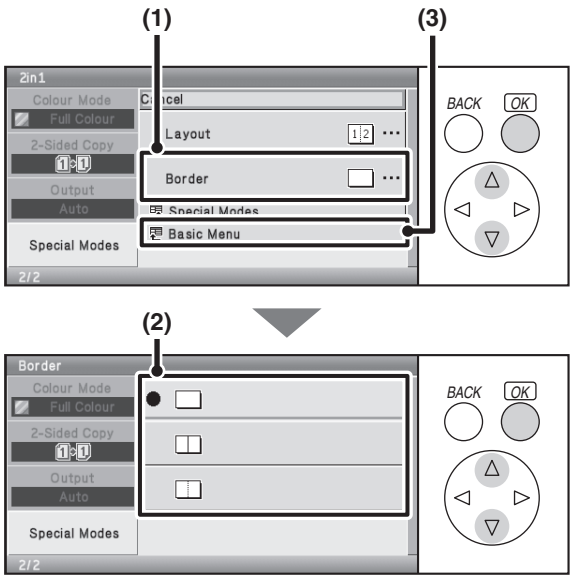
(2) Select the layout.

Select the order in which the originals will be arranged on the copy.



The arrows in the above diagram indicate how the images are arranged.

4



Select the border.

(1) Select the [Border] key.

(2) Select the border.

No lines, solid lines, or broken lines can be selected.

(3) Select the [Basic Menu] key.

You will return to the base screen of copy mode.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.

If you are using the document glass, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning and copying...

Press the [STOP] key ( ).

When using the 2in1 function, the appropriate copy ratio will be automatically set based on the original size, paper size, and the number of originals to be copied onto one sheet. The minimum possible reduction ratio is 50%. The original size, paper size, and selected number of original pages may require that the ratio be less than 50%. As copying will take place at 50% in this case, part of the original images may be cut off.

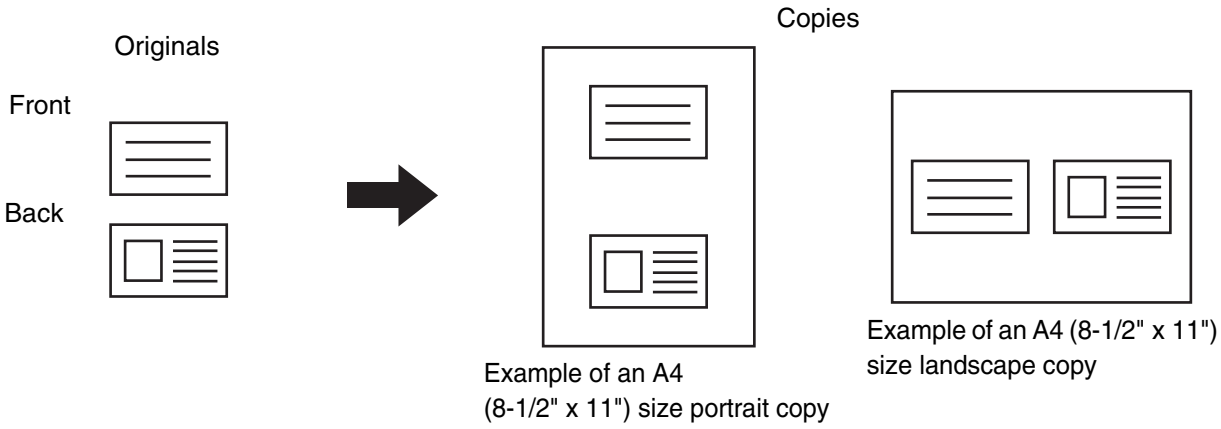
To cancel a 2in1 setting...

Select the [Cancel] key in the screen of step 3.

Contents

COPYING BOTH SIDES OF A CARD ON ONE SHEET OF PAPER (Card Shot)

When copying a card, this function allows you to copy the front and reverse sides together onto a single sheet of paper. This function is convenient for making copies for identification purposes and helps save paper.

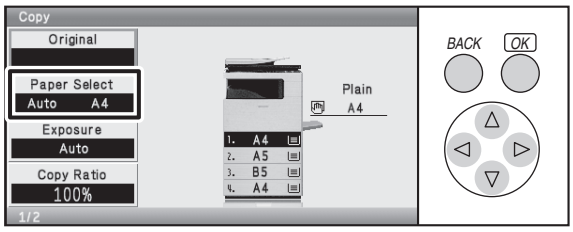


Example of an A4 (8-1/2" x 11") size portrait copy

Example of an A4 (8-1/2" x 11") size landscape copy

Keys in the display can be selected with the arrow keys and the [OK] key.

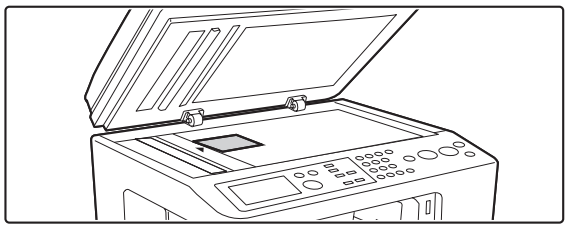
1



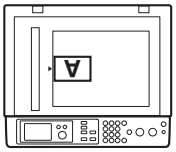
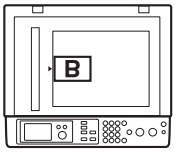
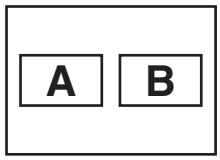
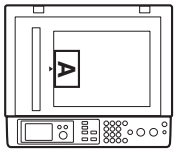
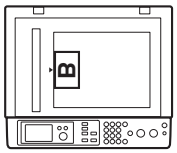
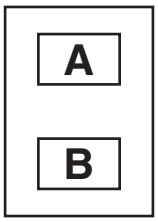
Select the paper to be used for card shot.

Select the paper as explained in "PAPER TRAYS" (page 2-9).

2



Place the original face down on the document glass.

Originals	Results
Front page  Back page 	
Front page  Back page 	

3

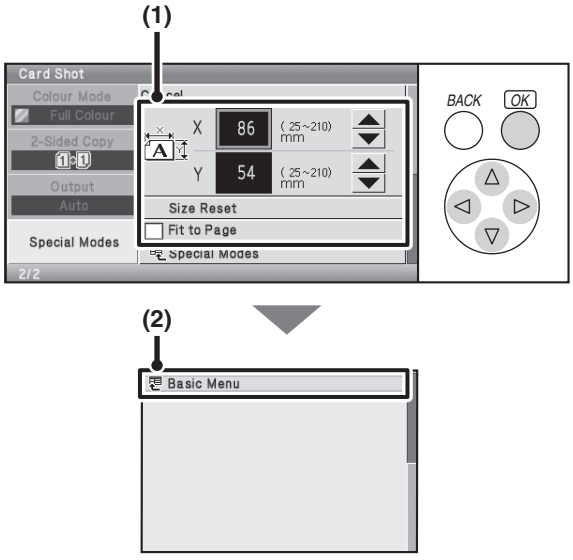
Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Card Shot] key.

☞ Special modes menu (1st screen) (page 2-39)

4



Select card shot settings.

(1) Enter the original size.

Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the original with the numeric keys, and select the [OK] key in the number entry screen.

Set the Y (height) original size in the same way as the X (width) original size.

You can also change the number with the ▼ ▲ keys.

- The [Size Reset] key can be pressed to return the horizontal and vertical dimensions to the values set in "Card Shot Settings" in the system settings (administrator).
- To enlarge or reduce the image to fit the paper based on the entered original size, set the [Fit to Page] checkbox to ☑.

(2) Select the [Basic Menu] key.

You will return to the base screen of copy mode. Make sure that the entered dimensions appear in the [Original] key.

5 Press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the front side of the card.

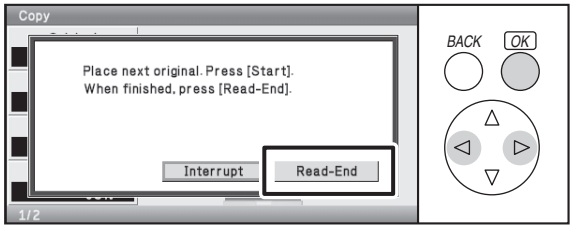
To cancel scanning...
Press the [STOP] key ( ).

6 Turn the card over and press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the reverse side of the card.

Use the same [START] key that you used for the front side of the card.

To cancel scanning...
Press the [STOP] key ( ).

7 Select the [Read-End] key.



Copying will begin.

To cancel copying...
Press the [STOP] key ( ).

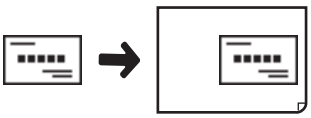
- The original must be placed on the document glass.
- Copying is only possible on standard size paper.
- XY Zoom cannot be used when using this function.
- The image cannot be rotated when using this function.

To cancel card shot...
Select the [Cancel] key in the screen of step 4.

System Settings (Administrator): Card Shot Settings
This is used to set the values to which the size returns when the [Size Reset] key is pressed. 25 mm to 210 mm (1" to 8-1/2") can be entered for both the horizontal and vertical dimensions.
The factory default settings are 86 mm (3-3/8") for X (the width) and 54 mm (2-1/8") for Y (the height).

COPYING MULTIPLE BUSINESS CARDS (Business Card Scan)

Business Card Scan can be used to copy up to 8 business cards on one sheet of paper.
To use this function, the business card feeder must be attached to the automatic document feeder and "Business Card Scan Option" must be enabled in the system settings (administrator).
For the attachment procedure, see "BUSINESS CARD FEEDER" in "1. BEFORE USING THE MACHINE" (page 1-55).
Use this function to create a list of business cards or to file business cards as a group.



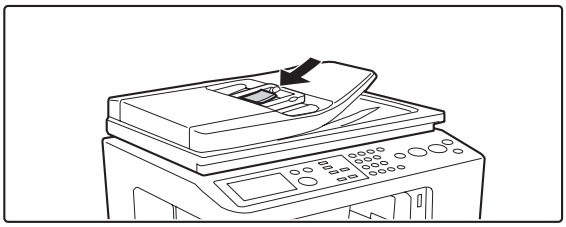
1-Sheet Layout



8-Sheet Layout

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Load the business cards.

For original placement orientations and copy results, see "Copy results of 8-Sheet Layouts" (page 2-47.)

2

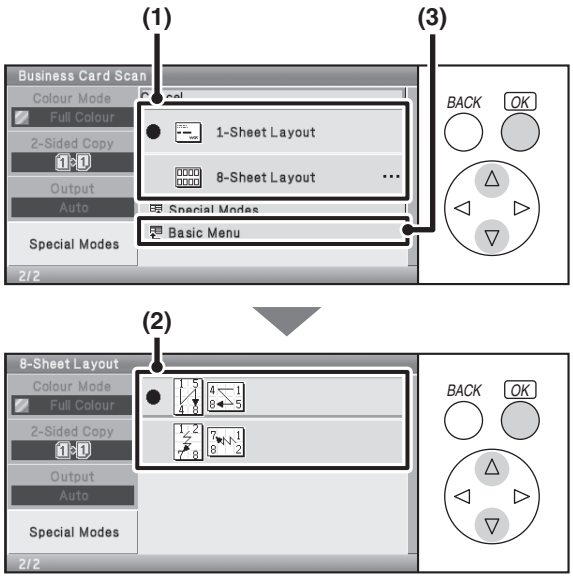
Select Business Card Scan.

(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 2-39)

(2) Select the [Bus. Card Scan] key.

3



Specify settings for Business Card Scan.

(1) Specify the number of business cards to be copied and select the [1-Sheet Layout] key or the [8-Sheet Layout] key.

When the [1-Sheet Layout] key is selected, the smallest size of paper loaded in the paper trays will be automatically selected. When the [8-Sheet Layout] key is selected, A4 (8-1/2" x 11") size paper will be automatically selected.

(2) When [8-Sheet Layout] is selected, select the desired layout.

Select one of the 2 layouts.

(3) Select the [Basic Menu] key.

You will return to the base screen of copy mode.

4 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Copying will begin.

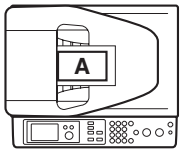
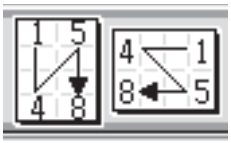
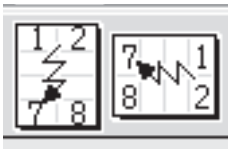
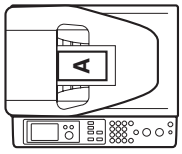
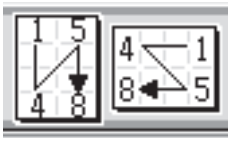
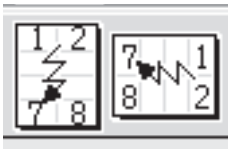
To cancel scanning and copying...
Press the [STOP] key ( ).

When the [1-Sheet Layout] key is selected, [XY Zoom] cannot be used.
When the [8-Sheet Layout] key is selected, the following functions and paper cannot be used.
- Zoom function
- Auto Image
- Label

To cancel the business card scan setting...
Select the [Cancel] key in the screen of step 3.

System Settings (Administrator): Business Card Scan Option (Web page only)
Specify whether or not the Business Card Scan function is used.

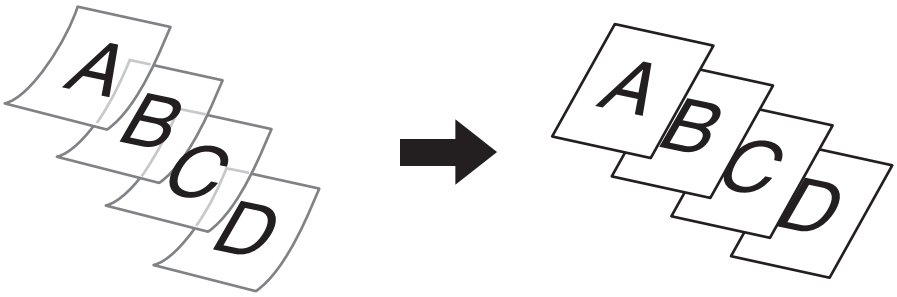
Copy results of 8-Sheet Layouts

Originals (Original orientation)	Settings	Results
1st page A, 2nd page B, 3rd page C, 4th page D, 5th page E, 6th page F, 7th page G, 8th page H 		A E / B F / C G / D H
		A B / C D / E F / G H
1st page A, 2nd page B, 3rd page C, 4th page D, 5th page E, 6th page F, 7th page G, 8th page H 		D C B A / H G F E
		G E C A / H F D B

Contents

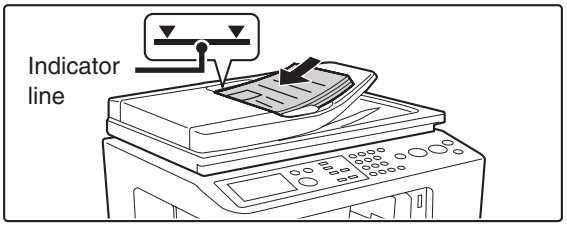
COPYING THIN ORIGINALS (Slow Scan Mode)

Use this function when you wish to scan thin originals using the automatic document feeder. This function helps prevent thin originals from misfeeding.



Keys in the display can be selected with the arrow keys and the [OK] key.

1

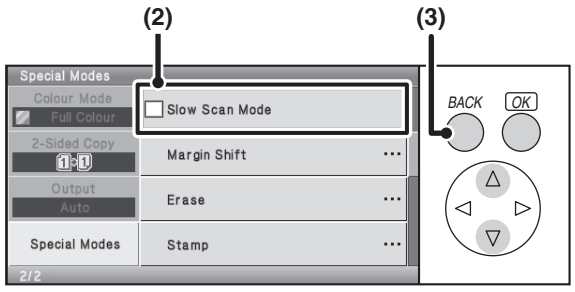


Insert the originals face up in the document feeder tray.

Insert the originals all the way into the document feeder tray.
Multiple originals can be placed in the document feeder tray.
The stack of originals must not be higher than the indicator line on the tray.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

If the originals are inserted with too much force, they may crumple and misfeed.

2



Select Slow Scan Mode.

(1) Select the [Special Modes] key.

☞ Special modes menu (2nd screen) (page 2-40)

(2) Set the [Slow Scan Mode] checkbox to ☑.

(3) Press the [BACK] key.

You will return to the base screen of copy mode.

3

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.

To cancel scanning and copying...
Press the [STOP] key (⊘).

Contents

The "2-Sided to 2-Sided" and "2-Sided to 1-Sided" modes of automatic 2-sided copying cannot be used.

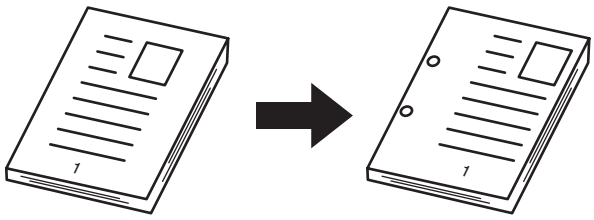
To cancel the slow scan mode setting...
Set the [Slow Scan Mode] checkbox to ☐ in the screen of step 2.

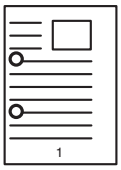
System Settings (Administrator): Original Feeding Mode
This is used to have scanning always take place in slow scan mode.

ADDING MARGINS (Margin Shift)

This function is used to shift the copy image right, left, up or down to adjust the margin.
This is convenient when you wish to hole punch the copies.

Shifting the image to the right so the copies can be bound at the left edge with a string



Not using margin shift	Using margin shift
	
The punch holes cut off part of the image	The image is moved to allow space for the holes so the image is not cut off.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

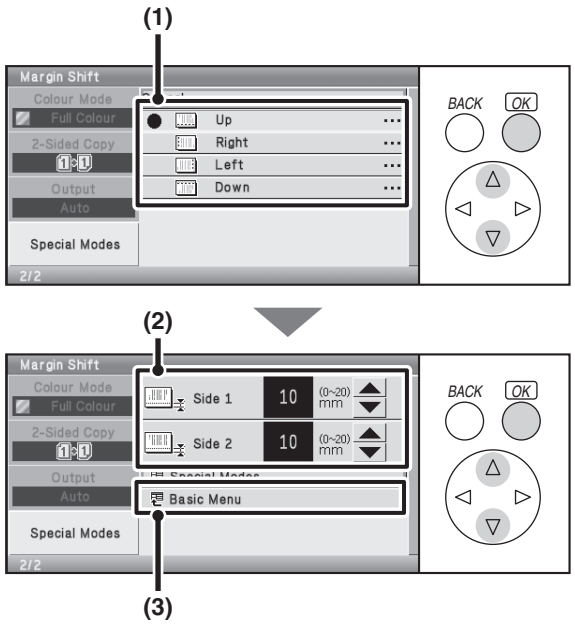
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Margin Shift] key.

☞ Special modes menu (1st screen) (page 2-39)

3



Set the margin shift.

(1) Select the margin shift position.

Select one of the 4 positions.

(2) Set the amount of the margin shift.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(3) Select the [Basic Menu] key.

You will return to the base screen of copy mode.

Contents

4 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning of the original and copying...
Press the [STOP] key ( ).

Rotation copy cannot be used in combination with margin shift.

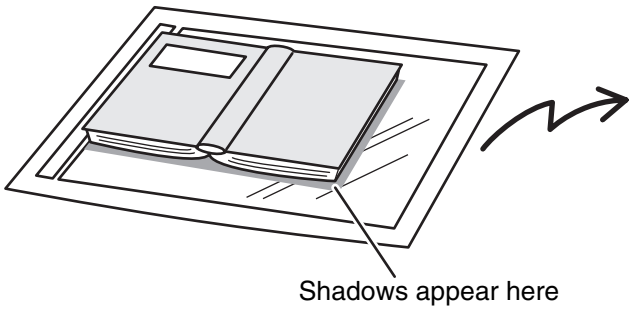
To cancel the margin shift setting...
Select the [Cancel] key in the screen of step 3.

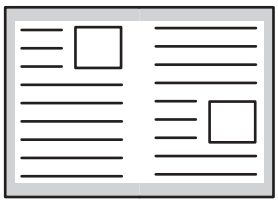
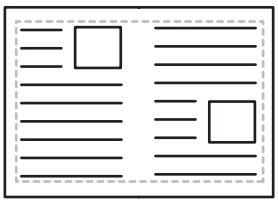
System Settings (Administrator): Initial Margin Shift Setting
The default margin shift setting can be set from 0 mm to 20 mm (0" to 1"). The factory default setting is 10 mm (1/2").

ERASING PERIPHERAL SHADOWS (Erase)

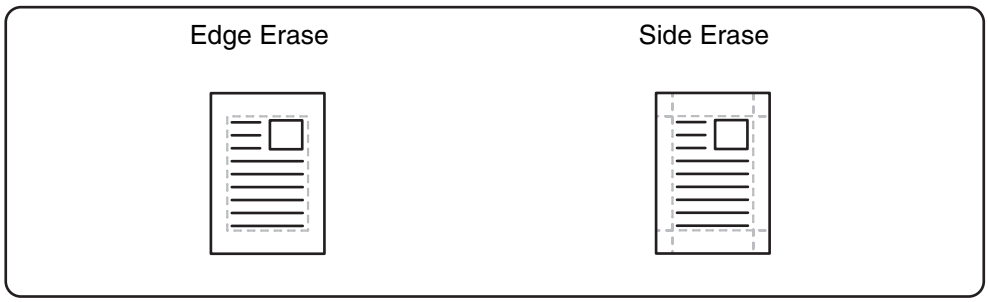
The erase function is used to erase shadows around the edges of copies that occur when copying thick originals or books.

When a thick book is copied



Not using the erase function	Using the erase function
	
Shadows appear on the copy.	Shadows do not appear on the copy.

Erase modes



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

(1) Select the [Special Modes] key.

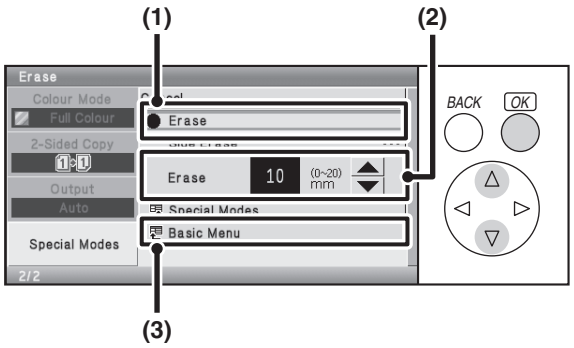
(2) Select the [Erase] key.

☞ Special modes menu (2nd screen) (page 2-40)

Contents

3

Select the erase settings.



● When [Erase] is selected

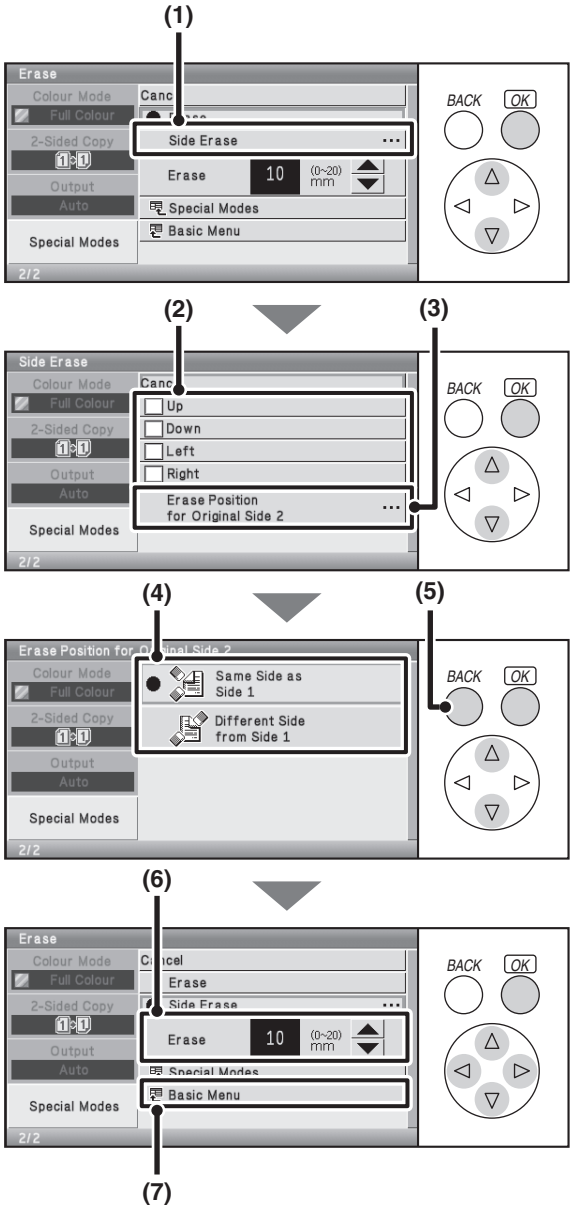
(1) Select the [Erase] key.

(2) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(3) Select the [Basic Menu] key.

You will return to the base screen of copy mode.



● When [Side Erase] is selected

(1) Select the [Side Erase] key.

(2) Set the sides to be erased

Select the checkboxes ☑ of the sides that you wish to erase.

(3) Select the [Erase Position for Original Side 2] key.

(4) Set the erase edge on the reverse side.

When performing 1-sided to 2-sided copying or 2-sided to 2-sided copying, set the erase edge on the reverse side.

- If you select the [Same Side as Side 1] key, the edge in the same position as on the front side will be erased.
- If you select the [Different Side from Side 1], the edge in the position opposite to the erased edge on the front side will be erased.

(5) Press the [BACK] key.

(6) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(7) Select the [Basic Menu] key.

You will return to the base screen of copy mode.

Contents

4 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning of the original and copying...
Press the [STOP] key ( ).

If a ratio setting is used in combination with an erase setting, the erase width will change according to the selected ratio. For example, if the erase width setting is 20 mm (1") and the image is reduced to 50%, the erase width will be 10 mm (1/2").

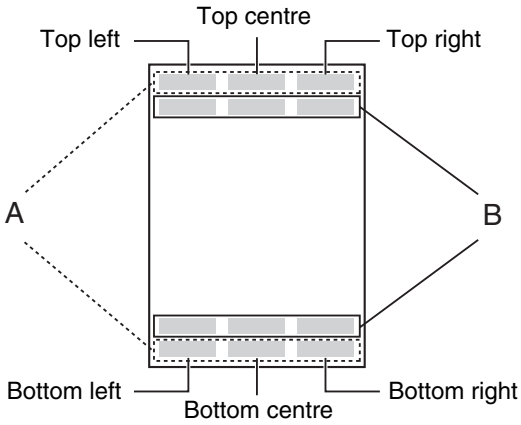
To cancel the erase setting...
Select the [Cancel] key in the screen of step 3.

System Settings (Administrator): Erase Width Adjustment
The default erase width can be set from 0 mm to 20 mm (0" to 1"). The factory default setting is 10 mm (1/2").

Contents

PRINTING THE DATE AND A STAMP ON COPIES (Stamp)

Use this function to print the date, a stamp, the page number, and text on copies.
Six printing positions are available: top left, top centre, top right, bottom left, bottom centre, and bottom right.
The printing positions are separated into areas that are used for the date, page number and text (A below), and areas that are used for a stamp (B below).



Stamp	Print area	Maximum number of positions
Date	A	1 position only
Stamp	B	6 positions
Page Numbering	A	1 position only
Text	A	6 positions

- If the selected stamp content of one position overlaps the stamp content of another position, priority will be given in the following order: right side, left side, centre. Content that is hidden due to overlapping will not be printed.
- Text will be printed at the preset size regardless of the copy ratio or paper size setting.
- Text will be printed at the preset exposure regardless of the exposure setting.
- Depending on the size of the paper, some printed content may be cut off or shifted out of position.

When used in combination with other special modes

When Stamp is used in combination with the following special modes, the special modes are reflected in the stamp content.

Special Modes	Printing
Margin Shift	Together with the image, the stamp content is shifted the amount of the margin width.
Centring	Unlike a copy image that moves, the image will be printed in the position set in the stamp.
Card Shot	The stamp is printed on each copy sheet.
2in1	The print content is printed on each original page.
Pamphlet Copy	The stamp is printed on each page of the resulting pamphlet.

Contents

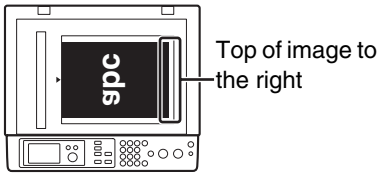
GENERAL PROCEDURE FOR USING STAMP

To select stamp settings, follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When using this function with a portrait original on the document glass, place the original so that the top of the image is to the right.



After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

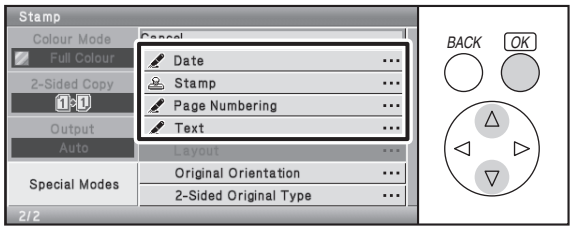
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Stamp] key.

☞ Special modes menu (2nd screen) (page 2-40)

3



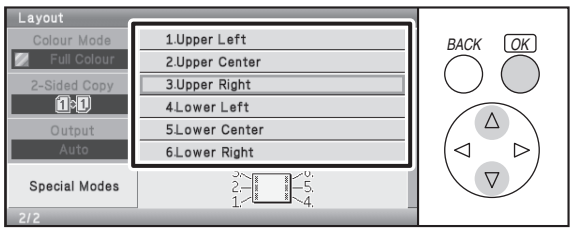
Select Stamp.

For detailed information on each of the stamp items, see the following sections:

Date: ADDING THE DATE TO COPIES (Date) (page 2-58)
Stamp: STAMPING COPIES (Stamp) (page 2-60)
Page numbering: PRINTING PAGE NUMBERS ON COPIES (Page Numbering) (page 2-62)
Text: PRINTING TEXT ON COPIES (Text) (page 2-66)

- "Date" and "Page Numbering" cannot be selected in multiple positions.
- It is not possible to set "Date", "Text", or "Page Numbering" in a print position in which "Date", "Text", or "Page Numbering" is already set.

4

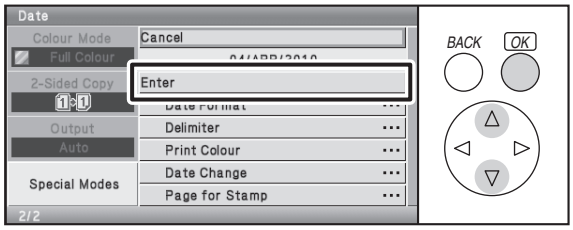


Select the print position.

Select from 6 positions: top left, top centre, top right, bottom left, bottom centre, bottom right.
By default, the following print position is selected.
Date: 3.Upper Right **Stamp:** 1.Upper Left
Page Numbering: 5.Lawer Centre **Text:** 1.Upper Left

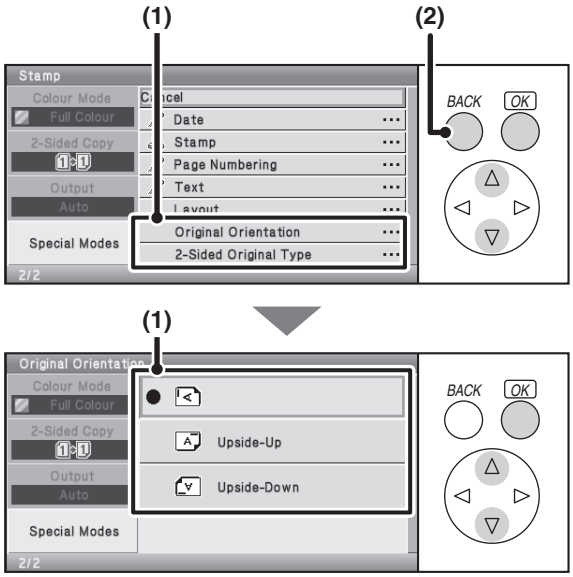
Contents

5



When you have finished selecting stamp settings, select the [Enter] key.

6



Select settings for the original.

(1) Select the [Original Orientation] key and specify the orientation of the placed original.

If 2-sided originals have been placed, select the [2-Sided Original Type] key and specify the binding position (booklet binding or tablet binding) of the originals.

(2) Press the [BACK] key twice.

You will return to the base screen of copy mode.
To edit a stamp position or delete a stamp item, select the [Layout] key.

☞ CHECKING THE STAMP LAYOUT (Layout) (page 2-69)

7

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

- If you selected printing in colour, press the [COLOUR START] key. Even if a colour is selected, pressing the [BLACK & WHITE START] key will print the stamp items in black and white.
- If a colour print setting is selected, the copy will be counted as a full colour copy even if it is black & white.

To cancel scanning and copying...
Press the [STOP] key (⊗).

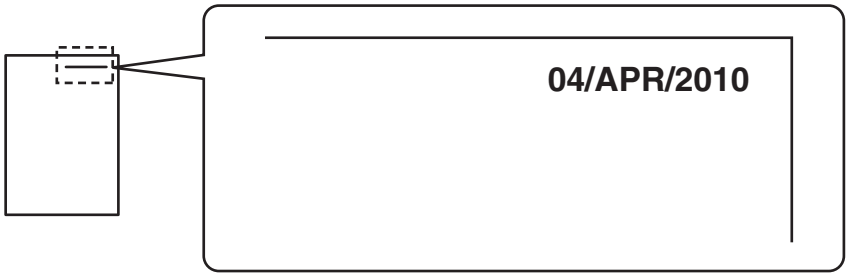
To cancel Stamp...
Select the [Cancel] key in the screen of step 3.

Contents

ADDING THE DATE TO COPIES (Date)

The date can be printed on copies. The position of the date, colour, format, and page (first page only or all pages) can be selected.

Example: Printing APRIL 4, 2010 in the top right corner of the paper.

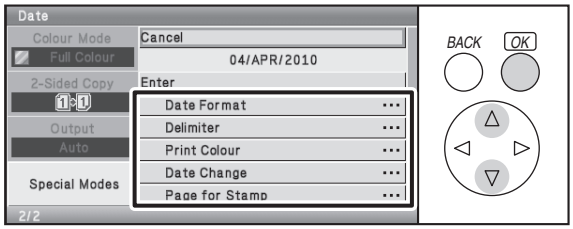


Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Date] key in the stamp selection screen.

See steps 1 to 4 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56).

2



Select Date.

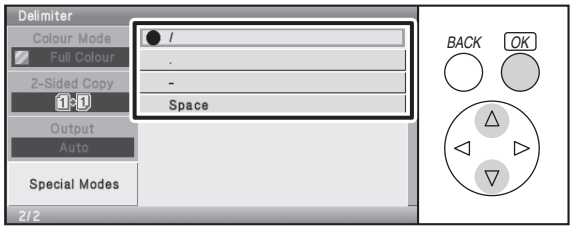
Set date items details in steps 3 to 7.

3



Select the [Date Format] key and select the key that shows the desired date format.

4

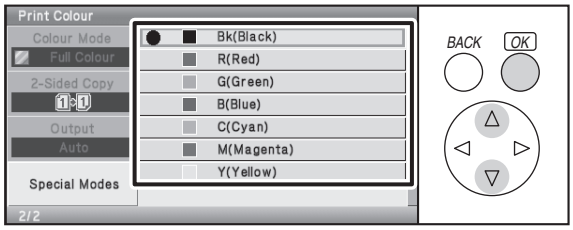


Select the [Delimiter] key and select the key that shows the desired delimiter.

If you selected [YYYY/MM/DD], [MM/DD/YYYY], or [DD/MM/YYYY] in step 3, select the delimiter.

Contents

5

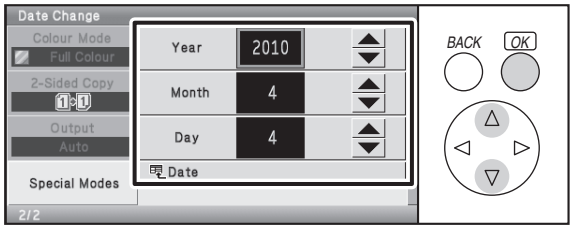


Select the [Print Colour] key and select the print colour.

Select the colour that you wish to use.

- If you selected a colour other than [Bk (Black)], press the [COLOUR START] key. Pressing the [BLACK & WHITE START] key will print the date in black and white.
- If the date is printed in colour on a black and white copy, the copy will be included in the full colour count.

6

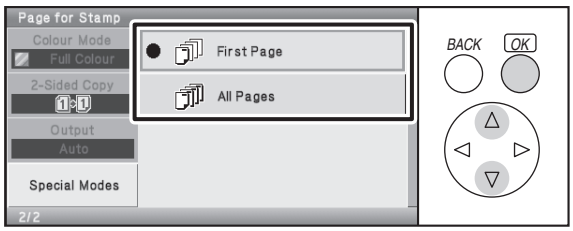


Check the displayed date. If you need to change the date, select the [Date Change] key.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
You can also change the number with the ▼ ▲ keys.
When you have finished selecting the settings, select the [Date] key.

- If you select a date that does not exist (such as Feb. 30), the [Date] key will be greyed out to prevent entry.
- Changing the date here will not change the date that is set in the machine using "Clock" in the system settings.

7



Select the [Page for Stamp] key and select the pages that the date will be printed on.

Select printing on the first page only, or printing on all pages.
When you have finished selecting the settings, continue from step 5 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56) to complete the copy procedure.

To cancel the date print setting...
Select the [Cancel] key in the screen of step 2.

Contents

STAMPING COPIES (Stamp)

Text such as "CONFIDENTIAL" can be printed in white on a dark background as a "stamp" on copies.
The position, colour, size, density, and pages (first page only or all pages) can be selected for a stamp.

Printing "CONFIDENTIAL" in the top left corner of a copy



The following 12 selections are available for the stamp text.

CONFIDENTIAL	PRIORITY	PRELIMINARY	FINAL
FOR YOUR INFO.	DO NOT COPY	IMPORTANT	COPY
URGENT	DRAFT	TOP SECRET	PLEASE REPLY

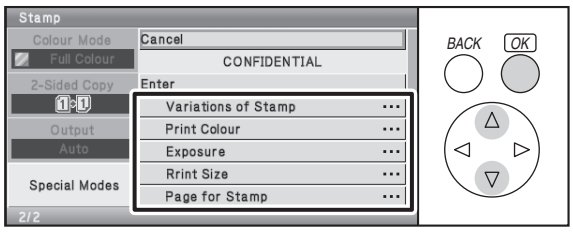
Three levels can be selected for the density of the stamp background.
Seven colours can be selected for the stamp colour.
Two stamp sizes can be selected.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Stamp] key in the stamp selection screen.

See steps 1 to 4 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56).

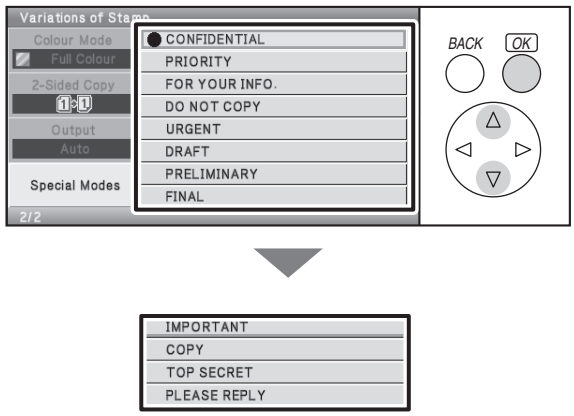
2



Select Stamp.

Set stamp items details in steps 3 to 7.

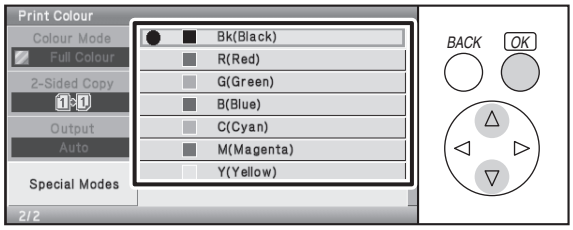
3



Select the [Variations of Stamp] key and select the key of the stamp that you wish to use.

Contents

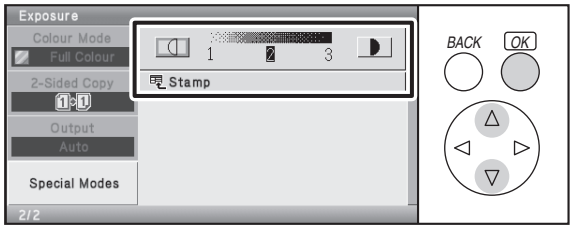
4 Select the [Print Colour] key and set the colour.



Select the colour that you wish to use.

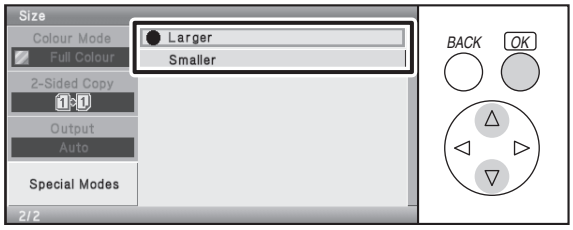
- If you selected a colour other than [Bk (Black)], press the [COLOUR START] key. Pressing the [BLACK & WHITE START] key will print the stamp in black and white.
- If the stamp is printed in colour on a black and white copy, the copy will be included in the full colour count.

5 Select the [Exposure] key and set the exposure.

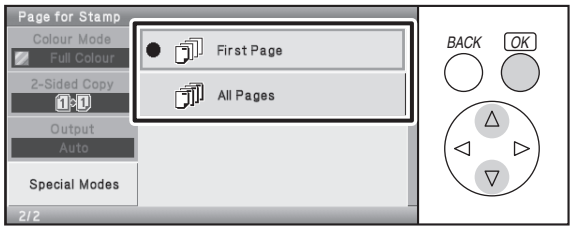


If you wish to darken the selected colour, select the key and press the [OK] key.
If you wish to lighten the selected colour, select the key and press the [OK] key.
When you have finished selecting the settings, select the [Stamp] key.

6 Select the [Print Size] key and select the size of the stamp.



7 Select the [Page for Stamp] key and select the pages that the date will be printed on.



Select printing on the first page only, or printing on all pages.
When you have finished selecting the settings, continue from step 5 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56) to complete the copy procedure.

The stamp text cannot be edited.

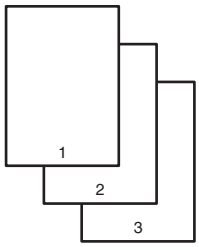
To cancel a stamp setting...
Select the [Cancel] key in the screen of step 2.

Contents

PRINTING PAGE NUMBERS ON COPIES (Page Numbering)

Page numbers can be printed on copies.
The position, colour, format, and page number can be selected for page numbering.

Printing the page number at the bottom centre of the paper.

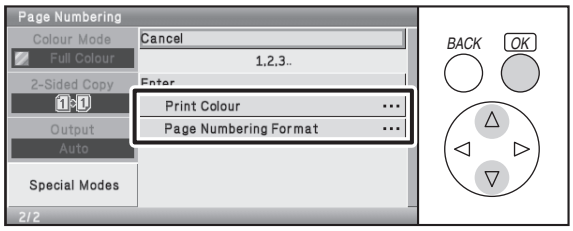


Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the [Page Numbering] key in the stamp selection screen.**

See steps 1 to 4 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56).

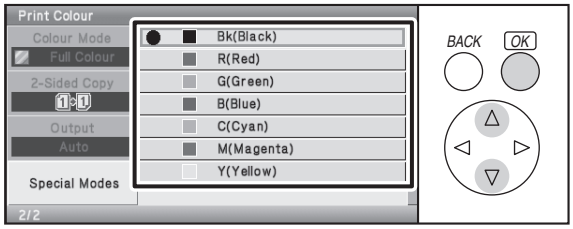
2



Select Page Numbering.

Set page numbering items details in steps 3 to 7.

3

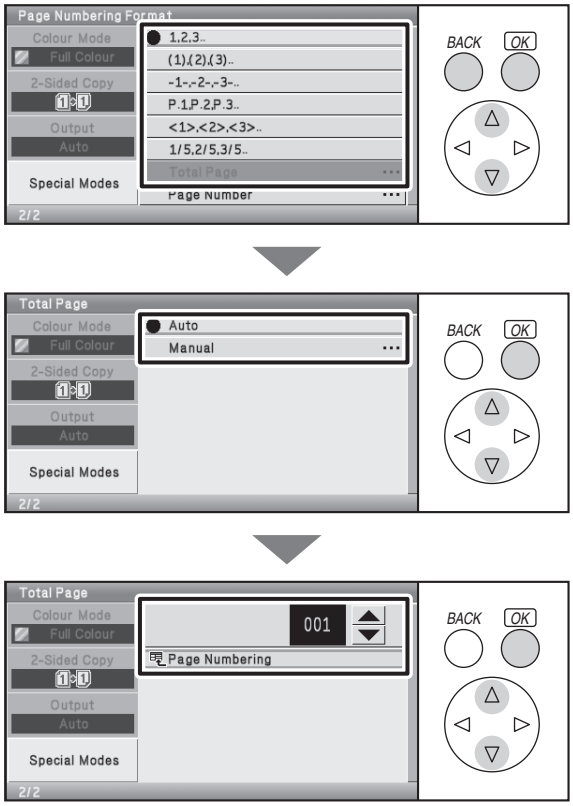


Select the [Print Colour] key and set the colour.

Select the colour that you wish to use.

- If you selected a colour other than [Bk (Black)], press the [COLOUR START] key. Pressing the [BLACK & WHITE START] key will print the page numbers in black and white.
- If page numbers are printed in colour on black and white copies, the copies will be included in the full colour count.

4



Select the [Page Numbering Format] key and select a format for the page number.

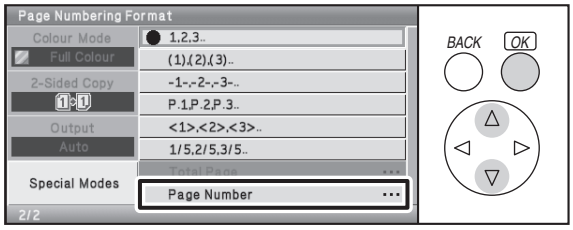
If the [1/5, 2/5, 3/5] key is selected,

"Page number / total pages" will be printed. "Auto" is initially selected for the total pages, which means that the number of scanned original pages is automatically set as the total pages. If you need to set the total pages manually, such as when a large number of originals are divided into sets for scanning, select the [Manual] key to display the total pages screen. Select the number display and press the [OK] key. A number entry screen will appear. Enter the total pages (1 to 999) with the numeric keys and select the [OK] key in the number entry screen.

When you have finished selecting the settings, select the [Page Numbering] key.

- When 2-sided copying is performed, the total pages is the total number of sides of the paper. If the final page is blank, it is not counted.
- When used in combination with "2in1" or "Card Shot", the number of sides of the paper copied on is the total pages.
- When used in combination with "Pamphlet Copy", the total number of pages in the resulting pamphlet or booklet is the total pages.

5

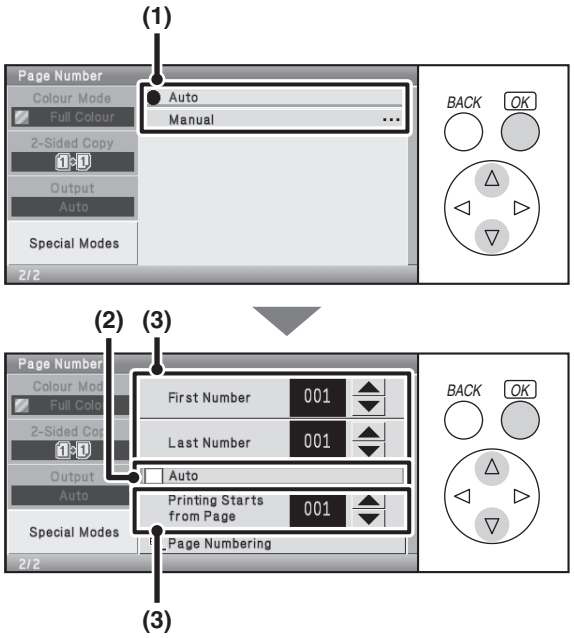


To configure page number settings, select the [Page Number] key.

If you do not need to configure page number settings, go to step 7.

Contents

6



Select page number settings.

(1) Select the [Manual] key.

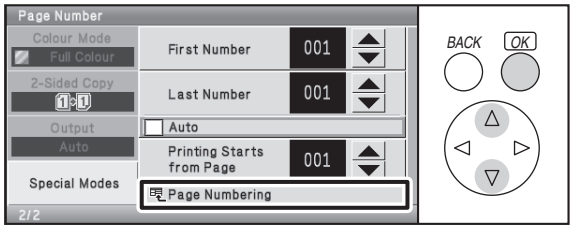
(2) Set the [Auto] checkbox to ☐.

(3) Set the first number, the last number, and the "Printing Starts from Page" number.

Select each number display and press the [OK] key. A number entry screen will appear. Enter a number (1 to 999) with the numeric keys and select the [OK] key in the number entry screen.
You can also change the number with the ▼ ▲ keys.

- A "Last Number" smaller than the "First Number" cannot be set.
- The "Last Number" is initially set to "Auto", which means that page numbers are automatically printed through the last page based on the "First Number" and "Printing Start from Page" settings.
- If the "Last Number" is set to a number smaller than the "Total Pages", page numbers are not printed on pages after the page set as the "Last Number".
- "Printing Starts from Page" is used to set the page number from which you want to begin printing page numbers. For example, if "3" is set and 1-sided copying is being performed, page numbers will be printed beginning from the 3rd copy sheet (the 3rd original page). If 2-sided copying is being performed, page numbers will be printed beginning from the front side of the 2nd copy sheet (the 3rd original page).

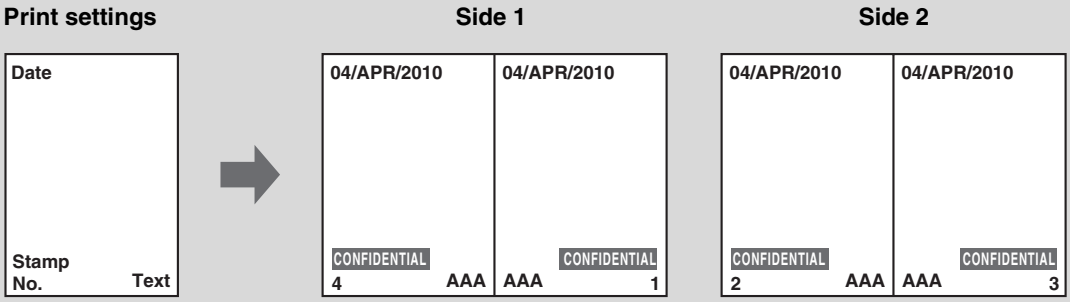
7



Select the [Page Numbering] key.

When you have finished selecting the settings, continue from step 5 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56) to complete the copy procedure.

- When Page Numbering is selected, copying in group mode is not possible. The mode automatically changes to sort mode.
- When the page number printing position is set to the right side or left side and pamphlet copy is used, the print position is changed so that the page numbers always appear on the outer side of each opened page (the left and right sides of the opened pages). If a stamp is set in the area where page numbering is set, the position of the stamp changes in the same way as the page number.
  If another stamp item is set in this changing position, the page numbers will alternate sides with this stamp item.
  A stamp item that is in a position not affected by the changing page number position will be printed in its original set position.
  Example: When four pages are copied using pamphlet copy and the page number format is "1, 2, 3...", the result is as follows:
  In this example, the page number is set at the bottom of the page and the date is set at the top, and thus the date does not move.



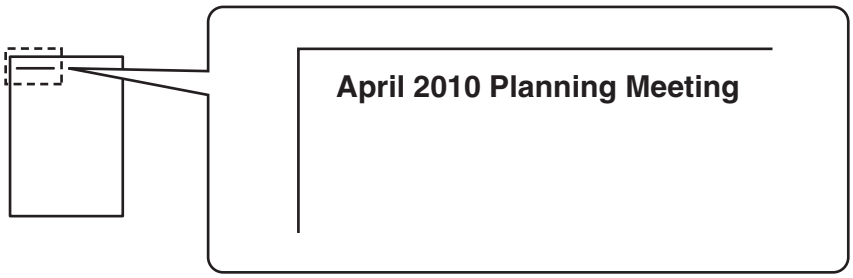
To cancel the page numbering setting...
Select the [Cancel] key in the screen of step 2.

Contents

PRINTING TEXT ON COPIES (Text)

Entered text can be printed on copies. Up to 30 frequently used text strings can be stored.

Example: Printing "April 2010 Planning Meeting" in the top left corner of the paper

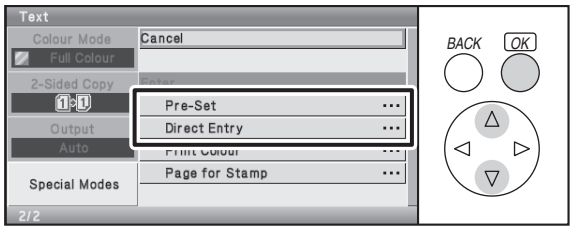


Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Text] key in the stamp selection screen.

See steps 1 to 4 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56).

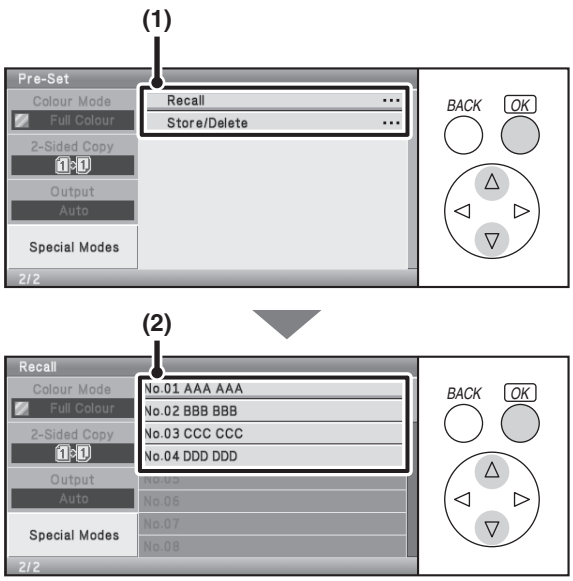
2



Select the [Pre-Set] key.

The [Direct Entry] key can be selected to display the text entry screen. When all characters have been entered, select the [OK] key.

3



Specify the text to be printed.

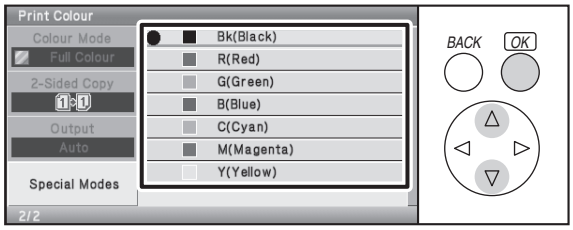
(1) Select the [Recall] key.

To store or delete a text string, select the [Store/Delete] key.

☞ Storing, editing, and deleting text strings (page 2-68)

(2) Select the text string that you wish to select.

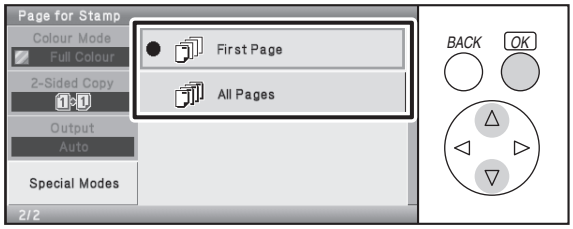
4 Select the [Print Colour] key and set the colour.



Select the colour that you wish to use.

- If you selected a colour other than [Bk (Black)], press the [COLOUR START] key. Pressing the [BLACK & WHITE START] key will print the page numbers in black and white.
- If the text is printed in colour on a black and white copies, the copies will be included in the full colour count.

5 Select the [Page for Stamp] key and select the pages that the date will be printed on.



Select printing on the first page only, or printing on all pages. When you have finished selecting the settings, continue from step 5 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56) to complete the copy procedure.

Text settings can also be configured in the Web pages. Click [Application Settings], [Copy settings] and then [Text Settings (Stamp)] in the Web page menu.

To cancel a text setting...
Select the [Cancel] key in the screen of step 2.

Contents

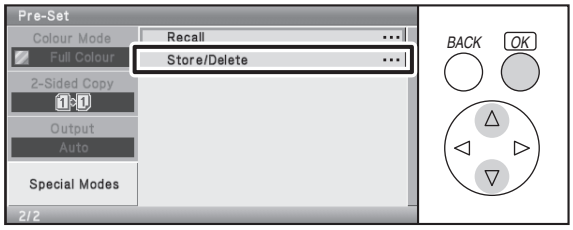
Storing, editing, and deleting text strings

Keys in the display can be selected with the arrow keys and the [OK] key.

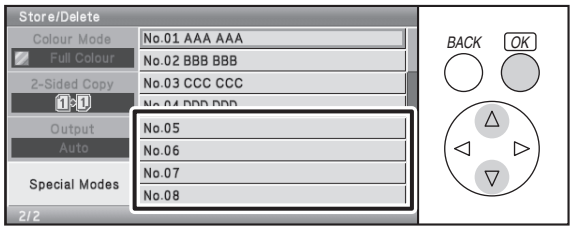
1 Select the [Text] key in the stamp selection screen.

See steps 1 to 4 of "GENERAL PROCEDURE FOR USING STAMP" (page 2-56).

2 Select the [Pre-Set] key and select the [Store/Delete] key.



3 Store a text string, or edit/delete a stored text string.



- To store a text string, select a key with no text stored.
  A text entry screen will appear. A maximum of 50 characters can be entered. When you have finished entering the text, select the [OK] key. The text entry screen will close.
- To edit or delete a text string, follow the instructions below.

To edit or delete a text string...

- When the key with the text string is selected, the following screen appears.
  When the [Amend] key is selected, a text entry screen appears. The stored text string appears in the text entry screen. Edit the text. When you have finished entering the text, select the [OK] key. The text entry screen will close.
- When the [Delete] key is selected, the stored text is deleted.



- Text settings can also be configured in the Web pages. Click [Application Settings], [Copy settings] and then [Text Settings (Stamp)] in the Web page menu.

4 Press the [BACK] key.

You will return to the screen of step 2.
To copy using a stored text string, continue from step 2 of "PRINTING TEXT ON COPIES (Text)" (page 2-66).

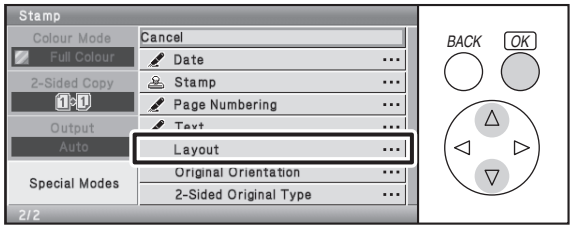
Contents

CHECKING THE STAMP LAYOUT (Layout)

After stamp items have been selected, you can check the print layout, change the print position, and delete stamp items.

Keys in the display can be selected with the arrow keys and the [OK] key.

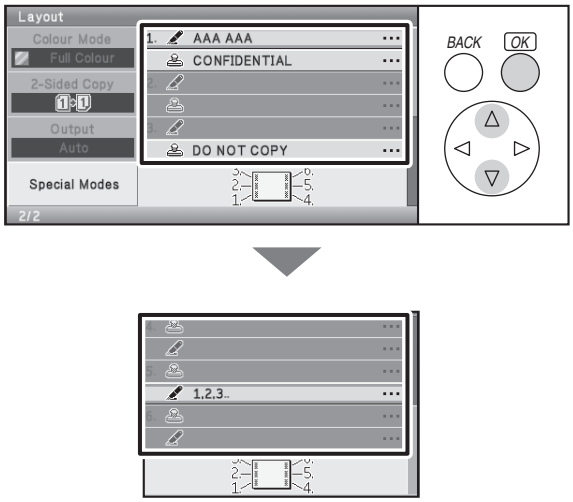
1



Select the [Layout] key.

The [Layout] key can only be selected when stamp items have been selected.

2



Check the layout.

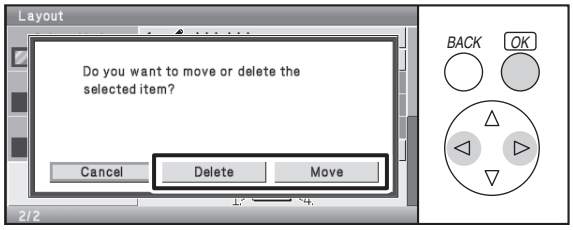
(Example: When "Text" and "Stamp" at 1.Upper Left, "Stamp" at 3.Upper Right, and "Page Numbering" at 5.Lower Centre are set.)

If the layout is correct, go to step 5.

Select the key of the stamp item that you want to delete or whose position you want to change.

A maximum of 14 characters appear in each key.

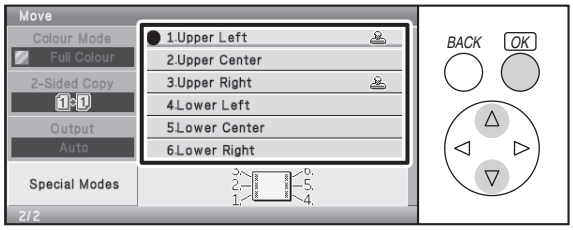
3



To change the position of the item, select the [Move] key. To delete the item, select the [Delete] key.

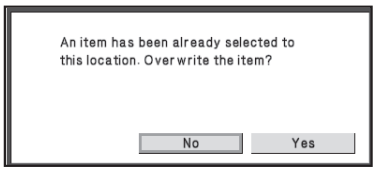
- If the [Move] key is selected, a screen for selecting the destination position appears.
- If the [Delete] key is selected, the item is deleted. (Go to step 5.)

4



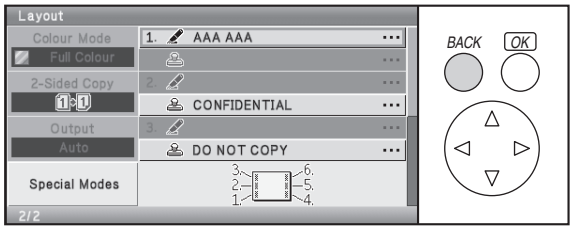
Select the key of the desired destination position.

The print position is changed.
If you attempt to move the stamp item to a position that is already occupied by another stamp item, a message will appear asking you if you wish to overwrite the other stamp item. To overwrite the other stamp item, select the [Yes] key. To cancel the move, select the [No] key.



If you wish to swap the position of the selected stamp item with the position of another stamp item, temporarily move either one of the items to an unoccupied position and then switch the print positions.

5

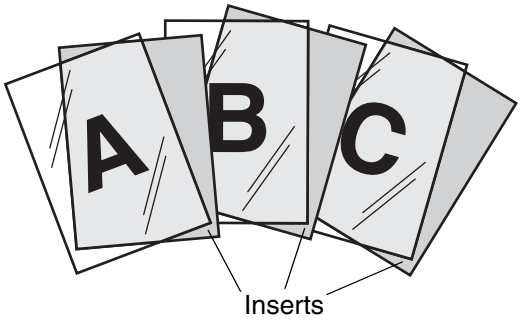


Press the [BACK] key.

Contents

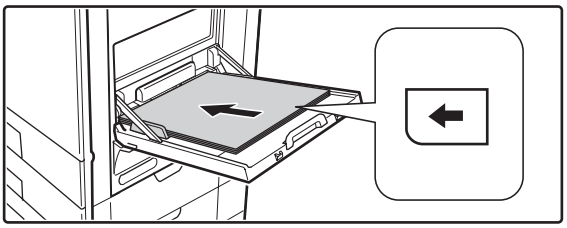
ADDING INSERTS WHEN COPYING ON TRANSPARENCY FILM (Transparency Inserts)

When copying on transparency film, the sheets may stick together due to static electricity. The transparency inserts function can be used to automatically insert a sheet of paper between each sheet of transparency film, making the sheets easy to handle.
It is also possible to copy on the inserts.



Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the transparency film in the bypass tray.

- Transparency film can only be placed in the bypass tray.
- Place the transparency film face down on the bypass tray. When placing transparency film, place so that the rounded corner of the film is to the front and left.
- After loading the transparency film, configure the bypass tray settings as explained in "MAKING COPIES USING THE BYPASS TRAY" (page 2-36).

2

Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

3

Select the special modes.

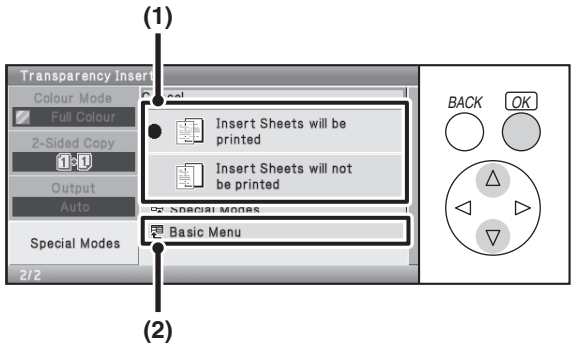
(1) Select the [Special Modes] key.

(2) Select the [Transparency Inserts] key.

☞ Special modes menu (3rd screen) (page 2-40)

Contents

4



Select insert settings.

(1) Select whether or not the insert paper will be copied on.

Insert Sheets will be printed or Insert Sheets will not be printed can be selected.

(2) Select the [Basic Menu] key.

You will return to the base screen of copy mode.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.

To cancel scanning and copying...
Press the [STOP] key ( ).

- When transparency inserts is selected, paper suitable for the inserts is automatically selected.
- The number of copies cannot be selected in this mode.
- When performing 2-sided copying, only "2-sided to 1-sided" mode can be used.

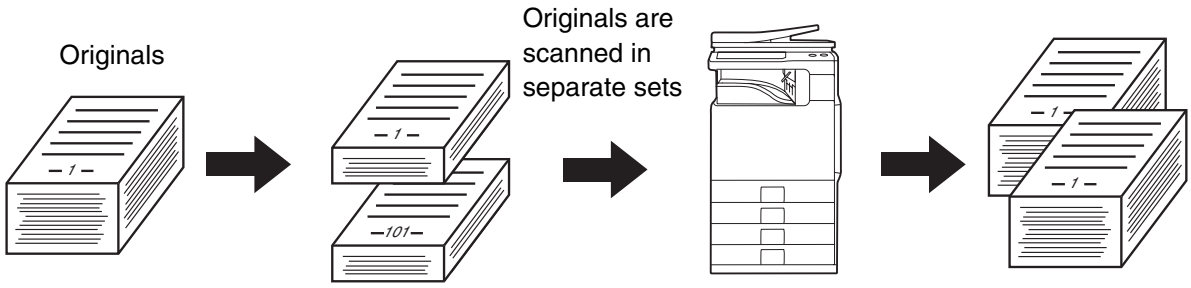
To cancel the transparency inserts setting...
Select the [Cancel] key in the screen of step 4.

Contents

COPYING A LARGE NUMBER OF ORIGINALS AT ONCE (Job Build)

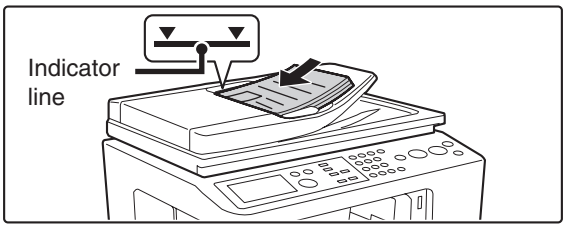
When copying a very large number of originals, this function allows you to divide the originals into sets and feed each set through the automatic document feeder one set at a time.
Use this function when you wish to copy all of the originals as a single job but the number of originals exceeds the maximum number that can be inserted.
This function is convenient when you wish to sort copies of a large number of originals into multiple sets. Because all originals are copied as a single job, you are saved the trouble of sorting the copies that would be required if the originals were divided into separate copy jobs.
When scanning originals in sets, divide the sheets so that no set has more than the number of paper that can be loaded, and then scan from the set with the first page. The settings that you select for the first set can be used for all remaining sets.

Sorting the copies of a large number of originals into 2 sets



Keys in the display can be selected with the arrow keys and the [OK] key.

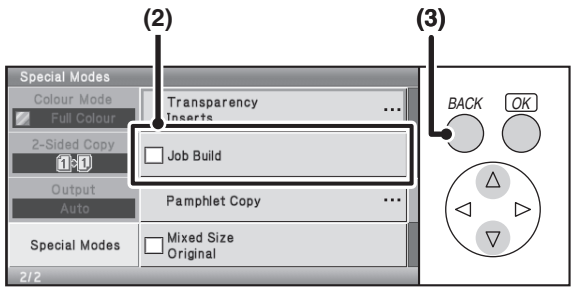
1



Insert the originals face up in the document feeder tray.

Insert the originals all the way into the document feeder tray.
Multiple originals can be placed in the document feeder tray.
The stack of originals must not be higher than the indicator line on the tray.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2



Select the special modes.

(1) Select the [Special Modes] key.

☞ Special modes menu (3rd screen) (page 2-40)

(2) Set the [Job Build] checkbox to ☑.

(3) Press the [BACK] key.

You will return to the base screen of copy mode.

Contents

3 **Press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the first set of originals.**

Scanning begins.

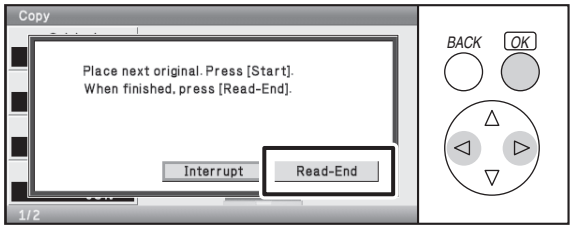
To cancel scanning...
Press the [STOP] key ( ).

4 **Insert the next set of originals and press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Repeat this step until all originals have been scanned.
For the second set and following sets, use the same [START] key as you did for the first set.

To cancel scanning...
Press the [STOP] key ( ). All scanned data will be cleared.

5



Select the [Read-End] key.

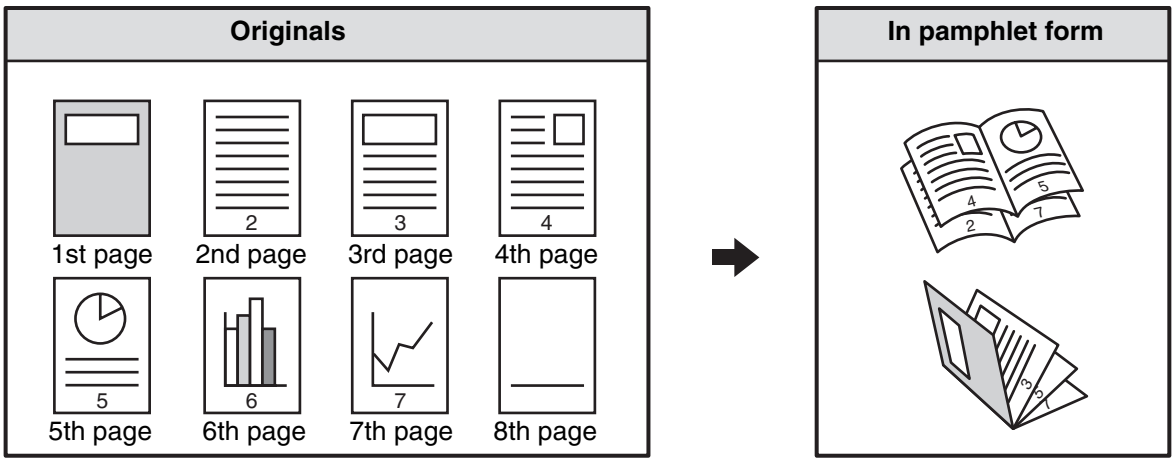
To cancel copying...
Press the [STOP] key ( ).

To cancel job build mode....
Select the [Job Build] key in the screen of step 2 so that it is not highlighted.

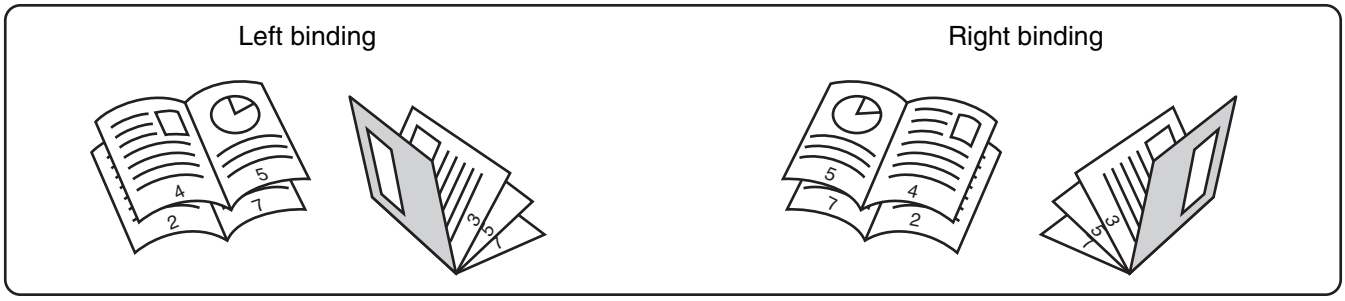
MAKING COPIES IN PAMPHLET FORMAT (Pamphlet Copy)

This function copies 2 original pages onto the front side and 2 original pages onto the reverse side of each sheet of paper so that the copies can be folded at the centreline to form a pamphlet.
This function is convenient for arranging copies into an attractive booklet or pamphlet.

Pamphlet copy using 8 original pages



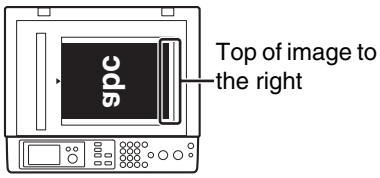
Binding side



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When using this function with a portrait original on the document glass, place the original so that the top of the image is to the right.



After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

If the originals are 2-sided, place them in the document feeder tray.

Contents

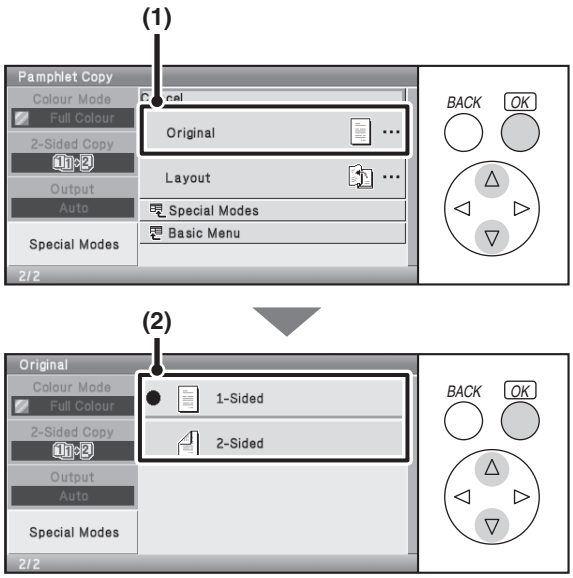
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Pamphlet Copy] key.

☞ Special modes menu (3rd screen) (page 2-40)

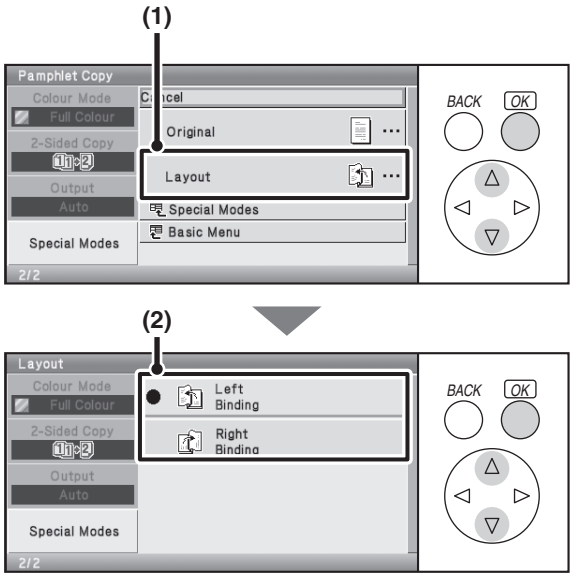
3 Select pamphlet copy original settings.



(1) Select the [Original] key.

(2) If the original is 1-sided, select the [1-Sided] key. If the original is 2-sided, select the [2-Sided] key.

4 Select pamphlet copy layout settings.

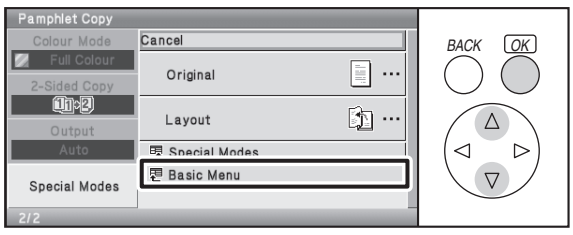


(1) Select the [Layout] key.

(2) Select the binding edge.

Left Binding or Right Binding can be selected.

5 Select the [Basic Menu] key.



You will return to the base screen of copy mode.

Contents

6 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

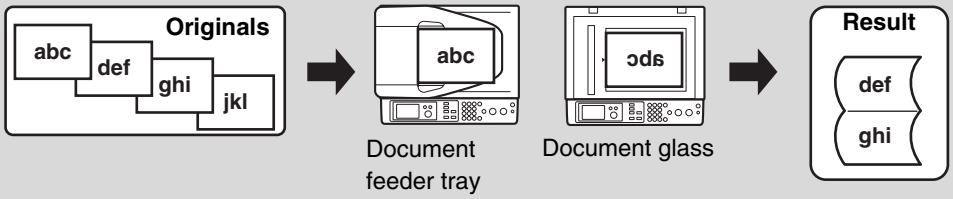
Copying will begin.

If you are using the document glass, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning of the original and copying...

Press the [STOP] key ( ).

- When the pamphlet copy function is selected, copying in group mode and staple sort mode is not possible.
- When the pamphlet copy function is selected, 2-sided copying mode is automatically selected. When settings are selected that prevent 2-sided copying, the pamphlet copy function cannot be used.
- Scan the originals in order from the first page to the last page. The order of copying will be automatically adjusted by the machine. Four original pages will be copied onto each sheet of paper. Blank pages will be automatically produced at the end if the number of original pages is not a multiple of four.
- **To make landscape originals into a pamphlet with a tablet binding ...**
  Place the originals in the indicated orientation and select [Right Binding] in (2) of step 4.



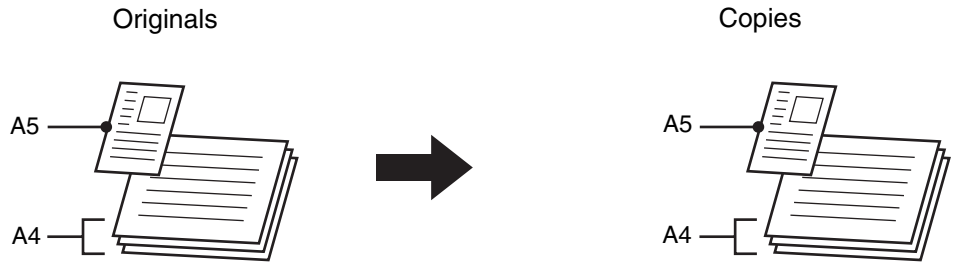
To cancel pamphlet copy...

Select the [Cancel] key in the screen of step 3.

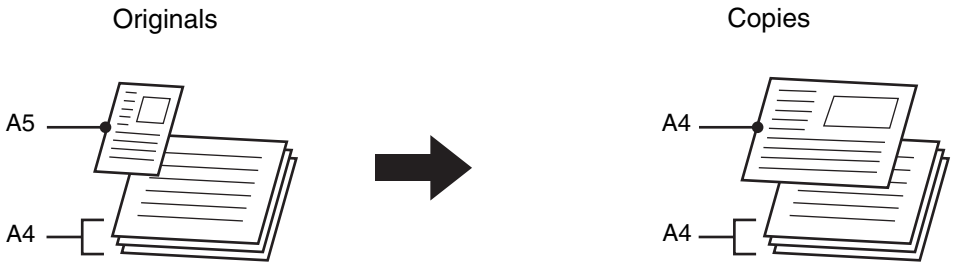
Contents

COPYING ORIGINALS OF DIFFERENT SIZES (Mixed Size Original)

Originals that are A4 size and A5 size (8-1/2" x 14" size and 8-1/2" x 11" size, 8-1/2" x 11" size and 5-1/2" x 8-1/2" size) can be placed together in the automatic document feeder and copied. When scanning the originals, the machine automatically detects the size of each original and uses paper appropriate for that size.
When mixed size original is combined with auto ratio selection, the ratio is adjusted individually for each original according to the selected paper size, enabling output on a uniform paper size.
For mixed originals, the only combination of sizes that can be used is A5 and A4 (8-1/2" x 11" and 8-1/2" x 14", 5-1/2" x 8-1/2" and 8-1/2" x 11").



When mixed size original is combined with auto ratio selection
(Auto ratio selection and A4 (8-1/2" x 14", 8-1/2" x 11") are selected)



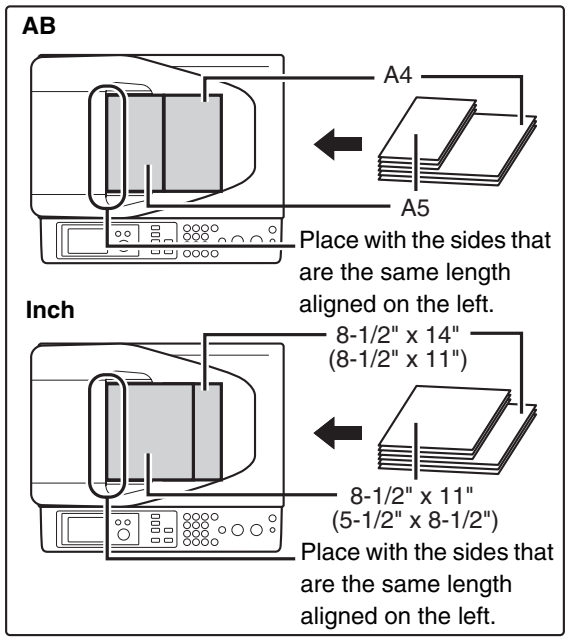
An A5 (8-1/2" x 11", 5-1/2" x 8-1/2") size original will be enlarged to A4 (8-1/2" x 14", 8-1/2" x 11") size.

Contents

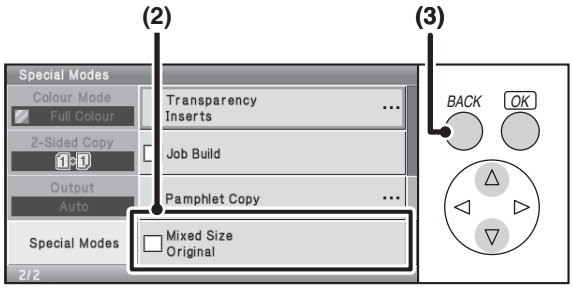
Keys in the display can be selected with the arrow keys and the [OK] key.

1 Insert the originals face up in the document feeder tray.

Place the originals with the sides that are the same length aligned on the left.



2 Select the special modes.



(1) Select the [Special Modes] key.

☞ Special modes menu (3rd screen) (page 2-40)

(2) Set the [Mixed Size Original] checkbox to ☑.

(3) Press the [BACK] key.

You will return to the base screen of copy mode.

3 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.

To cancel scanning and copying...
Press the [STOP] key (⊗).

To cancel the mixed size original setting...
Set the [Mixed Size Original] checkbox to ☐ in the screen of step 2.

System Settings (Administrator): Original Feeding Mode (Web page only)
The original feeding mode can be set to always scan mixed size originals.

Contents

[Image Edit] KEY

When the [Image Edit] key is selected in the 4th special modes menu screen, the image edit menu screen opens.

Image edit menu screen



(1) [Photo Repeat] key

☞ REPEATING PHOTOS ON A COPY (Photo Repeat) (page 2-81)

(2) [Mirror Image] checkbox

☞ REVERSING THE IMAGE (Mirror Image) (page 2-83)

(3) [Centring] checkbox

☞ COPYING IN THE CENTRE OF THE PAPER (Centring) (page 2-84)

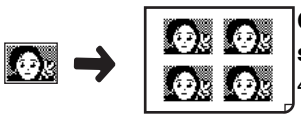
(4) [B/W Reverse] checkbox

☞ REVERSING BLACK AND WHITE IN A COPY (B/W Reverse) (page 2-86)

REPEATING PHOTOS ON A COPY (Photo Repeat)

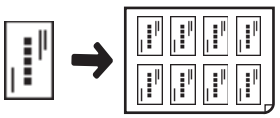
Photo Repeat is used to create repeated images of a photo-size original (130 mm x 90 mm size, 100 mm x 150 mm size, 70 mm x 100 mm size, 65 mm x 70 mm size or 57 mm x 100 mm size (3" x 5" size, 5" x 7" size, 2-1/2" x 4" size, 2-1/2" x 2-1/2" size or 2-1/8" x 2-5/8" size)) on a single sheet of copy paper as shown below. Up to 12 images (when the image is 65 mm x 70 mm size (2-1/2" x 2-1/2" size)) can be repeated on a single sheet of paper.

• Original sizes up to 130 mm x 90 mm (3" x 5")



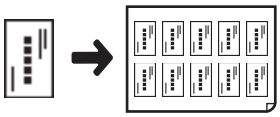
Copying on A4 (8-1/2" x 11") size paper
4 copies are made.

• Original sizes up to 70 mm x 100 mm (2-1/2" x 4")



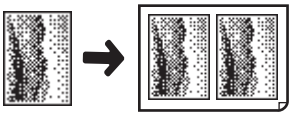
Copying on A4 (8-1/2" x 11") size paper
8 copies are made.

• Original sizes up to 57 mm x 100 mm (2-1/8" x 2-5/8")



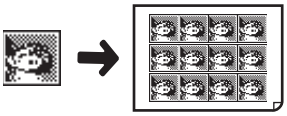
Copying on A4 (8-1/2" x 11") size paper (Ratio 95%)
10 copies are made.

• Original sizes up to 100 mm x 150 mm (5" x 7")



Copying on A4 (8-1/2" x 11") size paper
2 copies are made.

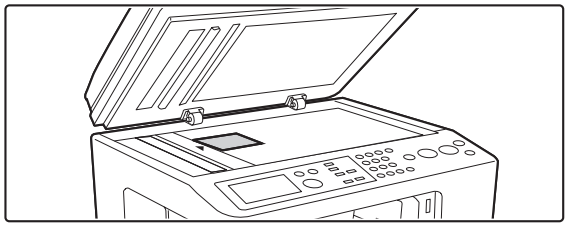
• Original sizes up to 65 mm x 70 mm (2-1/2" x 2-1/2")



Copying on A4 (8-1/2" x 11") size paper
12 copies are made.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the original face down on the document glass.

- When placing a 130 mm x 90 mm or 65 mm x 70 mm (3" x 5" or 2-1/2" x 2-1/2") photo size original, place the original with the short side aligned against the left side of the document glass.
- When placing a 100 mm x 150 mm (5" x 7") or business card size original, place with the longest side aligned against the left side of the document glass.

2

Select the special modes.

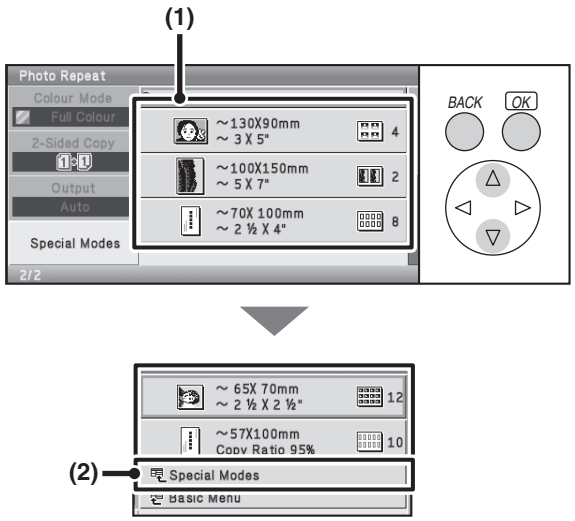
(1) Select the [Special Modes] key.

(2) Select the [Image Edit] key.

(3) Select the [Photo Repeat] key.

☞ [Image Edit] KEY (page 2-80)

3



Select Photo Repeat settings.

(1) Select the key showing the original type.

Select the desired repeat type key.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.

If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning and copying...

Press the [STOP] key ( ).

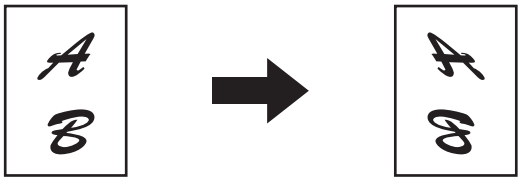
- The original must be placed on the document glass.
- Only A4 (8-1/2" x 11") size paper can be used.
- The copy ratio is 100% when this function is used. (The ratio cannot be changed.) However, for a business card size original (up to 57 mm x 100 mm (2-1/8" x 2-5/8")), the images are reduced to 95%.

To cancel the photo repeat setting...

Select the [Cancel] key in the screen of step 3.

REVERSING THE IMAGE (Mirror Image)

This feature is used to make a copy that is a mirror image of the original.



Original　　Mirror image copy

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

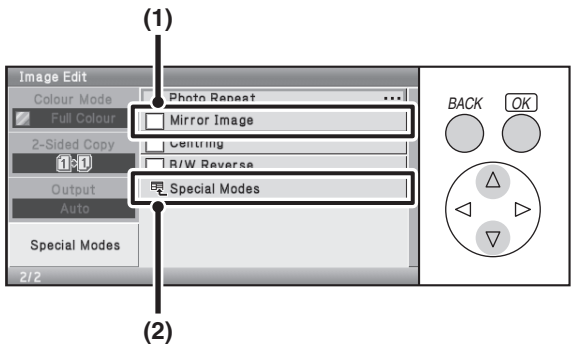
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Image Edit] key.

☞ [Image Edit] KEY (page 2-80)

3 Select Mirror Image.



(1) Set the [Mirror Image] checkbox to ☑.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning and copying...
Press the [STOP] key (⊘).

To cancel a mirror image setting...
Set the [Mirror Image] checkbox to ☐ in the screen of step 3.

Contents

COPYING IN THE CENTRE OF THE PAPER (Centring)

This is used to centre the copied image on the paper.
This lets you place the image in the centre of the paper when the original size is smaller than the paper size or when the image is reduced.

Not using the centring function	Using the centring function
	

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

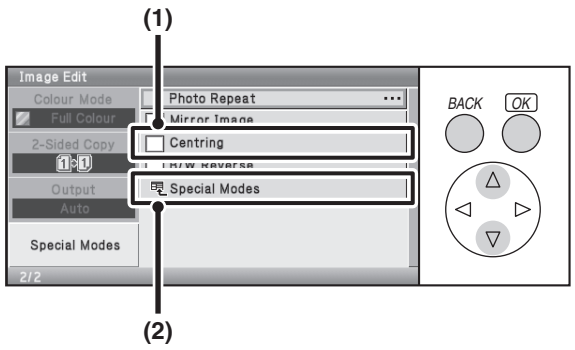
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Image Edit] key.

☞ [Image Edit] KEY (page 2-80)

3



Select Centring.

(1) Set the [Centring] checkbox to ☑.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [START] key. Repeat until all pages have been scanned and then select the [Read-End] key. (For the second original and following originals, use the same [START] key as you did for the first original.)

To cancel scanning and copying...
Press the [STOP] key (⊘).

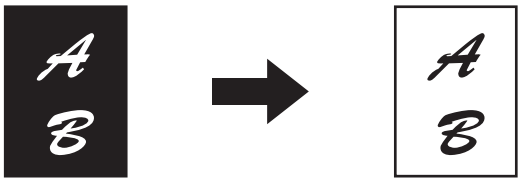
Contents

- The image can be reduced when using the centring function, but not enlarged.
- When the original size or the paper size is displayed as a special size, this function cannot be used.

To cancel centring...
Set the [Centring] checkbox to ☐ in the screen of step 3.

REVERSING BLACK AND WHITE IN A COPY (B/W Reverse)

This is used to reverse black and white in a copy to create a negative image. This function can only be used for black and white copying.
Originals with large black areas (which use a large amount of toner) can be copied using Black/White Reverse to reduce toner consumption.



Originals B/W Reverse copy

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

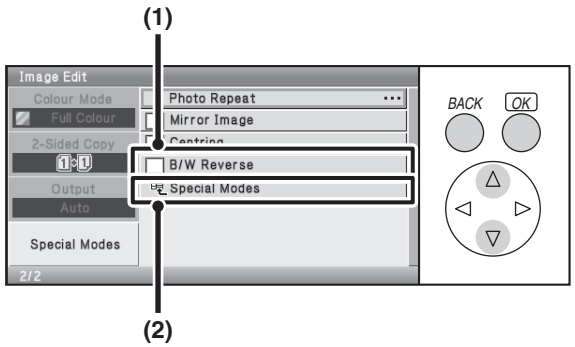
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Image Edit] key.

☞ [Image Edit] KEY (page 2-80)

3



Select B/W Reverse.

(1) Set the [B/W Reverse] checkbox to ☑.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [BLACK & WHITE START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

When using this function, the [COLOUR START] key cannot be used.

To cancel scanning and copying...
Press the [STOP] key (⊗).

Contents

- When this function is selected, the "Original Image Type" setting for exposure adjustment automatically changes to "Text".
- This function is not available in some countries and regions.

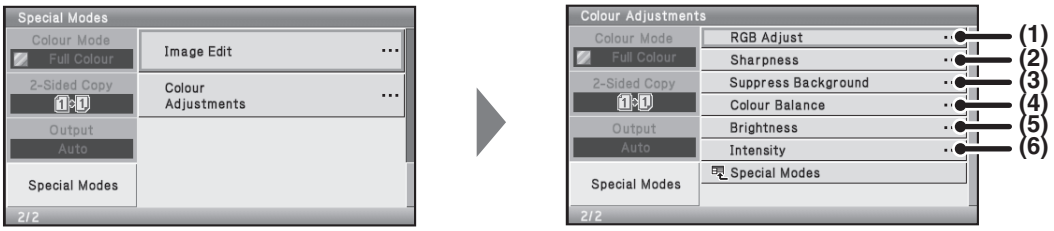
To cancel B/W reverse...
Set the [B/W Reverse] checkbox to ☐ in the screen of step 3.

Contents

[Colour Adjustments] KEY

When the [Colour Adjustments] key is selected in the 1st special modes menu screen, the colour adjustments menu screen opens.

Colour adjustments menu screen



(1) [RGB Adjust] key

☞ ADJUSTING RED/GREEN/BLUE IN COPIES (RGB Adjust) (page 2-89)

(2) [Sharpness] key

☞ ADJUSTING THE SHARPNESS OF AN IMAGE (Sharpness) (page 2-90)

(3) [Suppress background] key

☞ WHITENING FAINT COLOURS IN COPIES (Suppress Background) (page 2-91)

(4) [Colour Balance] key

☞ ADJUSTING THE COLOUR (Colour Balance) (page 2-93)

(5) [Brightness] key

☞ ADJUSTING THE BRIGHTNESS OF A COPY (Brightness) (page 2-96)

(6) [Intensity] key

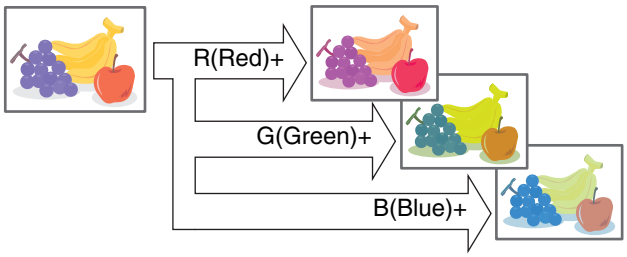
☞ ADJUSTING THE INTENSITY OF A COPY (Intensity) (page 2-97)

When any of the functions on the colour adjustments menu is selected, the "Original Image Type" setting for exposure adjustment automatically changes to "Text/Prtd.Photo".

Contents

ADJUSTING RED/GREEN/BLUE IN COPIES (RGB Adjust)

This feature is used to strengthen or weaken any one of the three colour components R (red), G (green), or B (blue).



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

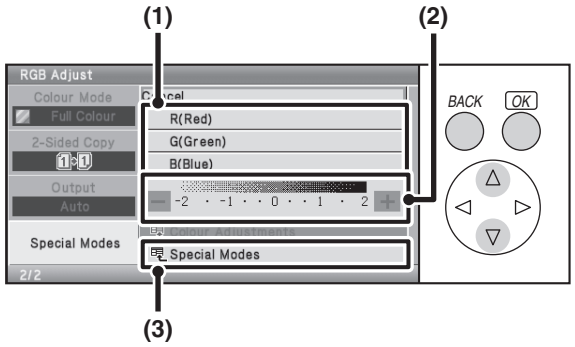
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

(3) Select the [RGB Adjust] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Adjust red, green, or blue.

(1) Select the key of the colour that you wish to adjust: [R (Red)], [G (Green)], or [B (Blue)].

Only one colour can be adjusted. (If you adjust one colour and then adjust another colour, the adjustment of the first colour is cancelled.)

(2) Adjust the selected colour.

To strengthen the selected colour, select the [+] key and press the [OK] key.
To weaken the selected colour, select the [-] key and press the [OK] key.

(3) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

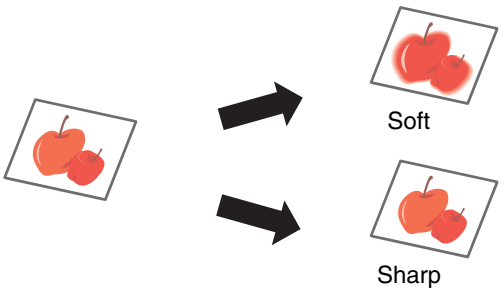
To cancel scanning and copying...
Press the [STOP] key ( ).

To cancel an RGB adjust setting...
Select the [Cancel] key in the screen of step 3.

Contents

ADJUSTING THE SHARPNESS OF AN IMAGE (Sharpness)

This is used to sharpen an image or make it softer.



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

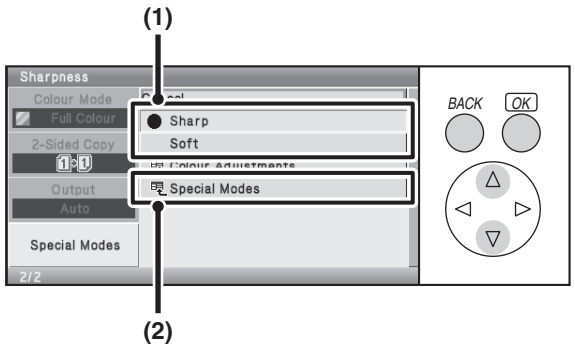
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

(3) Select the [Sharpness] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Adjust the image.

(1) Select the [Soft] key or the [Sharp] key.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning and copying...
Press the [STOP] key ( ).

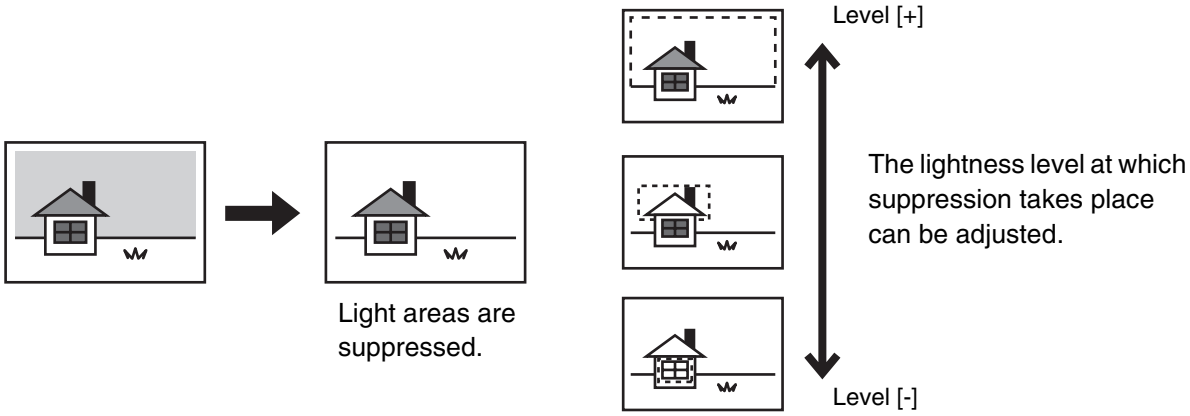
The sharpness setting is also applied when black & white copies are made.

To cancel the sharpness setting...
Select the [Cancel] key in the screen of step 3.

Contents

WHITENING FAINT COLOURS IN COPIES (Suppress Background)

This feature is used to suppress light background areas.



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

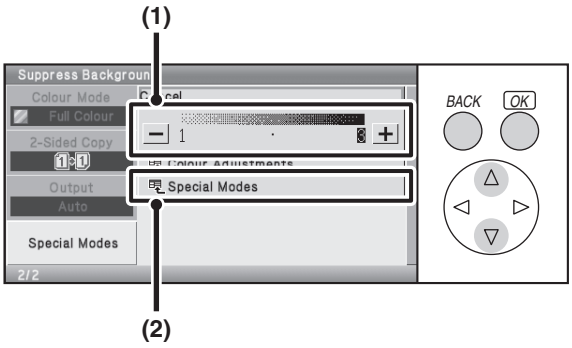
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

(3) Select the [Suppress Background] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Select the suppress background setting.

(1) Adjust the background suppression level.

To suppress only faint background, select the [+] key and press the [OK] key.
To suppress faint to dark background, select the [-] key and press the [OK] key.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 **Press the [COLOUR START] key.**

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

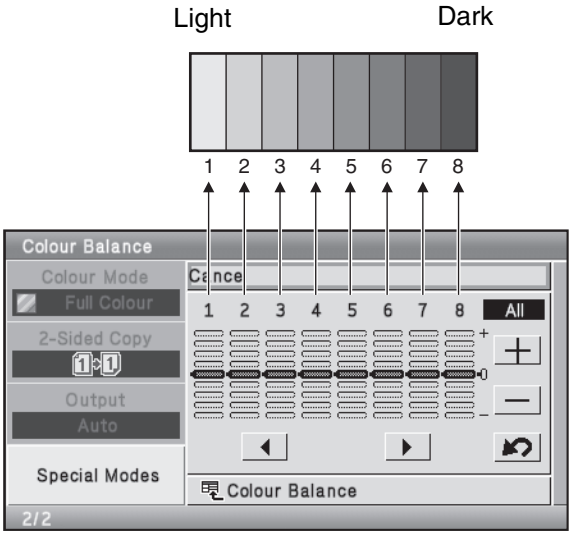
To cancel scanning and copying...
Press the [STOP] key ( ).

To cancel a suppress background setting...
Select the [Cancel] key in the screen of step 3.

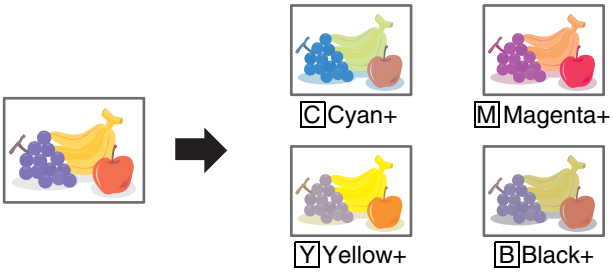
Contents

ADJUSTING THE COLOUR (Colour Balance)

The colour, tone, and density of colour copies can be adjusted.



Each of the colours yellow, cyan, magenta, and black are divided into 8 gradations from light to dark, and the average density of each gradation can be adjusted, or all eight gradations can be adjusted at once.



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.

☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

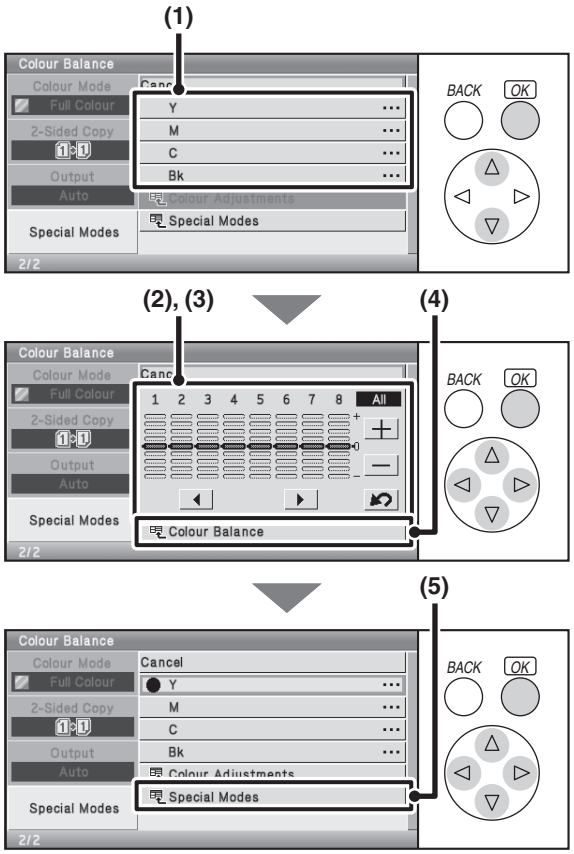
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

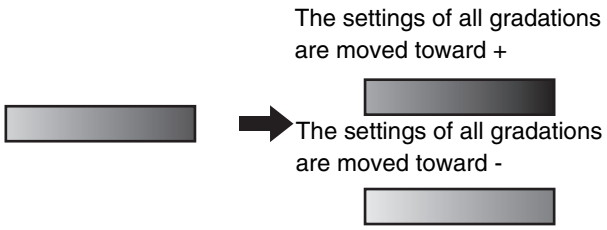
(3) Select the [Colour Balance] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Examples of colour balance adjustment



Adjust the colour balance.

(1) Select the colour to be adjusted.

Select [Y] (yellow), [M] (magenta), [C] (cyan), or [Bk] (black). A icon in front of a number indicates that the adjustment value has been changed.

(2) Select the gradation to be adjusted.

Select the gradation with the ◀ ▶ keys.
Select the ◀ ▶ keys and press the [OK] key to move the highlighting to one of gradations "1" to "8" or "All".
To adjust all eight gradations at once, move the highlighting to "All".

(3) Adjust the density.

To darken the density of the selected gradation, select the [+] key and press the [OK] key. To lighten the density, select the [-] key and press the [OK] key. Each time you press the [OK] key, the indicator frame moves up or down one level.

(4) Select the [Colour Balance] key.

To adjust other colours, repeat steps (1) to (4).

(5) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

To return the colour balance values to the default settings...
Select the ↶ key and press the [OK] key. The values of all eight gradations will return to the default colour balance values.
The default colour balance values are set in "Initial Colour Balance Setting" in the system settings (administrator).

4

Press the [COLOUR START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning and copying...
Press the [STOP] key (⊗).

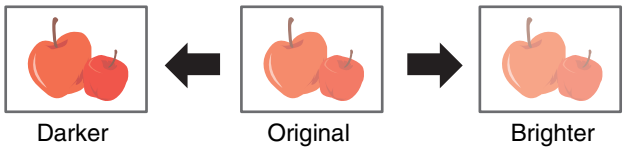
Contents

To cancel a colour balance setting...
Select the [Cancel] key in the screen of step 3.

System Settings (Administrator): Initial Colour Balance Setting
This is used to set the default values to which the colour balance values return when the key is pressed.

ADJUSTING THE BRIGHTNESS OF A COPY (Brightness)

The brightness of colour images can be adjusted.



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

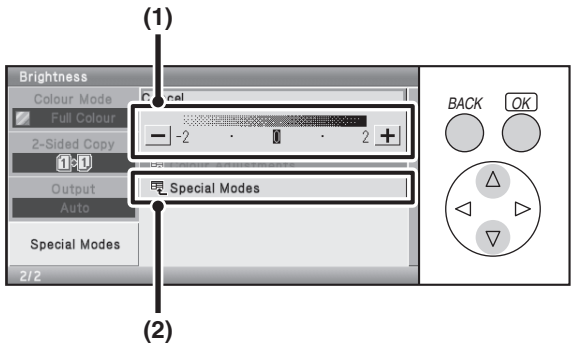
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

(3) Select the [Brightness] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Adjust the brightness.

(1) Adjust the brightness.

To make the image brighter, select the [+] key and press the [OK] key.
To make the image darker, select the [-] key and press the [OK] key.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning and copying...
Press the [STOP] key ( ).

To cancel a brightness setting...
Select the [Cancel] key in the screen of step 3.

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ADJUSTING THE INTENSITY OF A COPY (Intensity)

This is used to adjust the intensity (saturation) of colour images.



Weakening the intensity | Original | Strengthening the intensity

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

2 Select the special modes.

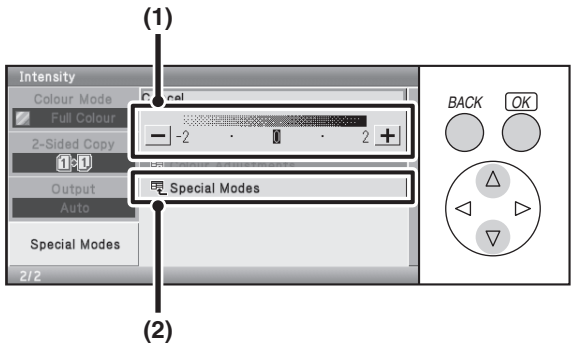
(1) Select the [Special Modes] key.

(2) Select the [Colour Adjustments] key.

(3) Select the [Intensity] key.

☞ [Colour Adjustments] KEY (page 2-88)

3



Adjust the intensity.

(1) Adjust the intensity setting.

To strengthen the intensity, select the [+] key and press the [OK] key.
To weaken the intensity, select the [-] key and press the [OK] key.

(2) Select the [Special Modes] key.

You will return to the special modes screen. Press the [BACK] key to return to the base screen of copy mode.

4 Press the [COLOUR START] key.

Copying will begin.
If you are using the document glass to copy multiple original pages, copying will take place as you scan each original. If you have selected sort mode, change originals and press the [COLOUR START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning and copying...
Press the [STOP] key ( ).

This function cannot be used in combination with "Colour Tone Enhancement" in the copy exposure settings.

To cancel an intensity setting...
Select the [Cancel] key in the screen of step 3.

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CONVENIENT COPY FUNCTIONS

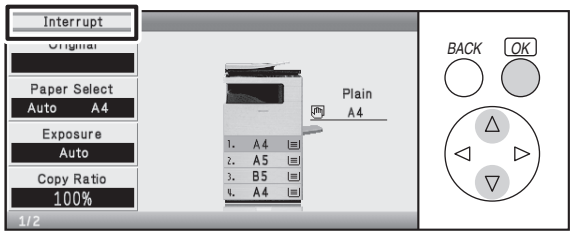
This section explains convenient copy functions such as interrupting a copy run, changing the order of reserved copy jobs, and storing copy settings in a program.

INTERRUPTING A COPY RUN (Interrupt copy)

When you need to make an urgent copy and the machine is busy with a long copy run or other job, use interrupt copy. Interrupt copy temporarily stops the job in progress and lets you perform the interrupt copy job first.

Keys in the display can be selected with the arrow keys and the [OK] key.

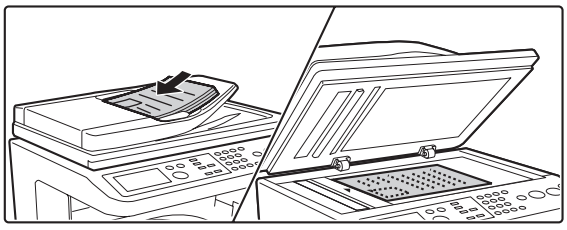
1



Select the [Interrupt] key.

The [Interrupt] key does not appear while an original is being scanned.

2



Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
After placing the original, specify the original size.
☞ ORIGINAL SIZES (page 2-28)

3

Select copy settings and press the [COLOUR START] key or the [BLACK & WHITE START] key.

The interrupt copy job begins.

4

When the interrupt copy job is completed, the interrupted job resumes.

To cancel scanning and copying...
Press the [STOP] key (⊗).

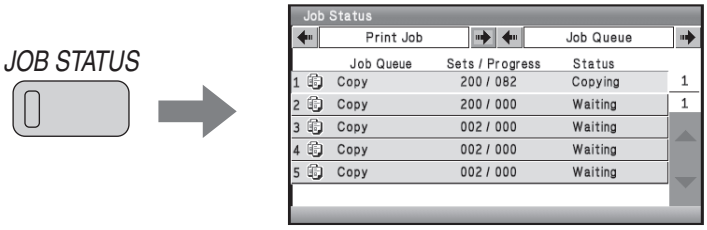
Contents

- If user authentication is enabled, the login screen will appear when the [Interrupt] key is selected. Enter your user name and password to log in. The number of copies made will be added to the count of the user that logged in.
- Depending on the settings of the job in progress, the [Interrupt] key may not appear.
- Depending on the settings of the job in progress, the [Reserve] key may appear instead of the [Interrupt] key. Unlike interrupt copy, reserve copy does not temporarily stop the job in progress. Instead, the reserve copy job begins when the job in progress is finished.
- Interrupt copy cannot be used in combination with the following special modes:
  Job Build, Card Shot
- If the document glass is used for an interrupt copy job, 2-sided copying, sort copying, and staple sort copying cannot be selected. If any of these functions are necessary, use the automatic document feeder.
- The [Interrupt] key can be selected in the scanning completion check screen to temporarily stop scanning and scan an original or originals for a different job. When scanning for the interrupt job is finished, scanning of the originals for the interrupted job will resume. The interrupt job will be output when the interrupted copy job is completed.

JOB STATUS SCREEN

The job status screen is displayed when the [JOB STATUS] key on the operation panel is pressed. The job status screen shows the status of jobs by mode. When the [JOB STATUS] key is pressed, the job status screen of the mode that was being used before the key was pressed appears.

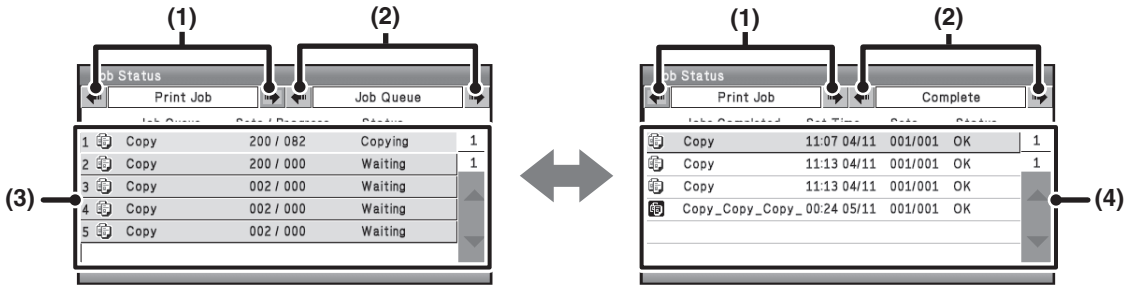
Example: Pressing the key in copy mode



Contents

JOB QUEUE SCREEN AND COMPLETED JOB SCREEN

The job status screen consists of the job queue screen that shows copy and print jobs waiting to be printed and the job currently in progress, the completed job screen that shows jobs that have been completed, and the spool screen that shows print jobs that have been spooled and encrypted PDF jobs that are waiting for a password to be entered. This section explains the job queue screen and the completed jobs screen, which are related to copy mode. The job status screen switches between the job queue screen and the completed jobs screen each time the job status screen selector key is selected.



(1) Mode select keys ( )

Select these keys to select the mode that is shown in the job status screen.
The status of copy jobs can be checked by selecting the [Print Job].

(2) Job status screen selector keys ( )

Select these keys to switch through the job queue screen, the completed jobs screen, and the spool screen.

(3) Job list (job queue screen)

Jobs waiting to be printed appear in the job queue as keys. The jobs are printed in order from the top of the queue. Each job key shows information on the job and the current status of the job.

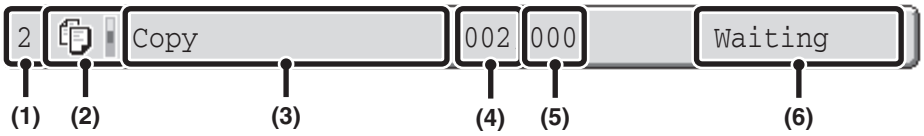
(4) Job list (completed jobs screen)

This shows up to 99 completed jobs. The result (status) of each completed job is shown.

Contents

Job key display

Each job key shows the position of the job in the job queue and the current status of the job.



(1) Indicates the number (position) of the job in the job queue.

When the job currently being printed is finished, the job moves up one position in the job queue.
This number does not appear in keys in the completed jobs screen.

(2) Mode icon

The icon appears when the job is a copy job. In the completed jobs screen, a colour bar appears next to the icon to indicate whether the job was executed in colour or black & white.

(3) Job name

"Copy" appears for a copy job.
When user authentication is enabled, the name of the user that performed the job appears.

(4) Number of copies (sets) entered

This shows the number of copies (sets) specified.

(5) Number of completed copies

This shows the number of copies (sets) completed. "000" appears while the job is waiting in the job queue.

(6) Status

Shows the job status.

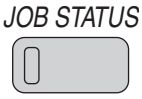
Message	Status
"Copying"	Copying is in progress.
"Waiting"	Scanning the original.
"Toner Empty"	The toner cartridge is out of toner. Replace the toner cartridge with a new cartridge.
"Paper Empty"	The paper used for the job has run out. Add paper or change to a different paper tray.
"Limit"	The copy page limit has been exceeded. Check with the administrator of the machine.
"Error"	An error occurred while the job was being executed. Clear the error condition.

CANCELLING A JOB THAT IS WAITING IN THE QUEUE

A copy job that is waiting to be printed can be cancelled.

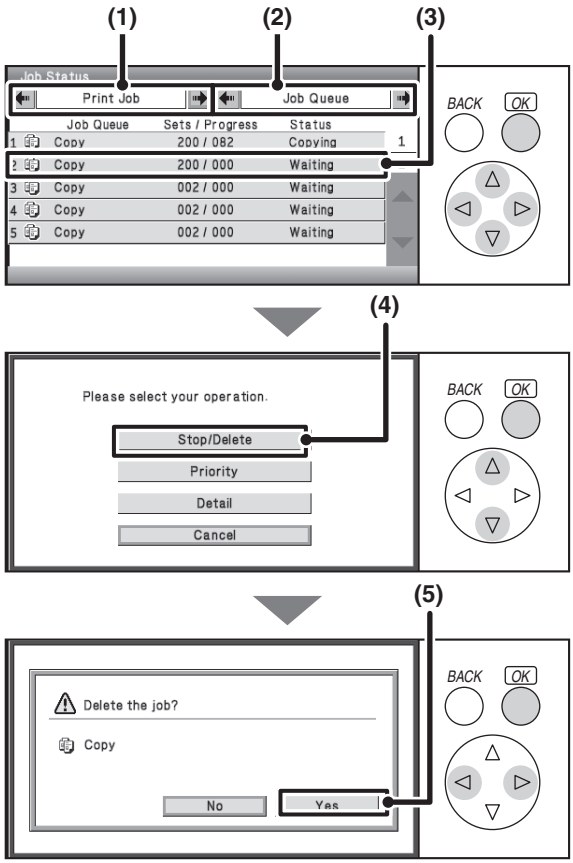
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Cancel the job.

(1) Change the job status mode to [Print Job].

Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Job Queue].

Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the key of the copy job that you wish to cancel.

(4) Select the [Stop/Delete] key.

(5) A message appears to confirm the cancellation. Select the [Yes] key.

The selected job key is deleted and printing is cancelled.

If the job in progress is a copy job, you can also press the [STOP] key (⊗) to display the above screen. To cancel, select the [Yes] key.

If you do not want to cancel the selected print job...
Select the [No] key in step (5).

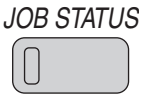
Contents

GIVING PRIORITY TO A JOB IN THE QUEUE

If a copy job is begun when there are already multiple jobs in the queue, the copy job will appear at the end of the queue. However, if you have an urgent copy job, you can give priority to the job and have it executed first.

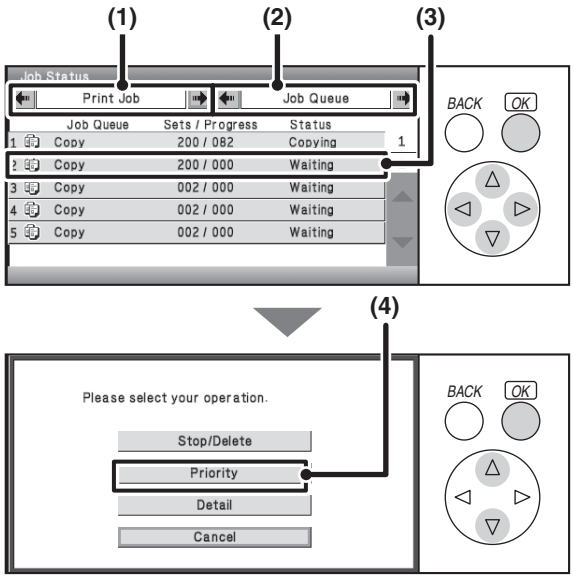
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Give the desired job priority.

(1) Change the job status mode to [Print Job].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Job Queue].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the key of the copy job to which you want to give priority.

(4) Select the [Priority] key.

The job being printed stops and the job selected in (3) is printed.

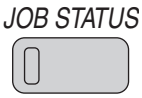
Contents

CHECKING INFORMATION ON A COPY JOB WAITING IN THE QUEUE

Detailed information can be displayed on a copy job waiting in the queue.

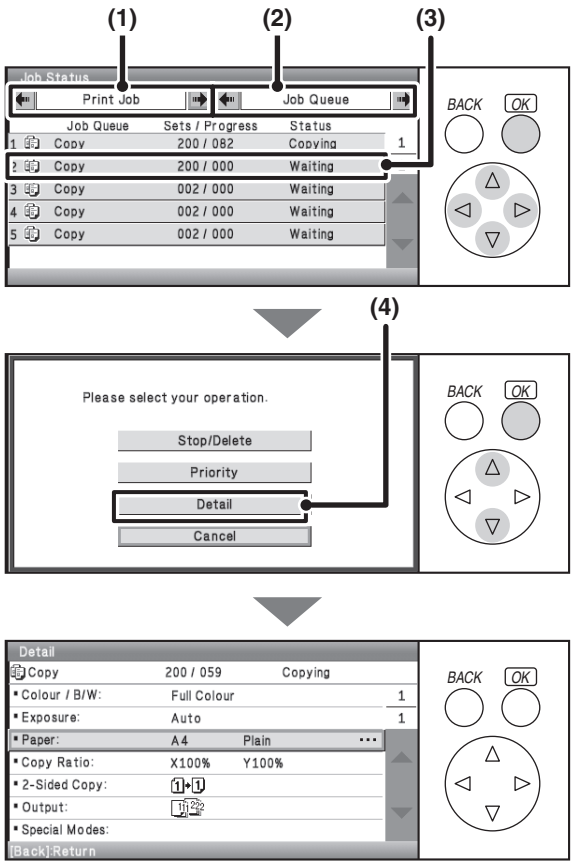
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Checking job details

(1) Change the job status mode to [Print Job].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Job Queue].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the key of the job that you wish to check.

(4) Select the [Detail] key.

The job check screen of the job selected in (3) appears.

[Paper Select] key

If a copy job is stopped because the paper ran out, the [Paper Select] key can be pressed to change to a different paper tray.

When the [Paper Select] key is pressed, the paper tray selection screen appears.

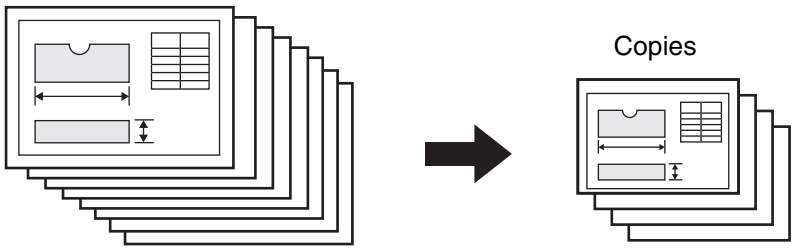
☞ PAPER TRAYS (page 2-9)

Select the key of the tray that has the size of paper that you wish to use and then press the [OK] key. The stopped copy job will resume.

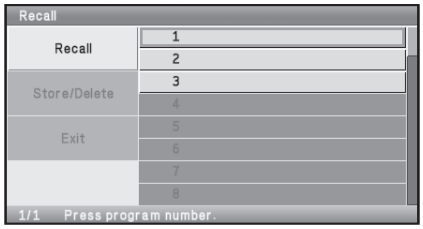
STORING COPY OPERATIONS (Job Programs)

A job program is a group of copy settings stored together. When copy settings are stored in a job program, the settings can be retrieved and used for a copy job by means of a simple operation.
For example, suppose A4 (8-1/2" x 11") size CAD drawings are copied once a month for archive purposes using the following settings:

A4 (8-1/2" x 11") size CAD drawings



(1) The A4 (8-1/2" x 11") size CAD drawings are reduced to A5 (5-1/2" x 8-1/2") size.
(2) The drawings have fine lines that do not show clearly, and thus a dark exposure setting (level 4) is used.
(3) To reduce paper use by half, 2-sided copying is used.

When a job program is not stored	When a job program is stored
Set A4 (8-1/2" x 11") to A5 (5-1/2" x 8-1/2") reduction ↓ Change the exposure setting ↓ Select 2-sided copying ↓ Press the [COLOUR START] key or the [BLACK & WHITE START] key.	[#/P] Press the [#/P] key. ↓ Select the [Recall] key and press the [OK] key ↓  Select the stored program key and press the [OK] key. ↓ Press the [COLOUR START] key or the [BLACK & WHITE START] key.
Considerable time is required to copy the drawings each month because the above settings must be selected. In addition, mistakes are occasionally made when selecting the settings, so some copies must be redone.	The settings are stored in a job program, so they can be selected by the select of a key. This is simple and takes no time. In addition, the settings are all stored so there are no chances for mistakes, and thus no need to redo copies due to setting mistakes.

- Up to 48 job programs can be stored. The job programs are retained even if an interruption occurs in the power supply.
- Job programs can also be stored in the Web pages. Click [Job program] and then [Copy] in the Web page menu to store a job program.

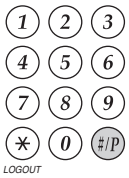
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STORING (EDITING/DELETING) A JOB PROGRAM

The procedures for storing copy settings in a job program and deleting a job program are explained below.

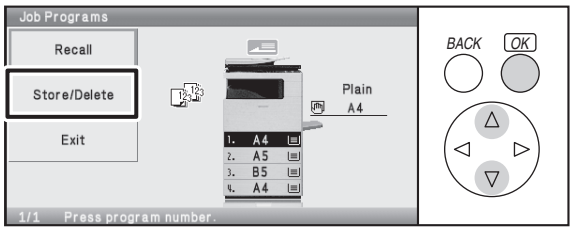
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [#/P] key (#/P).

2



Select the [Store/Delete] key.

3



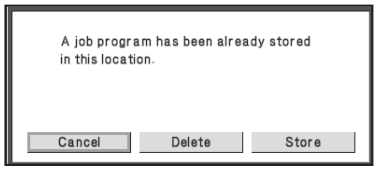
Select a numeric key.

Numeric keys in which job programs are already stored are highlighted.

- To store a job program, select a numeric key that is not highlighted.
- To edit or delete a job program, select the key in which the job program is stored (highlighted key).

Editing or deleting a job program...

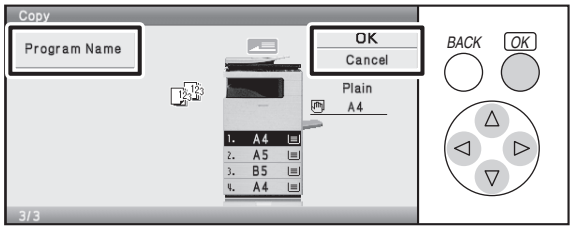
When a highlighted numeric key is selected, the following screen appears.
The [Store] key can be selected to delete the stored settings and store new settings. Go to the next step.
When the [Delete] key is selected, the stored settings are deleted. After the deletion is finished, select the [Exit] key to return to the base screen.



When "Disabling Deletion of Job Programs" is enabled in the system settings, a stored job program cannot be edited or deleted.

Contents

4



Select the copy settings that you wish to store in the job program and press the [OK] key.

To assign a name to the program, select the [Program Name] key and press the [OK] key. A text entry screen will appear.
Up to 10 characters can be entered for the name.
When you have finished, select the [OK] key.
You will return to the base screen with the stored information reflected in the screen.

The number of copies cannot be stored.

Contents

CHAPTER 3 PRINTER

This chapter provides detailed explanations of the procedures for using the printer function.
For the procedures for using the display of the machine, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".
For the procedure for accessing the Web pages, see the Quick Start Guide.
For the procedures for using the Web page, see "USING THE WEB PAGE" (page 1-13) in "1. BEFORE USING THE MACHINE".

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APPENDIX

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PRINTER FUNCTION OF THE MACHINE

The machine is equipped standard with a full colour printing function. To enable printing from your computer, a printer driver must be installed.

See the table below to determine which printer driver to use in your environment.

Environment	Printer driver type	Remarks
Windows	**PCL6, PCL5c*** The machine supports the Hewlett-Packard PCL6 and PCL5c printer control languages. It is recommended that you use the PCL6 printer driver. If you have a problem printing from older software using the PCL6 printer driver, use the PCL5c printer driver. * The PCL5c printer driver cannot be available in some countries.	Can be used in the standard machine configuration.
Windows Macintosh	**PS** This printer driver supports the PostScript 3 page description language developed by Adobe Systems Incorporated, and enables the machine to be used as a PostScript 3 compatible printer. (A PPD file is available if it is desired to use the Windows standard PS printer driver.)	The PS3 expansion kit must be installed.

Installing the printer driver in a Windows environment

To install the printer driver and configure settings in a Windows environment, see "2. SETUP IN A WINDOWS ENVIRONMENT" in the Software Setup Guide.

The explanations in this manual of printing in a Windows environment generally use the screens of the PCL6 printer driver. The printer driver screens may differ slightly depending on the printer driver that you are using.

Installing the printer driver in a Macintosh environment

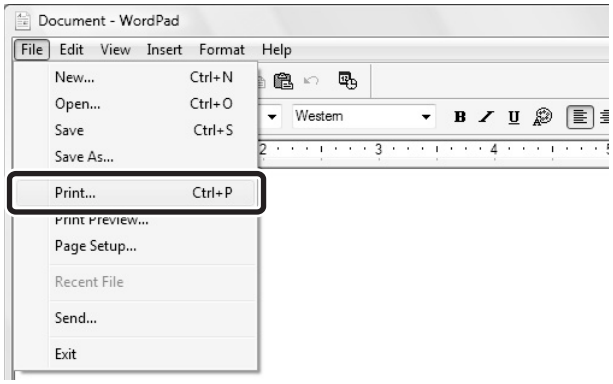
In a Macintosh environment, the PS3 expansion kit must be installed to use the machine as a network printer.
To install the printer driver and configure settings in a Macintosh environment, see "3. SETUP IN A MACINTOSH ENVIRONMENT" in the Software Setup Guide.

PRINTING FROM WINDOWS

BASIC PRINTING PROCEDURE

The following example explains how to print a document from "WordPad", which is a standard accessory program in Windows.

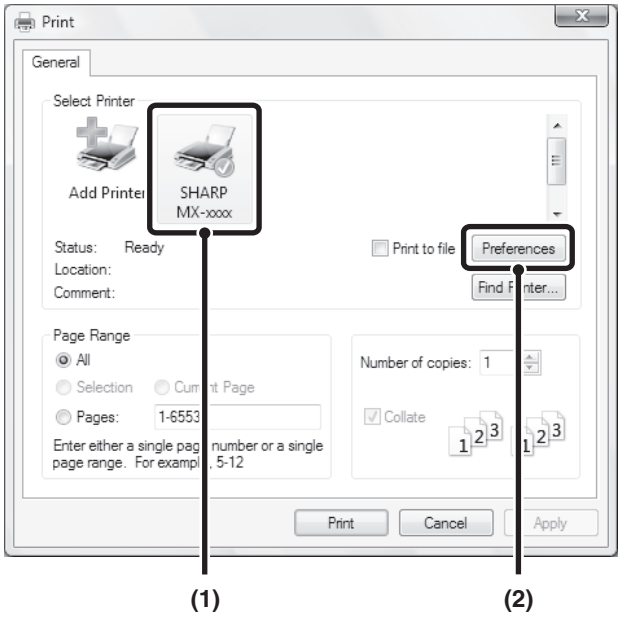
1



Select [Print] from the [File] menu of WordPad.

The menu used to execute printing may vary depending on the software application.

2



Open the printer driver properties window.

(1) Select the printer driver of the machine.

- If the printer drivers appear as icons, click the icon of the printer driver to be used.
- If the printer drivers appear as a list, select the name of the printer driver to be used from the list.

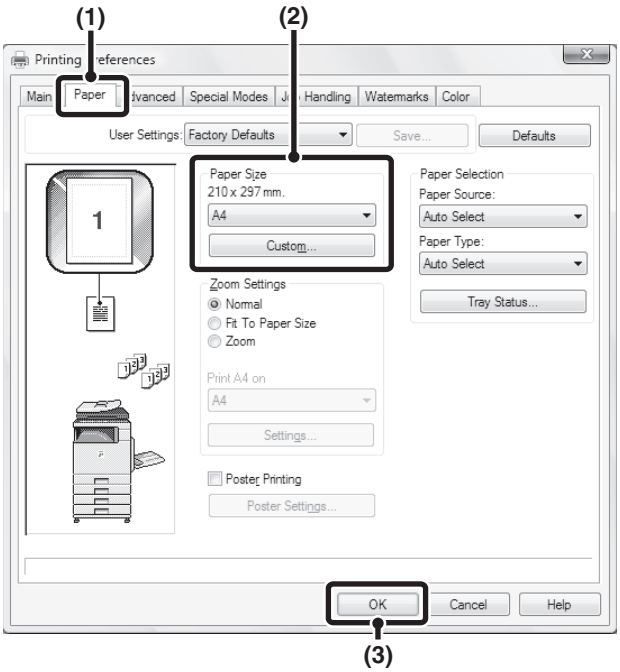
(2) Click the [Preferences] button.

- If you are using Windows 2000, the [Preferences] button does not appear. Click a tab on the "Print" dialog box to adjust the settings on that tab.
- In Windows 98/Me/NT 4.0, click the [Properties] button.

The button that is used to open the printer driver properties window (usually [Properties] or [Printing Preferences]) may vary depending on the software application.

Contents

3



Select print settings.

(1) Click the [Paper] tab.

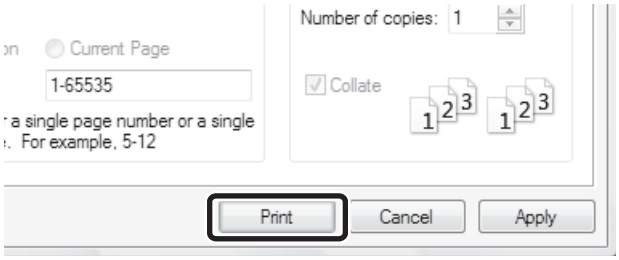
(2) Select the paper size.

To select settings on other tabs, click the desired tab and then select the settings.

(3) Click the [OK] button.

- Make sure the paper size is the same as the paper size set in the software application.
- Up to eight custom paper sizes can be stored. Storing a custom paper size makes it easy to specify that size each time you need to use it.
  To store a paper size, select [Custom Paper] or one of [User1] to [User7] from the pull-down menu and click the [Custom] button.

4



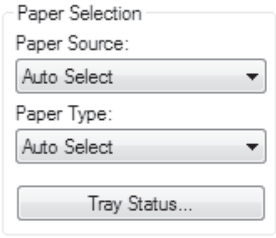
Click the [Print] button.

Printing begins.
In Windows 98/Me/NT 4.0, click the [OK] button.

Contents

SELECTING THE PAPER

This section explains how to configure the "Paper Selection" setting on the [Paper] tab of the printer driver properties window.
Before printing, check the paper sizes, paper types, and paper remaining in the machine's trays. To view the most recent tray information, click the [Tray Status] button.



- **When [Auto Select] is selected in "Paper Source"**
  The tray that has the size and type of paper selected in "Paper Size" and "Paper Type" on the [Paper] tab is automatically selected.
- **When other than [Auto Select] is selected in "Paper Source"**
  The specified tray is used for printing regardless of the "Paper Size" setting.
  When [Bypass Tray] is selected
  The "Paper Type" must also be selected. Check the bypass tray and make sure that the desired type of paper is loaded, and then select the appropriate "Paper Type" setting.

- Special media such as envelopes can also be placed in the bypass tray. For the procedure for loading paper and other media in the bypass tray, see "LOADING PAPER IN THE BYPASS TRAY" (page 1-45) in "1. BEFORE USING THE MACHINE".
- When "Enable Detected Paper Size in Bypass Tray" (Web page only : disabled by factory default) or "Enable Selected Paper Type in Bypass Tray" (Web page only : enabled by factory default) is enabled in the system settings (administrator), printing will not take place if the paper size or paper type specified in the printer driver is different from the paper size or paper type specified in the settings of the bypass tray.

- **When [Auto Select] is selected in "Paper Type"**
  A tray with plain paper or recycled paper of the size specified in "Paper Size" is automatically selected. (The factory default setting is plain paper only.)
- **When other than [Auto Select] is selected in "Paper Type"**
  A tray with the specified type of paper and the size specified in "Paper Size" is used for printing.

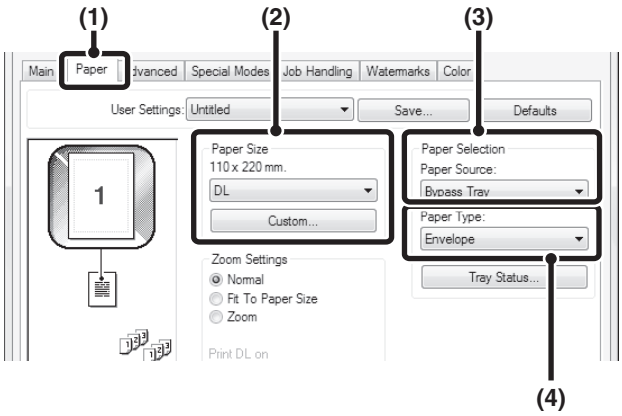
System Settings (Administrator): Exclude Bypass-Tray from Auto Paper Select (Web page only)
When [Auto Select] is selected in "Paper Selection", specify whether or not the paper in the bypass tray will be excluded from the paper that can be selected. This setting is disabled by factory default, and thus paper in the bypass tray is included in the paper that can be automatically selected. If special media are frequently loaded in the bypass tray, it is recommended that this setting be enabled.

PRINTING ON ENVELOPES

The bypass tray can be used to print on special media such as envelopes. The procedure for printing on an envelope from the printer driver properties screen is described below.

For the types of paper that can be used in the bypass tray, see "IMPORTANT POINTS ABOUT PAPER" (page 1-40) in "BEFORE USING THE MACHINE". For the procedure for loading paper in the bypass tray, see "LOADING PAPER IN THE BYPASS TRAY" (page 1-45) in "1. BEFORE USING THE MACHINE".

Select the envelope size in the appropriate settings of the application ("Page Settings" in many applications) and then perform the following steps.



(1) Click the [Paper] tab.

(2) Select the envelope size from the "Paper Size" menu.

(3) Select [Bypass Tray] from the "Paper Source" menu of "Paper Selection".

(4) Select [Envelope] from the "Paper Type" menu.

Set the paper type of the bypass tray to [Envelope] and make sure the envelope is loaded in the bypass tray.

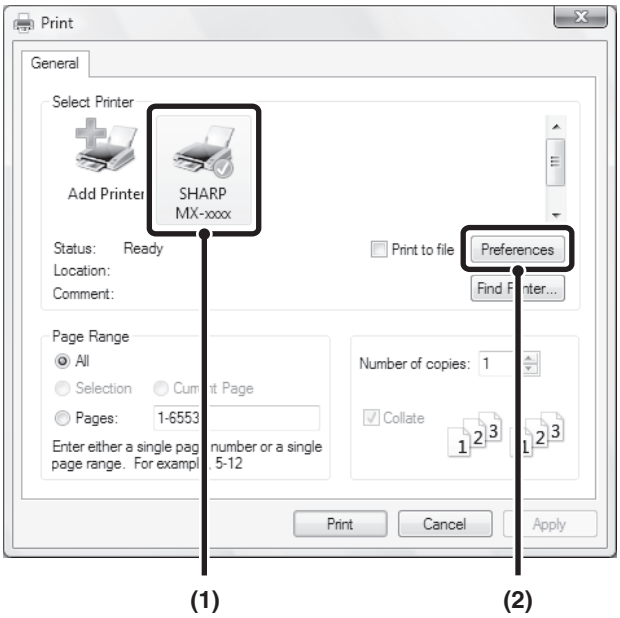
- It is recommended that you do a test print to check the print result before using an envelope.
- In the case of media that can only be loaded in a certain orientation such as an envelope, you can rotate the image 180 degrees if needed. For more information, see "ROTATING THE PRINT IMAGE 180 DEGREES (Rotate 180 degrees)" (page 3-37).
- For more information on "Paper Selection", see "SELECTING THE PAPER" (page 3-6).

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PRINTING WHEN THE USER AUTHENTICATION FUNCTION IS ENABLED

When the user authentication function is enabled, your user information (login name, password, etc.) must be entered in the printer driver properties window before you can print. The information that must be entered varies depending on the authentication method being used, so check with the administrator of the machine before printing.

1



Open the printer driver properties window from the print window of the software application.

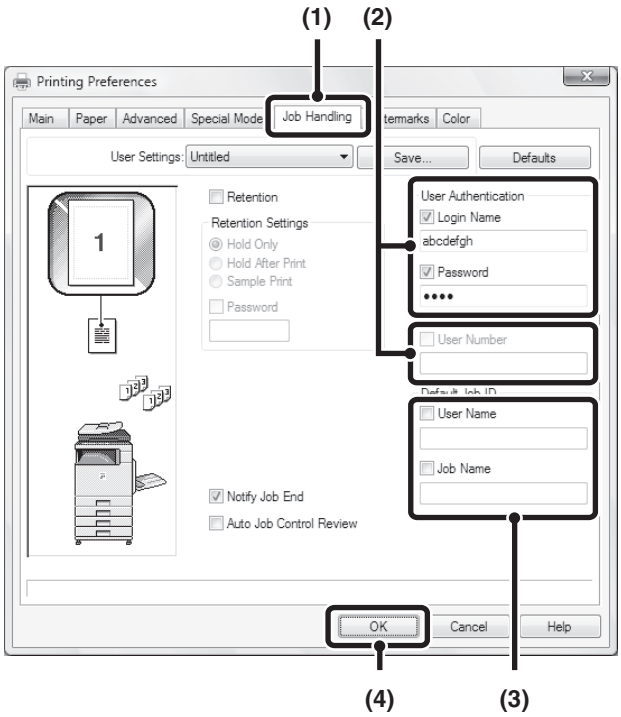
(1) Select the printer driver of the machine.

(2) Click the [Preferences] button.

The button that is used to open the printer driver properties window (usually [Properties] or [Printing Preferences]) may vary depending on the software application.

Contents

2



Enter your login name and password.

(1) Click the [Job Handling] tab.

(2) Enter your user information.

- **When authentication is by login name/password**
  Select the [Login Name] and [Password] checkboxes so that checkmarks ☑ appear, and enter your login name and password. Enter 1 to 32 characters for the password.
- **When authentication is by user number**
  Click the [User Number] checkbox ☑ and enter a user number (5 to 8 digits).

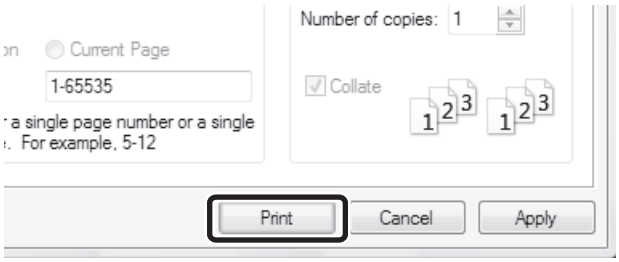
(3) Enter the user name and job name as necessary.

- **User Name**
  Click the [User Name] checkbox ☑ and enter your user name (maximum of 32 characters). Your entered user name will appear at the top of the operation panel. If you do not enter a user name, your computer login name will appear.
- **Job Name**
  Click the [Job Name] checkbox ☑ and enter a job name (maximum of 30 characters). The entered job name will appear at the top of the operation panel as a file name. If you do not enter a job name, the file name set in the software application will appear.

(4) Click the [OK] button.

To have a confirmation window appear before printing starts, select the [Auto Job Control Review] checkbox so that a checkmark ☑ appears.

3



Start printing.

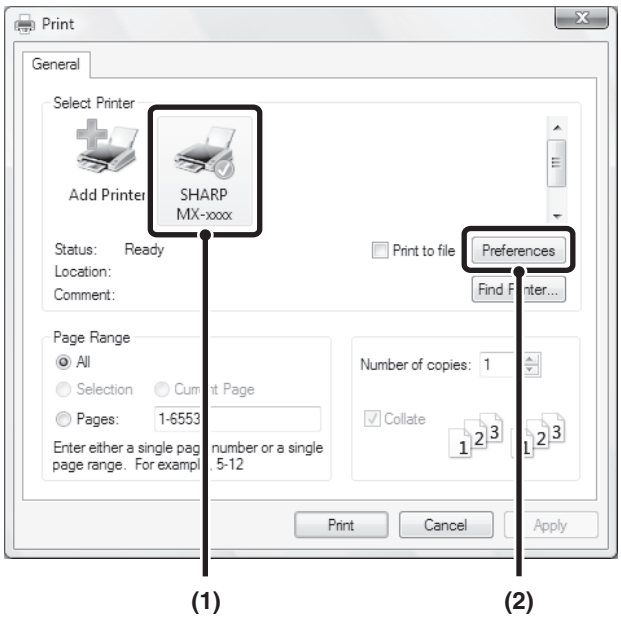
- When user authentication is enabled, printing is possible without entering user information if black and white printing is set in the printer driver. For black and white print settings, see "BLACK AND WHITE PRINTING" (page 3-24). The number of pages printed is added to the "Other User" count. In this case, other print functions may be restricted. For more information, ask your administrator.
- The machine's user authentication function cannot be used when the PPD file* is installed and the Windows standard PS printer driver is used. For this reason, printing will not be possible if printing by invalid users is prohibited.
  * The PPD file enables the machine to print using the standard PS printer driver of the operating system.
- Disabling of Printing by Invalid User
  This is used to prohibit printing of print jobs by users whose user information is not stored in the machine. When this function is enabled, printing is not allowed when user information is not entered or incorrect information is entered.
  This setting can be configured in [User Control] - [Default Settings] - [Disabling of Printing by Invalid User] in the Web page menu. (Administrator rights are required.)

Contents

VIEWING PRINTER DRIVER HELP

When selecting settings in the printer driver, you can display Help to view explanations of the settings.

1



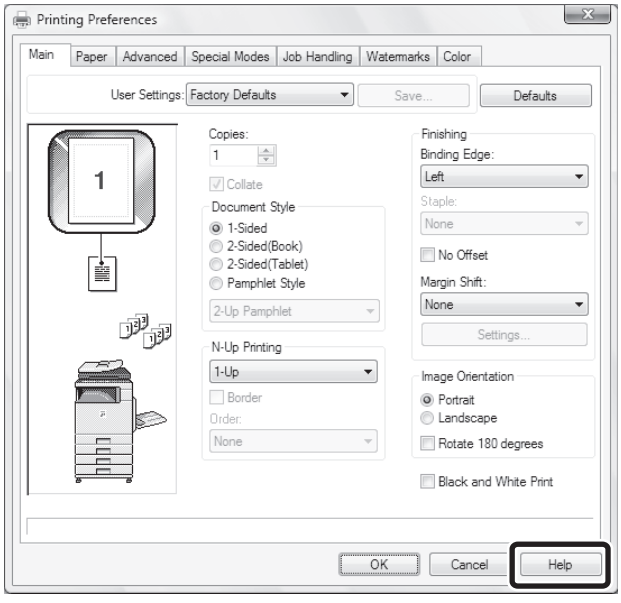
Open the printer driver properties window from the print window of the software application.

(1) Select the printer driver of the machine.

(2) Click the [Preferences] button.

The button that is used to open the printer driver properties window (usually [Properties] or [Printing Preferences]) may vary depending on the software application.

2



Click the [Help] button.

The Help window will open to let you view explanations of the settings on the tab.
To view Help for settings in a dialog box, click the underlined text at the top of the Help window.

Pop-up help

Help can be displayed for a setting by clicking the setting and pressing the [F1] key.

* To view Help for a setting in Windows 98/Me/NT 4.0/2000/XP/Server 2003, click the ? button in the upper right-hand corner of the printer driver properties window and then click the setting.
  You can also view the same Help by right-clicking the setting and clicking the [Help] box that appears.

Information icon

Some restrictions exist on the combinations of settings that can be selected in the printer driver properties window. When a restriction exists on a selected setting, an information icon ( ) will appear next to the setting. Click the icon to view an explanation of the restriction.

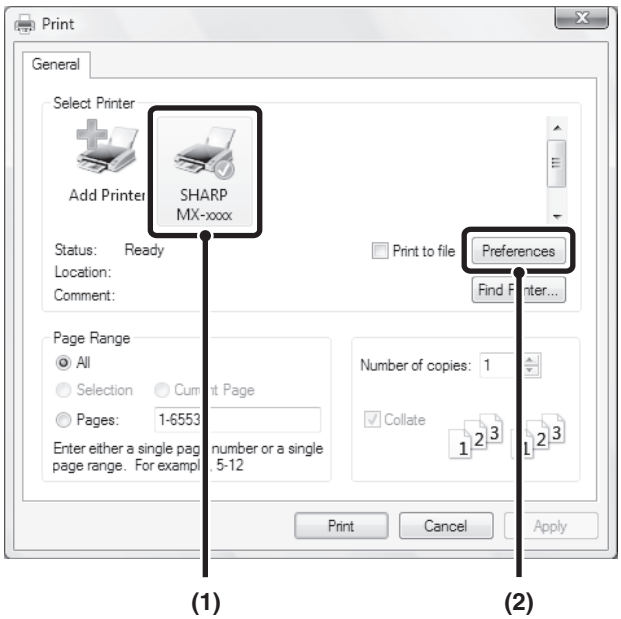
SAVING FREQUENTLY USED PRINT SETTINGS

Settings configured on each of the tabs at the time of printing can be saved as user settings. Saving frequently used settings or complex colour settings under an assigned name makes it easy to select those settings the next time you need to use them.

SAVING SETTINGS AT THE TIME OF PRINTING

Settings can be saved from any tab of the printer driver properties window. Settings configured on each tab are listed at the time of saving, allowing you to check the settings as you save them.

1



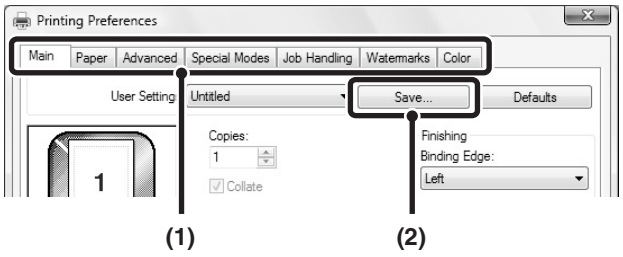
Open the printer driver properties window from the print window of the software application.

(1) Select the printer driver of the machine.

(2) Click the [Preferences] button.

The button that is used to open the printer driver properties window (usually [Properties] or [Printing Preferences]) may vary depending on the software application.

2



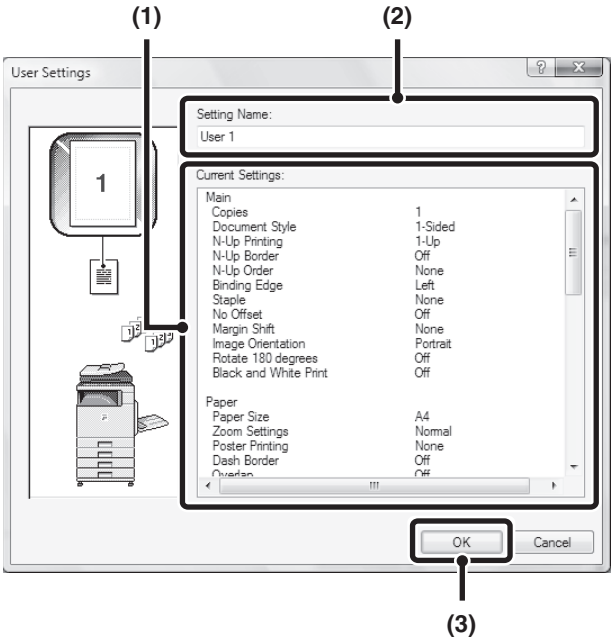
Save the print settings.

(1) Configure print settings on each tab.

(2) Click the [Save] button.

Contents

3



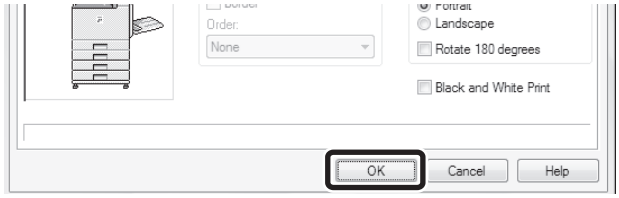
Check and save the settings.

(1) Check the displayed settings.

(2) Enter a name for the settings (maximum of 20 characters).

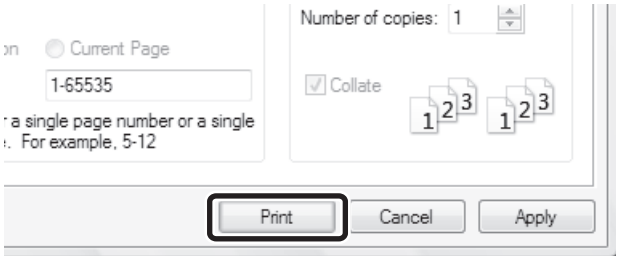
(3) Click the [OK] button.

4



Click the [OK] button.

5

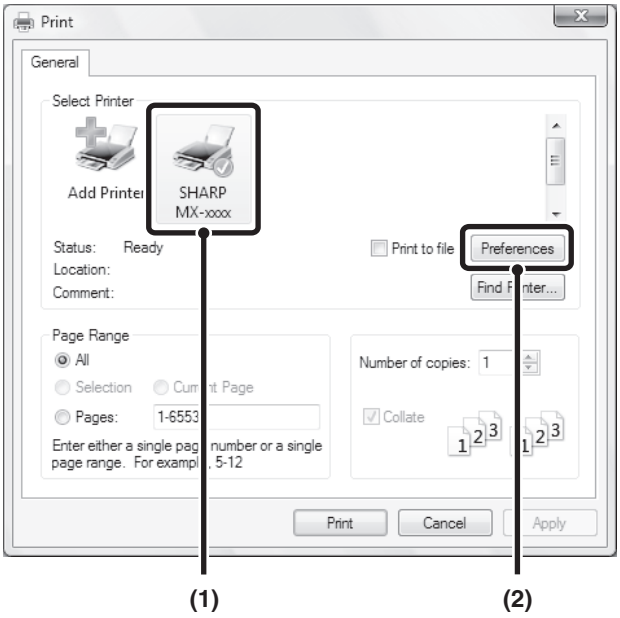


Start printing.

- Up to 30 sets of user settings can be saved.
- The following items cannot be saved in user settings.
  - A watermark that you created
  - Paper insertion settings
  - Overlay file
  - The login name, password, user name, and job name entered in the [Job Handling] tab

USING SAVED SETTINGS

1



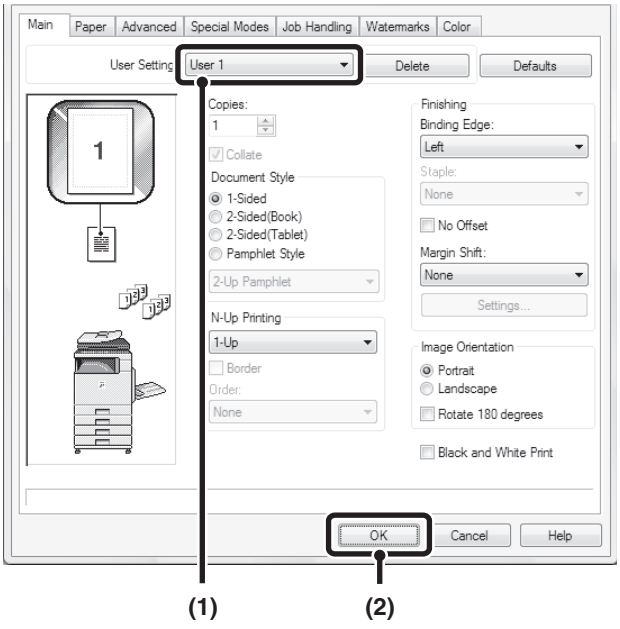
Open the printer driver properties window from the print window of the software application.

(1) Select the printer driver of the machine.

(2) Click the [Preferences] button.

The button that is used to open the printer driver properties window (usually [Properties] or [Printing Preferences]) may vary depending on the software application.

2

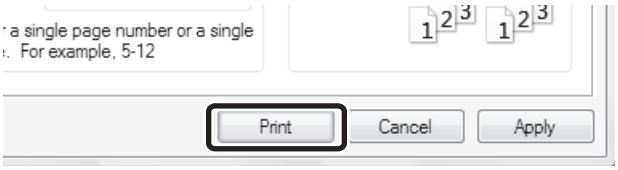


Select the print settings.

(1) Select the user settings that you wish to use.

(2) Click the [OK] button.

3



Start printing.

Deleting saved settings

Select the user settings that you want to delete in (1) of step 2 above, and click the [Delete] button.

Contents

CHANGING THE PRINTER DRIVER DEFAULT SETTINGS

The default settings of the printer driver can be changed using the procedure below. The settings selected using this procedure are saved and become the default settings when printing from a software application. (Settings selected in the printer driver properties window when printing from an application remain in effect only while the application is in use.)

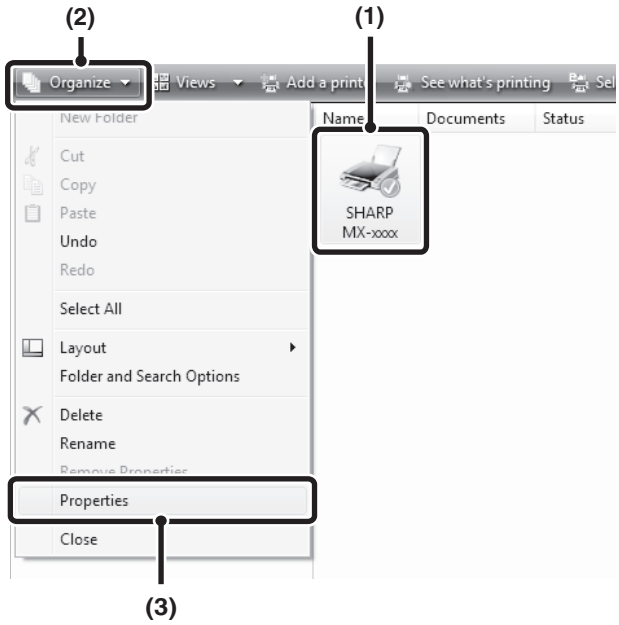
1

Click the [Start] button ( ) and select [Control Panel] and then [Printer].

- In Windows XP/Server 2003, click the [start] button and then click [Printers and Faxes].
- In Windows 98/Me/NT 4.0/2000, click the [Start] button, point to [Settings], and then select [Printers].

In Windows XP, if [Printers and Faxes] does not appear in the [start] menu, select [Control Panel], select [Printers and Other Hardware], and then select [Printers and Faxes].

2



Open the printer properties window.

(1) Click the icon of the printer driver of the machine.

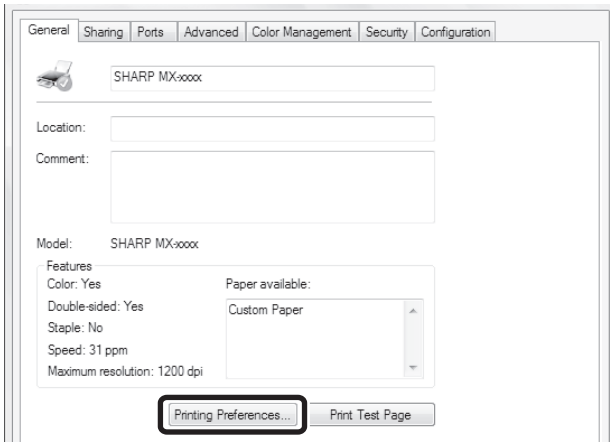
(2) Click the [Organize] menu.

In Windows 98/Me/NT 4.0/2000/XP/Server 2003, click the [File] menu.

(3) Select [Properties].

In Windows NT 4.0, select [Document Defaults] from the [File] menu to open the printer driver properties window. Go to step 4.

3

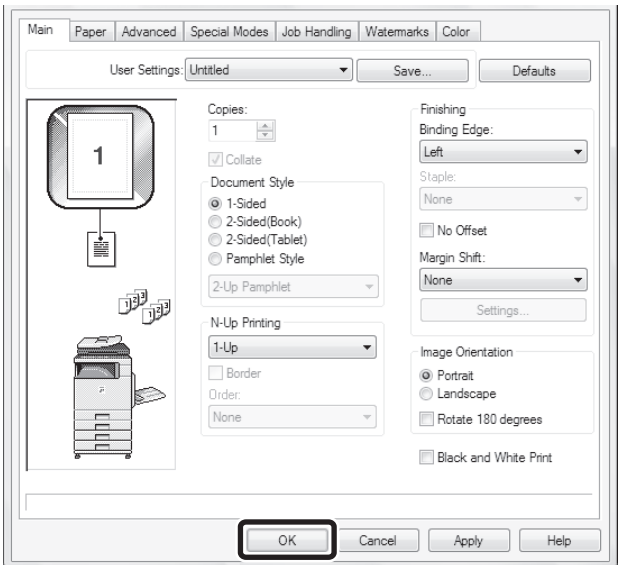


Click the [Printing Preferences] button on the [General] tab.

In Windows 98/Me, click the [Setup] tab.

Contents

4



Configure the settings and click the [OK] button.

For explanations of the settings, see printer driver Help.

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PRINTING FROM A MACINTOSH

BASIC PRINTING PROCEDURE

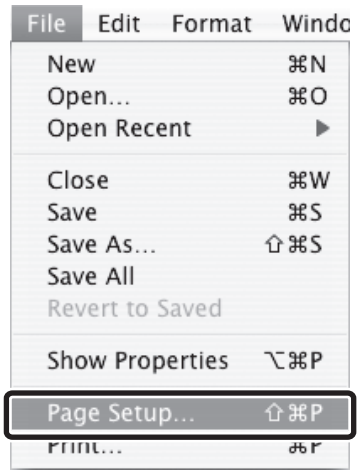
The following example explains how to print a document from the standard accessory program "TextEdit" in Mac OS X ("SimpleText" in Mac OS 9).

To use the machine as a printer for the Macintosh, the PS3 expansion kit must be installed in the machine and the machine must be connected to a network. To install the PPD file and configure printer driver settings, see "3. SETUP IN A MACINTOSH ENVIRONMENT" in the Software Setup Guide.

SELECTING PAPER SETTINGS

Select paper settings in the printer driver before selecting the print command.

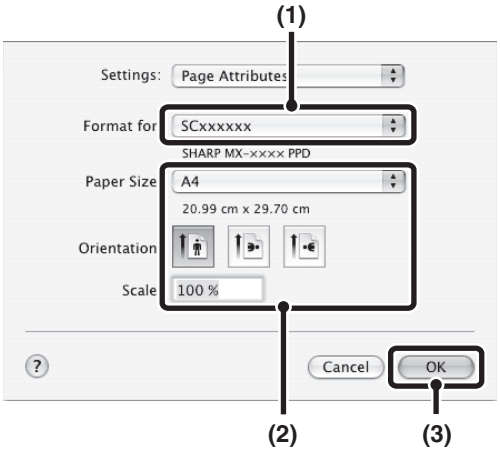
1



Select [Page Setup] from the [File] menu of TextEdit.

In Mac OS 9, select [Page Setup] from the [File] menu of SimpleText.

2



Select paper settings.

(1) Make sure that the correct printer is selected.

(2) Select paper settings.

The paper size, paper orientation, and enlarge/reduce can be selected.

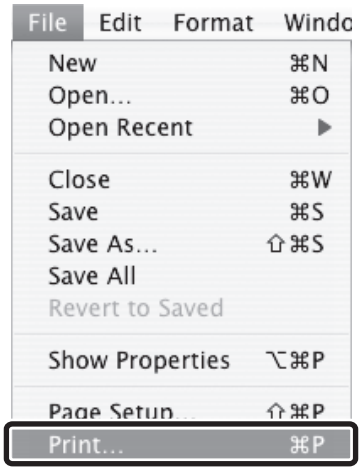
(3) Click the [OK] button.

The machine name that appears in the "Format for" menu is normally [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on your machine model.)

Contents

PRINTING

1

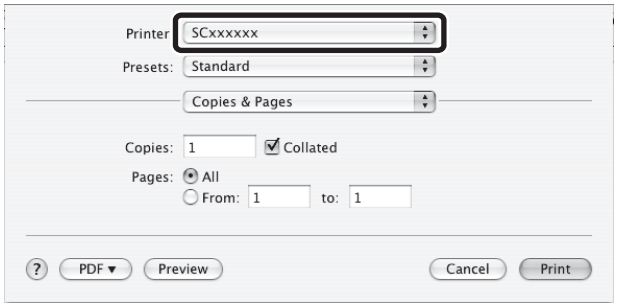


Select [Print] from the [File] menu of TextEdit.

In Mac OS 9, select [Print] from the [File] menu of SimpleText.

The menu used to execute printing may vary depending on the software application.

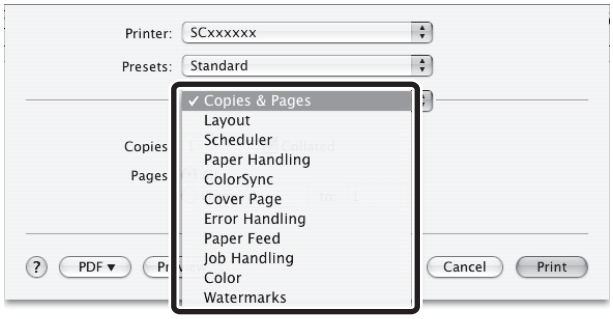
2



Make sure that the correct printer is selected.

The machine name that appears in the "Printer" menu is normally [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on the machine model.)

3

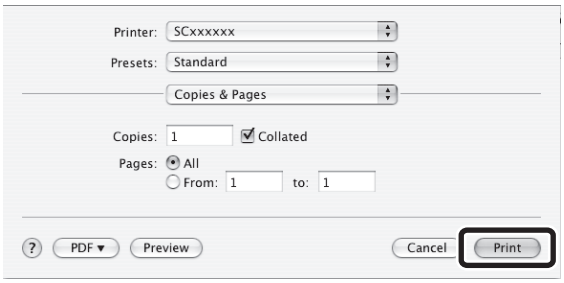


Select print settings.

- In Mac OS X, click next to [Copies & Pages] and select the settings that you wish to configure from the pull-down menu. The corresponding setting screen will appear. If the settings do not appear in Mac OS X v10.5 to 10.5.1, click "" next to the printer name.
- In Mac OS 9, click next to [General] and select the settings that you wish to configure from the pull-down menu. The corresponding setting screen will appear.

Contents

4



Click the [Print] button.

Printing begins.

Contents

SELECTING THE PAPER

This section explains the [Paper Feed] settings ("Paper Source" setting in [General] in Mac OS 9) in the print settings window.

- **When [Auto Select] is selected**
  A tray with plain paper or recycled paper (the factory default setting is plain paper only) of the size specified in "Paper Size" in the page settings window is automatically selected.
- **When a paper tray is selected**
  The specified tray is used for printing regardless of the "Paper Size" setting in the page settings window.
  For the bypass tray, a paper type can also be specified. Make sure that the paper type setting for the bypass tray is correct and that the set type of paper is actually loaded in the bypass tray, and then select the appropriate bypass tray (paper type).



- Special media such as envelopes can also be placed in the bypass tray. For the procedure for loading paper and other media in the bypass tray, see "LOADING PAPER IN THE BYPASS TRAY" (page 1-45) in "1. BEFORE USING THE MACHINE".
- When "Enable Detected Paper Size in Bypass Tray" (Web page only : disabled by factory default) or "Enable Selected Paper Type in Bypass Tray" (Web page only : enabled by factory default) is enabled in the system settings (administrator), printing will not take place if the paper size or paper type specified in the printer driver is different from the paper size or paper type specified in the settings of the bypass tray.

- **When a paper type is selected**
  A tray with the specified type of paper and the size specified in "Paper Size" in the page settings window is used for printing.



System Settings (Administrator): Exclude Bypass-Tray from Auto Paper Select (Web page only)
When [Auto Select] is used for printing, this setting determines whether or not the paper in the bypass tray will be excluded from the paper that can be selected. This setting is disabled by factory default, and thus paper in the bypass tray is included in the paper that can be automatically selected. If special media are frequently loaded in the bypass tray, it is recommended that this setting be enabled.

Contents

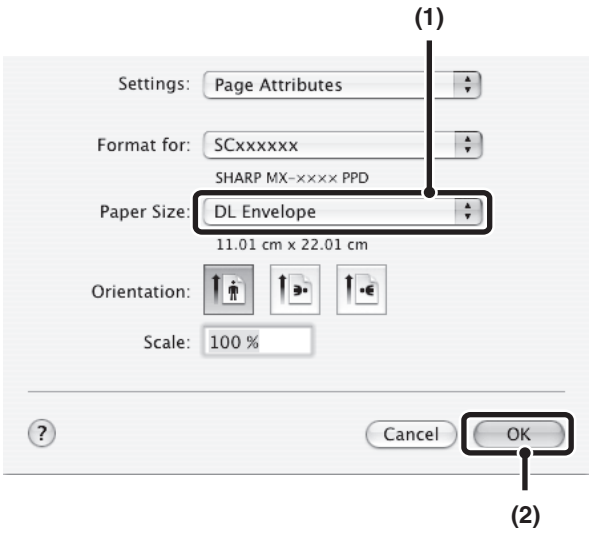
PRINTING ON ENVELOPES

The bypass tray can be used to print on special media such as envelopes. The procedure for printing on an envelope from the printer driver properties screen is described below.

For the types of paper that can be used in the bypass tray, see "IMPORTANT POINTS ABOUT PAPER" (page 1-40) in "BEFORE USING THE MACHINE". For the procedure for loading paper in the bypass tray, see "LOADING PAPER IN THE BYPASS TRAY" (page 1-45) in "1. BEFORE USING THE MACHINE".

Select the envelope size in the appropriate settings of the application ("Page Settings" in many applications) and then perform the following steps.

1



Select the paper size.

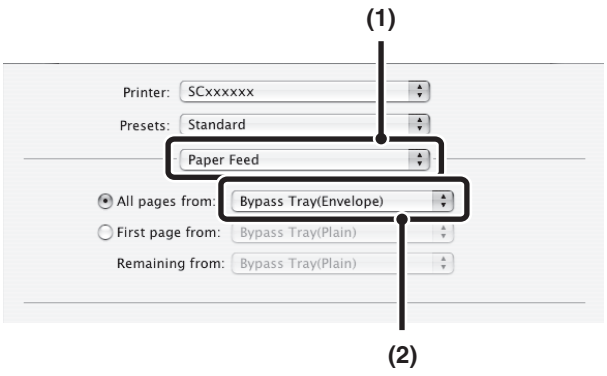
(1) Select the envelope size from the "Paper Size" menu on the page setup screen.

In Mac OS 9, select the envelope size from the "Paper" menu on the page setup screen.

(2) Click the [OK] button.

In the case of media that can only be loaded in a certain orientation such as an envelope, you can rotate the image 180 degrees if needed. For more information, see "ROTATING THE PRINT IMAGE 180 DEGREES (Rotate 180 degrees)" (page 3-37).

2



Select the bypass tray.

(1) Select [Paper Feed] on the print screen.

In Mac OS 9, select [General].

(2) Select [Bypass Tray(Envelope)] from the "All pages from" menu.

- In Mac OS 9, select [Bypass Tray(Envelope)] from the "All pages from" menu of "Paper Source".
- Set the paper type of the bypass tray to [Envelope] and make sure the envelope is loaded in the bypass tray.

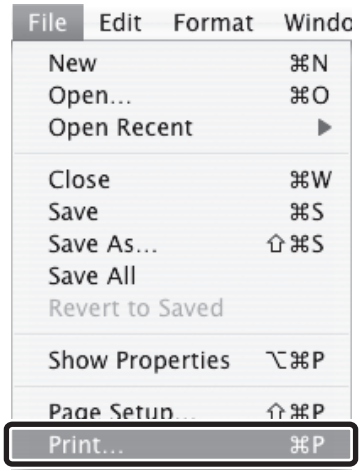
For more information on "Paper Feed", see "SELECTING THE PAPER" (page 3-19).

It is recommended that you do a test print to check the print result before using an envelope.

PRINTING WHEN THE USER AUTHENTICATION FUNCTION IS ENABLED

When the user authentication function is enabled, you must enter your user information (login name, password, etc.) in order to print. The information that must be entered varies depending on the authentication method being used, so check with the administrator of the machine before printing.

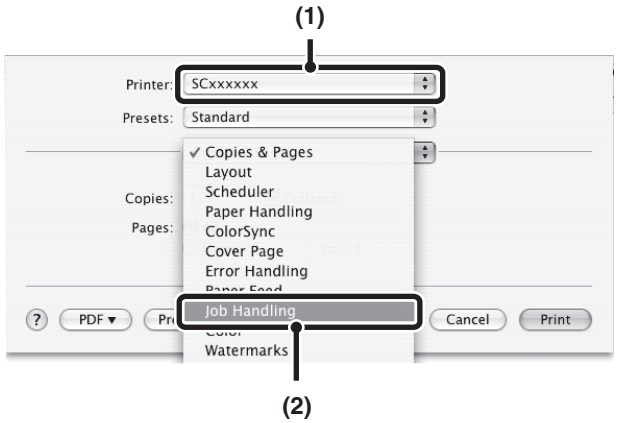
1



Select [Print] from the application's [File] menu.

The menu used to execute printing may vary depending on the software application.

2



Display the job handling screen.

(1) Make sure that the machine's printer name is selected.

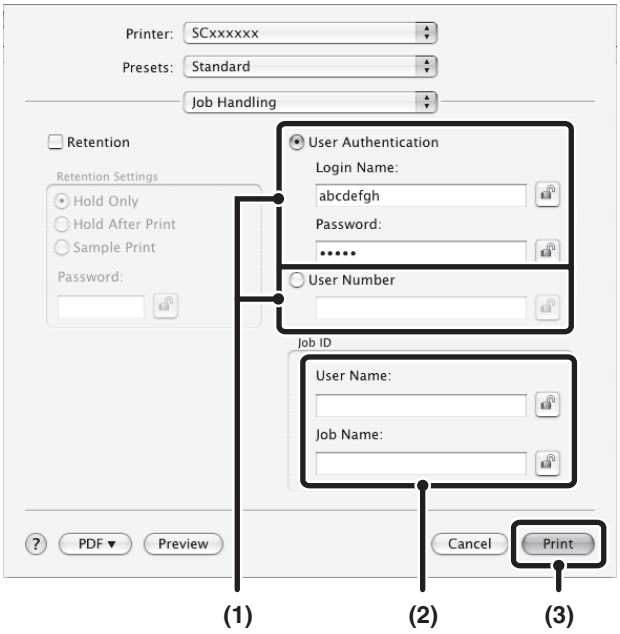
(2) Select [Job Handling].

- In Mac OS X v10.5 to 10.5.1, select [Job Handling] and then click the [Authentication] tab in the screen that appears.
- In Mac OS 9, select [User Authentication].

The machine name that appears in the "Printer" menu is normally [SCxxxxxx]. ("xxxxxx" is a sequence of characters that varies depending on the machine model.)

Contents

3



Start printing.

(1) Enter your user information.

- **When authentication is by login name/password**
  Enter your login name in "Login Name" and your password in "Password" (1 to 32 characters).
- **When authentication is by user number**
  Enter your user number (5 to 8 digits) in "User Number".

(2) Enter the user name and job name as necessary.

- **User Name**
  Enter your user name (maximum of 32 characters). Your entered user name will appear at the top of the operation panel. If you do not enter a user name, your computer login name will appear.
- **Job Name**
  Enter a job name (maximum of 30 characters). The entered job name will appear at the top of the operation panel as a file name. If you do not enter a job name, the file name set in the software application will appear.

(3) Click the [Print] button.

In Mac OS X, you can click the (lock) button after entering your login name and password, or user number, to simplify operation the next time you wish to print based on the same user authentication.

- When user authentication is enabled, printing is possible without entering user information if black and white printing is set in the printer driver. For black and white print settings, see "BLACK AND WHITE PRINTING" (page 3-24). The number of pages printed is added to the "Other User" count. In this case, other print functions may be restricted. For more information, ask your administrator.
- Disabling of Printing by Invalid User
  This is used to prohibit printing of print jobs by users whose user information is not stored in the machine. When this function is enabled, printing is not allowed when user information is not entered or incorrect information is entered.
  This setting can be configured in [User Control] - [Default Settings] - [Disabling of Printing by Invalid User] in the Web page menu. (Administrator rights are required.)

Contents

FREQUENTLY USED FUNCTIONS

This section explains frequently used functions.

- SELECTING THE COLOUR MODE
- TWO-SIDED PRINTING (page 3-26)
- FITTING THE PRINT IMAGE TO THE PAPER (page 3-28)
- PRINTING MULTIPLE PAGES ON ONE PAGE (page 3-29)
- STAPLING OUTPUT (page 3-31)

The explanations assume that the paper size and other basic settings have already been selected. For the basic procedure for printing and the steps for opening the printer driver properties window, see the following section:

☞ Windows: BASIC PRINTING PROCEDURE (page 3-4)
☞ Macintosh: BASIC PRINTING PROCEDURE (page 3-16)

In Windows, view printer driver Help for details on printer driver settings for each printing function.

SELECTING THE COLOUR MODE

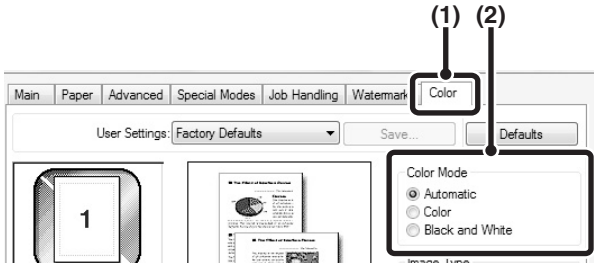
This section explains how to select the colour mode in the printer driver properties window. The following three selections are available for the colour mode:

Automatic:	The machine automatically determines whether each page is colour or black and white and prints the page accordingly. Pages with colours other than black and white are printed using Y (Yellow), M (Magenta), C (Cyan) and Bk (Black) toner. Pages that are only black and white are printed using Bk (Black) toner only. This is convenient when printing a document that has both colour and black and white pages, however, the printing speed is slower.
Color:	All pages are printed in colour. Both colour data and black and white data are printed using Y (Yellow), M (Magenta), C (Cyan) and Bk (Black) toner.
Black and White:	All pages are printed in black and white. Colour data such as images or materials for a presentation are printed using black toner only. This mode helps conserve colour toner when you do not need to print in colour, such as when proofreading or checking the layout of a document.

When "Color Mode" is set to [Automatic]
Even if the print result is black and white, the following types of print jobs will be counted as 4-colour (Y (Yellow), M (Magenta), C (Cyan), and Bk (Black)) print jobs. To be always counted as a black and white job, select [Black and White].

- When the data is created as colour data.
- When the application treats the data as colour data even though the data is black and white.
- When an image is hidden under a black and white image.

Windows



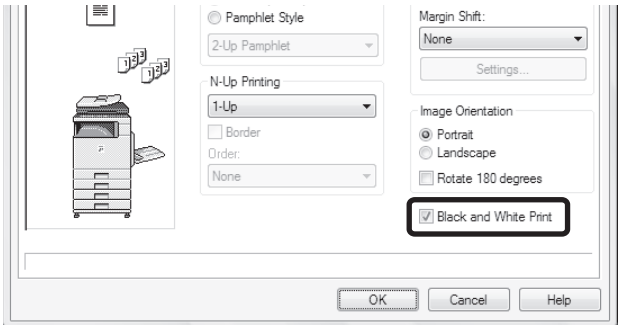
(1) Click the [Color] tab.

(2) Select the "Color Mode" that you wish to use.

Contents

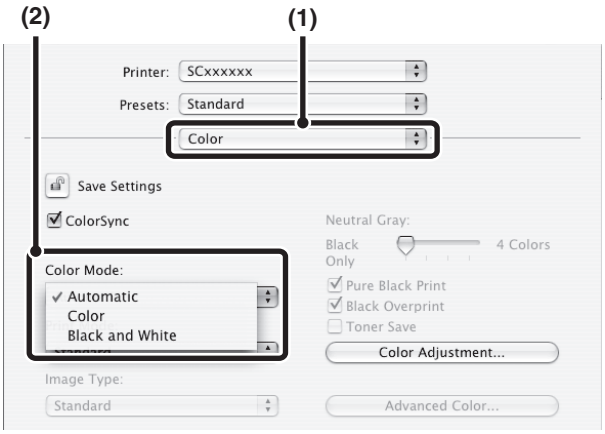
BLACK AND WHITE PRINTING

[Black and White] can be selected on the [Main] tab as well as on the [Color] tab. Click the [Black and White Print] checkbox on the [Main] tab so that a checkmark ☑ appears.



The [Black and White Print] checkbox on the [Main] tab and the "Color Mode" setting on the [Color] tab are linked. When the [Black and White Print] checkbox is selected ☑ on the [Main] tab, [Black and White] is also selected on the [Color] tab.

Macintosh



(1) Select [Color].

(2) Select the "Color Mode" that you wish to use.

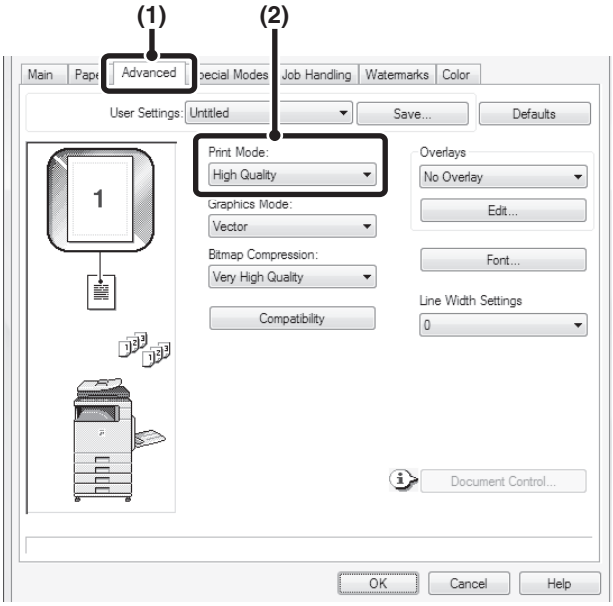
Contents

SELECTING A PRINT MODE SETTING

This section explains the procedure for selecting a print mode setting. The "Print Mode Settings" consist of the following three items:

Normal: This mode is suitable for printing data such as regular text or a table.
High Quality: The print quality of colour photos and text is high.
Fine: Select this when you want to a print colour photo with greater clarity or print graphics with gradations, etc. (This mode cannot be selected when using the PCL5c printer driver.)

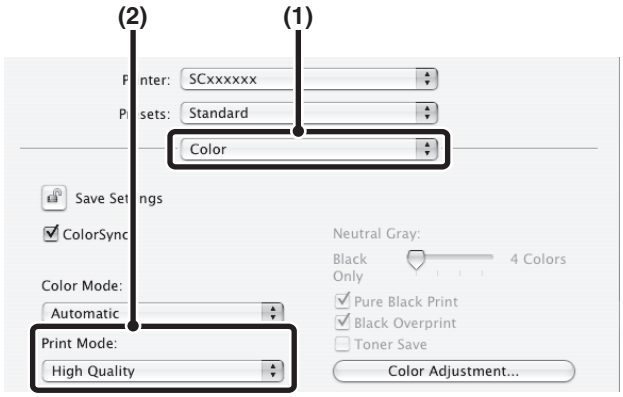
Windows



(1) Click the [Advanced] tab.

(2) Select the "Print Mode".

Macintosh



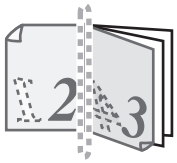
(1) Select [Color].

(2) Select the "Print Mode".

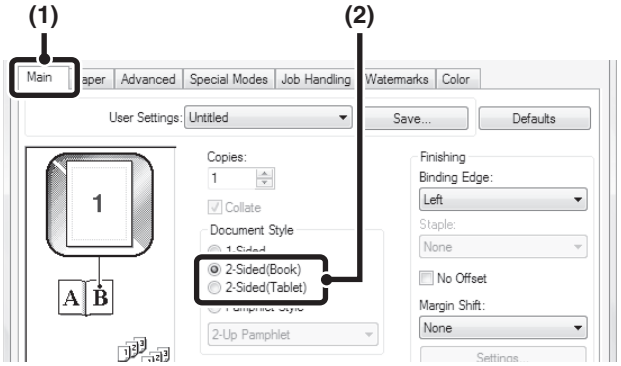
Contents

TWO-SIDED PRINTING

The machine can print on both sides of the paper. This function is useful for many purposes, and is particularly convenient when you want to create a simple pamphlet. Two-sided printing also helps conserve paper.

<table>
<tr><th>Orientation</th><th colspan="4">Print results</th></tr>
<tr><td rowspan="3">Vertical</td><td>Windows</td><td>Macintosh</td><td>Windows</td><td>Macintosh</td></tr>
<tr><td>2-Sided(Book)</td><td>Long-edged binding
(Flip on long edge)</td><td>2-Sided(Tablet)</td><td>Short-edged binding
(Flip on short edge)</td></tr>
<tr><td colspan="2">  </td><td colspan="2">  </td></tr>
<tr><td rowspan="3">Horizontal</td><td>Windows</td><td>Macintosh</td><td>Windows</td><td>Macintosh</td></tr>
<tr><td>2-Sided(Book)</td><td>Short-edged binding
(Flip on short edge)</td><td>2-Sided(Tablet)</td><td>Long-edged binding
(Flip on long edge)</td></tr>
<tr><td colspan="2">  </td><td colspan="2">  </td></tr>
<tr><td></td><td colspan="2">The pages are printed so that they can be bound at the side.</td><td colspan="2">The pages are printed so that they can be bound at the top.</td></tr>
</table>

Windows

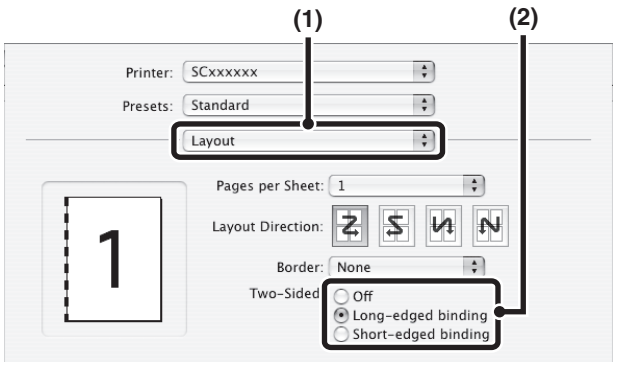


(1) Configure the settings on the [Main] tab.

(2) Select [2-Sided(Book)] or [2-Sided(Tablet)].

Contents

Macintosh



(1) Select [Layout].

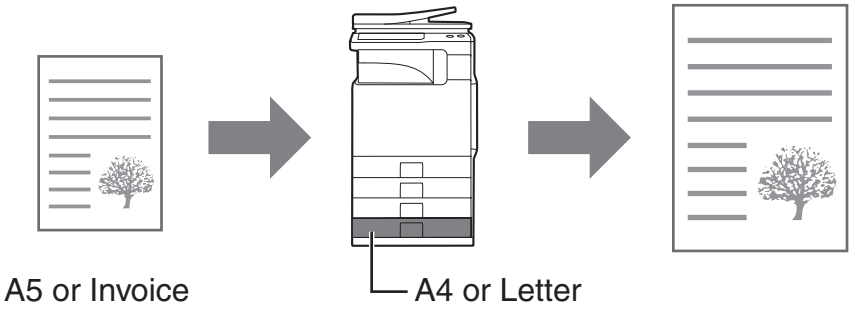
(2) Select [Long-edged binding] or [Short-edged binding].

- In Mac OS X v10.2.8, select the settings in [Advanced].
- In Mac OS 9, select [Output/Document Style] and then select [Flip on long edge] or [Flip on short edge].

Contents

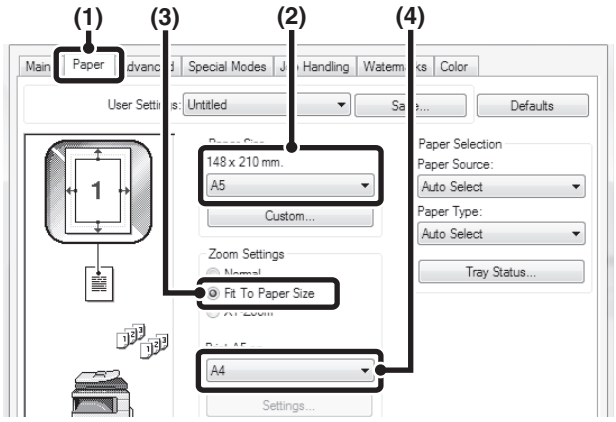
FITTING THE PRINT IMAGE TO THE PAPER

This function is used to automatically enlarge or reduce the printed image to match the size of the paper loaded in the machine.
This is convenient for such purposes as enlarging an A5 or invoice size document to A4 or letter size to make it easier to view, and to print when the same size of paper as the document image is not loaded in the machine.



The following example explains how to print an A5 size document on A4 size paper.

Windows



(1) Click the [Paper] tab.

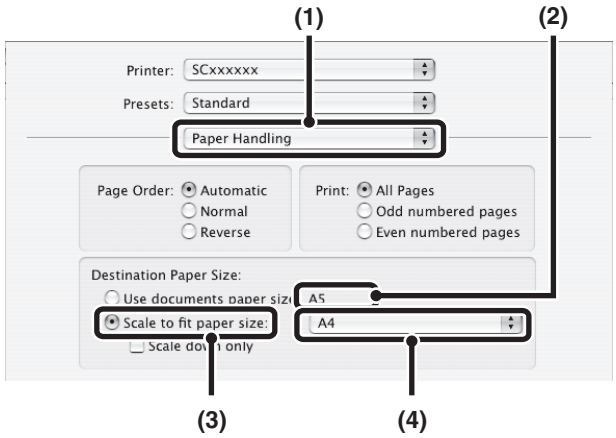
(2) Select the size of the print image (for example: A5).

(3) Select [Fit To Paper Size].

(4) Select the actual paper size to be used for printing (for example: A4).

Macintosh

(This function can only be used in Mac OS X v10.4.11 and v10.5 to 10.5.1.)



(1) Select [Paper Handling].

(2) Check the size of the print image (for example: A5).

To change the print image size, use the "Paper Size" menu that appears when [Page Setup] is selected.

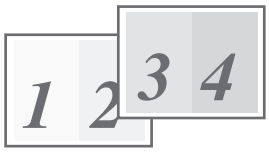
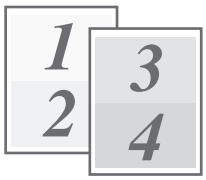
(3) Select [Scale to fit paper size].

(4) Select the actual paper size to be used for printing (for example: A4).

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PRINTING MULTIPLE PAGES ON ONE PAGE

This function can be used to reduce the print image and print multiple pages on a single sheet of paper.
This is convenient when you want to print multiple images such as photos on a single sheet of paper, and when you want to conserve paper. This function can also be used in combination with two-sided printing for maximum conservation of paper.
For example, when [2-Up] (2 pages per sheet) and [4-Up] (4 pages per sheet) are selected, the following print results will be obtained, depending on the order selected.

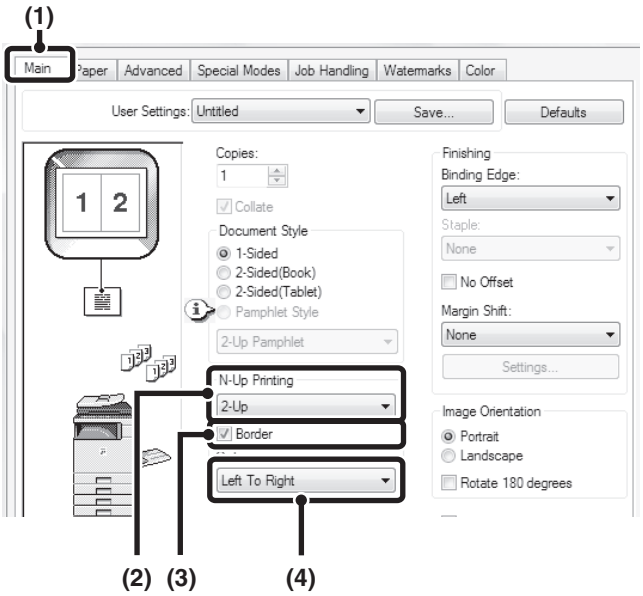
N-Up (Pages per sheet)	Print results		
	Left To Right	Right To Left	Top To Bottom (When the print orientation is landscape)
2-Up (2 pages per sheet)			

N-Up (Pages per sheet)	Right, and Down	Down, and Right	Left, and Down	Down, and Left
4-Up (4 pages per sheet)				

- The page orders for 6-Up, 8-Up, 9-Up, and 16-Up are the same as for 4-Up.
- In a Windows environment, the page order can be viewed in the print image in the printer driver properties window. In a Macintosh environment, the page orders are displayed as selections.
- In a Macintosh environment, the number of pages that can be printed on a single sheet is 2, 4, 6, 9, or 16.

Contents

Windows



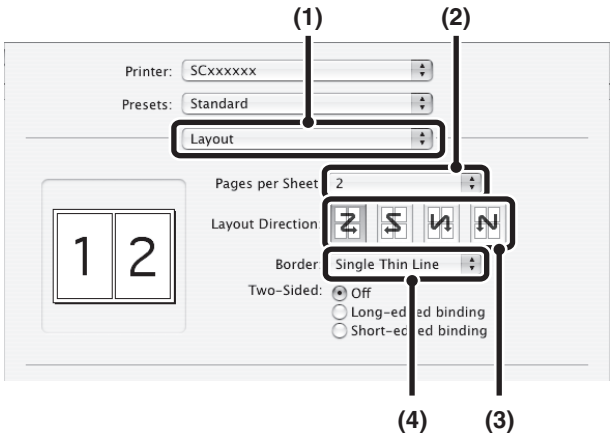
(1) **Configure the settings on the [Main] tab.**

(2) **Select the number of pages per sheet.**

(3) **If you wish to print borderlines, click the [Border] checkbox so that a checkmark appears.**

(4) **Select the order of the pages.**

Macintosh



(1) **Select [Layout].**

(2) **Select the number of pages per sheet.**

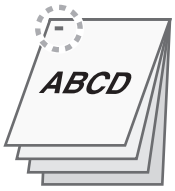
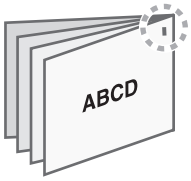
(3) **Select the order of the pages.**

(4) **If you wish to print borderlines, select the desired type of borderline.**

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STAPLING OUTPUT

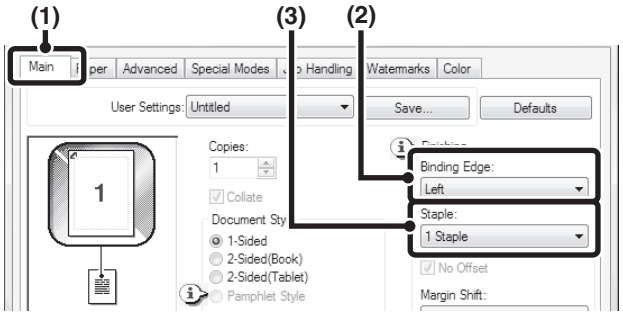
The staple function can be used to staple output.
This function saves considerable time when preparing handouts for a meeting or other stapled materials. The staple function can also be used in combination with two-sided printing to create materials with a more sophisticated appearance. Stapling positions can be selected to obtain the following stapling results.
* Stapling takes place in one location only.

Orientation	Left	Right	Top
Vertical			
Horizontal			

- To use the staple function, a finisher is required.
- For the maximum number of sheets that can be stapled, see "SPECIFICATIONS" in the Maintenance & Safety Guide. The maximum number of sheets that can be stapled at once includes any covers and/or inserts that are inserted.
- The staple function cannot be used in combination with the offset function, which offsets the position of each output job from the previous job.
- When the staple function is disabled in "Device Control" (Web page only) in the machine's system settings (administrator), stapling is not possible.

Contents

Windows



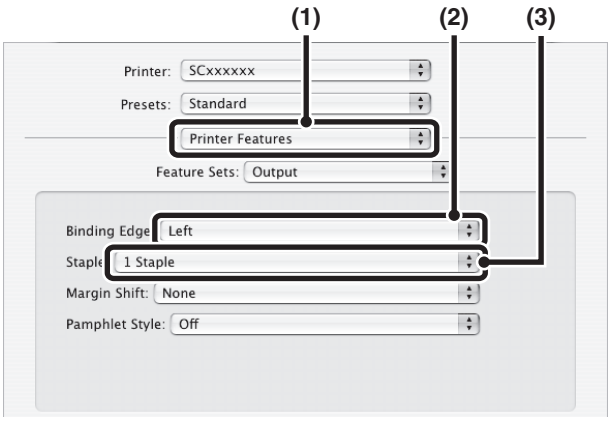
(1) Configure the settings on the [Main] tab.

(2) Select the "Binding Edge".

(3) Select the staple function.

For the staple function, select the number of staples in the "Staple" menu.

Macintosh



(1) Select [Printer Features].

(2) Select the "Binding Edge".

(3) Select the staple function.

For the staple function, select the number of staples in the "Staple" menu.

- In Mac OS X v10.2.8, select the settings in [Advanced].
- In Mac OS 9, select the settings in [Output/Document Style].

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CONVENIENT PRINTING FUNCTIONS

This section explains convenient functions for specific printing objectives.

- CONVENIENT FUNCTIONS FOR CREATING PAMPHLETS AND POSTERS
- FUNCTIONS TO ADJUST THE SIZE AND ORIENTATION OF THE IMAGE (page 3-37)
- COLOUR MODE ADJUSTMENT FUNCTION (page 3-41)
- FUNCTIONS THAT COMBINE TEXT AND IMAGES (page 3-45)
- PRINT FUNCTIONS FOR SPECIAL PURPOSES (page 3-48)

The explanations assume that the paper size and other basic settings have already been selected. For the basic procedure for printing and the steps for opening the printer driver properties window, see the following section:

☞ Windows: BASIC PRINTING PROCEDURE (page 3-4)

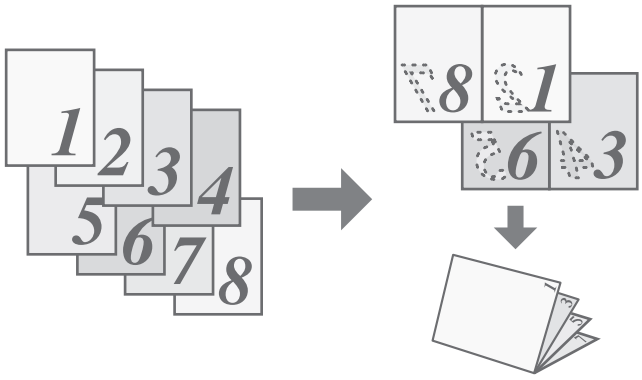
☞ Macintosh: BASIC PRINTING PROCEDURE (page 3-16)

In Windows, view printer driver Help for details on printer driver settings for each printing function.

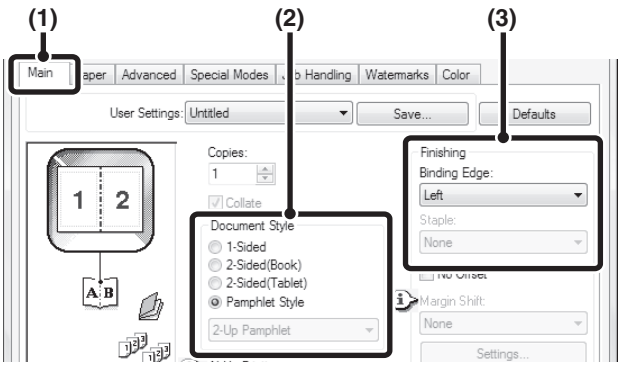
CONVENIENT FUNCTIONS FOR CREATING PAMPHLETS AND POSTERS

CREATING A PAMPHLET (Pamphlet)

The pamphlet function prints on the front and back of each sheet of paper so that the sheets can be folded and bound to create a pamphlet. This is convenient when you wish to compile printed output into a pamphlet.



Windows



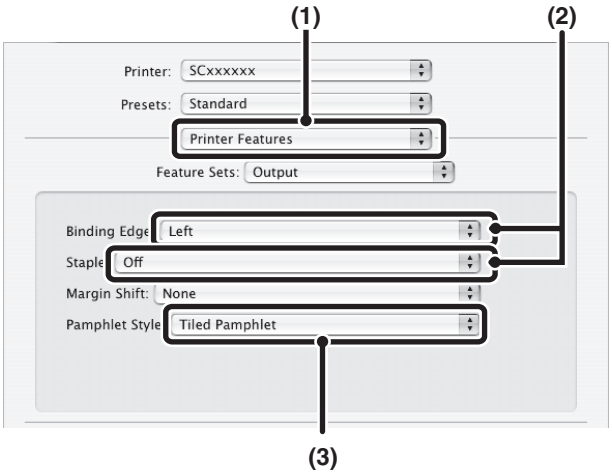
(1) Configure the settings on the [Main] tab.

(2) Select [Pamphlet Style].

(3) Select the "Binding Edge".

Contents

Macintosh



(1) Select [Printer Features].

(2) Select the "Binding Edge".

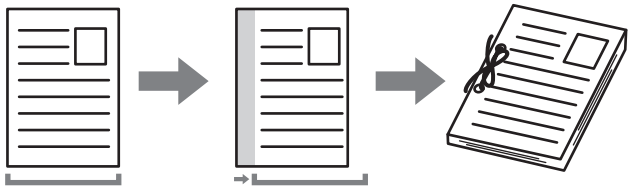
(3) Select [Tiled Pamphlet] or [2-Up Pamphlet].

- In Mac OS X v10.2.8, select from the "2-Side Printing" and "Binding Edge" menus in [Advanced].
- In Mac OS 9, select the settings in [Output/Document Style].

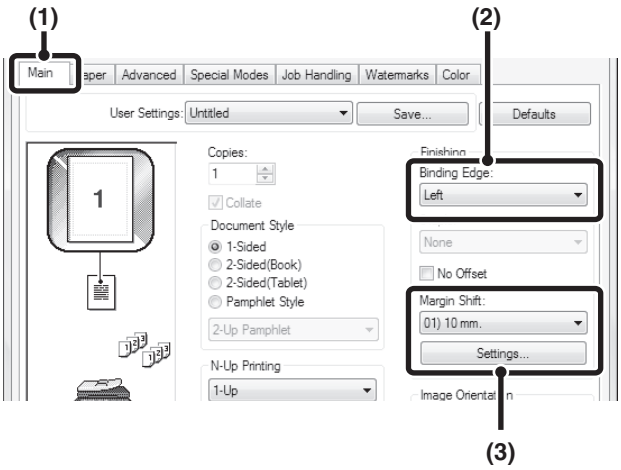
Contents

INCREASING THE MARGIN (Margin Shift)

This function is used to shift the print image to increase the margin at the left, right, or top of the paper. This is convenient when you wish to staple or punch the output but the binding area overlaps the text. When a finisher is installed, the staple function can be used with this function.



Windows



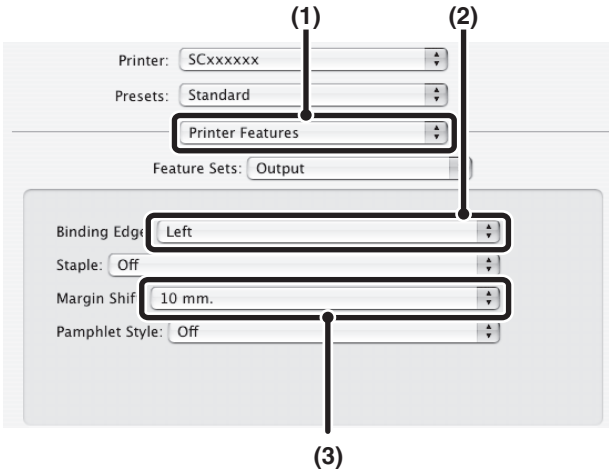
(1) Configure the settings on the [Main] tab.

(2) Select the "Binding Edge".

(3) Select the "Margin Shift".

Select from the "Margin Shift" menu. If you wish to configure another numeric setting, select the setting from the pull-down menu and click the [Settings] button. Click the button or directly enter the number.

Macintosh



(1) Select [Printer Features].

(2) Select the "Binding Edge".

(3) Select the "Margin Shift".

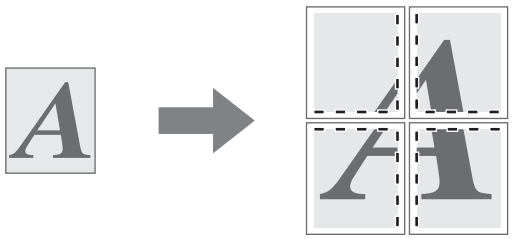
- In Mac OS X v10.2.8, select from the "Binding Edge" and "Margin Shift" menus in [Advanced].
- In Mac OS 9, select [Advanced] and then select the binding edge and margin shift from the margin shift menu.

Contents

CREATING A LARGE POSTER (Poster Printing)

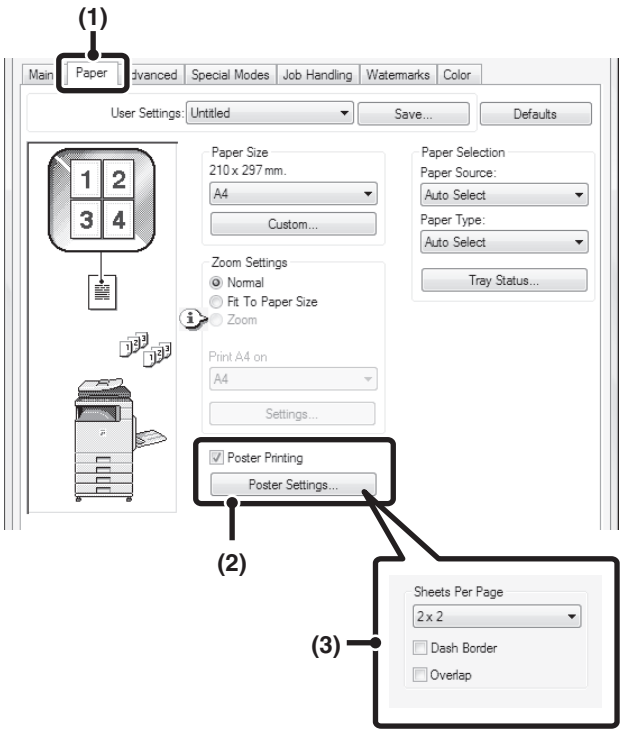
(This function is only available in Windows.)

One page of print data can be enlarged and printed using multiple sheets of paper (4 sheets (2 x 2), 9 sheets (3 x 3) or 16 sheets (4 x 4)). The sheets can then be attached together to create a large poster. To enable precise alignment of the edges of the sheets during attachment, borderlines can be printed and overlapping edges can be created (overlap function).



Windows

(This function can be used when the PCL6 or PS printer driver is used.)



(1) Click the [Paper] tab.

(2) Select the [Poster Printing] checkbox ☑ and click the [Poster Settings] button.

(3) Select poster settings.

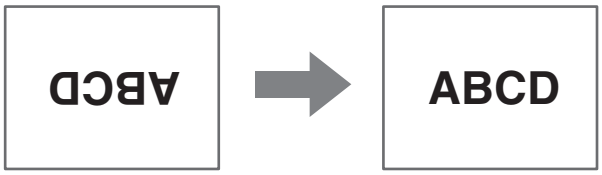
Select the number of sheets of paper to be used from the pull-down menu. If you wish to print borderlines and/or use the overlap function, select the corresponding checkboxes ☑.

Contents

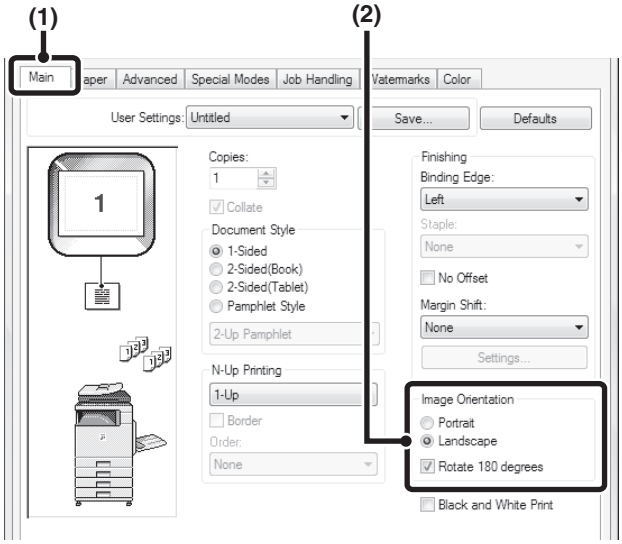
FUNCTIONS TO ADJUST THE SIZE AND ORIENTATION OF THE IMAGE

ROTATING THE PRINT IMAGE 180 DEGREES (Rotate 180 degrees)

This feature rotates the image 180 degrees so that it can be printed correctly on paper that can only be loaded in one orientation (such as envelopes or paper with punch holes). (In Mac OS X, a portrait image cannot be rotated 180 degrees.)



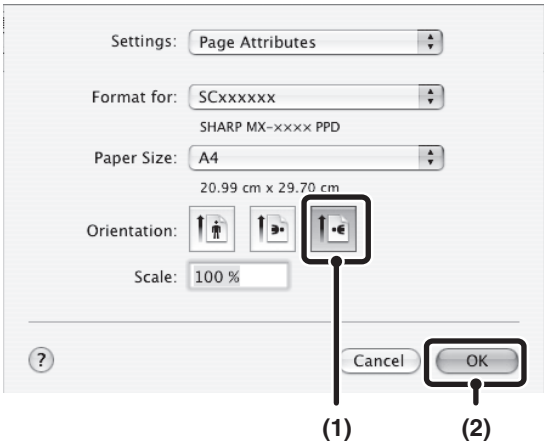
Windows



(1) Select the setting on the [Main] tab.

(2) Select the [Rotate 180 degrees] checkbox ☑.

Macintosh



(1) Select [Page Setup] from the [File] menu and click the button.

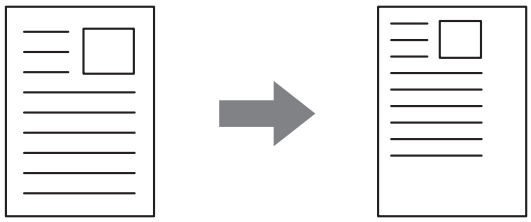
In Mac OS 9, select [Page Setup] from the [File] menu and select [PostScript Options]. Then select the [Flip Horizontal] and [Flip Vertical] checkbox ☑.

(2) Click the [OK] button.

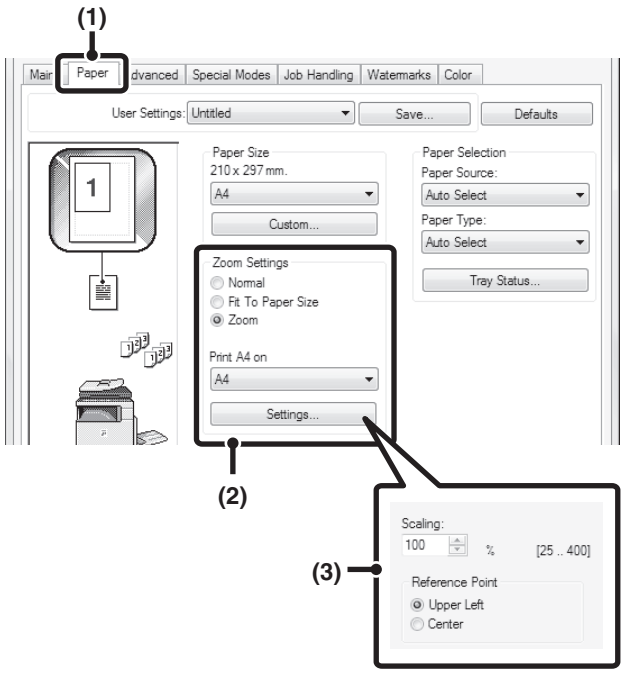
Contents

ENLARGING/REDUCING THE PRINT IMAGE (Zoom/XY-Zoom)

This function is used to enlarge or reduce the image to a selected percentage. This allows you to enlarge a small image or add margins to the paper by slightly reducing an image.
When using the PS printer driver (Windows), you can set the width and length percentages separately to change the proportions of the image. (XY-Zoom)



Windows



(1) Click the [Paper] tab.

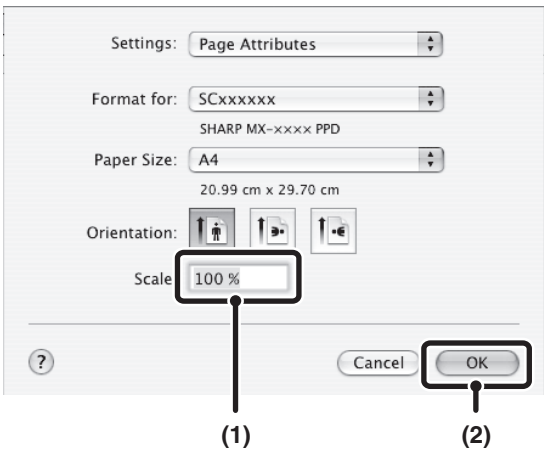
(2) Select [Zoom] and click the [Settings] button.

The actual paper size to be used for printing can be selected from the pull-down menu.

(3) Select the zoom ratio.

Directly enter a number (%) or click the button to change the ratio in increments of 1%. You can also select [Upper Left] or [Center] for the base point on the paper.

Macintosh



(1) Select [Page Setup] from the [File] menu and enter the ratio (%).

In Mac OS 9, select [Page Setup] from the [File] menu and enter the ratio (%).

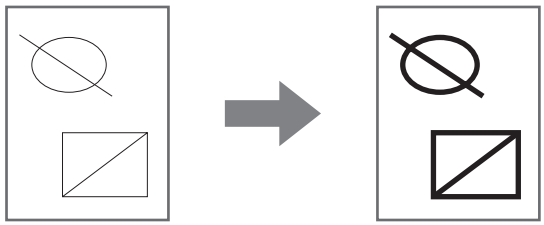
(2) Click the [OK] button.

Contents

ADJUSTING LINE WIDTHS WHEN PRINTING (Line Width Settings)

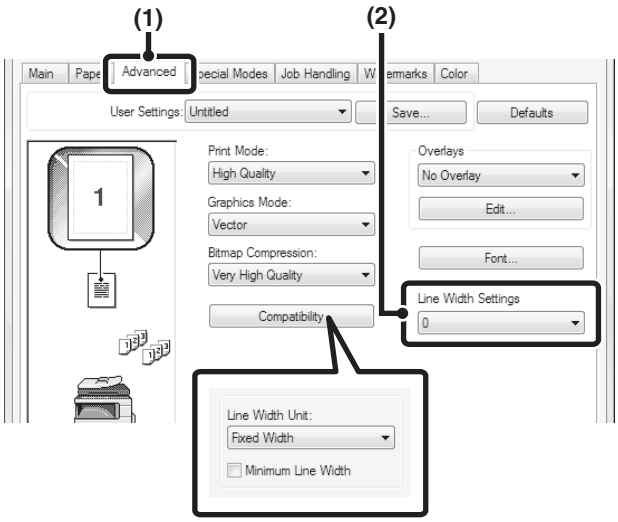
(This function is only available in Windows.)

When lines in special applications such as CAD cannot be printed correctly, this setting can be used to adjust line widths, such as making overall line widths wider. (This setting is only effective for vector data; raster data such as bitmap images cannot be adjusted.) When the data includes lines of varying widths, you can also print all lines at the minimum width. (Only for black and white printing.)



Windows

(This function can be used when the PCL6 printer driver is used.)



(1) Click the [Advanced] tab.

(2) Adjust the line width.

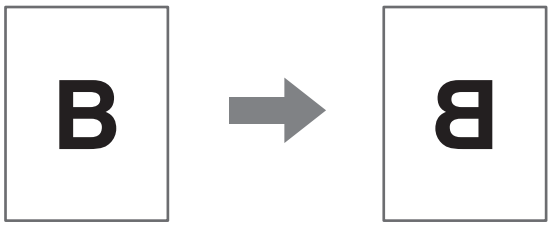
Select a number from the pull-down menu.

- The units of line-width adjustment can be set to "Fixed Width" or "Ratio". Click the [Compatibility] button and select the units from the "Line Width Unit" menu.
- To print all lines in the data at the minimum line width, click the [Compatibility] button and select the [Minimum Line Width] checkbox (☑).

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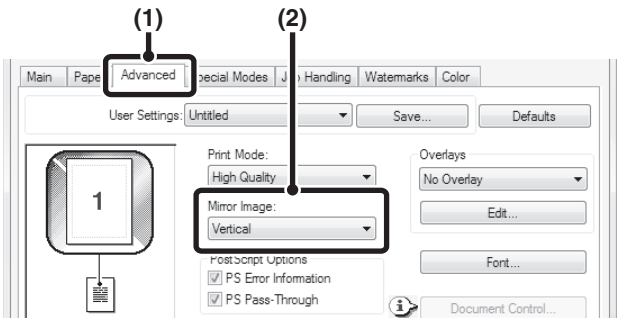
REVERSING THE IMAGE (Mirror Image)

The image can be reversed to create a mirror image. This function can be used to conveniently print a design for a woodblock print or other printing medium.



Windows

(This function can be used when the PS printer driver is used.)



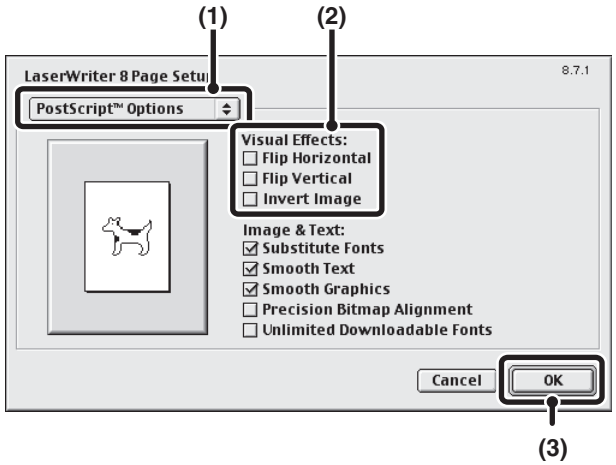
(1) Click the [Advanced] tab.

(2) Select a mirror image setting.

If you wish to reverse the image horizontally, select [Horizontal]. If you wish to reverse the image vertically, select [Vertical].

Macintosh

(This function can only be used in Mac OS 9.)



(1) Select [Page Setup] from the [File] menu and select [PostScript Options].

(2) Select "Visual Effects".

To reverse the image horizontally, select [Flip Horizontal]. To reverse the image vertically, select [Flip Vertical].

(3) Click the [OK] button.

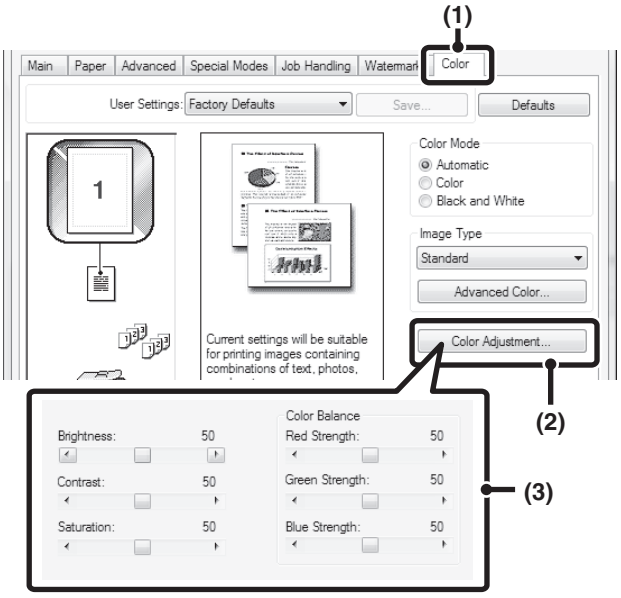
Contents

COLOUR MODE ADJUSTMENT FUNCTION

ADJUSTING THE BRIGHTNESS AND CONTRAST OF THE IMAGE (Colour Adjustment)

The brightness and contrast can be adjusted in the print settings when printing a photo or other image. These settings can be used for simple corrections when you do not have image editing software installed on your computer.

Windows



(1) Click the [Color] tab.

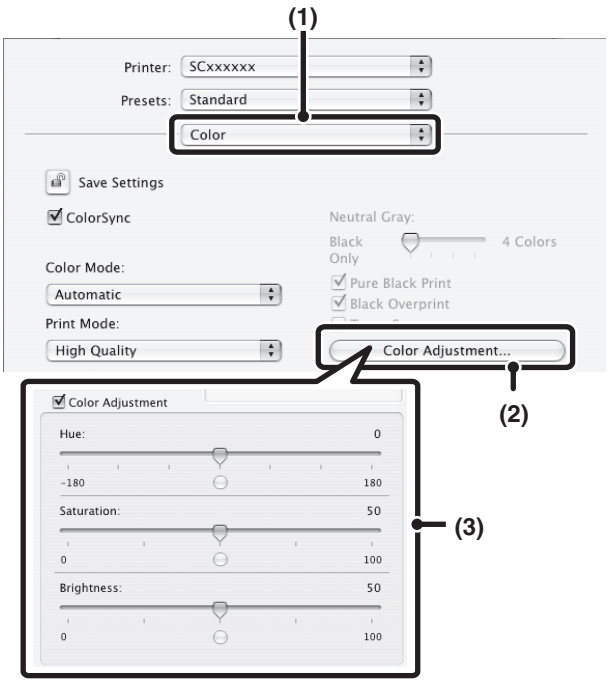
(2) Click the [Color Adjustment] button.

(3) Adjust the colour settings.

To adjust a setting, drag the slide bar or click the or button.

Macintosh

(This function can only be used in Mac OS X v10.3.9 and v10.4.11.)



(1) Select [Color].

(2) Click the [Color Adjustment] button.

(3) Select the [Color Adjustment] checkbox and adjust the colour.

Adjust the settings by dragging the slide bars .

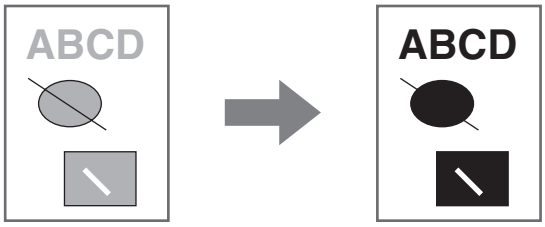
Contents

PRINTING FAINT TEXT AND LINES IN BLACK (Text To Black/Vector To Black)

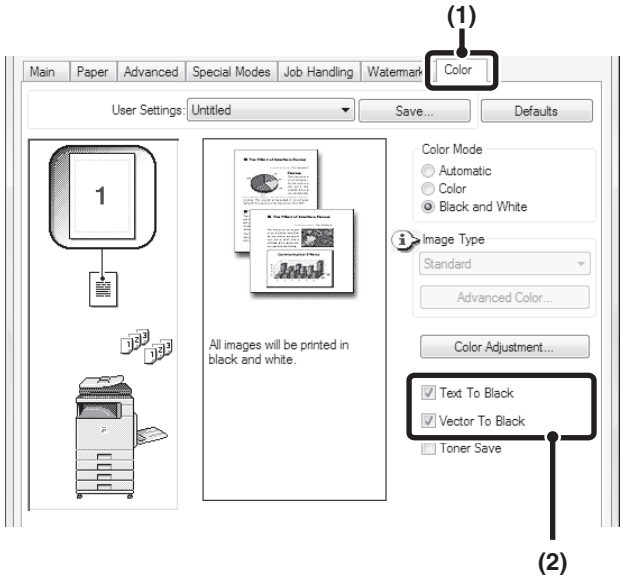
(This function is only available in Windows.)

When printing a colour image in greyscale, colour text and lines that are faint can be printed in black. (Raster data such as bitmap images cannot be adjusted.) This allows you to bring out colour text and lines that are faint and difficult to see when printed in greyscale.

- [Text To Black] can be selected to print all text other than white text in black.
- [Vector To Black] can be selected to print all vector graphics other than white lines and areas in black.



Windows



(1) Click the [Color] tab.

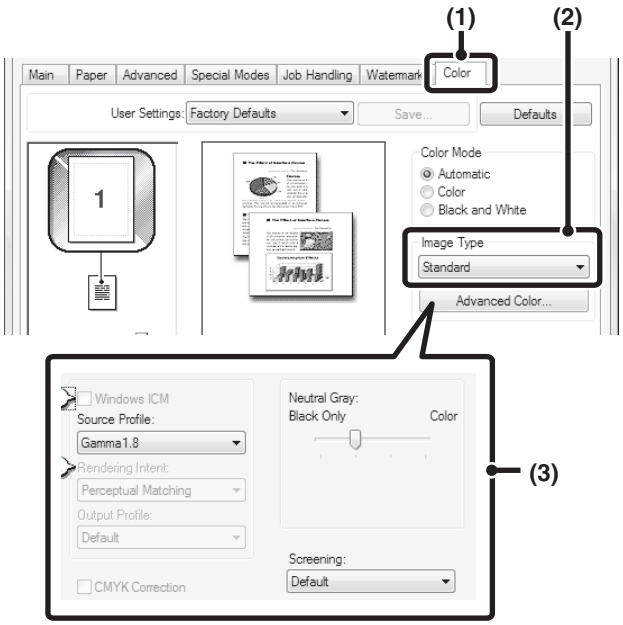
(2) Select the [Text To Black] checkbox and/or the [Vector To Black] checkbox .

Contents

SELECTING COLOUR SETTINGS TO MATCH THE IMAGE TYPE (Advanced Colour)

Preset colour settings are available in the machine's printer driver for various uses. These enable printing using the most suitable colour settings for the colour image type.
Advanced colour settings can also be configured to match the objective of the colour image, such as colour management settings and the screening setting for adjustment of colour tone expression.

Windows



(1) Click the [Color] tab.

(2) Select the "Image Type".

A document type to match the data to be printed can be selected from the pull-down menu.

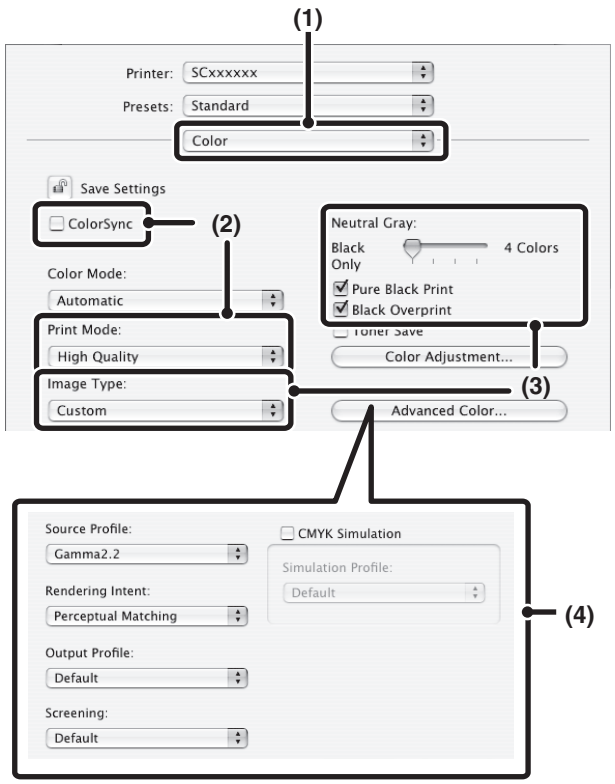
- Standard (for data that includes text, photos, graphs, etc.)
- Graphics (for data with many drawings or illustrations)
- Photo (for photo data or data that uses photos)
- CAD (for engineering drawing data)
- Scan (for data scanned by a scanner)
- Custom (for data to be printed with special settings)

(3) Select advanced colour settings.

If you wish to select advanced settings, click the [Advanced Color] button.
If you wish to perform colour management using Windows ICM* in your operating system, select [Custom] for the image type at step (2) and then select the [Windows ICM] checkbox ☑. To configure advanced colour management settings such as "Source Profile", select the desired settings from the menus.
*Cannot be selected when using the PS printer driver on Windows Vista/Server 2008.

Contents

Macintosh



(1) Select [Color].

(2) Select colour print settings.

To use the Mac OS Color Management function, select the [ColorSync] checkbox ☑. When this is done, "Image Type" cannot be selected.

(3) Select the colour image type.

An image type to match the data to be printed can be selected from the pull-down menu.

- Standard (for data that includes text, photos, graphs, etc.)
- Graphics (for data with many drawings or illustrations)
- Photo (for photo data or data that uses photos)
- CAD (for engineering drawing data)
- Scan (for data scanned by a scanner)
- Custom (for data to be printed with special settings)

[Neutral Gray] can be used when [Custom] is selected.

(4) Select advanced colour settings.

If you wish to select detailed settings, click the [Advanced Color] button.
To configure colour management settings, select the desired settings from the menus. To use "CMYK Simulation", select the [CMYK Simulation] checkbox ☑ and then select the desired setting.

- In Mac OS X v10.5 to 10.5.1, click the [Advanced] tab to configure advanced colour settings.
- In Mac OS X v10.2.8, select the colour image type from the "Image Type" menu.
- In Mac OS 9, select [Color], [Color2], and [Color3] to configure colour print settings.

The following colour management settings are available.

- Windows ICM*1 checkbox: Colour management method in a Windows environment
- ColorSync checkbox*2: Colour management method in a Macintosh environment
- Source Profile: Select the colour profile used to display the image on the computer screen.
- Rendering Intent: Standard value used when converting the colour balance of the image displayed on the computer screen to a colour balance that can be printed by the machine.
- Output Profile: Selecting a colour profile for the image to be printed
- CMYK Correction*3: When printing a CMYK image, you can correct the image to obtain the optimum result.
- Screening: Select the most suitable image processing method for the image being printed.
- Neutral Gray: Select the toner colour used to print grey areas.
- Pure Black Print*4: Black text and vector graphics can be printed using black toner only.
- Black Overprint*4: Prevents whitening of the outline of black text.
- CMYK Simulation*4: The colour can be adjusted to simulate printing using the process colours used by printing presses.
- Simulation Profile*4: Selecting a process colour

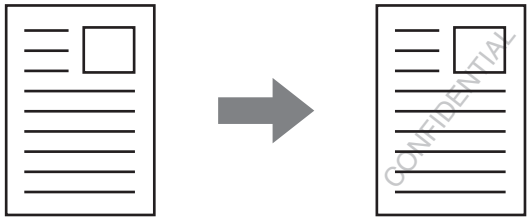
*1 Cannot be selected when using the PS printer driver on Windows Vista/Server 2008.
*2 Cannot be selected in Mac OS X v10.2.8.
In Mac OS 9, can be selected in the "Colour Matching" menu.
*3 Can only be used when using the PCL6 printer driver.
*4 Can only be used when using the PS printer driver (Windows/Macintosh).

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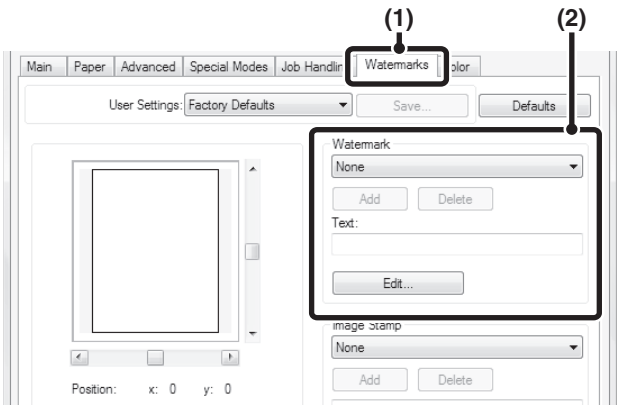
FUNCTIONS THAT COMBINE TEXT AND IMAGES

ADDING A WATERMARK TO PRINTED PAGES (Watermark)

Faint shadow-like text can be added to the background of the printed image as a watermark. The size, colour, density, angle, and print position of the watermark text can be adjusted. The text can be selected from a pre-stored list, or entered to create an original watermark.



Windows



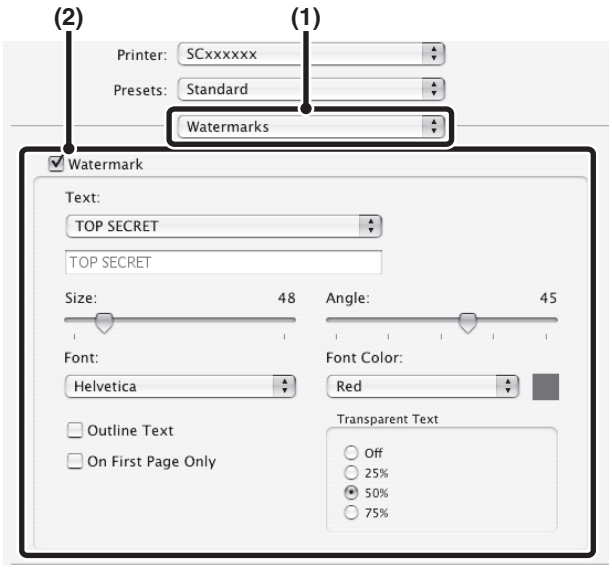
(1) Click the [Watermarks] tab.

(2) Select the watermark settings.

Select a stored water mark from the pull-down menu. You can click the [Edit] button to edit the font colour and select other detailed settings.

If you wish to create a new watermark...
Enter the text of the watermark in the "Text" box and click the [Add] button.

Macintosh



(1) Select [Watermarks].

(2) Click the [Watermark] checkbox and configure watermark settings.

Detailed watermark settings can be configured such as selection of the text and editing of the font and colour. Adjust the size and angle of the text by dragging the slide bar .

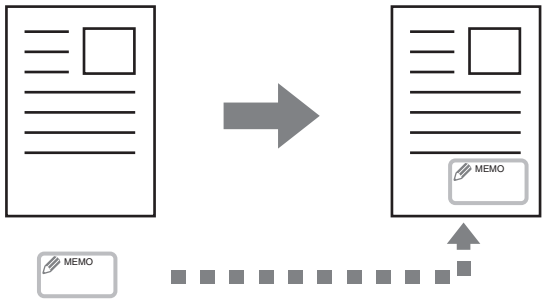
In Mac OS 9, select [Watermark] and configure the settings.

Contents

PRINTING AN IMAGE OVER THE PRINT DATA (Image Stamp)

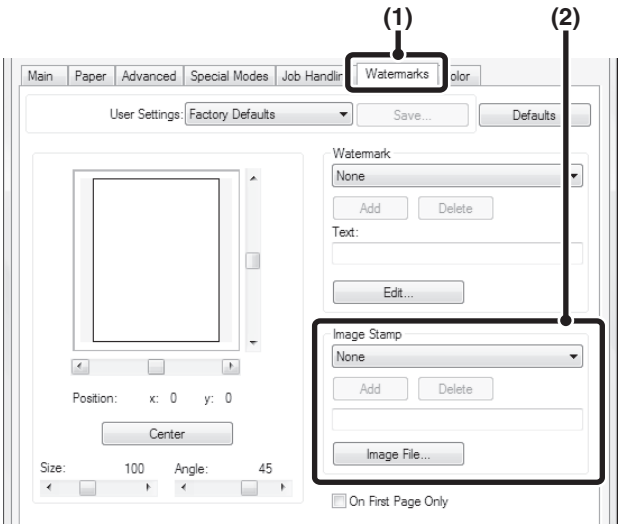
(This function is only available in Windows.)

A bitmap or JPEG image stored on your computer can be printed over the print data. The size, position, and angle of the image can be adjusted. This feature can be used to "stamp" the print data with a frequently used image or an icon of your own creation.



Windows

(This function can be used when the PCL6 or PS printer driver is used.)



(1) Click the [Watermarks] tab.

(2) Select the image stamp setting.

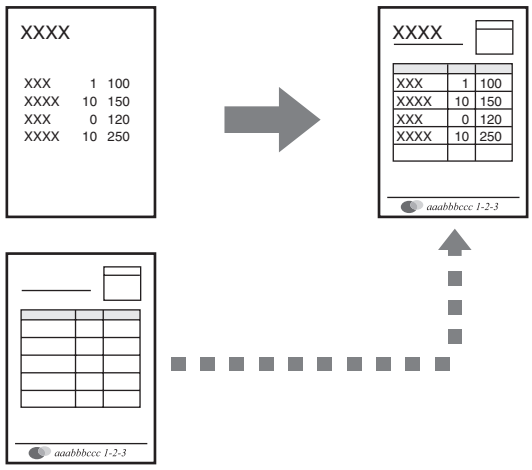
If an image stamp has already been stored, it can be selected from the pull-down menu.
If you have not stored an image stamp, click the [Image File], select the file you wish to use for the image stamp, and click the [Add] button.

Contents

CREATING OVERLAYS FOR PRINT DATA (Overlays)

(This function is only available in Windows.)

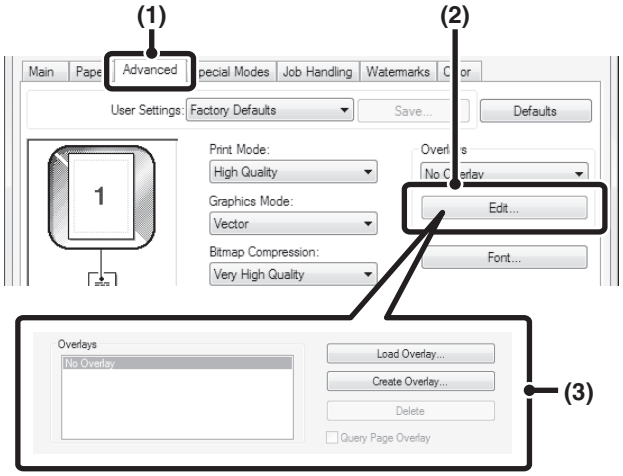
The print data can be printed in a previously created overlay. By creating table rulings or a decorative frame in an application different from that of the text file and registering the data as an overlay file, an attractive print result can be easily obtained without the need for complex manipulations.



Overlay file

Windows

Create an overlay file.



(1) Click the [Advanced] tab.

Configure the printer driver settings from the software application that you wish to use to create the overlay file.

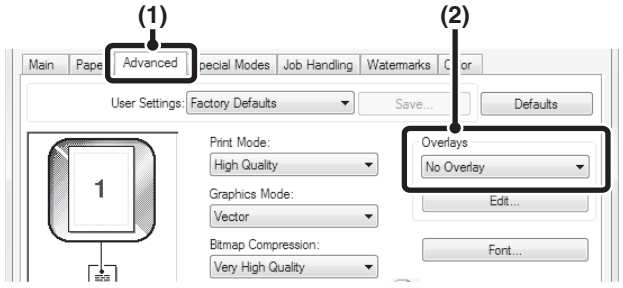
(2) Click the [Edit] button.

(3) Create an overlay file.

Click the [Create Overlay] button and specify the name and folder to be used for the overlay file that you wish to create. The file will be created when the settings are completed and printing is started.

- When printing is started, a confirmation message will appear. The overlay file will not be created until the [Yes] button is clicked.
- To register a previously existing overlay file, click the [Load Overlay] button.

Printing with an overlay file



(1) Click the [Advanced] tab.

Configure the printer driver settings from the application from which you wish to print using the overlay file.

(2) Select the overlay file.

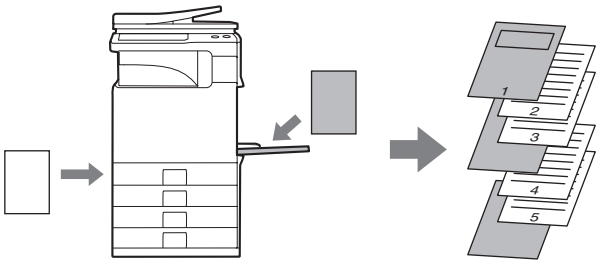
A previously created or stored overlay file can be selected from the pull-down menu.

Contents

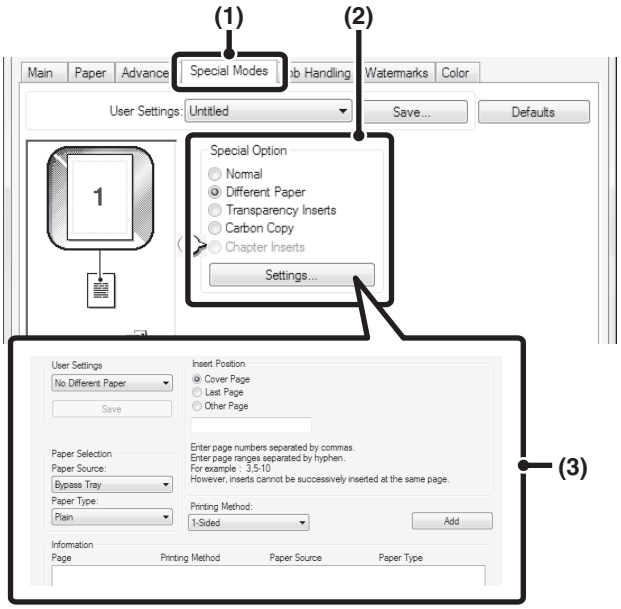
PRINT FUNCTIONS FOR SPECIAL PURPOSES

PRINTING SPECIFIED PAGES ON DIFFERENT PAPER (Different Paper)

- **Using this function in a Windows environment**
  The front and back cover and specified pages of a document can be printed on paper that is different from the other pages. Use this function when you wish to print the front and back cover on heavy paper, or insert coloured paper or a different paper type at specified pages. You can also insert paper as an insert without printing on it.
- **Using this function in a Macintosh environment**
  The front cover and last page can be printed using paper that is different from the other pages. This function can be used, for example, when you want to print only the front cover and last page on thick paper.



Windows



(1) Click the [Special Modes] tab.

(2) Select [Different Paper] and click the [Settings] button.

(3) Select paper insertion settings.

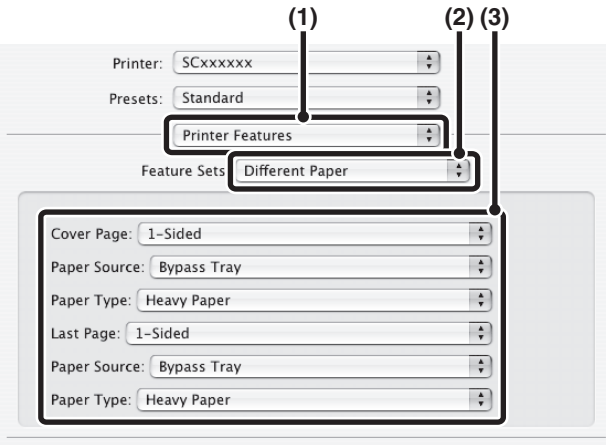
Select the insertion position, paper source, and printing method from the corresponding menus. Click the [Add] button to show the selected settings in "Information". When you have completed the settings, click the [Save] button in "User Settings" to save the settings.

- When [Bypass Tray] is selected in "Paper Source", be sure to select the "Paper Type" and load that type of paper in the bypass tray.
- **About paper insertion settings**
  When [Other Page] is selected for "Insert Position", the insert position can be specified by directly entering a page number. However, inserts cannot be successively inserted at the same page. When "Printing Method" is set to [2-Sided], the specified page and the next page after it will be printed on the front and reverse side of the paper, and thus an insert setting at a page printed on the reverse side will not be effective.

Contents

Macintosh

(This function can only be used in Mac OS 9, Mac OS X v10.4.11 and v10.5 to 10.5.1.)



(1) Select [Printer Features].

(2) Select [Different Paper].

(3) Select cover insertion settings.

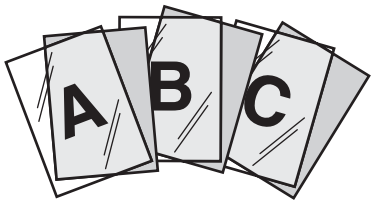
Select the print setting, paper tray, and paper type for the cover page and last page.

In Mac OS 9, select [Different Paper] and then select the settings for the cover page and last page.

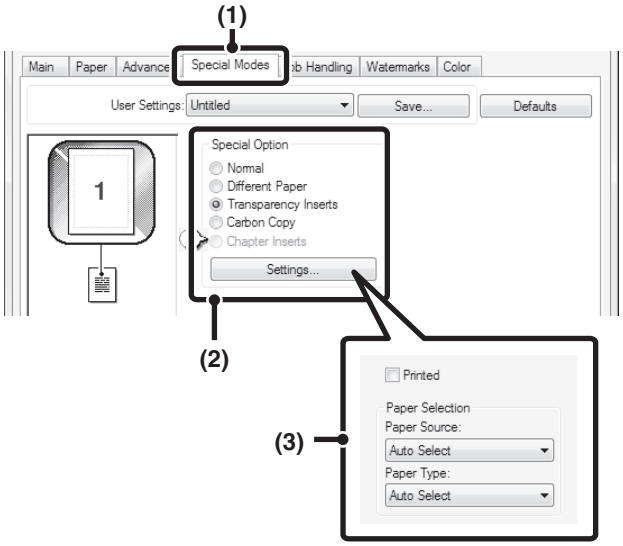
Contents

ADDING INSERTS WHEN PRINTING ON TRANSPARENCY FILM (Transparency Inserts)

When printing on transparency film, this function helps prevent the sheets of transparency film from sticking together by inserting a sheet of paper between each sheet of film. It is also possible to print the same content on each inserted sheet of paper as is printed on the corresponding sheet of transparency film.



Windows



(1) Click the [Special Modes] tab.

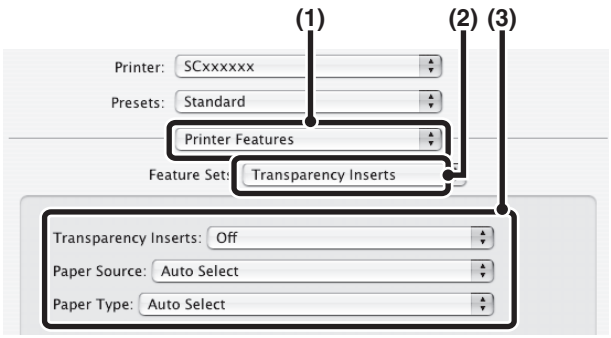
(2) Select [Transparency Inserts] and click the [Settings] button.

(3) Select transparency insert settings.

To print the same content on the insert as is printed on the sheet of transparency film, select the [Printed] checkbox ☑. Select the paper source and type if needed.

Set [Transparency] for the "Paper Type" of the bypass tray.

Macintosh



(1) Select [Printer Features].

(2) Select [Transparency Inserts].

(3) Select transparency insert settings.

To print the same content on the insert as is printed on the sheet of transparency film, select [Print] in "Transparency Inserts". Select the paper source and type if needed.

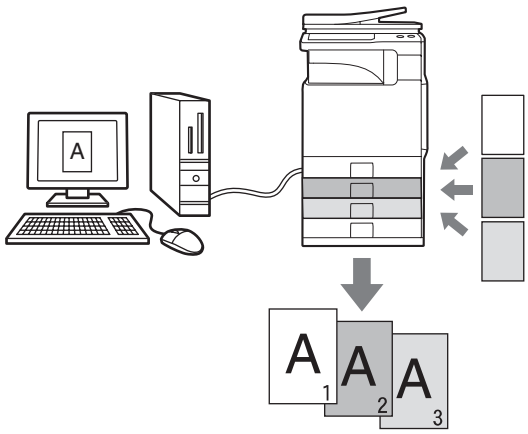
- Set [Transparency] for the "Paper Type" of the bypass tray.
- In Mac OS X v10.2.8, select the [Transparency Inserts] checkbox ☑ in [Advanced].
- In Mac OS 9, select [Transparency Inserts] and select from the "Transparency Inserts" menu. Select the paper source and type if needed.

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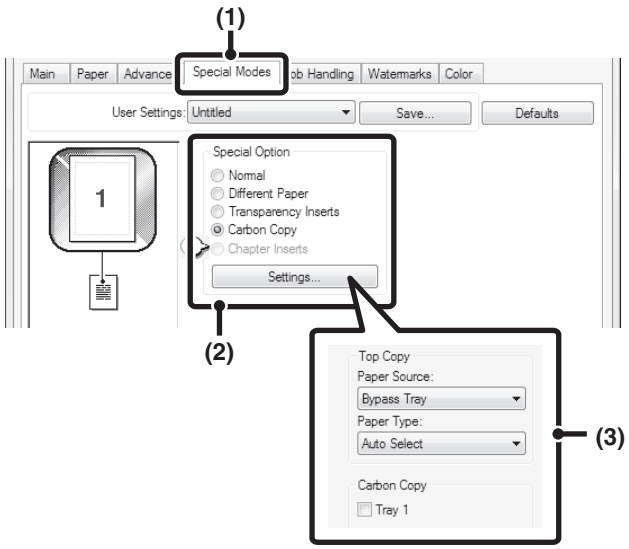
PRINTING A CARBON COPY (Carbon Copy)

(This function is only available in Windows.)

This function is used to print an additional copy of the print image on paper that is the same size but from a different paper tray.
For example, if carbon copy print is selected when standard paper is loaded in tray 1 and coloured paper is loaded in tray 2, a print result similar to a carbon copy slip can be obtained with a single selection of the print command. As another example, if standard paper is loaded in tray 1 and recycled paper is loaded in tray 2, Carbon Copy can simultaneously print one copy for presentation and one copy as a duplicate.



Windows



(1) Click the [Special Modes] tab.

(2) Select [Carbon Copy] and click the [Settings] button.

(3) Select the carbon copy settings.

Select the tray for the "Top Copy" and then select the tray for the carbon copy (or copies) in "Carbon Copy".

When the bypass tray is selected, be sure to select the "Paper Type".

Contents

TWO-SIDED PRINTING WITH SPECIFIC PAGES PRINTED ON THE FRONT SIDE (Chapter Inserts)

(This function is only available in Windows.)

You can have specific pages printed on the front side of the paper.
When a page (such as the first page of a chapter) is specified as a front side page, the page will be printed on the front side of the paper even if would normally be printed on the reverse side (the reverse side will be left blank and the page will be printed on the front side of the next sheet of paper).

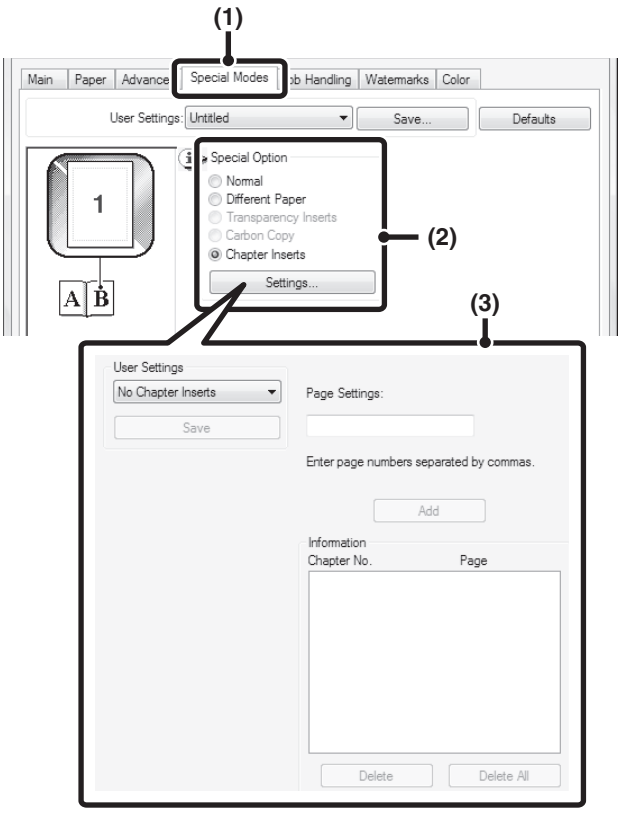
Example:
When pages 4 and 8 are specified as page settings.



Back is blank

Windows

(This function can be used when the PCL6 printer driver is used.)



(1) Click the [Special Modes] tab.

(2) Select [Chapter Inserts] and click the [Settings] button.

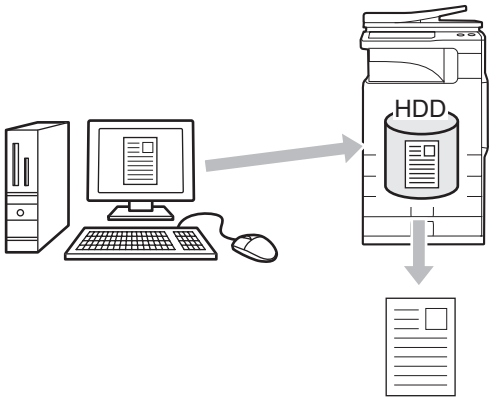
(3) Select the chapter settings.

Enter the page numbers that are to begin chapters in "Page Settings". Click the [Add] button and your settings will appear in "Information". When you have finished selecting settings, click the [Save] button in "User Settings" to save the settings.

Contents

RETENTION (PRINT HOLD) FUNCTION

This function is used to store a print job as a file on the machine's hard drive, allowing the job to be printed from the operation panel when needed.
When printing from a computer, a password (5 to 8 digits) can be set to maintain the secrecy of information in a stored file.
When a password is set, the password must be entered to print a stored file from the machine.



Approximate number of pages and files that can be stored by retention function

Examples of data types*1	Number of pages*2	Number of files
Full colour data (Text and photo example)  Size: A4 (8-1/2" x 11")	Max. 2500	Max. 3000
Black & white data (Text)  Size: A4 (8-1/2" x 11")	Max. 5500	

*1 The data types above are examples to make the explanation easier to understand. The actual number of pages and number of files that can be stored will vary depending on the contents of the print images and the settings when the files are stored.

*2 The indicated numbers are guidelines for the number of pages that can be stored when all pages are full colour, and when all pages are black & white.

Important points when using retention function

Note the following when using retention function:

- Files are assigned the "Sharing" property. "Sharing" files can be retrieved and printed by anyone, and thus a password should be set for sensitive or confidential files that you do not wish others to use.
- A file with a password is saved as a "Confidential" file. Be sure to keep the password secret.
- Even if a file has a password, the property can be changed to "Sharing" in the Web page. Do not store sensitive documents or documents that you do not want to be used by others.
- Except in cases provided for by law, SHARP Corporation bears no responsibility for any damages that result from the leaking of sensitive information due to manipulation by a third party of any data saved using the retention function, or incorrect operation of the retention function by the operator that saves the data.

Print hold files can also be printed from the Web page. To print a file, select [Document Operations] - [Print Hold] in the Web page menu and then select the desired file. You can also view a preview of a stored file and change the property of a stored file in the Web page.

Contents

SAVING PRINT FILES (Retention)

The explanations assume that the paper size and other basic settings have already been selected. For the basic procedure for printing and the steps for opening the printer driver properties window, see the following section:

☞ Windows: BASIC PRINTING PROCEDURE (page 3-4)
☞ Macintosh: BASIC PRINTING PROCEDURE (page 3-16)

In Windows, view printer driver Help for details on printer driver settings for each printing function.

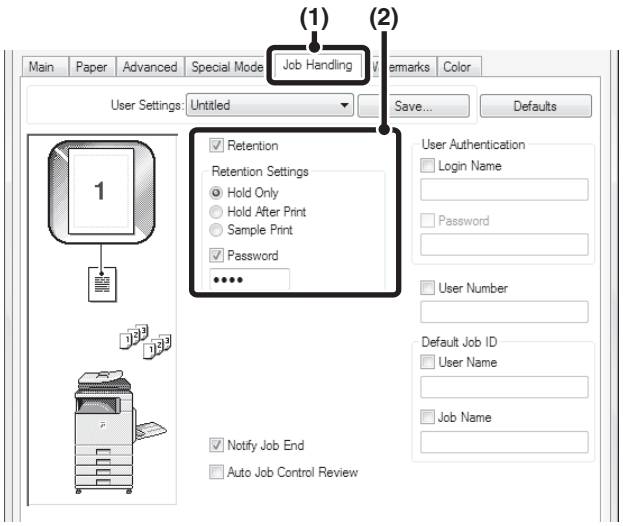
[Retention] menu

Hold Only
This setting is used to hold a print job on the machine's hard drive without printing it.

Hold After Print
This setting is used to hold a print job on the machine's hard drive after it is printed.

Sample Print
When a print job is sent to the machine, only the first set of copies is printed. After checking the contents of the first set of copies, you can print the remaining sets from the operation panel of the machine. This prevents the occurrence of excessive misprints.
To print files stored on the machine's hard drive, see "PRINTING A STORED FILE" (page 3-56).

Windows

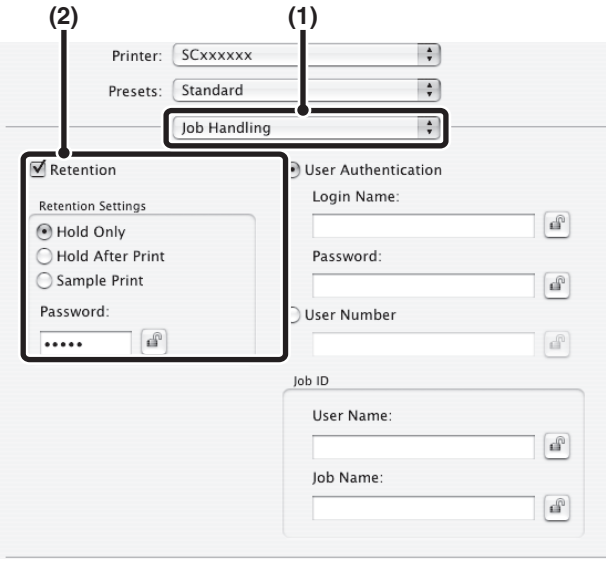


(1) Click the [Job Handling] tab.

(2) Select the retention setting.

Click the [Retention] checkbox ☑. Select the retention method in "Retention Settings". To enter a password (5 to 8 digit number), click the [Password] checkbox ☑.

Macintosh



(1) Select [Job Handling].

(2) Select the retention setting.

Click the [Retention] checkbox . Select the retention method in "Retention Settings". To simplify operation the next time the same password is set, click the (lock) button after entering the password (5 to 8 digit number).

Contents

PRINTING A STORED FILE

A file stored using retention function can be retrieved and printed when needed. The settings used when the file was stored are also stored, and thus the file can be printed again using those settings. Output settings, 2-sided printing, paper size, the number of copies, and other settings can be selected.

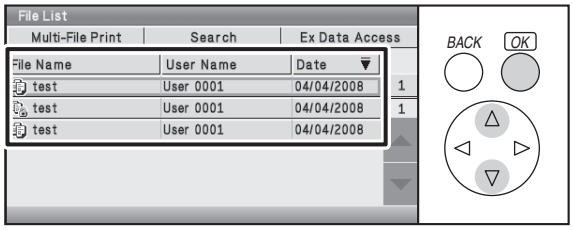
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [PRINT] key.

2

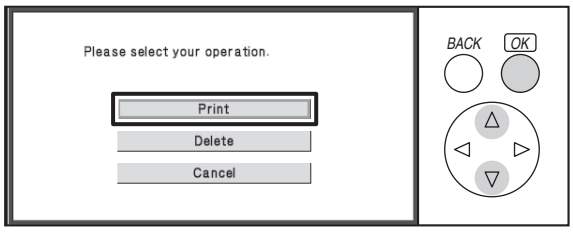


Select the key of the desired file.

If a password is set for the selected file, a password entry screen will appear.
Enter the password with the numeric keys (5 to 8 digits) and select the [OK] key.

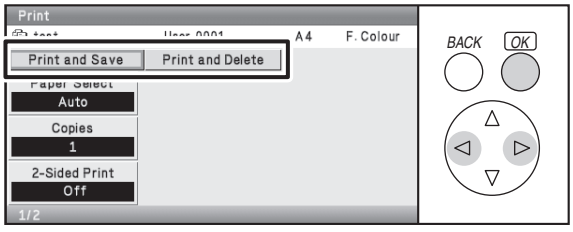
- You can select the [File Name] key, the [User Name] key, or the [Date] key to change the order of display of the files.
- The [Multi-File Print] key can be selected to select multiple files for printing.
☞ MULTI-FILE PRINTING (page 3-59)

3



Select the [Print] key.

4



Select the [Print and Delete] key or the [Print and Save] key.

- If the [Print and Delete] key is selected, the files will be automatically deleted after printing.
- If the [Print and Save] key is selected, the files will be saved after printing.
- Output settings, 2-sided printing, paper size, the number of copies, and other settings can be selected. For more information, see "PRINT SETTINGS SCREEN" (page 3-58).

- A file saved in black and white or greyscale cannot be printed in colour.
- If print settings are changed when a stored file is printed, the only changed setting that can be stored is the number of copies.
- The printing speed may be somewhat slow depending on the resolution and exposure mode settings of the stored file.

Contents

Automatically print all stored data

When user authentication is enabled, all retained (stored) print jobs of a user who logs in can be printed automatically after log in.
After all jobs are printed, the files are deleted.

To use the print all function, the following steps are necessary:

- "Automatically print stored jobs after login" must be enabled in [User Control] - [Default Settings] in the Web page menu. (Administrator rights are required.)
- At the time of retention print, in addition to user authentication information, **the user name stored in the machine** must be entered in "User Name" of the job ID in the printer driver.
  ☞ Windows: PRINTING WHEN THE USER AUTHENTICATION FUNCTION IS ENABLED (page 3-8)
  ☞ Macintosh: PRINTING WHEN THE USER AUTHENTICATION FUNCTION IS ENABLED (page 3-21)

(1) Log into the machine.

Enter your user number or login name and password in the user authentication screen of the machine.

(2) Perform print all.

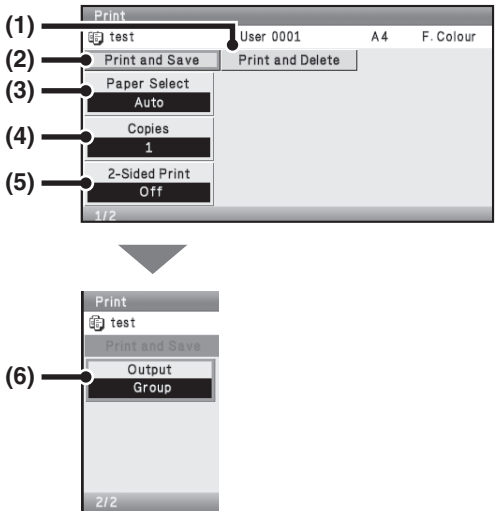
A confirmation prompt will appear. Select the [OK] key. The print files stored in the machine will be printed automatically and then deleted.

Files with a password and files that are protected by the print hold function of the machine will not be printed.

If you do not wish to "print all"...
Select the [Cancel] key in step (2).

PRINT SETTINGS SCREEN

When a file is stored in the machine, the print settings that were in effect when the file was printed from the printer driver are also stored. However, the settings below can be changed when you print a stored file.
For the procedures for operating the settings screen, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".



(1) [Print and Delete] key

Printing begins when this key is selected. When printing is finished, the file will be automatically deleted.

(2) [Print and Save] key

Printing begins when this key is selected. The file will not be deleted after printing.

(3) [Paper Select] key

Use this key to select the paper tray from which paper is fed.

(4) [Copies] key

Use this key to set the number of copies.

(5) [2-Sided Print] key

Use this key to select the orientation of the image on the reverse side of the paper for 2-sided printing. To have the front and back images oriented in the same direction, select the [2-Sided Booklet] key. To have the front and back images oriented opposite to each other, select the [2-Sided Tablet] key. Note that the size and orientation of the saved image may cause these keys to have the opposite effect.
Select the [Off] key when you only wish to print on one side of the paper.

(6) [Output] key

Use this key to select Sort, Group, Staple Sort* or Offset*.
* When a finisher is installed.

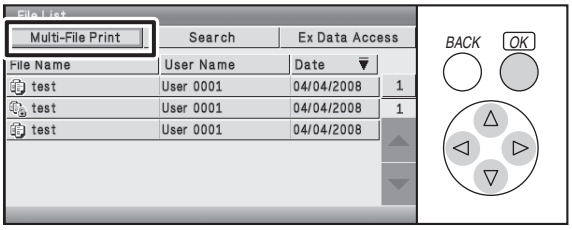
Contents

MULTI-FILE PRINTING

Multiple files in a folder can be selected for printing.

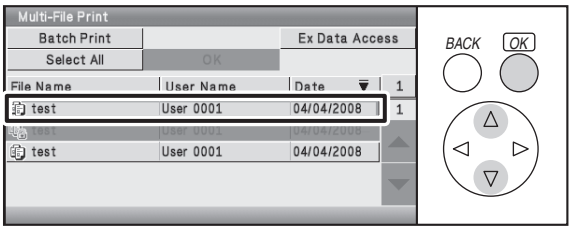
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Multi-File Print] key.

2

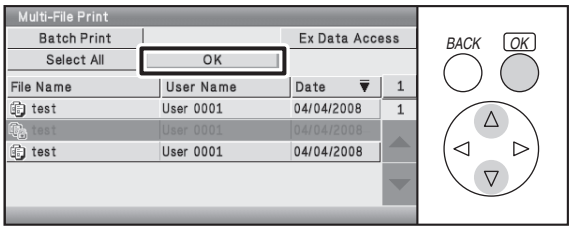


Select the keys of the files that you wish to print.

- Selected file keys will be highlighted to indicate that they have been selected.
- To cancel the selection of a file, select the highlighted file key so that it is no longer highlighted.
- To select all displayed file keys except those of confidential files, select the [Select All] key.
- The [Batch Print] key can be used to print all files of a particular user or all files that have the same password. For more information, see "Batch printing" (page 3-61).

- Multi-file printing of confidential files is not possible.
- If the screen is changed with the [BACK] key while a file is selected, the selection of the file will be cancelled.
- When the [Select All] key is selected, it will change into the [Cancel All] key. To cancel the selection of all files that was made with the [Select All] key, select the [Cancel All] key.
- If all files are selected without using the [Select All] key, the key will not change into the [Cancel All] key. If selection of all files is cancelled without using the [Cancel All] key, the key will remain the [Cancel All] key.

3

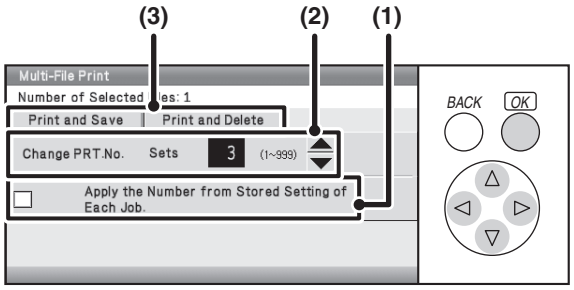


Select the [OK] key

The selected file is entered and the screen changes to the print screen.

Contents

4



Printing a selected file.

The number of selected files appears in the number of selected files display.
If you wish to use the number of copies that was stored with the file, go to step (3).

(1) Select the [Apply the Number from Stored Setting of Each Job] checkbox so that it is not selected (☐).

(2) Set the number of copies.

- Select either of the ▼ ▲ keys with the ▽ △ keys and press the [OK] key repeatedly to change the number.
- You can also enter the number of copies with the numeric keys without moving the selection frame.

(3) Select the [Print and Delete] key or the [Print and Save] key.

- If the [Print and Delete] key is selected, the files will be automatically deleted after printing.
- If the [Print and Save] key is selected, the files will be saved after printing.

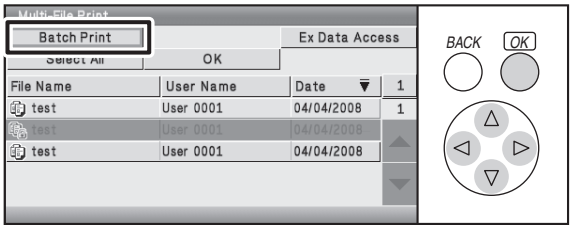
Contents

Batch printing

All files that have the same user name and password can be printed at once. When the [Multi-File Print] key is selected, it changes into the [Batch Print] key.

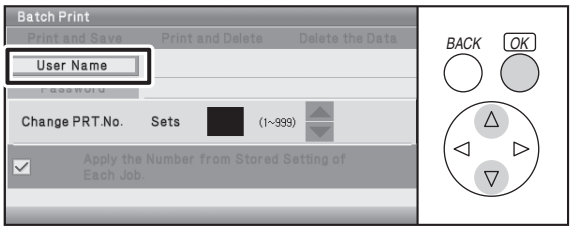
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Batch Print] key.

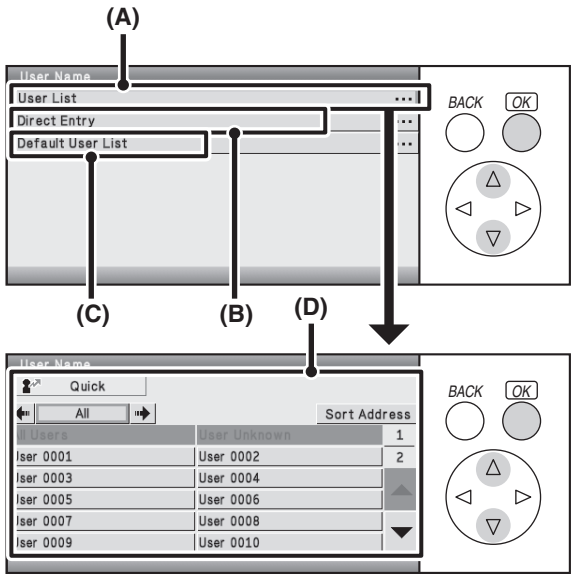
2



Select the [User Name] key.

When user authentication is used, the user name that was used for login is automatically selected.

3



Select the user name.

There are three ways to select the user name:

(A) Select the [User List] key and press the [OK] key.

A user list (D) appears. Select with the ▽ △ ◁ ▷ keys and press the [OK] key.

If you accidentally select the wrong user name, select the key of the correct name.

If the [Quick] key is selected, an area for entering the "Registration No." [----] appears in the message display. Use the numeric keys to enter the "Registration No." that has been set in [User Control] - [User List] in the Web page (administrator). This will allow you to select the user name.

(B) Select the [Direct Entry] key and press the [OK] key.

A text entry screen appears. Directly enter the user name.

(C) Select the [Default User List] key and press the [OK] key.

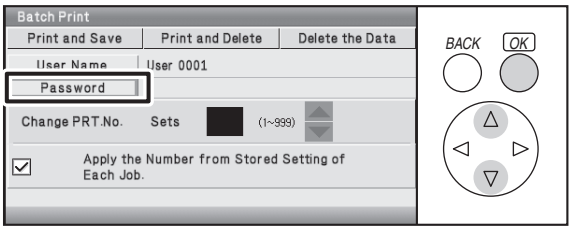
The user name can be selected from the factory stored users.

When [Selection of [All Users] is not allowed] checkbox and [Selection of [User Unknown] is not allowed] checkbox are disabled in "Print Hold Setting" (Web page only) in the system settings (administrator), the [All Users] key and [User Unknown] key can be selected.

The [All Users] key can be selected to select all files in the folder (the files of all users).

The [User Unknown] key can be selected to select all files in the folder that do not have a user name.

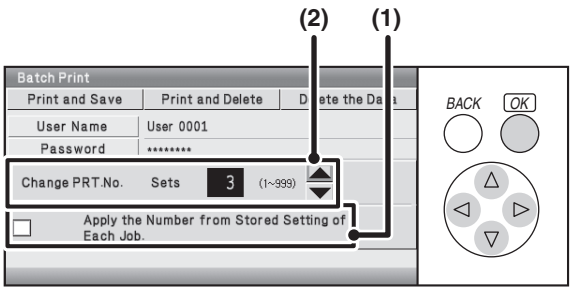
4



If a password has been established, select the [Password] key.

Enter the password with the numeric keys (5 to 8 digits) and select the [OK] key. Only files that have the same password will be selected.
If you do not wish to enter a password, go to the next step.

5



To change the number of copies, configure the settings.

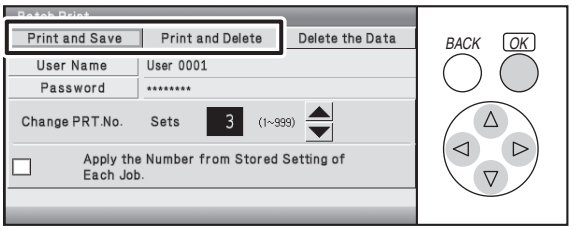
If you wish to use the number of copies stored with each file, go to step 6.

(1) Select the [Apply the Number from Stored Setting of Each Job] checkbox so that it is not selected (☐).

(2) Set the number of copies.

- Select either of the ▼ ▲ keys with the ▽ △ keys and press the [OK] key repeatedly to change the number.
- You can also enter the number of copies with the numeric keys without moving the selection frame.

6



Select the [Print and Delete] key or the [Print and Save] key.

- If the [Print and Delete] key is selected, the files will be automatically deleted after printing.
- If the [Print and Save] key is selected, the files will be saved after printing.

All files that match the current search conditions can be deleted by selecting the [Delete the Data] key.

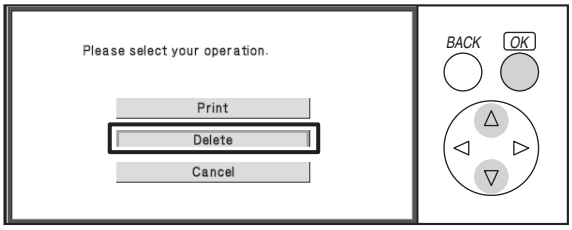
Contents

DELETING A STORED FILE

Stored files that are no longer needed can be deleted.
☞ PRINTING A STORED FILE (page 3-56)

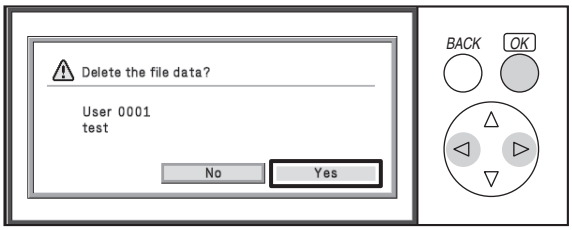
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Delete] key.

2



Check the file and then select the [Yes] key.

A file whose property is "Protect" cannot be deleted. To delete a protected file, change its property to "Sharing" or "Confidential".
This setting can be configured in [Print Hold] in [Document Operations] in the Web page menu.

Automatic deletion of files

You can have stored data automatically deleted at regular intervals by specifying a periodic deletion time. Periodic deletion of files stored in the machine helps to prevent the leaking of sensitive information and frees space on the hard drive.
Every day, every week, or every month can be selected for the deletion cycle, and a time can be set for each selection. For example, you can set file deletion to take place every week on Friday at 6:00 PM.
Automatic file deletion settings are configured in "Automatic Deletion of File Settings" (Web page only) in the system settings (administrator).

To check the settings, print the following list in the system settings.
To check information on the deletion cycle: Print "Print Hold" of the "Administrator Settings List" (Web page only) in the system settings (administrator).

When "Automatic Deletion of File Settings" (Web page only) is enabled in the system settings (administrator), all files will be deleted when the set time arrives.

- **System Settings (Administrator): Automatic Deletion of File Settings (Web page only)**
  Configure settings for automatic deletion at regular intervals of files stored using the print hold function.
- **System Settings (Administrator): Administrator Settings List (Web page only)**
  Use this to print a list of the administrator settings, including print hold settings.

Contents

SEARCHING FOR A STORED FILE

When there are many stored files, it may take time to find a file. The search function can be used to find a file quickly. Searching is possible even when you only know part of the file name.

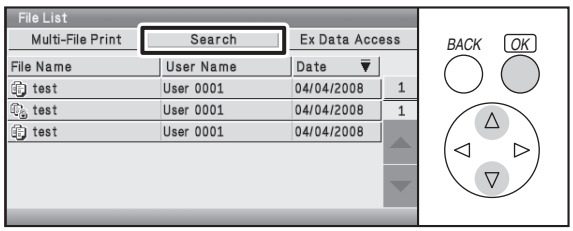
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [PRINT] key.

2



Select the [Search] key.

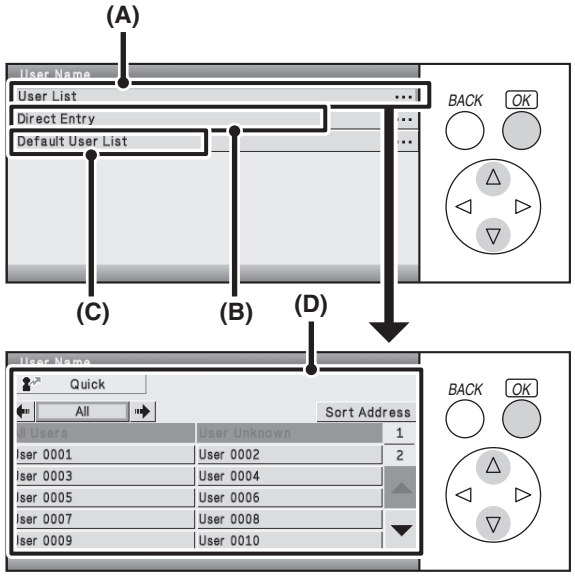
3



Select the [User Name] key or the [File Name] key.

- If you know the user name, select the [User Name] key and go to "Using the user name to search" in step 4.
- If you know the file name, select the [File Name] key and go to "Using the file name to search" in step 4.

4



Using the user name to search

There are three ways to select the user name:

(A) Select the [User List] key and press the [OK] key.

A user list (D) appears. Select with the ▽ △ ◁ ▷ keys and press the [OK] key.

If you accidentally select the wrong user name, select the key of the correct name.

If the [Quick] key is selected, an area for entering the "Registration No." [----] appears in the message display. Use the numeric keys to enter the "Registration No." that has been set in [User Control] - [User List] in the Web page (administrator). This will allow you to select the user name.

(B) Select the [Direct Entry] key and press the [OK] key.

A text entry screen appears. Directly enter the user name. Searching is possible even if you only enter the first several letters of the user name.

(C) Select the [Default User List] key and press the [OK] key.

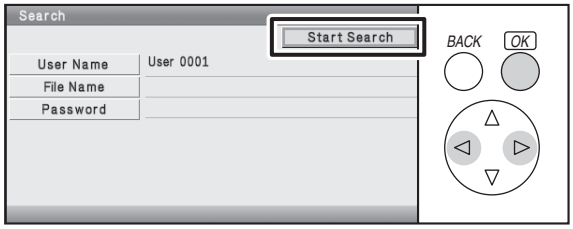
The user name can be selected from the factory stored users.

After the user name is selected, the [Password] key can be selected. To search for files of the selected user name that have a certain password, select the [Password] key and enter the password.
(It is not possible to search using a password only.)

Using the file name to search

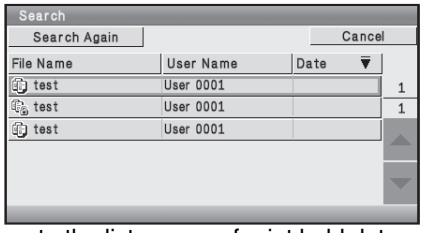
Enter the file name in the text entry screen that appears and select the [OK] key.

5



Select the [Start Search] key.

The search results will appear in a screen similar to the following screen. A list of the files that match your search criteria will appear. Select the desired file from the list. The job settings screen will appear.



To return to the list screen of print hold data, select the [Cancel] key.
To return to the file search screen, select the [Search Again] key.

You can also use the Web pages to search for a file. Click [Document Operations], [Print Hold], and then [Search] in the Web page menu.

Contents

PRINTING WITHOUT THE PRINTER DRIVER

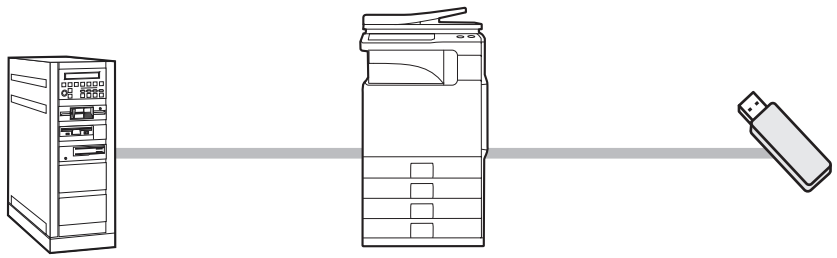
When you do not have the printer driver installed on your computer, or when the software application used to open a file that you wish to print is not available, you can print directly to the machine without using the printer driver.
The file types (and corresponding extensions) that can be printed directly are shown below.

File Type	TIFF	JPEG	PCL	PDF/ Encrypted PDF	PS	XPS
Extension	tiff, tif	jpeg, jpg, jpe, jfif	pcl	pdf	ps	xps

- Even if the print result is black and white, the following types of print jobs will be counted as 4-colour (Y (Yellow), M (Magenta), C (Cyan), and Bk (Black)) print jobs. To be always counted as a black and white job, select black and white printing.
  - When the data is created as colour data.
  - When the application treats the data as colour data even though the data is black and white.
  - When an image is hidden under a black and white image.
- To print PDF and PS files, the PS3 expansion kit must be installed.
- To print XPS files, the XPS expansion kit must be installed.
- Depending on the file type, it may not be possible to print some files in the above table.

DIRECTLY PRINTING FROM THE MACHINE

A file on an FTP server, in a network folder or in a USB memory device connected to the machine can be selected and printed from the operation panel of the machine without using the printer driver.



Contents

DIRECTLY PRINTING A FILE ON AN FTP SERVER

When an FTP server is configured in the machine's Web pages, you can specify and print a file on the FTP server from the operation panel of the machine. This saves you the trouble of downloading the file and printing it from a computer.

To configure FTP server settings, click [Application Settings] and then [Setting for Print from the MFP(FTP)] in the Web page menu. (Administrator rights are required.) Up to 20 FTP servers can be configured.

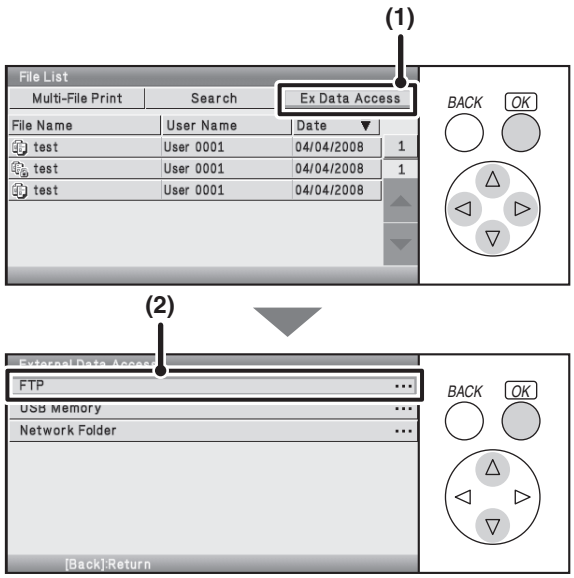
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [PRINT] key.

2



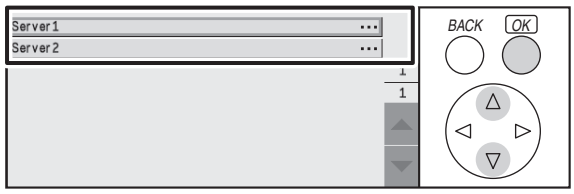
Access the FTP server.

(1) Select the [Ex Data Access] key.

(2) Select the [FTP] key.

The [FTP] key cannot be selected when any FTP server has not been configured.

3



Select the key of the FTP server that you wish to access.

Contents

4

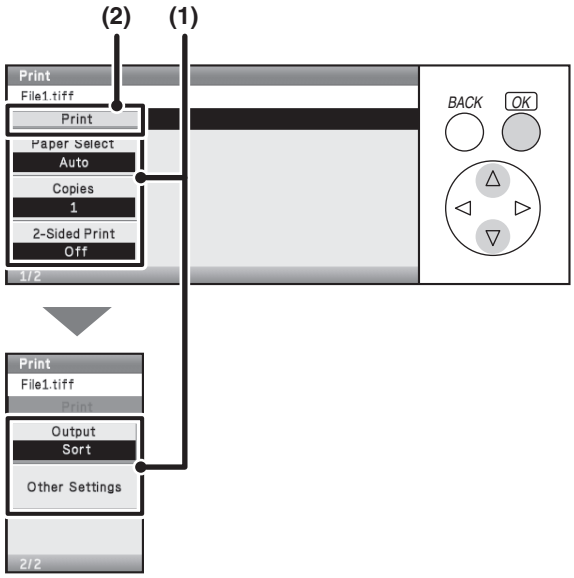


Select the key of the file that you wish to print.

- The icon appears to the left of keys of files that can be printed.
- The icon is displayed to the left of keys of folders on the FTP server. To display the files and folders in a folder, select the key of the folder.

- A total of 100 keys of files and folders can be displayed.
- Press the [BACK] key to move up one folder level.
- Select the [File or Folder Name] key and press the [OK] key to change the order of the files and folders displayed on the screen. The order switches between ascending order and descending order each time you press the [OK] key.

5



Print the selected file.

(1) Select print conditions.

If you selected a file (PCL, PS, or XPS) in step 4 that includes print settings, the settings will be applied.

(2) Select the [Print] key.

Printing begins. When the message appears in the display, select the [OK] key.

When you select a PDF file that has a password, you must enter the password in the job status screen to begin printing.
☞ PRINTING AN ENCRYPTED PDF FILE (page 3-78)

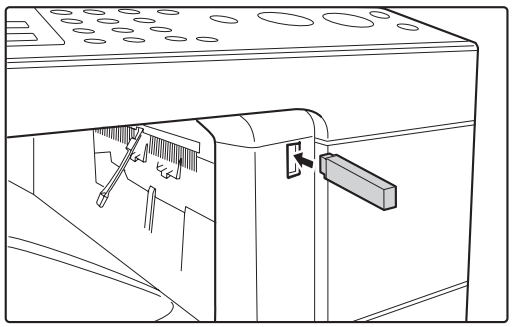
Contents

DIRECTLY PRINTING A FILE IN USB MEMORY

A file in a USB memory device connected to the machine can be printed from the operation panel of the machine without using the printer driver. When the printer driver of the machine is not installed on your computer, you can copy a file into a commercially available USB memory device and connect the device to the machine to print the file directly.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Connect the USB memory device to the machine.

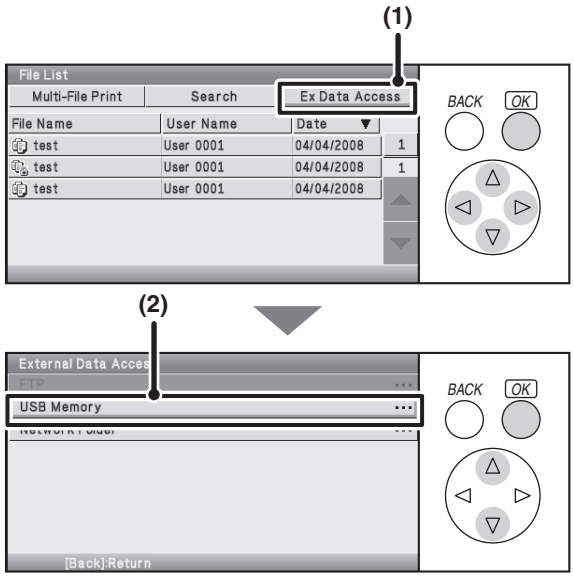
Use a FAT32 USB memory with a capacity of no more than 32 GB.

2



Press the [PRINT] key.

3



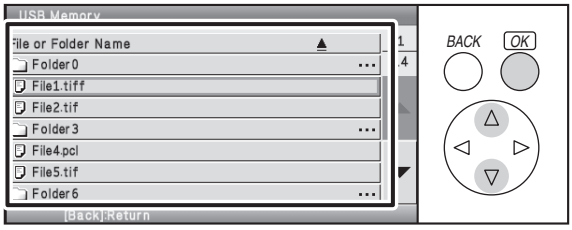
Access the USB memory device.

(1) **Select the [Ex Data Access] key.**

(2) **Select the [USB Memory] key.**

Contents

4

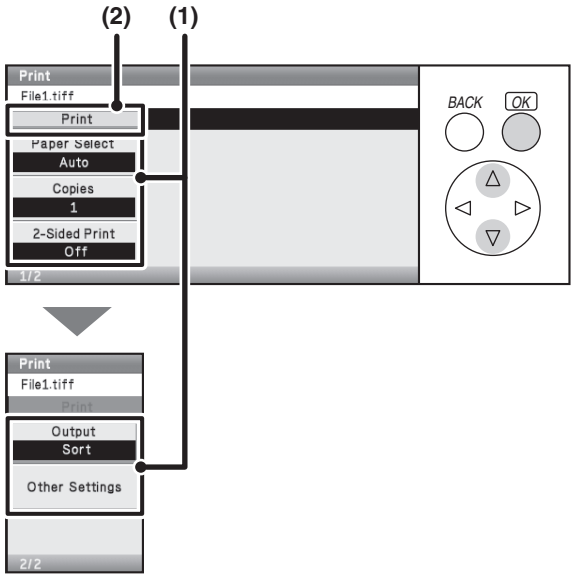


Select the key of the file that you wish to print.

- The icon appears to the left of keys of files that can be printed.
- The icon is displayed to the left of keys of folders in the USB memory. To display the files and folders in a folder, select the key of the folder.

- A total of 100 keys of files and folders can be displayed.
- Press the [BACK] key to move up one folder level.
- Select the [File or Folder Name] key and press the [OK] key to change the order of the files and folders displayed on the screen. The order switches between ascending order and descending order each time you press the [OK] key.

5



Print the selected file.

(1) Select print conditions.

If you selected a file (PCL, PS, or XPS) in step 4 that includes print settings, the settings will be applied.

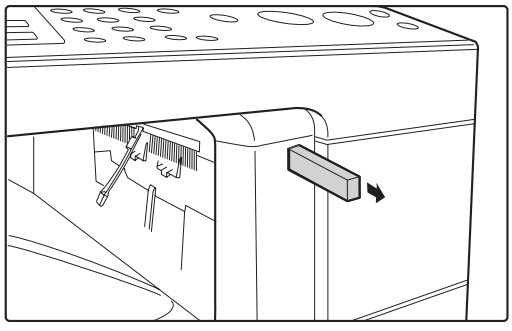
(2) Select the [Print] key.

Printing begins after the selected file is transferred. When the message appears in the display, select the [OK] key.

To cancel printing...

To cancel printing while the file is being transferred, select the [Cancel] key in the message screen that appears in the display.

6



Remove the USB memory device from the machine.

When you select a PDF file that has a password, you must enter the password in the job status screen to begin printing.

☞ PRINTING AN ENCRYPTED PDF FILE (page 3-78)

DIRECTLY PRINTING A FILE IN A NETWORK FOLDER

You can use the machine's operation panel to select and print a file on a server or in a shared folder of an individual's computer on the same network as the machine.

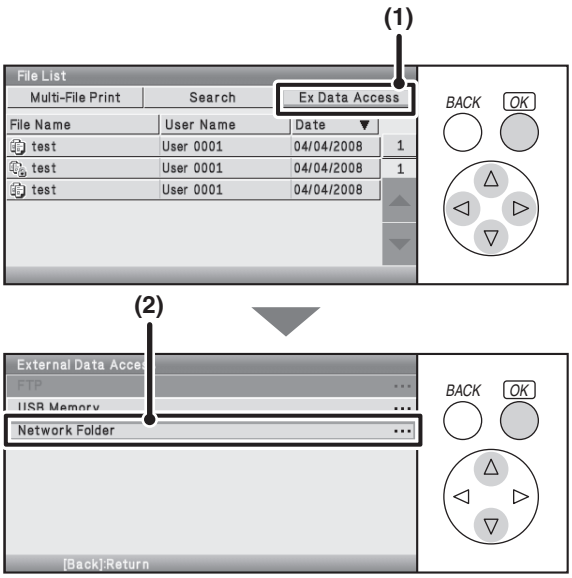
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [PRINT] key.

2



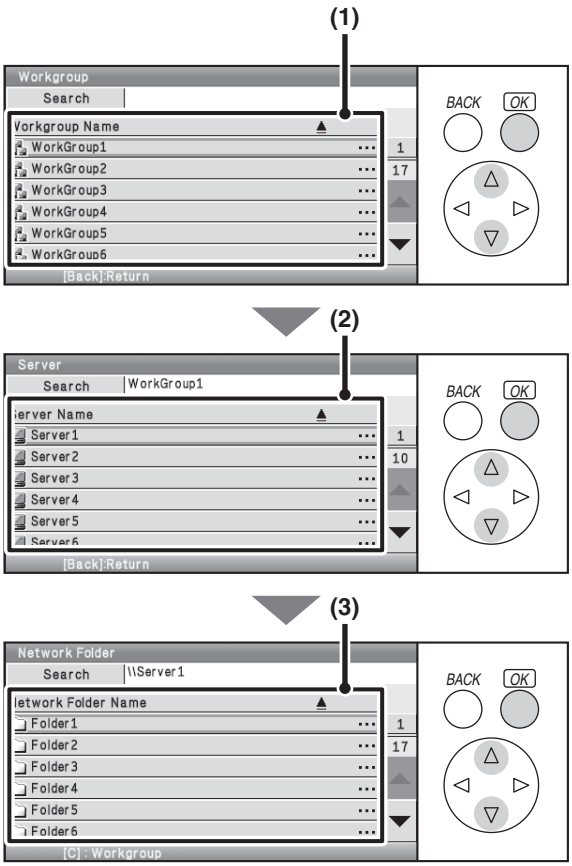
Access the network.

(1) Select the [Ex Data Access] key.

(2) Select the [Network Folder] key.

Contents

3



Access the network folder.

(1) Select the key of the workgroup that you wish to access.

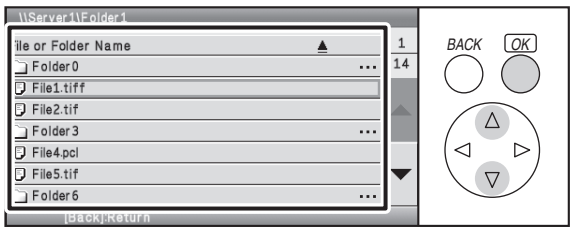
(2) Select the key of the server or computer that you wish to access.

If a screen appears prompting you to enter a user name and password, check with your server administrator and enter the appropriate user name and password.

(3) Select the key of the network folder.

- You can select the [Search] key and enter a keyword to search for a workgroup, server, or network folder. For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".
- Up to 100 workgroups, 100 servers, and 100 network folders can be displayed.
- Press the [BACK] key to move up one folder level.
- To change the sorting order of the displayed keys, select the key that shows ▲ or ▼ in each screen. The order switches between ascending order and descending order each time you press the [OK] key.
- To go to a particular page, select the [1] key that shows the current page number and enter the desired page number.

4



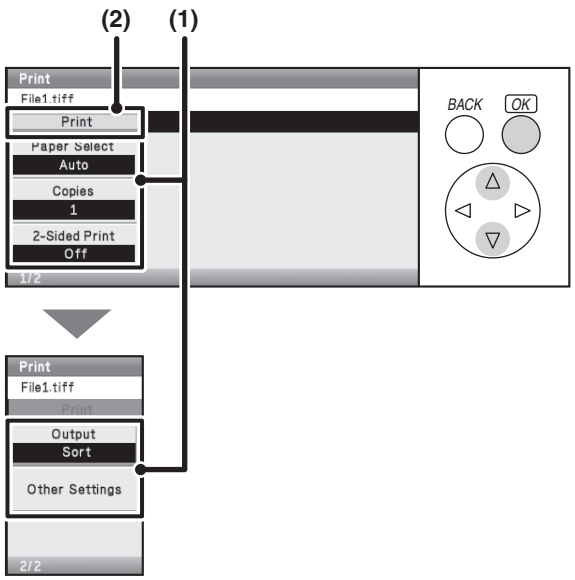
Select the key of the file that you wish to print.

- The icon appears to the left of keys of files that can be printed.
- The icon is displayed to the left of keys of folders in the network folder. To display the files and folders in a folder, select the key of the folder.

- A total of 100 keys of files and folders can be displayed.
- Press the [BACK] key to move up one folder level.
- Select the [File or Folder Name] key and press the [OK] key to change the order of the files and folders displayed on the screen. The order switches between ascending order and descending order each time you press the [OK] key.

Contents

5



Print the selected file.

(1) Select print conditions.

If you selected a file (PCL, PS, or XPS) in step 4 that includes print settings, the settings will be applied.

(2) Select the [Print] key.

Printing begins after the selected file is transferred. When the message appears in the display, select the [OK] key.

When you select a PDF file that has a password, you must enter the password in the job status screen to begin printing.
☞ PRINTING AN ENCRYPTED PDF FILE (page 3-78)

Contents

DIRECTLY PRINTING FROM A COMPUTER

Settings can be configured in the Web pages of the machine to enable direct printing from a computer without using the printer driver.

SUBMIT PRINT JOB

You can specify a file to be printed directly without using the printer driver.
In addition to a file on your computer, this procedure can be used to print any file that can be accessed from your computer, such as a file on another computer connected to the same network.
To directly print a file on a computer, click [Document Operations] and then [Submit Print Job] in the Web page menu.

FTP PRINT

You can print a file from your computer by simply dragging and dropping the file onto the FTP server of the machine.

- **Configuring settings**
  To enable FTP Print, click [Application Settings] and then [Setting for Print from the PC] in the Web page menu, and configure the port number. (Administrator rights are required.)

- **Performing FTP Print**
  Type "ftp://" and then the IP address of the machine in the address bar of your computer's Web browser as shown below.
  (Example)
  ftp://192.168.1.28

Drag and drop the file that you wish to print onto the "lp" folder that appears in your Web browser. The file will automatically begin printing.

- If you printed a file (PCL, PS, or XPS) that includes print settings, the settings will be applied.
- When user authentication is enabled, the print function may be restricted. For more information, ask your administrator.

Contents

E-MAIL PRINT

An e-mail account can be configured in the machine to have the machine periodically check your mail server and automatically print received e-mail attachments without using the printer driver.

- **Configuring settings**
  To use E-mail Print, you must first configure an e-mail account in the machine. To configure an account, click [Application Settings] and then [E-mail Print Settings] in the Web page menu. (Administrator rights are required.)

- **Using E-mail Print**
  To print a file using E-mail Print, use your e-mail program on your computer to send the file as an attachment to the machine's e-mail address.

  Control commands can be entered in the message of the e-mail to specify the number of copies and print format. Commands are entered in the format "command name = value".
  As an example, the control commands include the following:

Function	Command name	Values
Copies	COPIES	1-999
Staples*1	STAPLEOPTION	NONE, ONE
Output	COLLATE	OFF, ON
2-sided print	DUPLEX	OFF, TOP, LEFT, RIGHT
Account number*2	ACCOUNTNUMBER	Number (5 to 8 digits)
File type	LANGUAGE	PCL, PCLXL, POSTSCRIPT, PDF, TIFF, JPG, XPS
Paper	PAPER	Name of available paper (A4, LETTER, etc.)
Print hold	FILE	OFF, ON
Black & white printing	B/W PRINT	OFF, ON
Fit to page	FITIMAGETOPAGE	OFF, ON

Example

```
COPIES=2
DUPLEX=LEFT
ACCOUNTNUMBER=11111
PAPER=A4
B/W PRINT=ON
```

*1 Only effective when a finisher is installed.
*2 Can be omitted except when authentication is by user number.

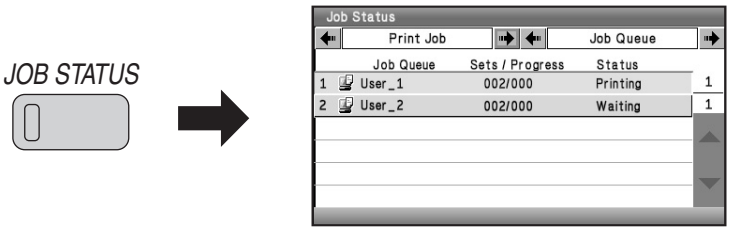
- Enter the commands in Plain Text format. If entered in Rich Text format (HTML), the commands will have no effect.
- To receive a list of the control commands, enter the command "Config" in the e-mail message.
- If nothing is entered in the body text (message) of the e-mail, printing will take place according to the "Printer Default Settings" (Web page only) in the system settings. If you printed a file (PCL, PS, or XPS) that includes print settings, the settings will be applied.
- Only enter a "File type" when you are specifying a page-description language. Normally there is no need to enter a file type.

Contents

CHECKING THE PRINT STATUS

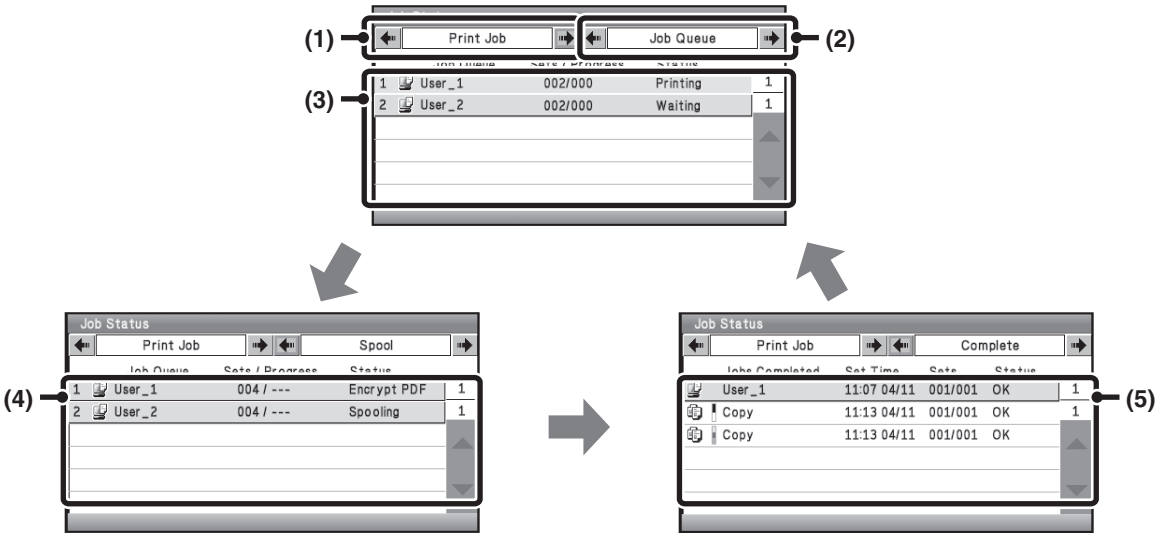
JOB STATUS SCREEN

The job status screen is displayed when the [JOB STATUS] key on the operation panel is pressed. The job status screen shows the status of jobs by mode. When the [JOB STATUS] key is pressed, the job status screen of the mode that was being used before the key was pressed appears.



SPOOL SCREEN/JOB QUEUE SCREEN/COMPLETED JOB SCREEN

The job status screen consists of the job queue screen that shows copy and print jobs waiting to be printed and the job currently in progress, the completed job screen that shows jobs that have been completed, and the spool screen that shows print jobs that have been spooled and encrypted PDF jobs that are waiting for a password to be entered.



(1) Mode select keys ( )
Use these keys to select the mode that is shown in the job status screen.
The status of print jobs can be checked by selecting [Print Job].

(2) Job status screen selector keys ( )
Select these keys to switch through the job queue screen, the completed jobs screen, and the spool screen.

(3) Job list (job queue screen)
Jobs waiting to be printed appear in the job queue as keys. The jobs are printed in order from the top of the queue. Each job key shows information on the job and the current status of the job.

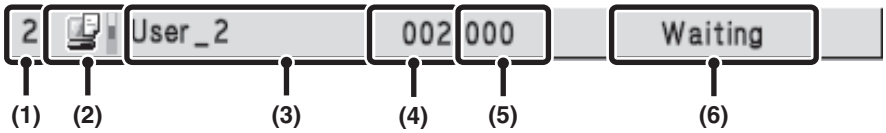
(4) Job list (spool screen)
Spooled print jobs and encrypted PDF print jobs that require a password to be entered are displayed.

(5) Job list (completed jobs screen)
This shows up to 99 completed jobs. The result (status) of each completed job is shown.

Contents

Job key display

Each job key shows the position of the job in the job queue and the current status of the job.



(1) Indicates the number (position) of the job in the job queue.

When the job currently being printed is finished, the job moves up one position in the job queue.
This number does not appear in keys in the completed jobs screen.

(2) Mode icon

The icon appears when the job is a print job. In the completed jobs screen, a colour bar appears next to the icon to indicate whether the job was executed in colour or black & white. (However, the colour bar icon does not appear in the key of a job that used retention function.)

(3) User name

The computer login name of the user will appear in the print job.
A "User Name" can be entered in the printer driver to display the name of the user who executed the job.

(4) Number of sets entered

This shows the number of sets specified.

(5) Number of completed sets

This shows the number of sets completed. "000" appears while the job is waiting in the job queue.

(6) Status

Shows the job status.

Message	Status
"Printing"	Printing is in progress.
"Waiting"	The job is waiting to be executed.
"Toner Empty"	The toner cartridge is out of toner. Replace the toner cartridge with a new cartridge.
"Paper Empty"	The paper used for the job has run out. Add paper or change to a different paper tray.
"Limit"	The printing page limit has been exceeded. Check with the administrator of the machine.
"Error"	An error occurred while the job was being executed. Clear the error condition.
"Rendering"	Analyzing print data.
"Spooling"	Print data is being received or a job is waiting for analysis after being spooled.
"Encrypt PDF"	Upon analysis, if a spooled job is found to be an encrypted PDF, it changes to the password entry wait state.

Contents

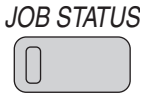
PRINTING AN ENCRYPTED PDF FILE

Encrypted PDF is used to protect a PDF file by requiring the entry of a password to print or edit the file. To directly print an encrypted PDF file on an FTP server or in a USB memory device, etc. connected to the machine, follow the steps below to enter the password and begin printing.

The PS3 expansion kit is required to use this function.

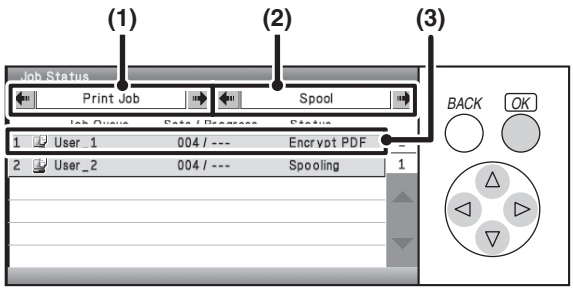
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Select the encrypted PDF print job.

(1) Change the job status mode to [Print Job].

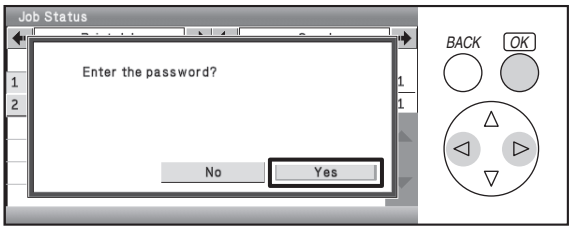
Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Spool].

Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the print job key of the PDF file that has the password.

3



Select the [Yes] key.

A text entry screen appears. Enter the password (32 characters or less) and select the [OK] key. The print job is released and moved to the [Job Queue].

When both a master password and a user password (which is used to open the file) have been set, enter the master password.

- To print an encrypted PDF file using the printer driver, enter the password when opening the file on your computer.
- Printing is not possible if you do not know the password for an encrypted PDF file. To delete a spooled print job, select the [No] key in the screen of step 3 and select the [Stop/Delete] key.
- Encrypted PDF versions that can be directly printed are 1.6 (Adobe® Acrobat® 7.0) and earlier.

Contents

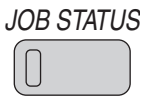
GIVING A PRINT JOB PRIORITY/CANCELLING A PRINT JOB

GIVING A PRINT JOB PRIORITY

When the machine is busy copying or printing a received fax or other job, you can give priority to a print job that is waiting to be printed and print it ahead of the other jobs.

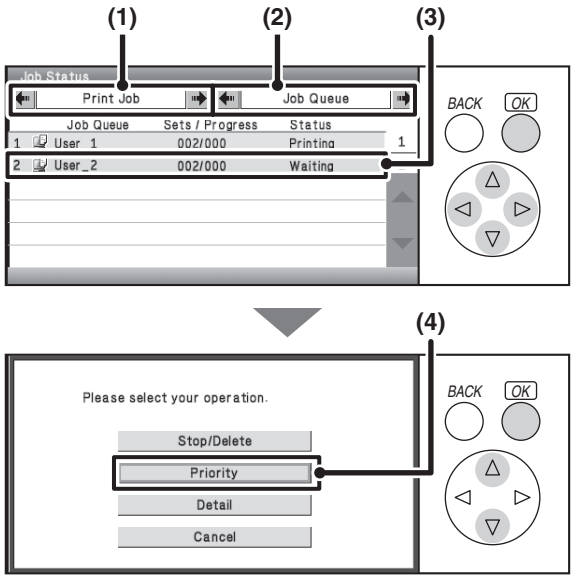
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Give the desired job priority.

(1) Change the job status mode to [Print Job].

Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Job Queue].

Select either of the ◀ ▶ keys with the ◁ ▷ keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the key of the print job to which you want to give priority.

(4) Select the [Priority] key.

The job being printed stops and the job selected in (3) is printed.

To check print information on the selected job, select the [Detail] key.

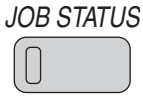
Contents

CANCELLING A PRINT JOB

A job being printed, a job waiting to be printed, or a spooled job can be cancelled.

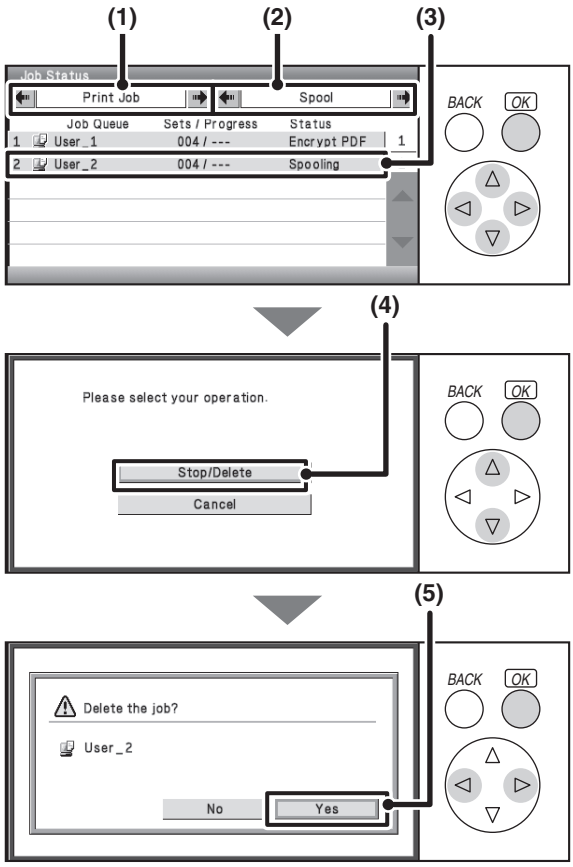
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Cancel the job.

(1) Change the job status mode to [Print Job].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Spool] or [Job Queue].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(3) Select the key of the print job that you wish to cancel.

(4) Select the [Stop/Delete] key.

(5) A message appears to confirm the cancellation. Select the [Yes] key.

The selected job key is deleted and printing is cancelled.

It is also possible to cancel printing with the [STOP] key ( ) on the operation panel. When the [STOP] key ( ) is pressed, a message will appear asking you if you want to cancel the job.

If you do not want to cancel the selected print job...
Select the [No] key in step (5).

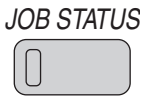
Contents

CHANGING TO ANOTHER PAPER SIZE AND PRINTING WHEN PAPER RUNS OUT

If printing stops because the machine ran out of paper, or if the size of paper specified in the printer driver is not loaded in the machine, a message will appear in the display. Printing will begin automatically when the [OK] key is selected and paper is loaded in the machine. If you wish to print on paper in another tray because the desired size of paper is not immediately available, follow the steps below.

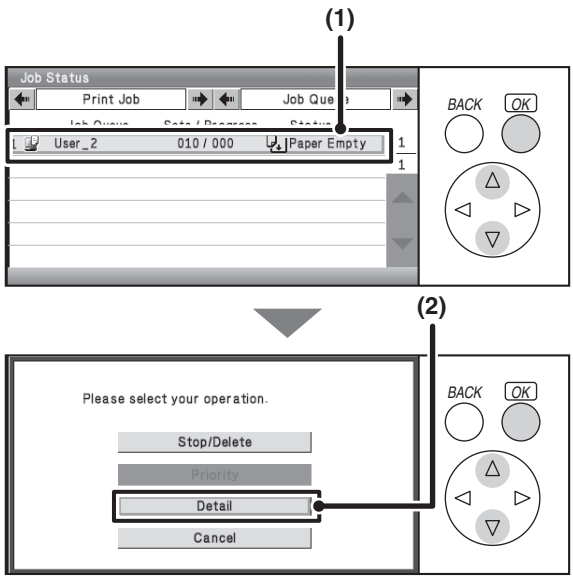
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2

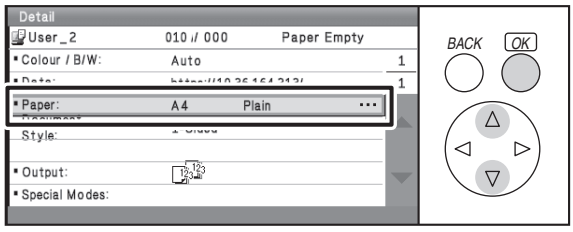


Display details on the print job for which there is no paper.

(1) Select the key of the job for which "Paper Empty" appeared.

(2) Select the [Detail] key.

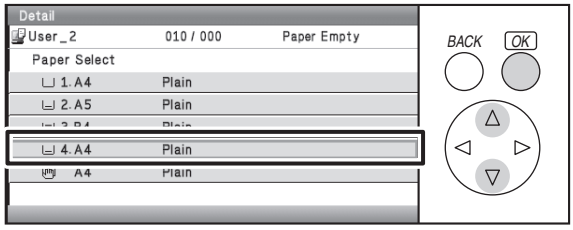
3



Select the [Paper] key.

Contents

4



Select the key of the tray that has the paper you wish to use.

Printing begins.

If you changed to a different paper size, printing may not take place correctly; for example part of the text or image may run off the paper.

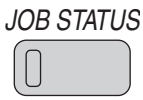
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RETRIEVING AND USING A FILE FROM THE JOB STATUS SCREEN

Files stored selecting other than "Hold Only" in "Retention Settings" can be manipulated from the job status complete screen.

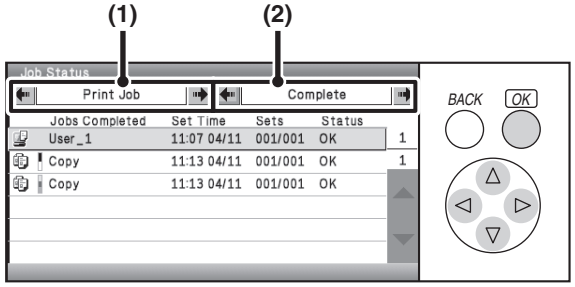
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Change the print job status mode to [Complete].

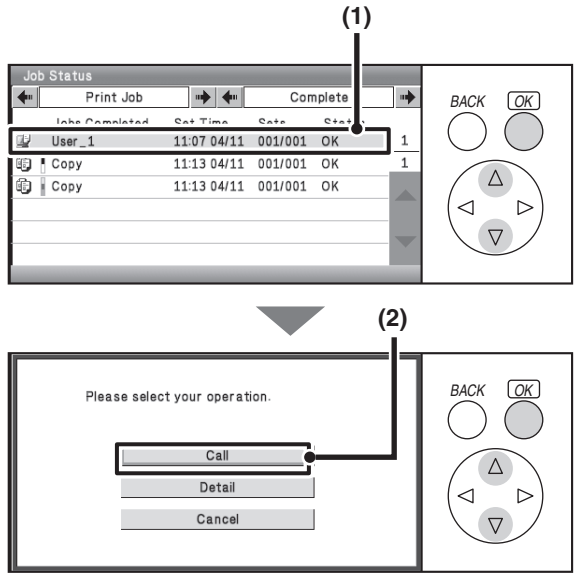
(1) Change the job status mode to [Print Job].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Change the print job status mode to [Complete].

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

3



Select the desired file in the completed jobs.

(1) Select the key of the desired file.

(2) Select the [Call] key.

The job settings screen appears.
Select and perform the desired operation.

☞ PRINTING A STORED FILE (page 3-56)
☞ DELETING A STORED FILE (page 3-63)

To view information on a file, select the file and then select the [Detail] key.

APPENDIX

PRINTER DRIVER SPECIFICATION LIST

Function			PCL6	PCL5c	PS	Windows PPD*1	Macintosh PPD*1
Frequently used functions	Copies		1-999	1-999	1-999	1-999	1-999
	Orientation		Yes	Yes	Yes	Yes	Yes
	N-Up	Number of pages	2,4,6,8,9,16	2,4,6,8,9,16	2,4,6,8,9,16	2,4,6,9,16*2,3	2,4,6,9,16
		Order	Selectable	Selectable	Selectable	Selectable	Selectable
		Border	On/Off	On/Off	On/Off	Yes	Selectable
	2-Sided Print		Yes	Yes	Yes	Yes	Yes
	Fit To Page		Yes	Yes	Yes	No	Yes*4
	Binding Edge		Selectable	Selectable	Selectable	No	Yes
	Black and White Print		Yes	Yes	Yes	Yes	Yes
	Staple*5		Yes	Yes	Yes	Yes	Yes
Paper	Paper Size		Yes	Yes	Yes	Yes	Yes
	Custom Paper		8 size	8 size	8 size	Yes*2	Yes
	Paper Selection		Yes	Yes	Yes	Yes	Yes
	Output tray		Yes	Yes	Yes	Yes	Yes
Convenient printer functions	Pamphlet		Yes	Yes	Yes	Yes	Yes
	Margin Shift		0 mm to 30 mm	0 mm to 30 mm	0 mm to 30 mm	Yes	Yes
	Poster Printing		Yes	No	Yes	No	No
	Rotate 180 degrees		Yes	Yes	Yes	Yes	Yes
	Zoom/XY-Zoom		Yes*6	Yes*6	Yes	Yes*6	Yes*6
	Line Width Settings		Yes	No	No	No	No
	Mirror Image		No	No	Yes	Yes	Yes*7
Special functions	Different Paper		Yes	Yes	Yes	No	Yes*8,9
	Transparency Inserts		Yes	Yes	Yes	No	Yes
	Carbon Copy		Yes	Yes	Yes	No	No
	Chapter Inserts		Yes	No	No	No	No
	Retention		Yes	Yes	Yes	No	Yes
Colour mode adjusting function	Colour Adjustment		Yes	Yes	Yes	No	Yes*10,11,12
	Text To Black/ Vector To Black		Yes	Yes	Yes	No	No
	Advanced Colour		Yes	Yes	Yes	Yes	Yes

Contents

Function		PCL6	PCL5c	PS	Windows PPD*1	Macintosh PPD*1
Functions to combine text and images	Watermark	Yes	Yes	Yes	Yes	Yes
	Image Stamp	Yes	No	Yes	No	No
	Overlay	Yes	Yes	Yes	No	No
Image Quality	Print Mode	Normal/ High Quality/ Fine	Normal/ High Quality	Normal/ High Quality/ Fine	Normal/ High Quality/ Fine	Normal/ High Quality/ Fine
	Graphics Mode Selection	Yes	Yes	No	No	No
	Toner Save*13	Yes	Yes	Yes	Yes	Yes
Font	Resident font	80 fonts	80 fonts	136 fonts	136 fonts*14	35 fonts
	Selectable download font	bitmap, TrueType, Graphics	bitmap, TrueType, Graphics	bitmap, TrueType, Type1	bitmap, TrueType, Type1	No*15
Other functions	Auto Configuration	Yes	Yes	Yes	No	Yes*11
	User Authentication	Yes	Yes	Yes	No	Yes

*1 The specifications of each function in Windows PPD and Macintosh PPD vary depending on the operating system version and the software application.
*2 Cannot be used in Windows NT 4.0.
*3 Only 2-Up and 4-Up printing can be used in Windows 98.
*4 Only Mac OS X v10.4.11 and v10.5 to 10.5.1 can be used.
*5 Can be used when a finisher is installed.
*6 The horizontal and vertical proportion cannot be set separately.
*7 Only Mac OS 9.0 to 9.2.2 can be used.
*8 Only covers can be inserted.
*9 Cannot be used in Mac OS X v10.2.8 or v10.3.9.
*10 Cannot be used in Mac OS 9.0 to 9.2.2.
*11 Cannot be used in Mac OS X v10.2.8.
*12 Cannot be used in Mac OS X v10.5 to 10.5.1.
*13 This setting may not operate in some software applications and operating systems.
*14 The number of available resident fonts is 35 in Windows NT 4.0.
*15 True Type and Type1 can be selected in some versions of LaserWriter.

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CHAPTER 4 FACSIMILE

This chapter provides detailed explanations of the procedures for using the fax function.
For the procedures for using the display, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".

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GIVING PRIORITY TO A RESERVED FAX JOB. 4-128

CHECKING THE ACTIVITY LOG (Image Sending Activity Report) 4-129
- IMAGE SENDING ACTIVITY REPORT 4-129
- INFORMATION APPEARING IN THE RESULT COLUMN. 4-130

BEFORE USING THE MACHINE AS A FAX

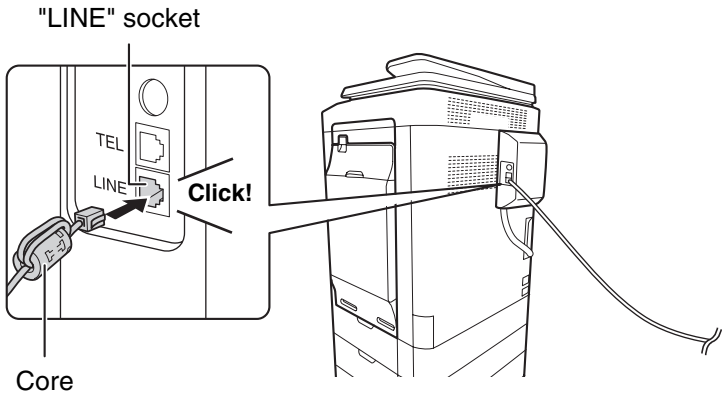
This section provides information that you should know before using the machine as a fax machine.

PREPARATIONS FOR FAX

To use the machine as a fax, the telephone line must be connected and the type of line set.

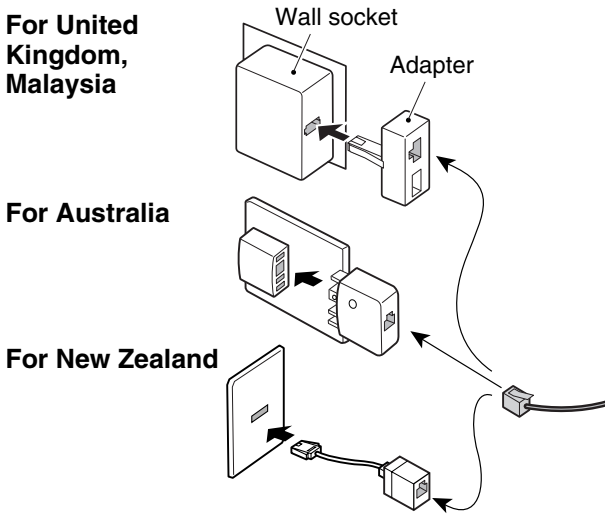
CONNECTION TO THE TELEPHONE LINE

Be sure to use the provided telephone line cord to connect the machine to the wall telephone socket. Connect the end of the line cord that has the core to the "LINE" socket on the machine. Insert the other end (the end without the core) into a telephone line socket.



Insert the end of the cord with the core into the "LINE" socket.

In some countries, an adapter is required to connect the telephone line cable to the wall telephone socket, as shown in the illustration.



Contents

SETTING THE TELEPHONE LINE TYPE

The machine's dial mode setting must be set to the type of telephone line you are using.
If the setting is not correct, dialling will not be possible.
Select the [Auto Select] key in "Dial Mode Setting" in the system settings (administrator). The machine will automatically set the dial mode to the type of line you are using.

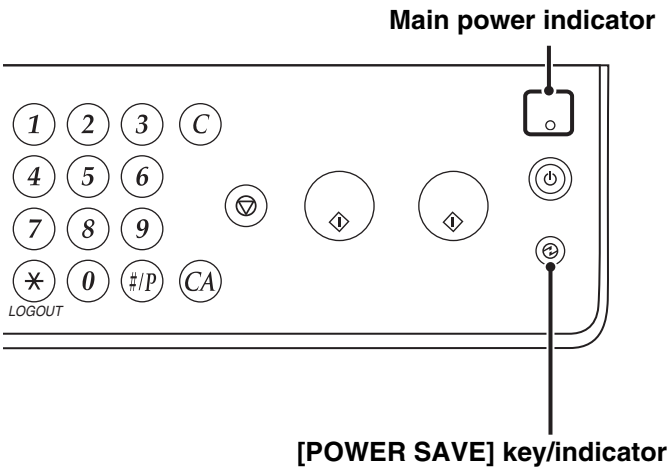
You can also set the "Dial Mode Setting" manually.

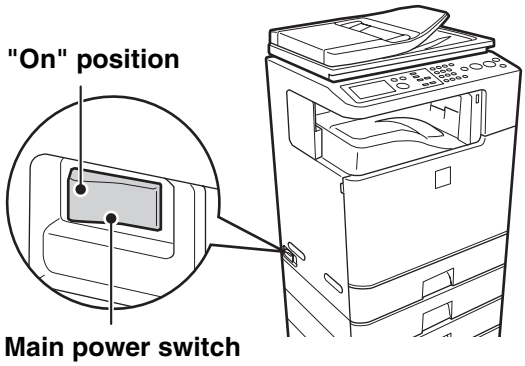
- This Setting can only be activated in Canada.
- After setting the dial mode, do not change the setting unless you have a specific reason for changing it.

MAKE SURE THE MAIN POWER SWITCH IS IN THE "ON" POSITION

When the main power indicator on the operation panel is lit, the main power is on.
If the main power indicator light is not lit, the main power is "off". Switch the main power switch to the "on" position and press the [POWER] key ( ) on the operation panel.
If the fax function will be used, and in particular if reception or timer transmission will take place at night, always keep the main power switch in the "on" position.

When the [POWER SAVE] key ( ) indicator light is blinking, the machine is in auto power shut-off mode. If the [POWER SAVE] key ( ) is pressed when the indicator is blinking, the indicator will turn off and the machine will return to the ready state after a brief interval.





Contents

CHECKING THE DATE AND TIME

Verify that the correct date and time are set in the machine.
The date and time are set in the system settings of the machine. When the [SYSTEM SETTINGS] key is pressed, the system settings menu screen appears on the display. Select [Default Settings], [Clock], and [Clock Adjust], and set the year, month, day, hour, and minute.

If "Disabling of Clock Adjustment" (Web page only)has been enabled in the system settings (administrator), the date and time cannot be set.

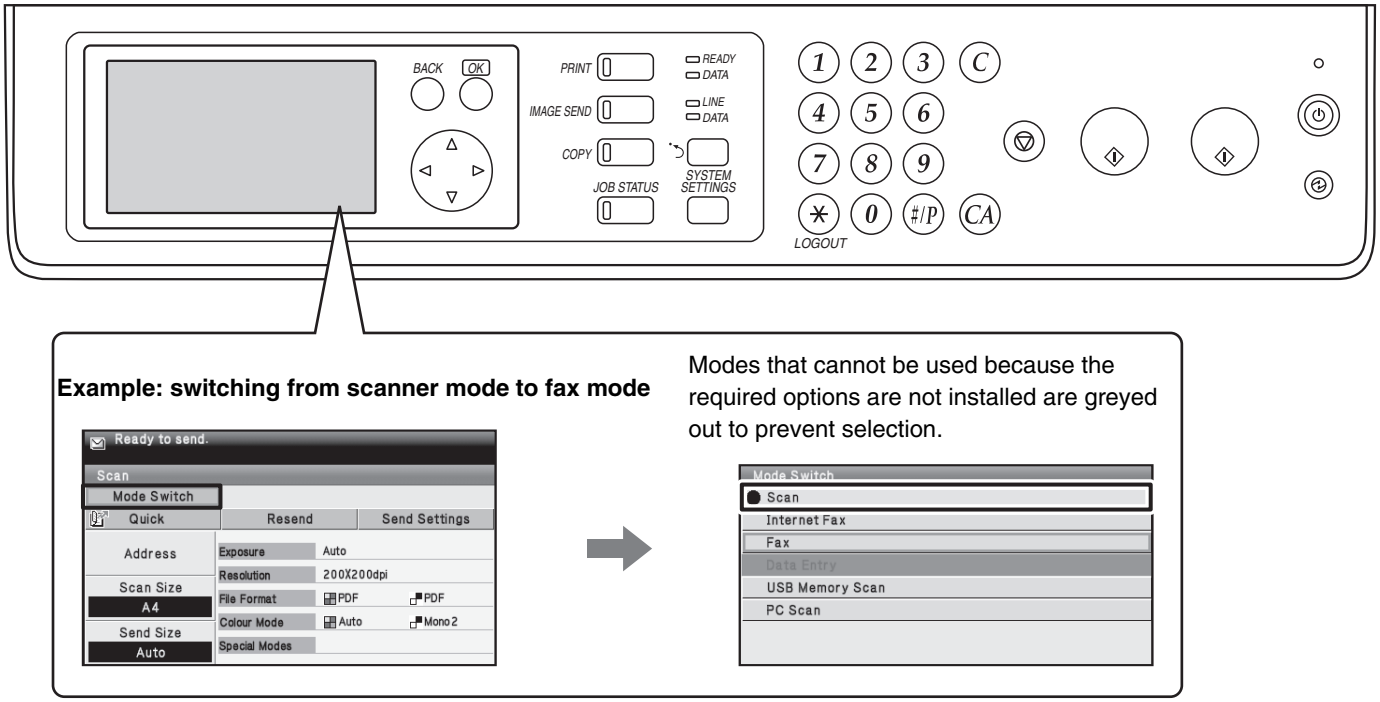
STORING THE SENDER FAX NUMBER

Store the user name and fax number in "Sender Data Registration".
Be sure to configure this information, as it is required for communication.

System Settings (Administrator): Sender Data Registration
Use this setting to program the sender name and sender fax number.

BASE SCREEN OF FAX MODE

The fax function is used by selecting settings and operations in the base screen of fax mode. To display the base screen of a mode, press the [IMAGE SEND] key and select the desired mode in [Mode Switch].

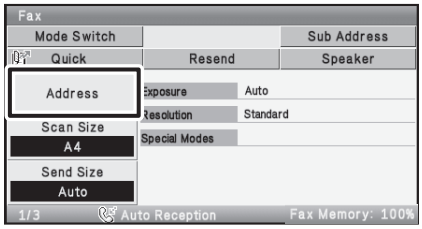


Each of the other modes that can be displayed by pressing the [IMAGE SEND] key (scan, Internet fax, USB memory, PC scan and data entry modes) also have base screens.

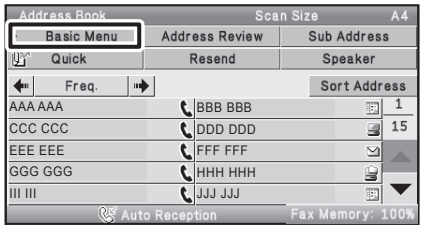
Transmission destinations can be stored in one-touch keys in the address book and retrieved from the address book screen when you need to use them. The address book is shared by fax mode, scan mode, Internet fax mode and data entry mode.

To switch to the Address Book screen from the base screen, select the [Address] key and then the [Address Book] key and press the [OK] key. To switch to the base screen from the Address Book screen, select the [Basic Menu] key and press the [OK] key. This chapter refers to the base screen of fax mode as the "base screen".

Base screen of fax mode



Address book screen



The procedures in this chapter begin from the base screen of fax mode.

System Settings (Administrator): Default Display Settings

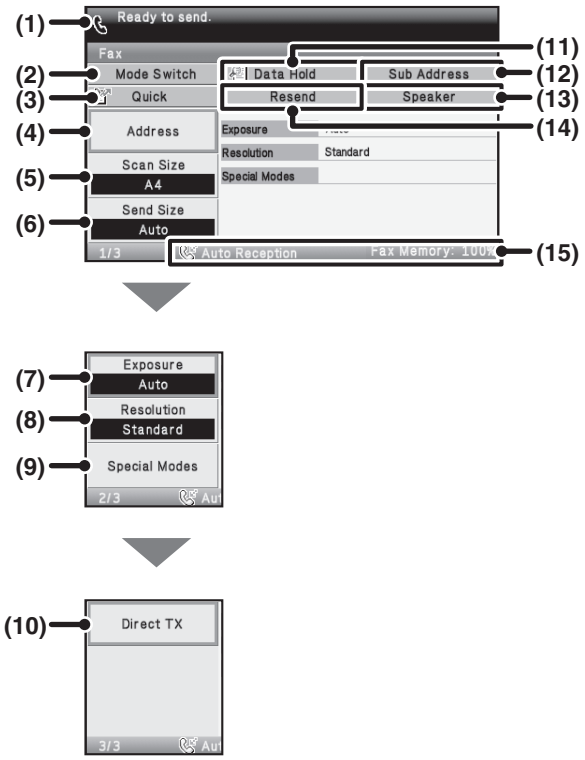
One of the following screens can be selected for the initial screen that appears when the [IMAGE SEND] key is pressed.

- Base screen of each mode (scan, Internet fax, fax, or data entry mode)
- Address book screen

Contents

BASE SCREEN OF FAX MODE

This screen is used to select settings and operations in fax mode.



(1) This shows various messages and the destinations that have been entered.

The icon on the left indicates fax mode.

(2) [Mode Switch] key

Use these keys to change the mode of the image send function.

Modes that cannot be used because the appropriate options are not installed do not appear.

☞ BASE SCREEN OF FAX MODE (page 4-7)

(3) [Quick] key

Select this key to dial a fax destination using a search number.

☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 4-24)

(4) [Address] key

Select this key to dial using a one-touch key or group key.

☞ RETRIEVING A FAX NUMBER FROM THE ADDRESS BOOK (page 4-21)

(5) [Scan Size] key

Image settings (original size, duplex setup, image orientation) can be selected.

☞ IMAGE SETTINGS (page 4-48)

(6) [Send Size] key

Select this key to specify the send size of the original.

☞ Specifying the send size of the original (page 4-55)

(7) [Exposure] key

Select this key to select the exposure for scanning.

☞ CHANGING THE EXPOSURE (page 4-57)

(8) [Resolution] key

Select this key to select the scanning resolution.

☞ CHANGING THE RESOLUTION (page 4-58)

(9) [Special Modes] key

Select this key to use a special mode.

☞ SPECIAL MODES (page 4-70)

(10) [Direct TX] key

Select this key to send a fax by direct transmission.

☞ To fax a large number of sheet originals, use the automatic document feeder. (page 4-29)
☞ If you wish to send a fax ahead of other previously reserved fax transmissions, use direct transmission mode. (page 4-30)

(11) [Data Hold] key

When "Hold Setting for Received Data Print" or "Received Data Image Check Setting" (Web page only) is enabled in the system settings (administrator), this will appear when a fax is received.

: Only "Hold Setting for Received Data Print" is enabled
: Only "Received Data Image Check Setting" is enabled
: Both settings are enabled

☞ PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print) (page 4-62)

(12) [Sub Address] key

Select this key to enter a sub-address and passcode for F-code transmission.

☞ F-CODE DIALLING (page 4-102)

(13) [Speaker] key / [Pause] key / [Space] key

Select this key to dial using the speaker.
When entering a fax number to be dialled, the key changes to the [Pause] key. When entering a sub-address, the key changes to the [Space] key.

☞ TRANSMISSION USING THE SPEAKER (page 4-40)

(14) [Resend] key / [Next Address] key

Select this key to redial a fax number. When entering a fax number to be dialled, this key changes to the [Next Address] key.

☞ USING THE RESEND FUNCTION (page 4-27)
☞ CHECKING THE IMAGE BEFORE PRINTING (page 4-63)

(15) This shows the currently selected fax reception mode and the amount of free memory remaining.

☞ RECEIVING FAXES (page 4-59)

Customizing displayed keys

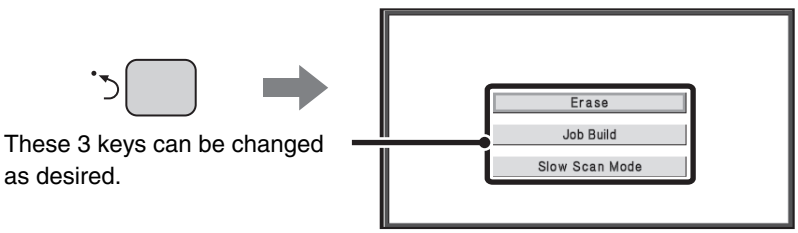
Keys for special modes and other settings can be stored as shortcut keys. You can assign frequently used functions to these keys to access the functions with a single touch. To change the function that is assigned to a key, use "Customize Key Setting" in the Web pages. The following keys appear by factory default:

- **[Program] key, [Global Address] key**
  Select to use the Program function or a Global Address book.

☞ STORING FAX OPERATIONS (Program) (page 4-72)
☞ RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK (page 4-25)

- **[Address Review] key**
  Select this to view a list of the destinations that have been selected in the address book and the numbers that have been directly entered with the numeric keys. This is the same key as the [Address Review] key in the address book screen.

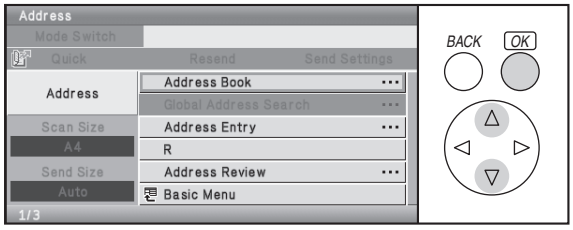
Example: When "Erase", "Job Build", and "Slow Scan Mode" are assigned to the customized keys.



System Settings (Administrator): Customize Key Setting (Web page only)
Registration is performed in [System Settings] - [Operation Settings] - "Customize Key Setting" in the Web page menu.

[R] key

When the machine is connected to a PBX, the "PBX Setting" can be enabled to automatically connect to the outside line each time you dial normally. When the PBX setting is enabled, the [R] key appears in the address screen. To dial a number inside your PBX, select the [R] key before dialling to temporarily cancel the "PBX Setting".



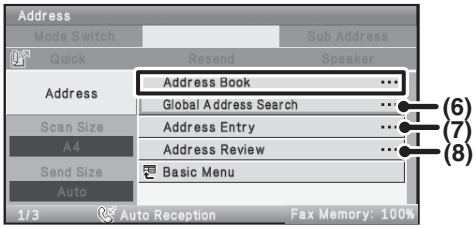
- This Setting can only be activated in Germany.
- The [R] key can be included in a fax number stored in an one-touch key.
- When the [Speaker] key is selected, the "PBX Setting" is temporarily cancelled and the [R] key does not appear.
- When the [R] key is selected before dialling, an F-code (sub-address and passcode) cannot be used. Likewise, an one-touch key in which an F-code (sub-address and passcode) is stored cannot be used.

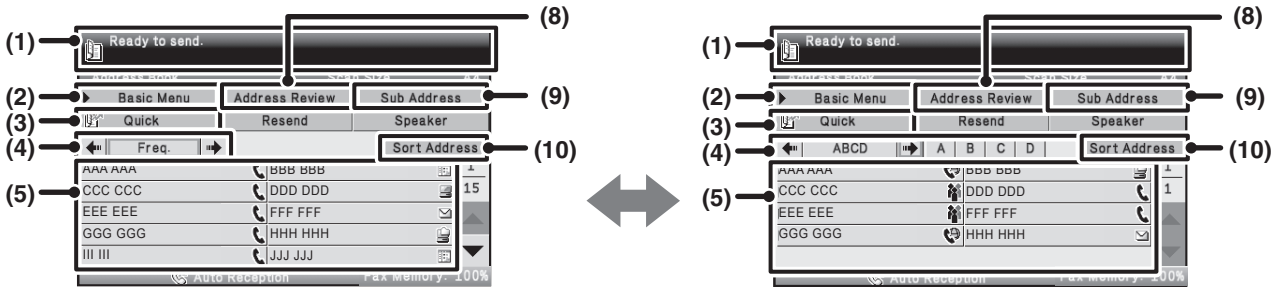
System Settings (Administrator): PBX Setting
This is used to enable PBX Setting.

Contents

ADDRESS BOOK SCREEN

This screen is used to select a destination from the list of stored destinations.





(1) This shows the destination that has been selected.

(2) [Basic Menu] key

Select this key to select transmission settings and operations. When the key is selected, the base screen appears.

☞ BASE SCREEN OF FAX MODE (page 4-8)

(3) [Quick] key

Select this key to retrieve a destination using a search number.

☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 4-24)

(4) Index tabs

Select this to change indexes.

☞ RETRIEVING A STORED DESTINATION (page 4-22)

(5) One-touch key display

This shows the one-touch keys of the destinations that have been stored in the address book. Keys in which destinations and groups are stored are called one-touch keys. Keys that have fax numbers stored are indicated by .

☞ RETRIEVING A STORED DESTINATION (page 4-22)

(6) [Global Address Search] key

When the use of a LDAP server has been enabled in the machine's Web page, a fax number can be obtained from a global address book.

☞ RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK (page 4-25)

(7) [Address Entry] key

Not used in fax mode.

(8) [Address Review] key

Select this key to view a list of the destinations that have been selected or to enter a selected destination (one-touch key).

Destination selections can also be changed.

☞ CHECKING AND DELETING ENTERED DESTINATIONS (page 4-23)

(9) [Sub Address] key

Select this key to enter a sub-address and passcode for F-code transmission.

☞ F-CODE DIALLING (page 4-102)

(10) [Sort Address] key

Select this to change the index tabs to custom indexes, to display one-touch keys by send mode, or to change the number of displayed items.

☞ CHANGING THE DISPLAY OF ONE-TOUCH KEYS IN THE ADDRESS BOOK SCREEN (page 4-12)

- When using the network scanner function or the Internet fax function, a different icon will appear in the one-touch key display if a non-fax destination (address) is stored.
☞ RETRIEVING A FAX NUMBER FROM THE ADDRESS BOOK (page 4-21)
- **ADDRESS BOOK (page 4-14)**
Store in [Address Book] in the Web page menu.

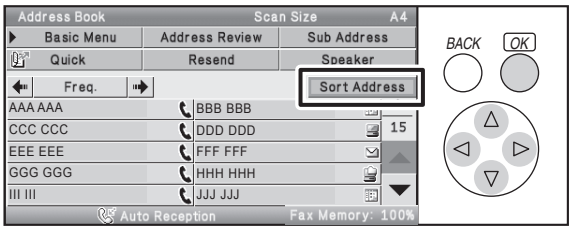
- **System Settings (Administrator): The Number of Direct Address Keys Displayed Setting**
This is used to change the default setting for the number of one-touch keys displayed in the address book screen.
- **System Settings (Administrator): Default Display Settings**
One of the following screens can be selected for the initial screen that appears when the [IMAGE SEND] key is selected.
  - Base screen of each mode (scan, Internet fax, fax, or data entry mode)
  - Address book screen
- **System Settings (Administrator): Address Book Default Selection**
The following settings are available for the method of sorting the addresses that appear in the address book.
  - Index type (alphabetical, custom)
  - Address type (all, group, E-mail, FTP/Desktop, Network Folder, Internet fax, fax)

CHANGING THE DISPLAY OF ONE-TOUCH KEYS IN THE ADDRESS BOOK SCREEN

You can show only destinations of a specific transmission mode in the address book screen, or change the displayed index tabs from the alphabetical tabs to the custom tabs. The procedure for selecting destinations does not change.

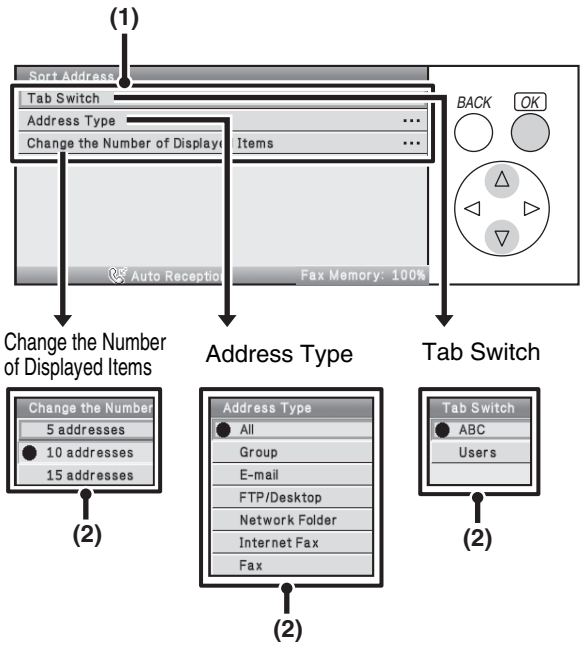
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Sort Address] key.

2



Change the display mode.

(1) Select the key of the mode or tab that you wish to display.

- To change the index tabs, select the [Tab Switch] key.
- To show only the one-touch keys of a particular send mode, select the desired mode key under "Address Type".
- To change the number of destinations (one-touch keys) displayed at once in the address book screen, select the [Change the Number of Displayed Items] key and then select 5, 10, or 15 destinations.

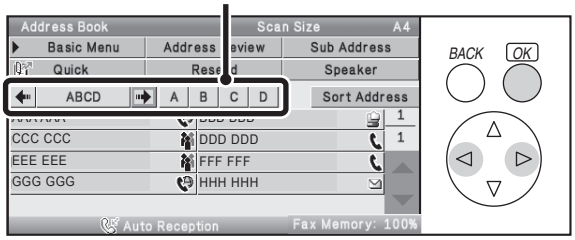
(2) Select the display method and press the [OK] key.

Contents

Index display

Indexes make it easy to search for a destination (one-touch key). The destinations are displayed separately using alphabetical search characters and index numbers. To display a stored destination, select the appropriate index tab. It is convenient to store frequently used destinations in the [Freq.] index. Specify that a destination be displayed in the [Freq.] index when you store the destination.

Index tabs



For example, when keys from "A" to "D" appear, you can select the [B] key to show only destinations starting with the letter "B". To cancel, select the key again. Note that the search letter range cannot be narrowed on the [Freq.] tab, the [etc.] tab, or on a user index tab.
The destinations can also be displayed in alphabetical order by initial.
Each time the displayed index tab is selected, the display order changes in the following order: search numbers (page 4-24), ascending names, descending names. When the display order is changed, the display order of the other index tabs also changes.

Ordered by search number (default) **Ascending names** **Descending names**



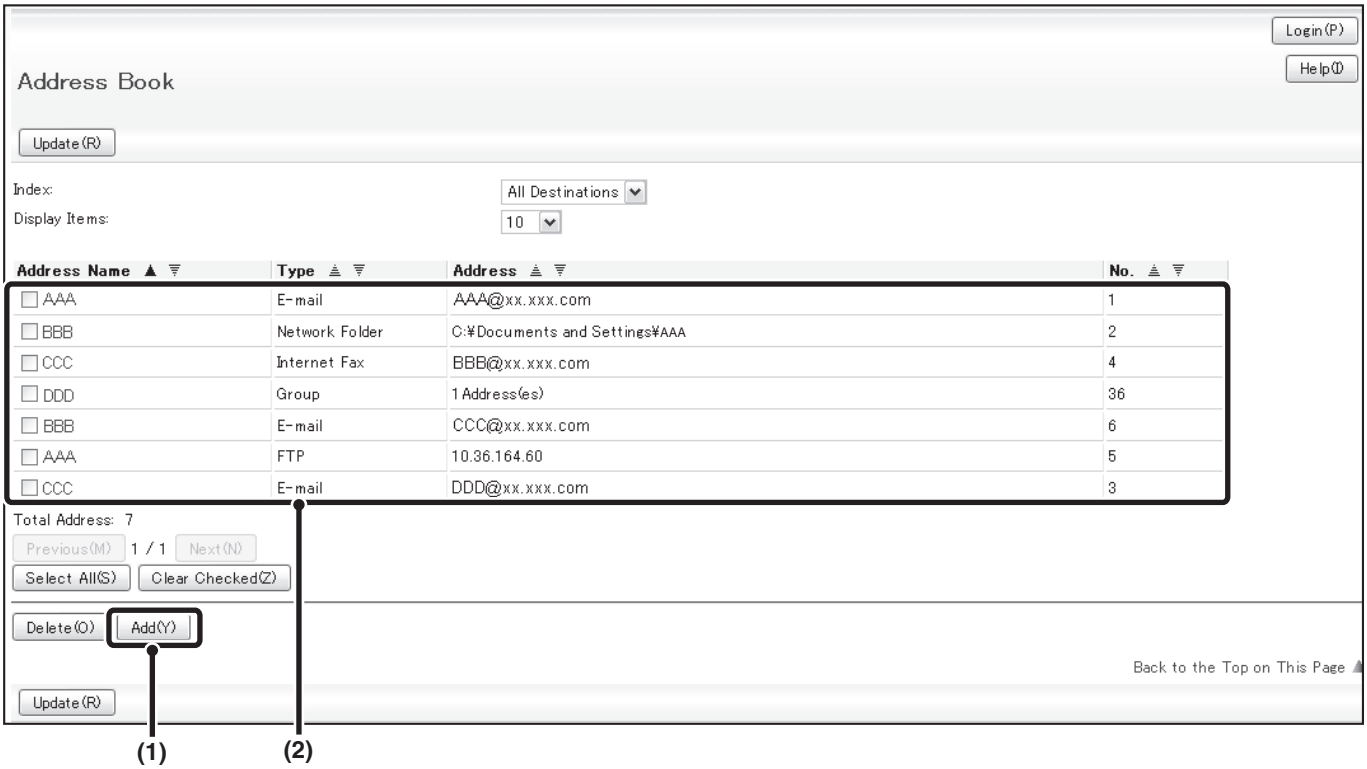
Index names can be changed using "Custom Index" in the Web page menu, allowing you to create groups of one-touch keys that can be easily recognized.

System Settings: Custom Index (page 4-16)
This setting is used to store custom index names. The custom index where a one-touch key appears is specified when the transmission destination is stored in the key. Store in [Address Book] > [Custom Index] in the Web page menu.

Contents

ADDRESS BOOK

Address Book is used to configure settings for storing addresses in the Web page.
Storing addresses in the address book makes it easy to specify an address for transmission.
When the [Address Book] key is selected, the following screen appears.



(1) [Add] key

Use this to add a new address.

(2) List display

This displays a list of the currently stored addresses. An address can be selected to open an edit/delete screen for the address.

Storing addresses

Select the [Add] key in the above screen to open a registration screen. Up to 999 addresses can be stored.
For information on the settings, see "Settings" (page 4-15).

Editing and deleting addresses

An address can be selected from the list in the above screen to open an edit screen for the address.
To open a delete screen, select the checkbox ☑ next to the address and then select [Delete].
For information on the settings, see "Settings" (page 4-15).

- **If you cannot edit or delete a one-touch individual or group key...**
  Individual keys and group keys cannot be edited or deleted in the following situations:
  - The key is used in a reserved transmission or a transmission in progress.
  - The key is included in a group key.
  - The key is included in a program.
  - The key is specified as an end receiving machine in an F-code relay broadcast transmission.

  If the key is used in a reserved transmission or a transmission that is in progress, cancel the transmission or wait until it is completed and then edit or delete the key.
  If the key is included in a group, first delete the key from the group and then edit or delete the key.
  If the key is specified as a forwarding destination, cancel the forwarding destination setting and then edit or delete the key.
  If "Disable Registering Destination on Web Page" has been enabled, clear this function and then edit or delete the key.

Settings

Item	Description
General items stored	
Address Type	Select the type of address to be stored in the address book. In this case, select [Fax].
Search Number	Set a search number. The lowest available number is automatically entered. To change the number, enter a number from 001 to 999. A search number that has already been stored cannot be used.
Address Name	Enter a maximum of 36 characters for the address name.
Initial	Enter up to 10 characters for the initials. The initials you enter here determine the position of the one-touch key in the alphabetical index.
Key Name	Enter the name that you wish to appear in the address book (this is different from the address name).
Custom Index	Select the custom index in which the address will appear.
Register this Address to be added to the [Frequent Use] index.	Frequently used addresses can be stored in the [Frequent Use] index.
Fax Number	Enter the fax number of the destination (maximum of 64 digits). **To cancel the PBX settings* temporarily when sending a fax...** Select the [R] key before entering a fax number. * This function is not available in some countries and regions. **Entering a pause between digits of the number** Select the [-] key at the place where you wish to enter a pause. **To enter an F-code (sub-address and passcode)...** (1) Enter the destination fax number. (2) Select the [/] key. (3) Enter the sub address (maximum of 20 digits). (4) Select the [/] key. (5) Enter the passcode (maximum of 20 digits). A passcode is not necessary if the destination machine does not use a passcode. The destination fax number can be a maximum of 64 digits including all numbers and characters.

Contents

Item	Description
Transmission Mode	Set the transmission speed and the International Correspondence Mode. Selecting appropriate settings for these items may help eliminate communication errors. **Transmission Speed** 33.6 kbps, 14.4 kbps, 9.6 kbps or 4.8 kbps can be selected for the transmission speed. Higher numbers are higher transmission speeds. Set the transmission speed only when you know what speed is most suitable, such as when you are sending a fax to a foreign country and telephone line conditions are bad. If you do not know the line conditions, do not change this setting. **Transmission Mode** No Sound, Mode1, Mode2, or Mode3 can be selected for the International Correspondence Mode. When sending a fax to a foreign country, telephone line conditions can sometimes distort the fax or interrupt the transmission. If errors frequently occur when sending a fax to a foreign country, try each of modes 1 to 3 and select the mode that enables the best transmission.

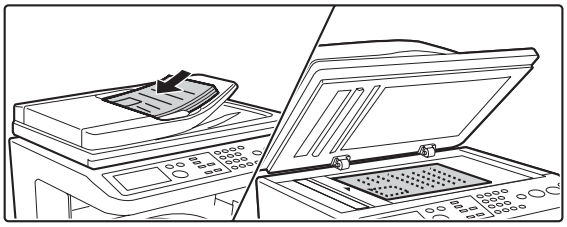
Custom Index

The name of a custom index can be changed for greater ease of use.
Delete the previously entered name and enter a new name (maximum of 6 characters).
The factory default names for the custom indexes are "User 1" to "User 6".

FAX TRANSMISSION SEQUENCE

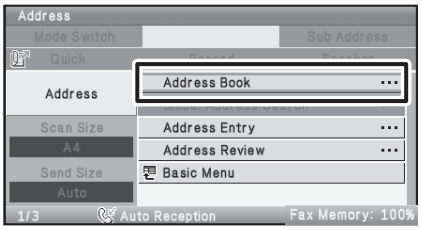
This section explains the basic procedure for sending a fax.

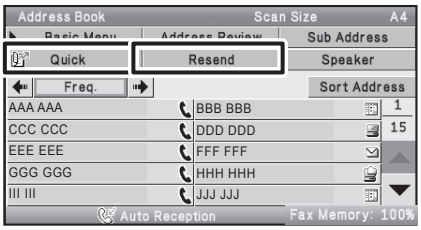
Place the original



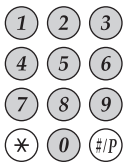
Place the original in the document feeder tray of the automatic document feeder, or on the document glass.

Enter the destination fax number



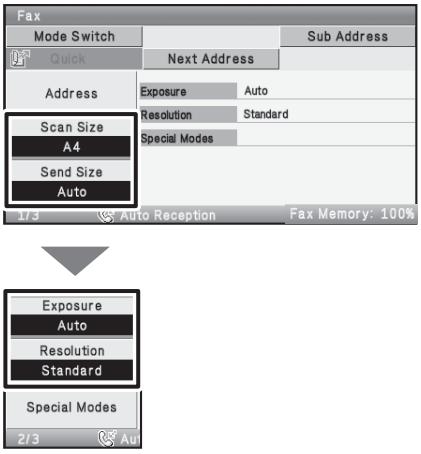


or



- [Address Book] key: Select a destination that is stored in the address book or look up a destination in a global address book.
  ☞ RETRIEVING A FAX NUMBER FROM THE ADDRESS BOOK (page 4-21)
- [Quick] key: Use a search number to specify a destination stored in the address book.
  ☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 4-24)
- [Resend] key: Select a fax number from the last eight destinations used for transmission.
  ☞ USING THE RESEND FUNCTION (page 4-27)
- Numeric keys: Enter a fax number.
  ☞ ENTERING A FAX NUMBER WITH THE NUMERIC KEYS (page 4-20)

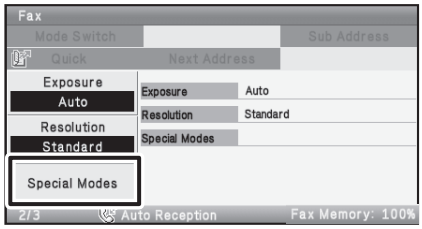
Select image settings



Select settings for the original to be faxed.

- [Scan Size] key: Use this key to select the original size, and 2-sided original scanning.
  ☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51), AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original) (page 4-49)
- [Send Size] key: Use this key to select the send size of the original.
  ☞ Specifying the send size of the original (page 4-55)
- [Exposure] key: Use this key to adjust the exposure of the image.
  ☞ CHANGING THE EXPOSURE (page 4-57)
- [Resolution] key: Use this key to adjust the resolution of the image.
  ☞ CHANGING THE RESOLUTION (page 4-58)

Special mode settings



Select the [Special Modes] key to select special modes such as timer transmission and the erase function.

Contents

Begin transmission

Scan the original and send the fax.

If the original is placed on the document glass, follow these steps to start scanning and transmission:

When sending a fax normally (memory transmission)

(1) Press the [BLACK & WHITE START] key.
(2) When scanning is finished, replace the original with the next original.
(3) Press the [BLACK & WHITE START] key.
(4) Repeat steps (2) and (3) until all originals have been scanned.
(5) Select the [Read-End] key and press the [OK] key.

When sending a fax in direct transmission mode

Multiple originals cannot be scanned in direct transmission mode.
Press the [BLACK & WHITE START] key to start transmission.

When transmission ends, image settings and convenient special mode settings are cleared.

To cancel scanning...
Press the [STOP] key ( ).

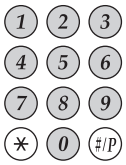
System Settings (Administrator): Default Display Settings
The settings can be kept in effect a fixed period of time after scanning is completed.

Contents

ENTERING DESTINATIONS

This section explains how to enter destination fax numbers.
Destination fax numbers can be entered using the numeric keys, or by retrieving a previously stored fax number using the address book or a search number.

ENTERING A FAX NUMBER WITH THE NUMERIC KEYS



Enter the destination fax number with the numeric keys.

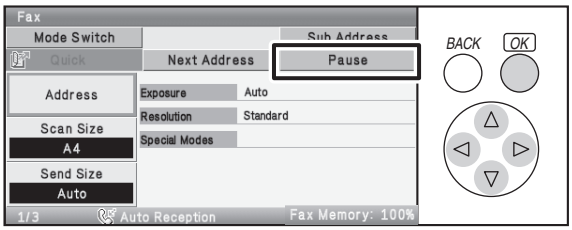
Take care to enter the correct number.

If an incorrect number is entered...
Press the [CLEAR] key (C) to clear the number and then enter the correct number.

Entering a pause between digits of the number

Enter a pause after the number used to dial out from a PBX (for example, after "0"), or after the country code when dialling an international number.

Keys in the display can be selected with the arrow keys and the [OK] key.



Select the [Pause] key.

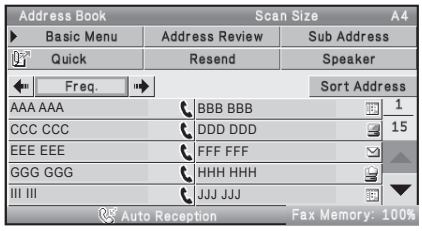
Select the [Pause] key and press the [OK] key once. A hyphen (-) will be entered.

System Settings (Administrator): Pause Time Setting
This is used to set the length of pauses. The default setting is 2 seconds.

Contents

RETRIEVING A FAX NUMBER FROM THE ADDRESS BOOK

The address book screen shows stored destinations as one-touch keys.
A destination fax number is retrieved by simply selecting the one-touch key of that destination. This is called "one-touch dialling". It is also possible to store multiple fax numbers in a one-touch key, allowing you to retrieve all the numbers by simply selecting the key. This is called "group dialling". This dialling method is convenient when you wish to send a fax to (or poll) multiple fax destinations.



When destinations of other scan modes are stored in addition to fax destinations, an icon indicating the mode appears together with the name of the destination in each one-touch key.

Icon	Mode
	Fax
	Scan to E-mail
	Internet fax (Direct SMTP)
	Scan to FTP
	Scan to Network Folder
	Scan to Desktop
	Group key with multiple destinations

ADDRESS BOOK (page 4-14)
This is used to store destinations (names and fax numbers) in the address book.
Store in [Address Book] in the Web page menu.

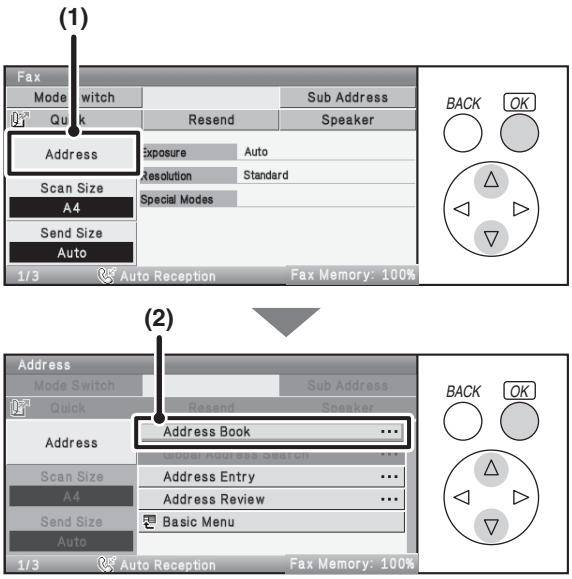
Contents

RETRIEVING A STORED DESTINATION

A destination fax number is retrieved by simply selecting the one-touch key of that destination.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

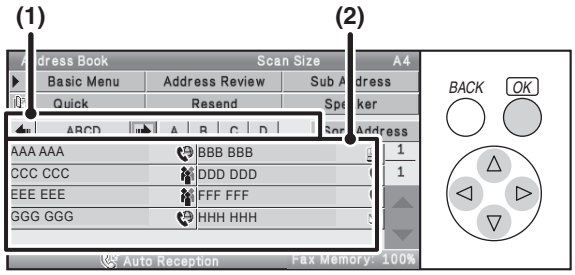


Display the address book screen.

(1) Select the [Address] key.

(2) Select the [Address Book] key.

2



Select the destination.

(1) Select the index tab where the destination is stored.

☞ Index display (page 4-13)

(2) Select the one-touch key of the desired destination.

If you select an incorrect destination, press the [OK] key again to cancel the selection.

- Frequently used destinations can be displayed in the [Freq.] index. Specify that a destination be displayed in the [Freq.] index when you store the destination.
- **To continue specifying other destinations...**
  Select the [Next Address] key and press the [OK] key, and then repeat (1) and (2) of this step.

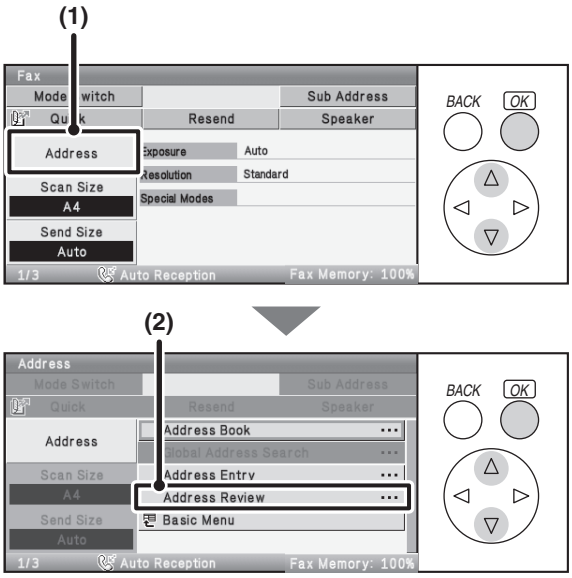
- **System Settings (Administrator): Must Input Next Address Key at Broadcast Setting**
  This setting determines whether or not the [Next Address] key can be omitted before specifying the next destination.
  Factory default setting: The [Next Address] key can be omitted.
- **System Settings (Administrator): Disable Switching of Display Order**
  This is used to disable switching of the order of display of the one-touch keys in the address book screen. The currently selected display order will be the order that is used after this setting is enabled.

CHECKING AND DELETING ENTERED DESTINATIONS

When multiple destinations have been entered, you can display and check the destinations. You can also delete a destination (cancel selection of the destination).

Keys in the display can be selected with the arrow keys and the [OK] key.

1

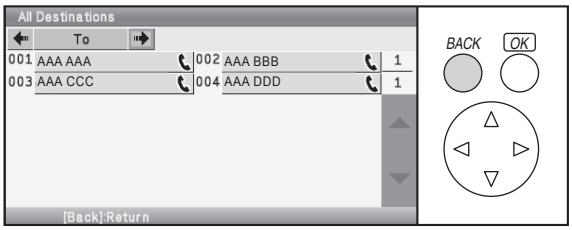


Display the address review screen.

(1) Select the [Address] key.

(2) Select the [Address Review] key.

2

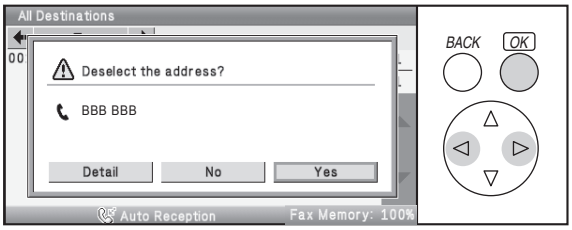


Check the destinations and then press the [BACK] key.

Cc destinations are not used in fax mode.

To delete a destination...

Select the one-touch key of the destination that you wish to delete. A confirmation prompt will appear. Select the [Yes] key and press the [OK] key. To check the type and name of the specified recipient, select the [Detail] key and press the [OK] key.



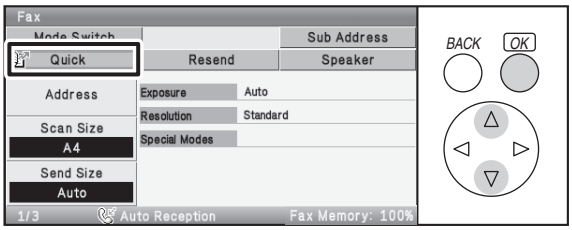
Contents

USING A SEARCH NUMBER TO RETRIEVE A DESTINATION

A destination stored in the address book can be retrieved using the [Quick] key. This can be done in the base screen of any of the modes or in the address book screen.

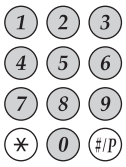
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Quick] key.

2



Enter the 3-digit search number of the address with the numeric keys.

When the 3-digit search number is entered, the stored address is retrieved and specified as a destination.

- The search number is programmed when the destination is stored in the address book.
- If you do not know the search number, print the one-touch address list using "Sending Address List" in the system settings.
- When entering search numbers such as "001" and "011", "0" can be omitted. For example, to enter "001", enter "1", select the [Quick] key or the [Next Address] key, and press the [OK] key.

If an incorrect search number is entered...

Press the [CLEAR] key (C) to clear the number and enter the correct number.

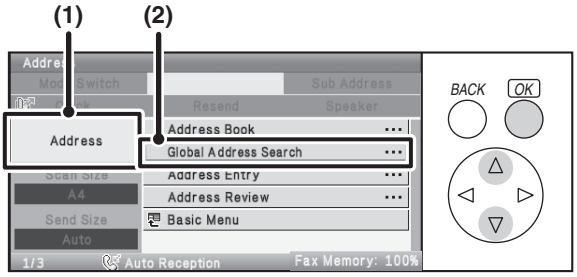
Contents

RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK

If a LDAP server is stored in the Web pages, you can look up a destination fax number in a global address book.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

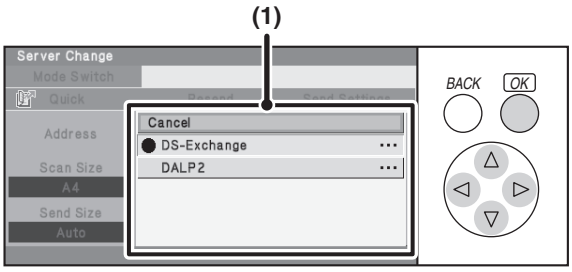


Open the global address search screen.

(1) Select the [Address] key in the base screen.

(2) Select the [Global Address Search] key.

2



Search for the destination.

If only one LDAP server has been stored, (1) and (2) are not necessary. Go directly to (3). If an authentication screen for the LDAP server appears, enter your user name and password.

(1) Select the key of the LDAP server that you wish to use.

If an authentication screen for the LDAP server appears, enter your user name and password.

(2) Search for the destination in the search screen.

Enter search characters for the recipient. Select the [Search] key and press the [OK] key. The search results will appear after a brief interval.
For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

How to search

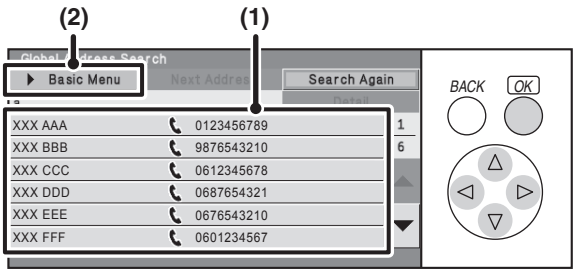
Enter a maximum of 64 characters for the search characters. The system will look for names starting with the entered letters.

An asterisk ✳ can be used as follows:

XXX✳: Names beginning with "XXX".
✳XXX: Names that end with "XXX".
✳XXX✳: Names that include "XXX".
AA✳XX: Names that start with "AA" and end with "XX".

Contents

3



Select the destination.

(1) Select the key of the desired destination.

(2) Select the [Basic Menu] key.

This enters the selected destination.
If you wish to enter another recipient, select the [Next Address] key and then repeat (1) and (2) of this step.
If no names are found that match the search letters, a message will appear. Press the [OK] key to close the message. To search again, select the [Search Again] key and press the [OK] key.

- If 30 or more matches are found, a message will appear in the screen. Press the [OK] key to close the message. A maximum of 300 search results are displayed. If no names are found that match the search letters, select the [Search Again] key and press the [OK] key to search again using additional search letters.
- **To check the information stored in a destination...**
  After selecting the recipient, select the [Detail] key and press the [OK] key. The information stored for the selected destination will appear. Check the information and then press the [BACK] key to return to the search results screen.
- **If a screen for selecting the item to be used appears...**
  If the selected destination includes an E-mail address or other address in addition to the fax number or telephone number, you will need to select which item you wish to use. To retrieve the fax number, select the [Fax] key and press the [OK] key.

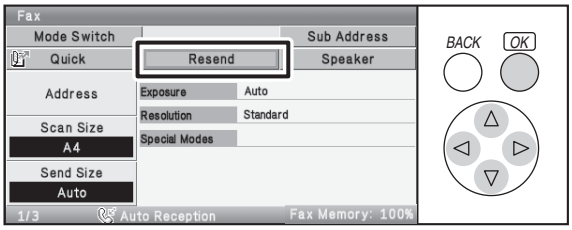
Contents

USING THE RESEND FUNCTION

The destinations of the most recent 8 transmissions by fax, Scan to E-mail, and/or Internet fax are stored. One of these can be selected to resend to that destination.

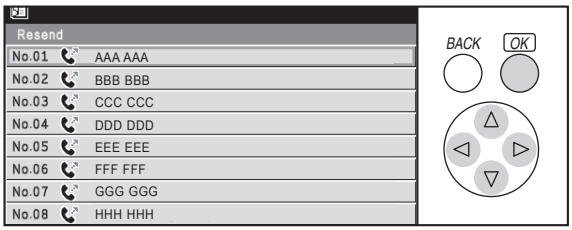
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Resend] key.

2



Select the key of the fax destination that you wish to redial.

The last 8 transmission destinations appear.

- If numeric keys were pressed during the previous transmission, the [Resend] key may not dial the correct number.
- The fax addresses below are not stored as addresses for which resend is possible.
  - A one-touch key in which multiple destinations are stored (group key)
  - Broadcast destinations
  - Destinations transmitted to using a program

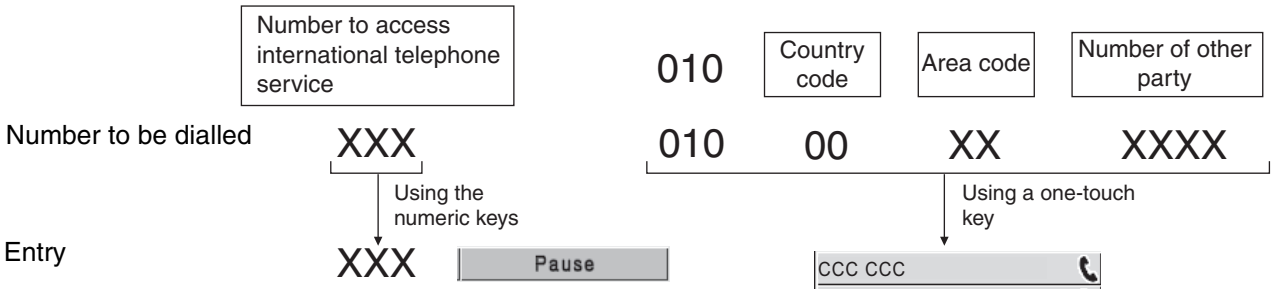
System Settings (Administrator): Disable [Resend] on Fax/Image Send Mode (Web page only)
This prohibits use of the resend function. When this setting is enabled, the [Resend] key cannot be used in the base screen of image send mode.

Contents

CHAIN DIALLING

Number sequences entered with the numeric keys and/or one-touch keys can be linked together with pauses and dialled as a single number.
Use chain dialling to dial a long number (such as an international number) when the country code and/or area code are stored separately in one-touch keys.

Example: Using chain dialling to dial an international number



System Settings (Administrator): Pause Time Setting
This is used to set the length of pauses. The default setting is 2 seconds.

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BASIC TRANSMISSION METHODS

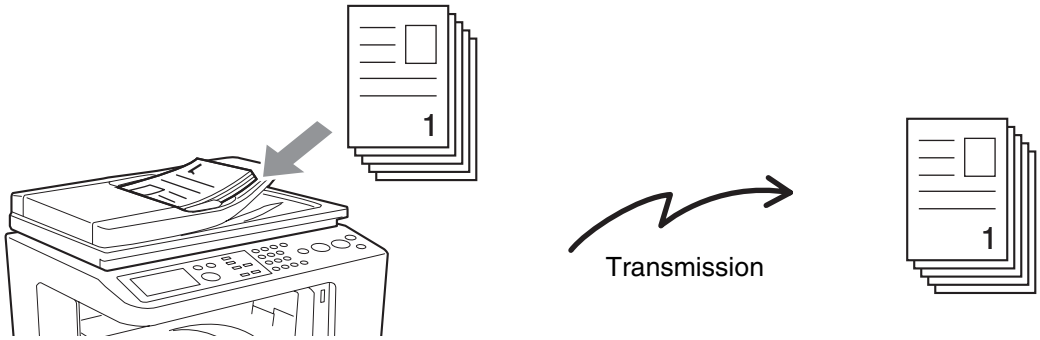
This section explains the basic procedures for sending a fax.

TRANSMISSION METHODS

The methods that can be used to send a fax from the machine are explained below. Select the method that best suits your needs.

To fax a large number of sheet originals, use the automatic document feeder.

The originals will be scanned into memory and then transmitted (memory transmission).
When memory transmission is selected and multiple originals are placed in the automatic document feeder (and the line is free), transmission will begin as soon as the first page is scanned and will take place while the remaining pages are being scanned (Quick Online transmission).
If transmission cannot begin immediately because the line is in use, all pages will be scanned into memory and the transmission will be reserved.
☞ USING THE AUTOMATIC DOCUMENT FEEDER FOR TRANSMISSION (page 4-33)
When a fax transmission or reception is already in progress, the following procedure can be performed to reserve a transmission job. To check reserved transmission jobs, display the job status screen.
☞ CHECKING THE STATUS OF FAX JOBS (page 4-120)



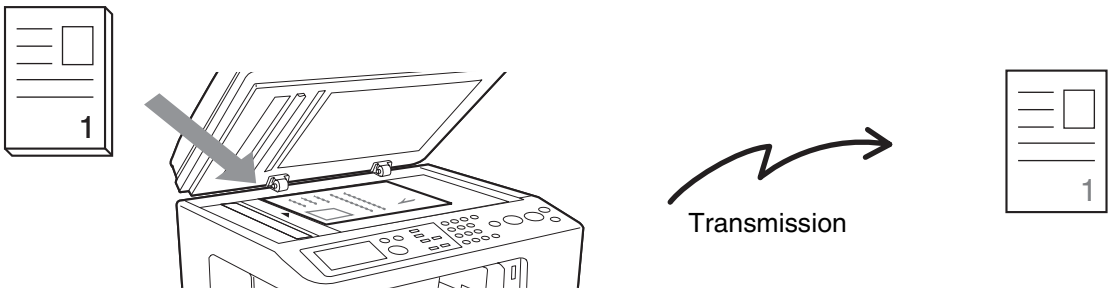
- If memory becomes full while the first original page is being scanned, transmission will stop.
- In the following situations, the transmission will be automatically reserved (memory transmission)
  - When the line is busy or a communication error occurs and automatic resending is enabled.
    ☞ WHEN THE LINE IS BUSY (page 4-31), WHEN A COMMUNICATION ERROR OCCURS (page 4-31)
  - The machine is already using the line to send or receive a fax.
  - Another fax transmission was reserved ahead of your fax.
  - One of the following functions is being used for transmission:
    Broadcast transmission, F-code transmission, timer transmission, Card Shot, Job Build, Business Card Scan
  - The document glass is being used (except when the speaker is being used to dial).
- Up to 94 transmission jobs can be reserved.
- When the transmission is finished, the scanned original pages are cleared from memory.

System Settings (Administrator): Quick On Line Sending
This is used to disable Quick Online transmission. In this case, fax transmissions will be sent by memory transmission (reserved and then transmitted).

Contents

To fax thick originals or pages of a book, use the document glass.

☞ USING THE DOCUMENT GLASS FOR TRANSMISSION (page 4-36)

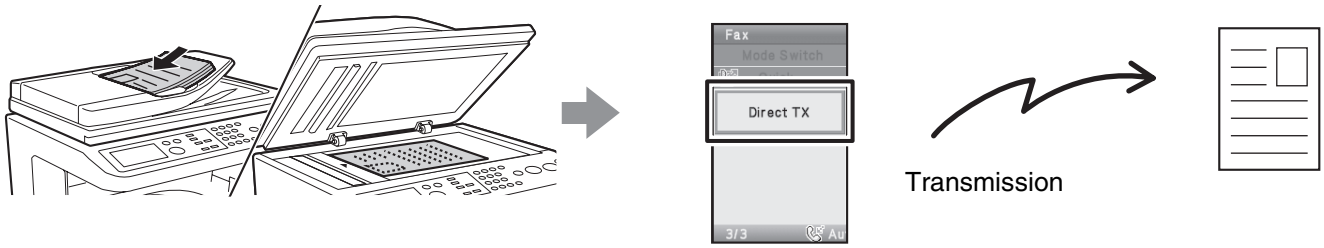


When the document glass is being used for a transmission, Quick Online transmission will not operate.

If you wish to send a fax ahead of other previously reserved fax transmissions, use direct transmission mode.

The original is transmitted directly to the receiving fax machine without being scanned into memory.
When direct transmission mode is used, transmission will begin as soon as the transmission in progress is completed (ahead of any previously reserved transmissions).
To send a fax by direct transmission, select the [Direct TX] key and press the [OK] key in the base screen.

☞ USING THE AUTOMATIC DOCUMENT FEEDER TO SEND A FAX IN DIRECT TRANSMISSION MODE (page 4-34)
☞ USING THE DOCUMENT GLASS TO SEND A FAX IN DIRECT TRANSMISSION MODE (page 4-38)

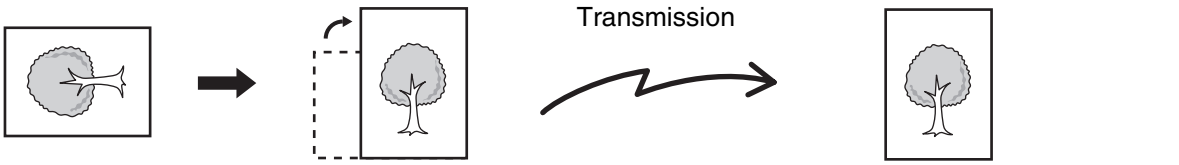


- When transmission in direct transmission mode ends, the mode automatically changes back to memory transmission mode.
- When the document glass is used, multiple original pages cannot be scanned.

Contents

PLACEMENT ORIENTATION OF THE ORIGINAL

An A5 (5-1/2" x 8-1/2") or B5 size original in landscape orientation will be rotated 90 degrees and transmitted as an A5 (5-1/2" x 8-1/2") or B5 image in portrait orientation.



A5 (5-1/2" x 8-1/2") size original

Rotated to A5 (5-1/2" x 8-1/2") image in portrait orientation

A5 (5-1/2" x 8-1/2") image in portrait orientation is transmitted.

System Settings (Administrator): Rotation Sending Setting
The factory default setting is rotate before transmission. If this setting is disabled, the original will be transmitted in the orientation in which it is placed.

WHEN THE LINE IS BUSY

If the line is busy when you send a fax, transmission will be re-attempted automatically after a preset interval. This function only operates in memory transmission mode. In direct transmission mode or manual transmission mode, the transmission will be cancelled. Wait briefly and then try sending the fax again.

To cancel transmission...
Cancel the transmission from the job status screen.
☞ CANCELLING A FAX IN PROGRESS OR A RESERVED FAX (page 4-127)

System Settings (Administrator): Recall in Case of Line Busy
This is used to set the number of recall attempts and the interval between attempts when the connection cannot be established because the line is busy.

WHEN A COMMUNICATION ERROR OCCURS

If a communication error occurs or the other fax machine does not answer the call within a preset period of time, transmission will be re-attempted automatically after a preset interval. This function only operates in memory transmission mode.

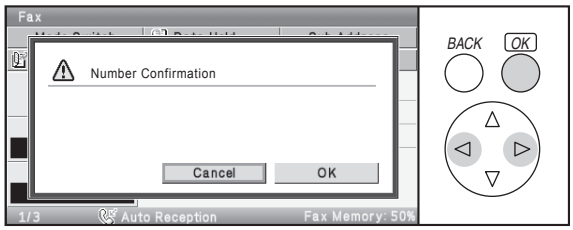
To cancel transmission...
Cancel the transmission from the job status screen.
☞ CANCELLING A FAX IN PROGRESS OR A RESERVED FAX (page 4-127)

System Settings (Administrator): Recall in Case of Communication Error
This is used to set the number of recall attempts and the interval between attempts when a transmission fails due to an error.

FAX DESTINATION CONFIRMATION MODE

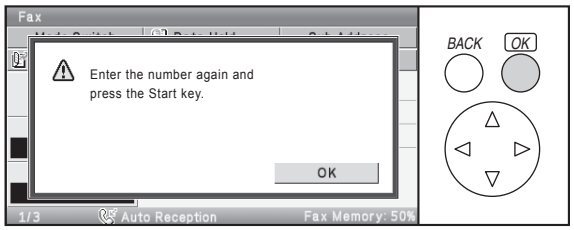
The fax destination confirmation mode displays a destination confirmation message when a fax transmission is performed to prevent accidental transmission to the wrong destination. This function is enabled in the system settings (administrator). When the function is enabled, a message will appear to confirm the destination when the [BLACK & WHITE START] key is pressed to begin fax transmission.
The message that appears will vary depending on the method used to specify the destination.

Destination specified by one-touch key/search number



Make sure that the destination indicated in the message is correct and select the [OK] key and press the [OK] key. Scanning will begin.
If the destination is not correct, select the [Cancel] key and select the destination again.

Destination specified by the numeric keys, [Resend] key, or [Global Address Search] key



Select the [OK] key and press the [OK] key, re-enter the destination with the numeric keys, and press the [BLACK & WHITE START] key.
If the re-entered destination is correct, scanning will begin.
If the re-entered destination is not correct, a message will appear. Select the [OK] key and press the [OK] key, and then re-enter the destination. If an incorrect number is entered for confirmation 3 times in a row, the screen will revert to the base screen.

- Even if a one-touch key or search number was used to specify the destination, if the [Sub Address] key is used to enter a sub-address and passcode, the fax number must be re-entered during confirmation. After re-entering the fax number, select the [Sub Address] key and press the [OK] key, and enter the sub-address and passcode.
- If chain dialling was used, select the [Pause] key and press the [OK] key to enter "-" during confirmation.

Functions that cannot be used

When the fax destination confirmation function is enabled, only one destination is allowed, and thus the following functions cannot be used.

- **Broadcast transmission to multiple destinations including fax destinations**
  Group keys and program keys that contain multiple fax destinations cannot be used. After one destination is specified, specification of a destination by search number is no longer possible, and keys such as another one-touch key, the [Next Address] key, the [Address Entry] key, and the [Global Address Search] key cannot be selected.
- **Transmission using the speaker key**
  A destination cannot be specified after the [Speaker] key is selected.

System Settings (Administrator): Fax Dest. Confirmation Mode
This setting is used to have a destination confirmation message appear when a fax is sent.

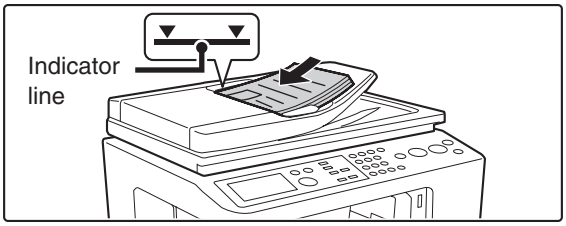
Contents

USING THE AUTOMATIC DOCUMENT FEEDER FOR TRANSMISSION

This section explains how to use the automatic document feeder to send a fax.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

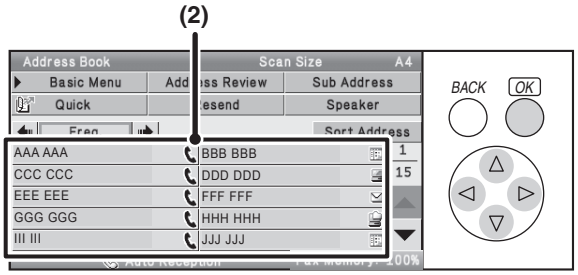


Place the originals face up in the document feeder tray with the edges aligned evenly.

Insert the originals all the way into the document feeder tray.
Multiple originals can be placed in the document feeder tray.
The stack of originals must not be higher than the indicator line on the tray.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

When sending a multi-page fax, the automatic document feeder and the document glass cannot both be used to scan the original pages.

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).

3

Press the [BLACK & WHITE START] key.

Scanning begins.
When scanning is completed, the machine sounds a beep.

When scanning is completed, "Job stored." will be displayed together with a job control number. This number can be used to locate the job in the Transaction Report or in the Image Sending Activity Report.

- If a fax is being received when the transmission operation is performed, the transmission will be reserved and transmitted after fax reception is completed.
- If the memory becomes full while the originals are being scanned, a message will appear and scanning will stop. If Quick Online transmission is taking place, the originals that were scanned will be transmitted. If Quick Online is not enabled, the transmission will be cancelled.

System Settings (Administrator): Scan Complete Sound Setting
The scan complete sound can be selected.

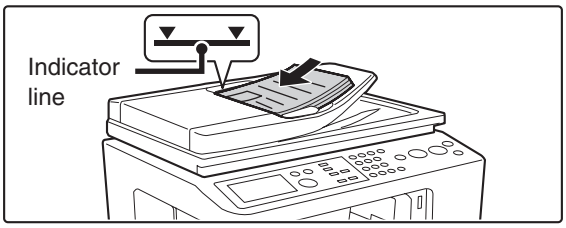
To cancel scanning...
Press the [STOP] key (⊘) to cancel the operation.

Contents

USING THE AUTOMATIC DOCUMENT FEEDER TO SEND A FAX IN DIRECT TRANSMISSION MODE

Keys in the display can be selected with the arrow keys and the [OK] key.

1

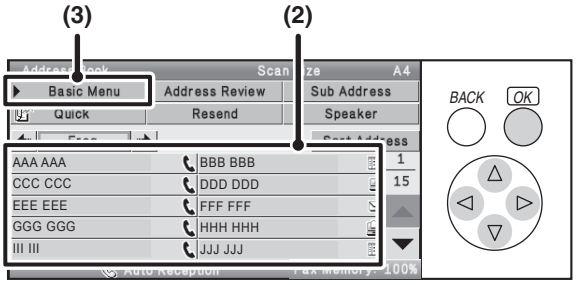


Place the originals face up in the document feeder tray with the edges aligned evenly.

Insert the originals all the way into the document feeder tray.
Multiple originals can be placed in the document feeder tray.
The stack of originals must not be higher than the indicator line on the tray.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

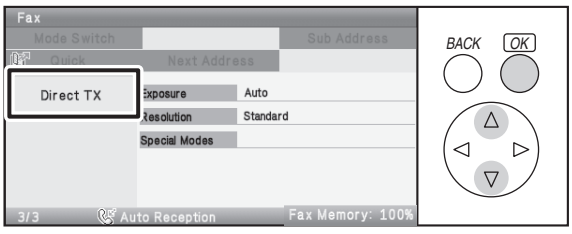
For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

(3) Select the [Condition Settings] key.

- Only one destination can be entered. A one-touch key in which multiple destinations are stored (group key) cannot be used.
- In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).

3



Select the [Direct TX] key.

4

Press the [BLACK & WHITE START] key.

Transmission begins.

To cancel transmission...
While "Dialling. Press [▽] to cancel." appears or while the fax is being transmitted, press the [STOP] key (▽).

Contents

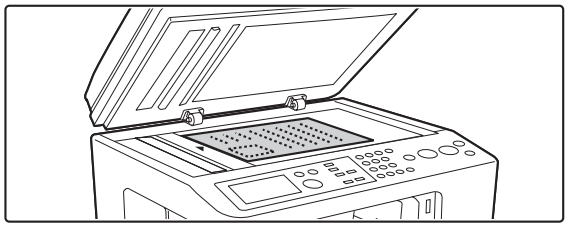
- The following functions cannot be used with direct transmission:
  Program, Timer Transmission, Card Shot, Job Build, Polling Memory, Memory Box, 2-Sided Original Scanning, Global Address Search
- Resending will not take place when a direct transmission is not successful due to a communication error or other reason.
- If a fax transmission is already in progress when the direct transmission operation is performed, the direct transmission will wait until the previous transmission is finished. When the previous transmission is completed, the direct transmission will begin. While the direct transmission is waiting, the [JOB STATUS] key can be pressed to display the job status screen. No other operations are possible.
  ☞CHECKING THE STATUS OF FAX JOBS (page 4-120)

USING THE DOCUMENT GLASS FOR TRANSMISSION

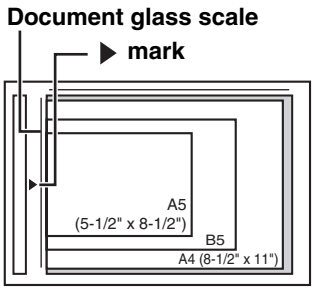
To fax a thick original or other original that cannot be fed through the automatic document feeder, open the automatic document feeder and place the original on the document glass.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Open the automatic document feeder, place the original face down on the document glass, and then gently close the automatic document feeder.

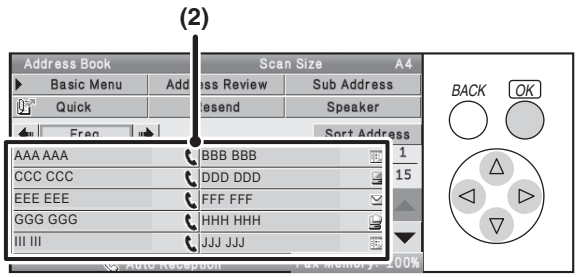


- Align the middle of the original with the tip of the ▶ mark at the middle of the scale on the left side of the document glass.
- Place the original in the appropriate position for its size as shown above.
- When the original is a different size than the size setting, set the original size.

  ☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

- When faxing a multi-page original, scan each page in order starting from the first page.
- When sending a multi-page fax, the automatic document feeder and the document glass cannot both be used to scan the original pages.

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).

Contents

3 **Press the [BLACK & WHITE START] key.**

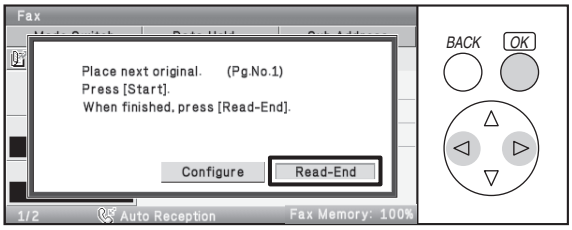
Scanning begins.

4 **If you have another page to scan, change pages and then press the [BLACK & WHITE START] key.**

Repeat until all originals have been scanned.

If no action is taken for one minute, scanning automatically ends and the transmission is reserved.

5



Select the [Read-End] key.

A beep sounds.
Open the automatic document feeder and remove the original.

- When scanning is completed, "Job stored." will be displayed together with a job control number. This number can be used to locate the job in the Transaction Report or in the Image Sending Activity Report.
- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- To change the exposure, resolution, scan size, and send size for each original page scanned, select the [Configure] key and press the [OK] key. However, when "Card Shot" is selected in the special modes, only the exposure can be changed, and this can only be done when scanning each even page number of the original pages.

To cancel transmission...
Press the [STOP] key ( ) before selecting the [Read-End] key and pressing the [OK] key.

- If a fax is being received when the transmission operation is performed, the transmission will be reserved and transmission will take place after fax reception is completed.
- If the memory becomes full while the originals are being scanned, a message will appear and transmission will be cancelled.

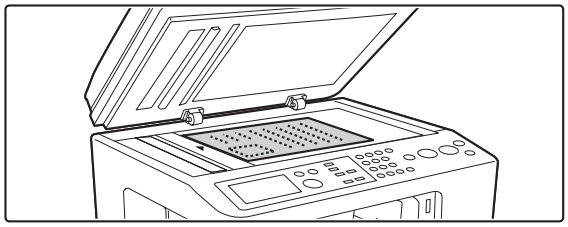
Contents

USING THE DOCUMENT GLASS TO SEND A FAX IN DIRECT TRANSMISSION MODE

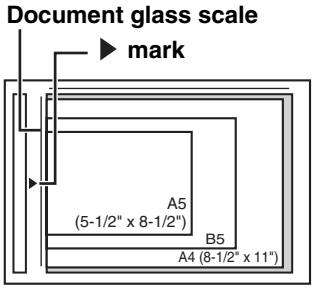
When sending a fax from the document glass in direct transmission mode, only one page can be transmitted.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Open the automatic document feeder, place the original face down on the document glass, and then gently close the automatic document feeder.

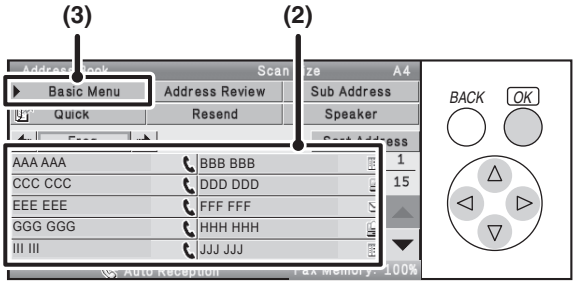


- Align the middle of the original with the tip of the ▶ mark at the middle of the scale on the left side of the document glass.
- Place the original in the appropriate position for its size as shown above.
- When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

Do not place any objects under the original size detector. Closing the automatic document feeder with an object underneath may damage the original size detector plate and prevent correct detection of the document size.

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

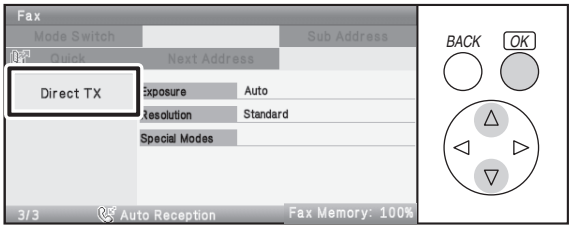
(2) Select the one-touch key of the desired destination.

(3) Select the [Basic Menu] key.

- Only one destination can be entered. A one-touch key in which multiple destinations are stored (group key) cannot be used.
- In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).

Contents

3



Select the [Direct TX] key.

4

Press the [BLACK & WHITE START] key.

Transmission begins.

To cancel transmission...
While "Dialling. Press [▽] to cancel." appears in the display, press the [STOP] key (▽).

- The following functions cannot be used with direct transmission:
  Program, Timer Transmission, Card Shot, Job Build, Polling Memory, Memory Box, 2-Sided Original Scanning, Global Address Search
- Resending will not take place when a direct transmission is not successful due to a communication error or other reason.
- If a fax transmission is already in progress when the direct transmission operation is performed, the direct transmission will wait until the previous transmission is finished. When the previous transmission is completed, the direct transmission will begin. While the direct transmission is waiting, the [JOB STATUS] key can be pressed to display the job status screen. No other operations are possible.
  ☞CHECKING THE STATUS OF FAX JOBS (page 4-120)

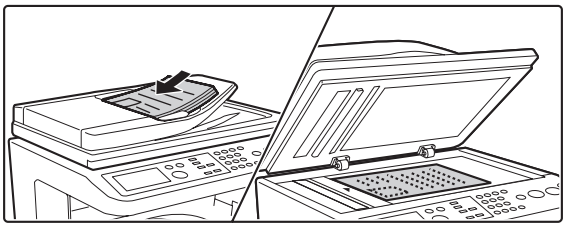
Contents

TRANSMISSION USING THE SPEAKER

When the speaker is used to dial, the fax is sent after the number is dialled and the connection is established. If a person answers, you will be able to hear his or her voice, but you will not be able to speak.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

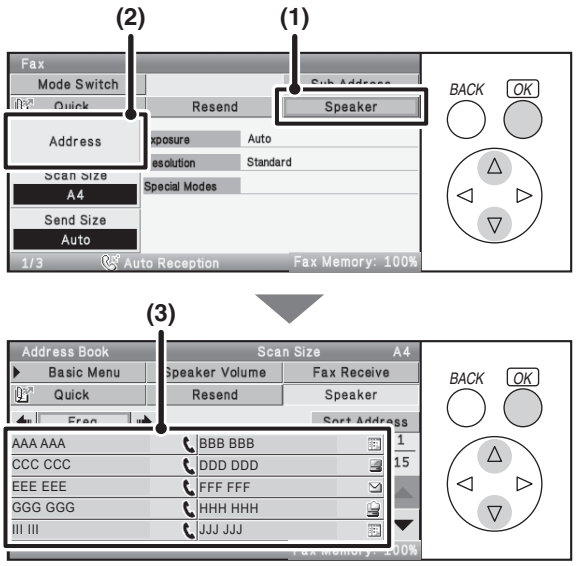


Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the document glass is used, only one page can be transmitted.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2



Enter the destination fax number.

(1) Select the [Speaker] key.

You will hear the dial tone through the machine's speaker.

(2) Select the [Address] key in the base screen.

(3) Select the one-touch key of the desired destination.

A group key cannot be used.

- In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).
- After selecting the [Speaker] key and pressing the [OK] key, you can select the [Speaker Volume] key and press the [OK] key to adjust the volume of the speaker. The speaker volume changes each time the [OK] key is pressed with the [Speaker Volume] key selected. Adjust the volume to the desired level.

3

Wait until the connection is made and then press the [BLACK & WHITE START] key.

Transmission begins.

To cancel transmission...
Select the [Speaker] key and press the [OK] key before the [BLACK & WHITE START] key is pressed. The line will be disconnected and transmission will stop.

Contents

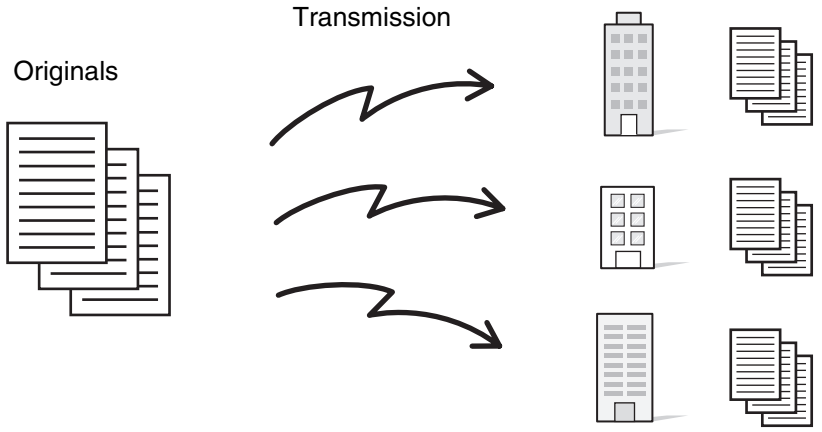
- When the speaker is used, transmission takes place without scanning the original into memory.
- A destination that includes an F-code (sub-address and passcode) cannot be used.
- A one-touch key that has multiple destinations or has a non-fax destination cannot be used.

System Settings (Administrator): Speaker Settings
The default volume level of the speaker can be changed in the "Speaker Settings".

Contents

SENDING THE SAME FAX TO MULTIPLE DESTINATIONS (Broadcast Transmission)

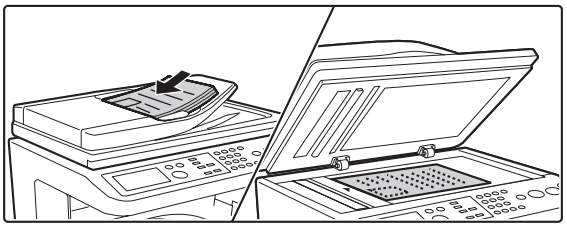
This function is convenient when you need to send the same fax to multiple destinations, such as sending a report to branch offices in different regions. You can transmit to as many as 500 destinations in one broadcast operation.



It is convenient to store destinations to which you frequently send faxes by broadcast transmission in group keys. Group dialling allows you to retrieve multiple fax numbers stored in a one-touch key by simply pressing the one-touch key. To store group keys, see "ADDRESS BOOK" (page 4-14).
When a group key is used to dial, the number of fax numbers that are dialled is the number of destinations that are stored in the group key. When a group key that has 10 destinations is used, 10 fax numbers are dialled.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

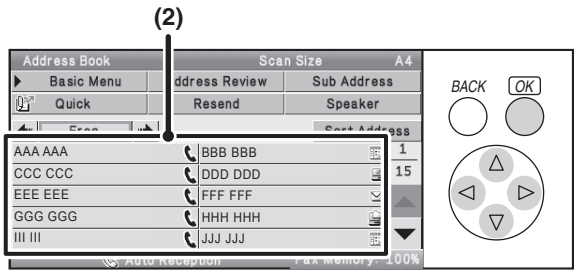


Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2



Enter the destination fax number.

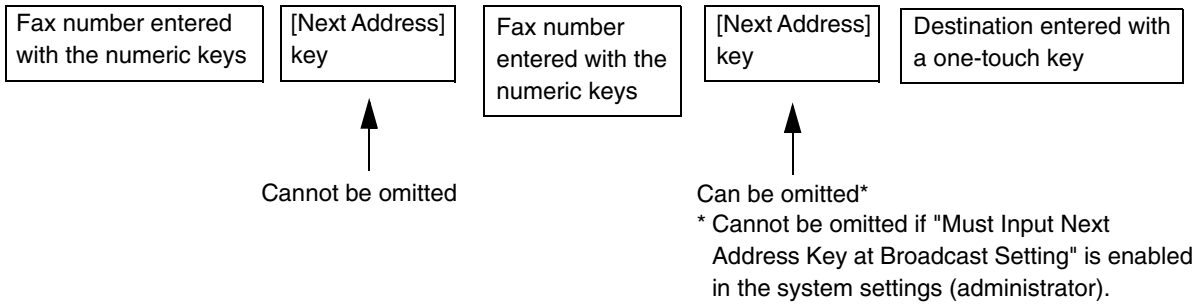
(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

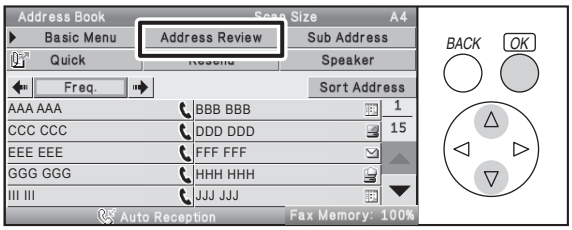
(3) Repeat step (2) until all destinations are selected.

- In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).
- It is convenient to use a group key to enter the destinations.
- After entering a destination with the numeric keys, if you wish to enter another destination with the numeric keys, select the [Next Address] key before entering the next destination. The [Next Address] key can be omitted before or after a destination entered using a one-touch key. However, if "Must Input Next Address Key at Broadcast Setting" is enabled in the system settings (administrator), the [Next Address] key must be selected before entering the next destination.



System Settings (Administrator): Must Input Next Address Key at Broadcast Setting
This setting is used to prohibit omission of the [Next Address] key when entering destinations for broadcast transmissions.

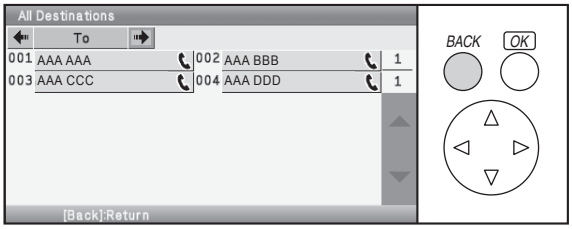
3



Select the [Address Review] key.

Contents

4



Check the destinations and then press the [BACK] key.

To cancel a specified destination...
Select the key of the destination that you wish to cancel. A message will appear to confirm the deletion. Select the [Yes] key.
☞ CHECKING AND DELETING ENTERED DESTINATIONS (page 4-23)

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key ( ).

- A broadcast transmission takes place by memory transmission only.
- A broadcast transmission can be used in combination with the timer transmission function to transmit at night or any other desired time. A broadcast transmission can also be used in combination with other convenient functions.
- The broadcast transmission can include Scan to E-mail and Internet fax destinations. In this case, the image sent to the Scan to E-mail and Internet fax destinations will be black and white.

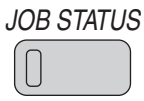
Contents

Resending to unsuccessful broadcast transmission destinations

The results of a completed broadcast transmission can be checked in the job status screen. If transmission to any of the destinations failed, resend the fax to those destinations.

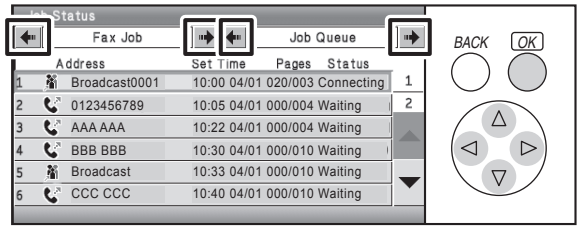
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2

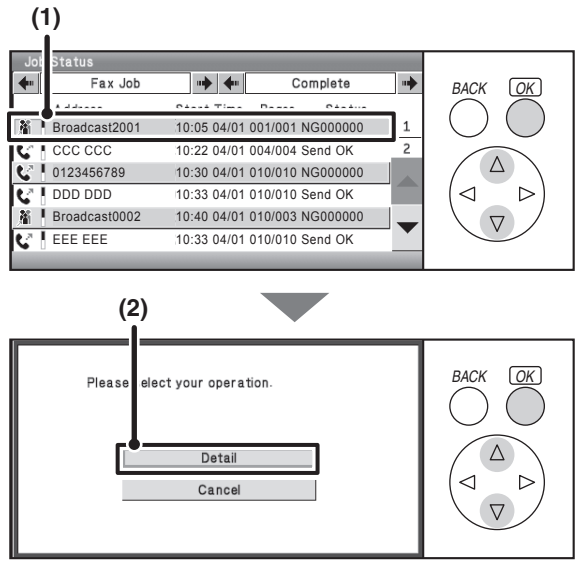


Select the ◀ ▶ keys and press the [OK] key to select the [Complete] key.

If the job status screen of fax mode does not appear, select the [Fax Job].

If the broadcast transmission included destinations of different modes, the same broadcast transmission key will appear in each of those modes.

3



Display details on the broadcast transmission.

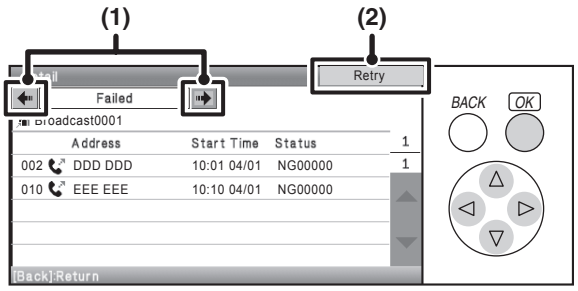
(1) Select the completed broadcast transmission.

(2) Select the [Detail] key.

"Broadcastxxxx" will appear as the destination of the broadcast job key. The job control number that appeared in the display when scanning ended appears in "xxxx".

Contents

4



Resend to unsuccessful destinations.

(1) Select the [Failed] tab.

Select the keys and press the [OK] key.

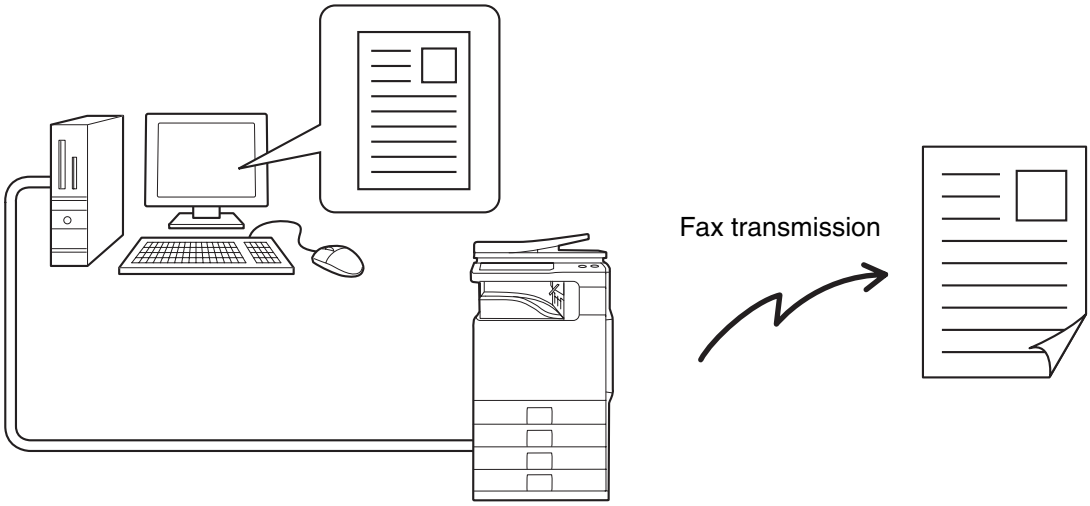
(2) Select the [Retry] key.

After the [Retry] key is selected, you will return to the base screen with the unsuccessful destinations entered. Place the original and perform the broadcast transmission operation.

Contents

SENDING A FAX DIRECTLY FROM A COMPUTER (PC-Fax)

A document in a computer can be transmitted via the machine as a fax. Faxes are sent using the PC-Fax function in the same way as documents are printed. Select the PC-Fax driver as the printer driver on your computer and then select the Print command in the software application. Image data for transmission will be created and sent as a fax.



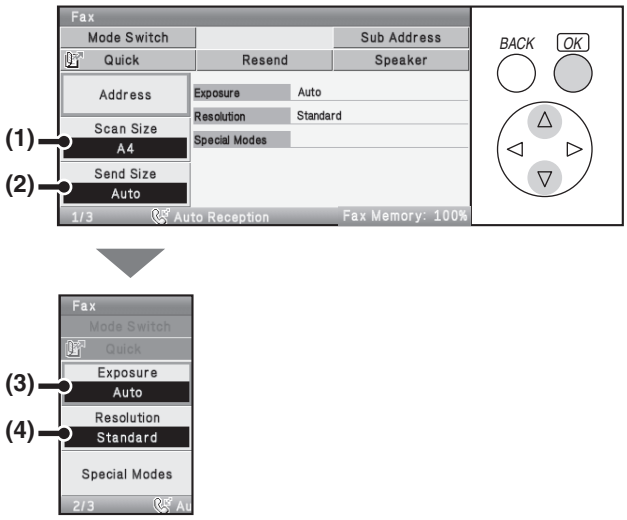
For more information on using PC-Fax, see the Help file for the PC-Fax driver.

- To use the PC-Fax function, the PC-Fax driver must be installed. For more information, see the Software Setup Guide.
- This function can only be used on a Windows® computer.
- This function can only be used for transmission. Faxes cannot be received to your computer.

Contents

IMAGE SETTINGS

Settings for scanning the original are selected in the base screen of each mode. The current state of each setting appears in the key used to select the setting.



(1) [Scan Size] key

Select this key to set the scan size, and orientation of the original, and select 2-sided scanning settings.

☞ AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original) (page 4-49), SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

(2) [Send Size] key

Select this key to specify the send size of the original.

(3) [Exposure] key

Select this key to select the exposure for scanning.

☞ CHANGING THE EXPOSURE (page 4-57)

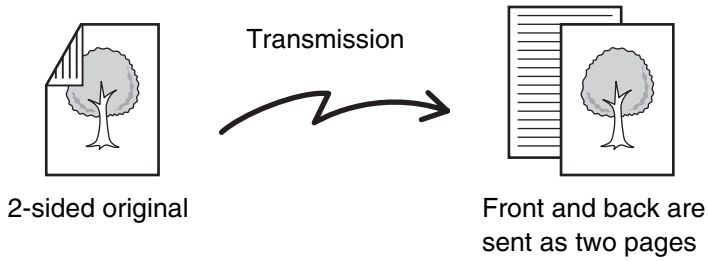
(4) [Resolution] key

Select this key to select the scanning resolution.

☞ CHANGING THE RESOLUTION (page 4-58)

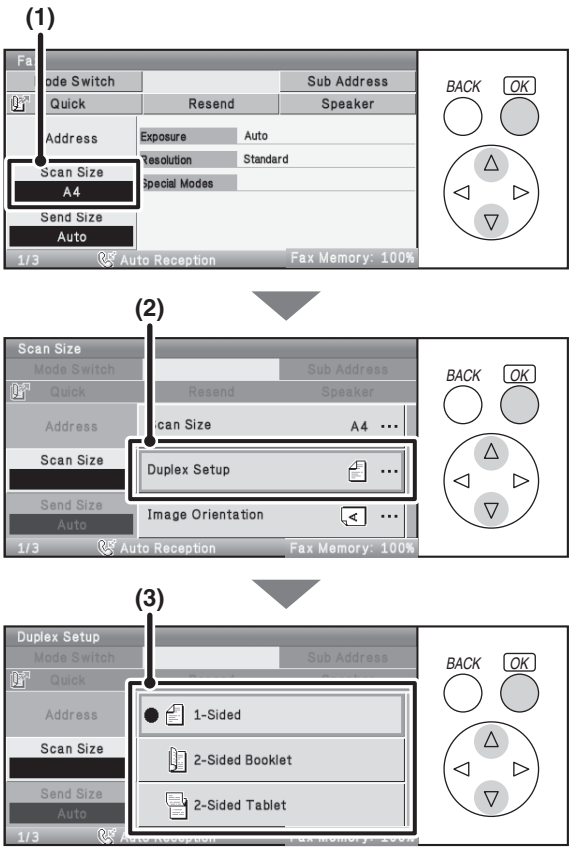
AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original)

The automatic document feeder will automatically scan both sides of the document.



Keys in the display can be selected with the arrow keys and the [OK] key.

1



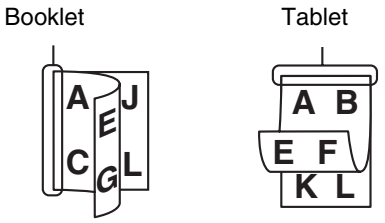
Specify the binding style of the 2-sided original (book or tablet).

(1) Select the [Scan Size] key.

(2) Select the [Duplex Setup] key.

(3) Select the [2-Sided Booklet] key or the [2-Sided Tablet] key.

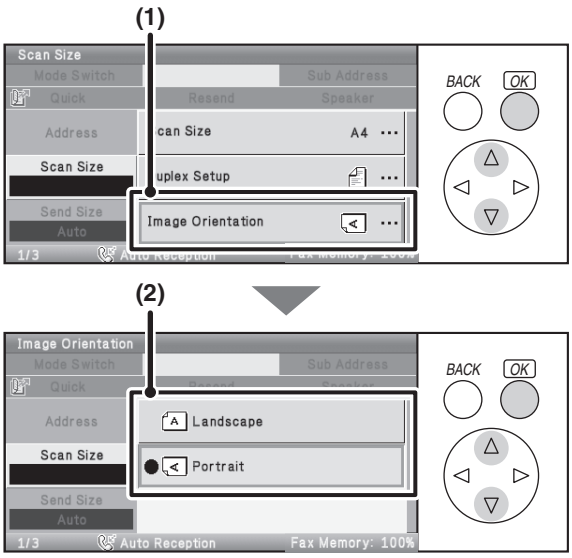
A book and a tablet are bound as shown below.



To cancel 2-sided scanning, select the [1-Sided] key in (3).

Contents

2



Specify the orientation in which the original is placed.

(1) Select the [Image Orientation].

(2) Select the "image placement orientation" key with the same orientation as the image of the placed original.

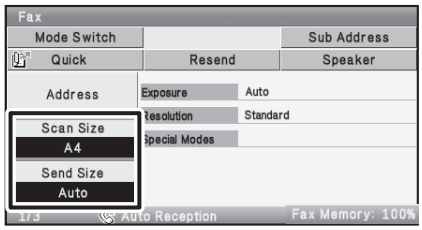
If the wrong orientation is selected here, the image may not be sent properly.

- 2-sided scanning automatically turns off after the transmission operation is completed.
- 2-sided scanning is not possible when direct transmission or speaker transmission is performed.

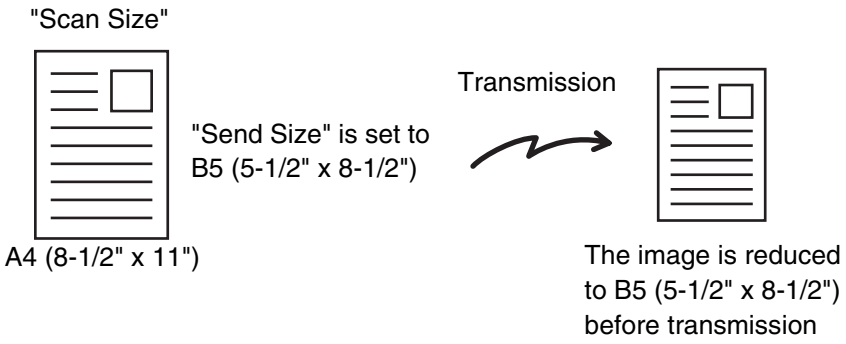
Contents

SPECIFYING THE SCAN SIZE AND SEND SIZE

When the original is placed, the original size and the send size set in the system settings appear in the base screen as the original size and send size.



In the above screen, the scan size (the original size) is A4 (8-1/2" x 11") and the send size is auto. If, for example, the scan size were A4 (8-1/2" x 11") and the send size were B5 (5-1/2" x 8-1/2"), the image would be reduced before transmission.



If the size of the placed original is different from the displayed original size, specify the original size.
☞ Specifying the original scan size (by paper size) (page 4-52)
☞ Specifying the original scan size (by numerical values) (page 4-53)

System Settings (Administrator): Default Original Size Settings (Web page only)
Set this if you frequently use a particular original size. The set size will appear in the [Scan Size] key. When this setting is configured, changing the original size can be omitted.
When this setting is configured, changing the original size can be omitted.

Contents

Specifying the original scan size (by paper size)

If the size of the placed original is different from the displayed original size or you wish to change the original size, you must specify the scan size. Place the original in the document feeder tray or on the document glass and follow the steps below.

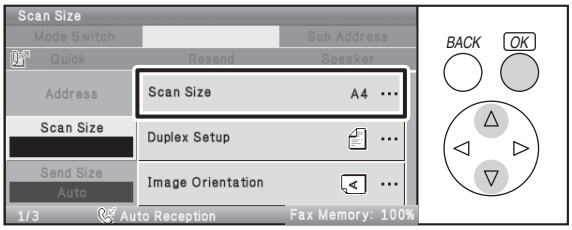
Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Scan Size] key.

The original size set in the system settings appears to the right of the [Scan Size] key.

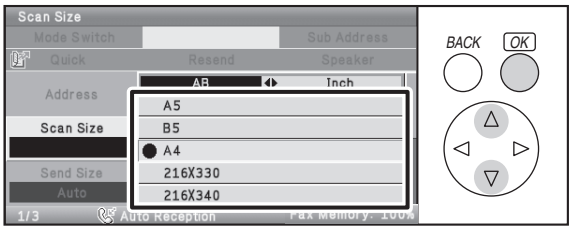
☞ IMAGE SETTINGS (page 4-48)

2 Select the [Scan Size] key.



3 Specify the scan size.

Select the appropriate original size.



- If you are sending a long original, select the [Long Size] key. Use the automatic document feeder to scan a long original. The maximum length that can be scanned is 500 mm (19-5/8") (the maximum height is 216 mm (8-1/2")).
- To set an inch scan size, select the [AB ◆▶ Inch] key to show inch sizes.

When [Long Size] is selected, the 2-sided scanning setting and send size cannot be changed.

Contents

Specifying the original scan size (by numerical values)

When scanning a non-standard size original such as a postcard or card, follow these steps to specify the original size.

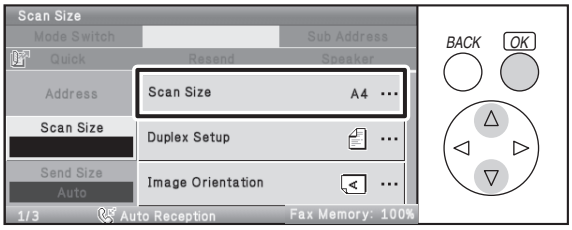
Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Scan Size] key.

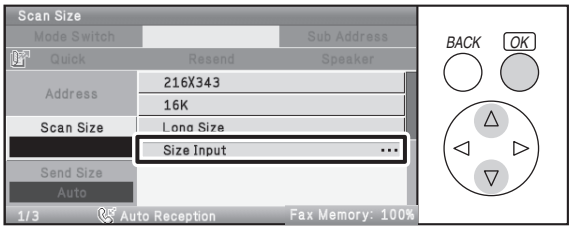
The original size set in the system settings appears to the right of the [Scan Size] key.

☞ IMAGE SETTINGS (page 4-48)

2 Select the [Scan Size] key.

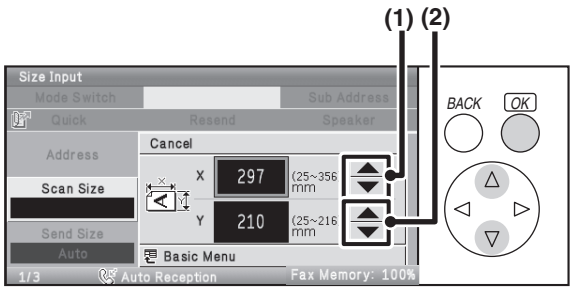


3 Select the [Size Input] key.



Contents

4



Enter the scan size.

(1) Enter the X (horizontal) dimension of the original.

Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 297 mm (1" to 11-5/8") can be entered.
- When the automatic document feeder is used, a number from 89 mm to 356 mm (3-1/2" to 14") can be entered.
- When a number which is from 139 mm (5-3/8") and less is entered in 2-Sided scanning setting, an original cannot be scanned.
- If the horizontal dimension of the original is less than 89 mm (3-1/2"), use the document glass.

(2) Enter the Y (vertical) dimension of the original.

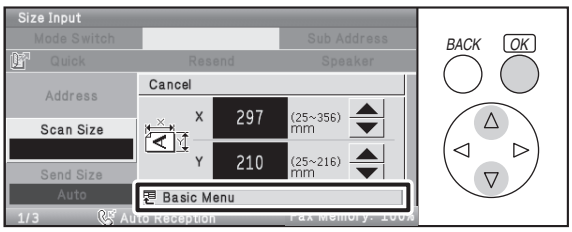
Select the Y (height) number display and press the [OK] key. A number entry screen will appear. Enter the height of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 216 mm (1" to 8-1/2") can be entered.
- When the automatic document feeder is used, a number from 100 mm to 216 mm (4" to 8-1/2") can be entered.
- If the vertical dimension of the original is less than 100 mm (4"), use the document glass.

- When a number from 298 mm to 356 mm (11-3/4" to 14") to the X (horizontal) dimension and a number from 25 mm to 99 mm (1" to 3-7/8") to the Y (vertical) dimension are entered at the same time, an original cannot be scanned.
- You can also select the ▼ ▲ keys to change the number.
- For the procedure for entering numbers, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING MACHINE".

To cancel the size input...
To cancel the size input, select the [Cancel] key.

5



Select the [Basic Menu] key.

The specified size appears in the [Scan Size] key.

- When the scan size is specified by numerical values, the send size cannot be specified.
- When the automatic document feeder is used, an original longer that 297 mm (11-5/8") can be scanned (maximum width 500 mm (19-5/8")). In this case, select the [Long Size] key in the screen of step 3.
  ☞ Specifying the original scan size (by paper size) (page 4-52)

Contents

Specifying the send size of the original

Specify the send size as a paper size. If a send size bigger than the scan size is selected, the image will be enlarged. If a send size smaller than the scan size is selected, the image will be reduced.

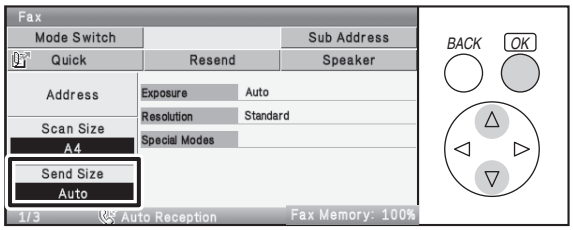
The send size cannot be specified when [Long Size] is selected for the scan size, or when the scan size is specified by numerical values.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Scan Size] key.

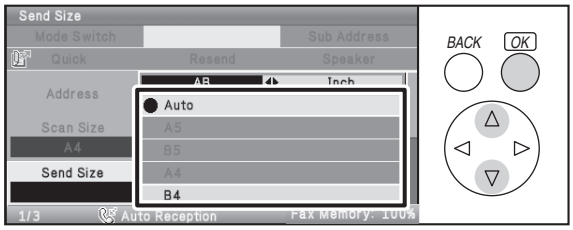
☞ IMAGE SETTINGS (page 4-48)

2 Select the [Send Size] key.



3 Specify the send size.

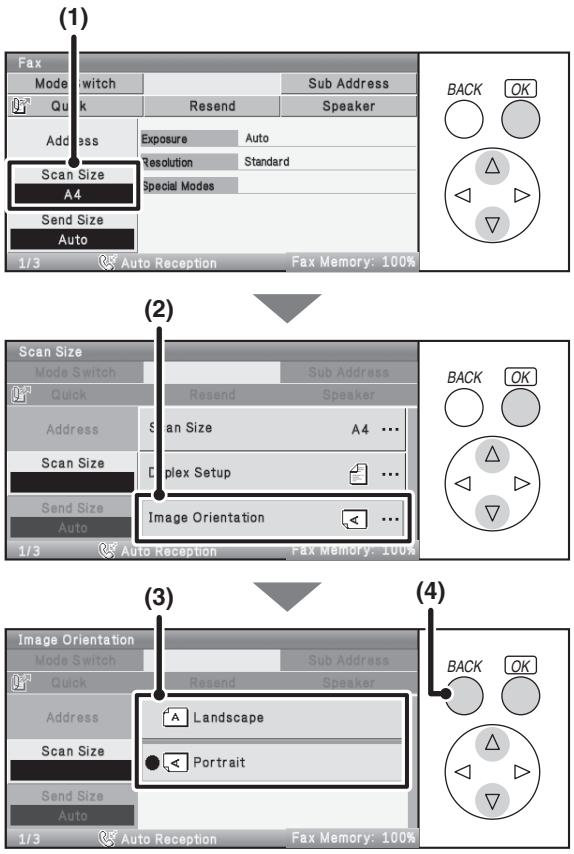
Select the desired send size key.
Select the [OK] key to return to the screen of step 2.



- Depending on the "Scan Size" setting, it may not be possible to select some sizes for the "Send Size". Size keys that cannot be specified for the "Send Size" are greyed out to prevent selection.
- To set an inch scan size, select the [AB ◆▶ Inch] key to show inch sizes.

Contents

4



Specify the orientation in which the original is placed.

(1) Select the [Scan Size] key.

(2) Select the [Image Orientation] key.

(3) Select the "image placement orientation" key with the same orientation as the image of the placed original.

If the wrong orientation is selected here, the image may not be sent properly when using enlargement/reduction.

(4) Press the [BACK] key.

Contents

CHANGING THE EXPOSURE

The exposure can be changed to match the darkness of the original.
Refer the following tables to select appropriate settings.

Exposure settings

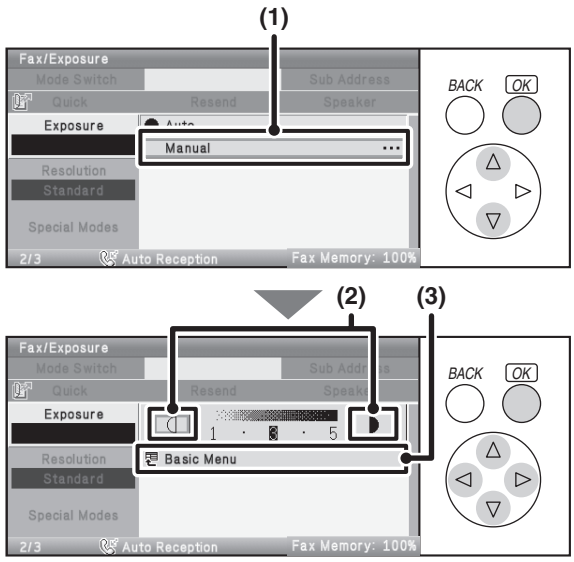
Exposure		When to select
Auto		This setting automatically adjusts the exposure for light and dark parts of the original.
Manual	1-2	Select this setting when the original consists of dark text.
	3	Select this setting for a normal original (neither dark nor light).
	4-5	Select this setting when the original consists of faint text.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the [Exposure] key.**

The current exposure setting appears in the [Exposure] key.
☞ IMAGE SETTINGS (page 4-48)

2



Select the exposure.

(1) Select the [Manual] key.

(2) Adjust the exposure.

Select the key or the key. To darken the exposure, select the key. To lighten the exposure, select the key.
To return to auto exposure adjustment, select the [Auto] key.

(3) Select the [Basic Menu] key.

When using the document glass to scan multiple original pages, the exposure setting can be changed each time you change pages. When using the automatic document feeder, the exposure setting cannot be changed once scanning has begun. (However, when "Job Build" in the special modes is used, the exposure can be changed each time a new set of originals is inserted.)

System Settings (Administrator): Default Exposure Settings
This is used to change the default exposure setting.

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CHANGING THE RESOLUTION

The resolution can be selected to match the characteristics of the original, such as text or photo, the size of the text, and the darkness of the image.
Refer the following tables to select appropriate settings.

Resolution settings

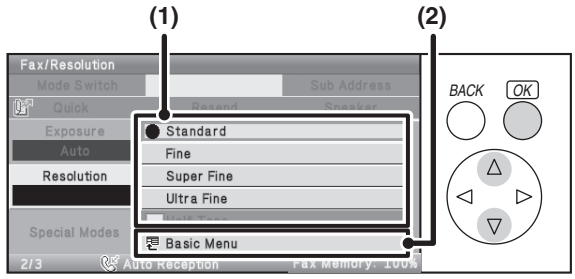
Resolution	When to select
Standard	Select this setting when your original consists of normal-sized text (like the text in this manual).
Fine	Select this setting when your original has small text or diagrams with fine lines. The original will be scanned at twice the resolution of the [Standard] setting.
Super Fine	Select this setting when your original has intricate pictures or diagrams. A higher-quality image will be produced than with the [Fine] setting.
Ultra Fine	Select this setting when your original has intricate pictures or diagrams. This setting gives the best image quality. However, transmission will take longer than with the other settings.
Half Tone	Select this setting when your original is a photograph or has gradations of colour (such as a colour original). This setting will produce a clearer image than [Fine], [Super Fine], or [Ultra Fine] used alone. Halftone cannot be selected when [Standard] is used.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the [Resolution] key.**

The current resolution setting appears in the [Resolution] key.
☞ IMAGE SETTINGS (page 4-48)

2



Select the resolution.

(1) Select the key of the desired resolution.

(2) Select the [Basic Menu] key.

When [Fine], [Super Fine], or [Ultra Fine] is selected, the [Half Tone] key can be selected to select halftone.

- When using the document glass to scan multiple original pages, the resolution setting can be changed each time you change pages. When using the automatic document feeder, the resolution setting cannot be changed once scanning has begun. (However, when "Job Build" in the special modes is used, the resolution can be changed each time a new set of originals is inserted.)
- When a fax is sent at [Ultra Fine], [Super Fine], or [Fine] resolution, a lower resolution will be used if the receiving machine does not have that resolution.

System Settings (Administrator): Initial Resolution Setting
This is used to change the default resolution setting.

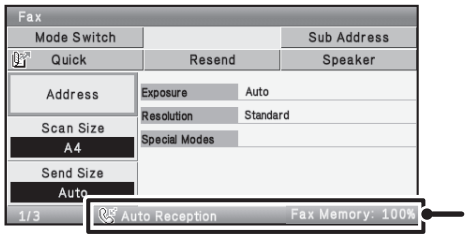
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FAX RECEPTION

This section explains the basic procedures for receiving faxes.

RECEIVING FAXES

When the reception mode is set to "Auto Reception", the machine will receive and print faxes automatically. The fax reception mode is displayed in the base screen.



This shows the current fax reception mode and the amount of free memory remaining.

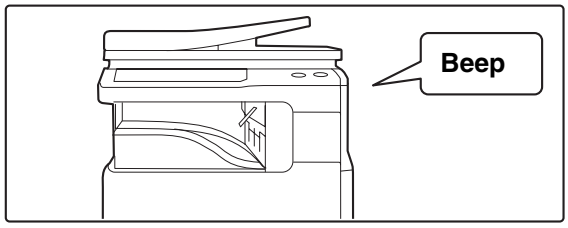
- When fax reception is in progress, it is possible to reserve a transmission by performing the transmission in memory transmission mode.
  ☞TRANSMISSION METHODS (page 4-29)
- When a fax smaller than A4 (8-1/2" x 11") size is received, the size of the paper used for printing will vary depending on the orientation (vertical or horizontal) in which the sender placed the original.

- **System Settings: Fax Data Receive/Forward (page 6-97)**
  This is used to change the fax reception mode. "Auto Reception" should normally be used.
  Select "Manual Reception" when an extension phone is connected to the machine.
- **System Settings (Administrator): Allow/Reject Number Setting**
  You can store numbers and specify whether or not reception is allowed from those numbers.

RECEIVING A FAX

When a fax is transmitted to the machine, the machine automatically receives and prints the fax.

1

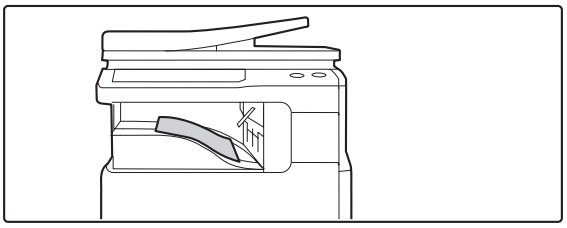


The machine rings and fax reception begins automatically.

A beep sounds when reception ends.

- **System Settings (Administrator): Speaker Settings**
  This is used to change the volume and tone of the reception beep.
- **System Settings (Administrator): Number of Calls in Auto Reception**
  This is used to change the number of rings on which fax reception begins automatically. To receive faxes without the machine ringing, select "0" rings.

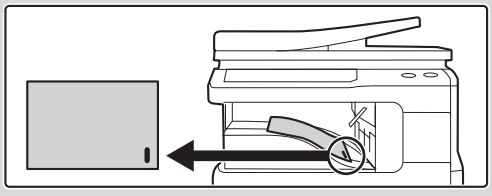
2



The fax is automatically printed.

- **If a password entry screen appears...**
  A password must be entered to print the received fax. When the correct password is entered, the received fax is printed.
  ☞PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print) (page 4-62)
- **Stapling (when a finisher is installed) can be selected.**
  When printing received data, you can specify the number of copies and staple settings.

- If printing of a copy job or print job is in progress when a fax is received, the fax will not be printed until the previously reserved job is completed.
- Received faxes will not be printed when the machine cannot print due to an error condition such as out of paper, out of toner, or a paper misfeed. The faxes will be printed automatically when the error condition is cleared. (If the machine ran out of paper, select the [OK] key in the display after loading paper.
- When received faxes cannot be printed, the faxes can be forwarded to another fax machine.
  ☞FORWARDING RECEIVED FAXES (Fax Data Forward) (page 4-66)
- If stapling is enabled when a finisher is installed, stapling will take place at the position indicated below on the paper.

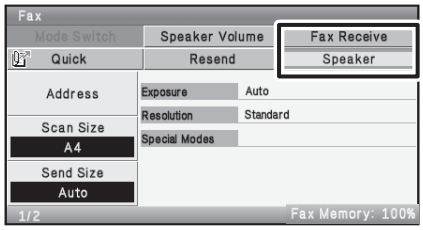


- **System Settings (Administrator): Duplex Reception Setting**
  This is used to have received faxes printed on both sides of the paper.
- **System Settings (Administrator): Receiving Date & Time Print**
  Use this to select whether or not the date and time of reception is added when a received image is printed.

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RECEIVING A FAX MANUALLY

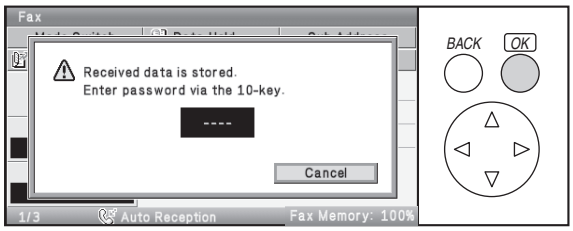
A fax can be received manually using the display. While the machine rings, select the [Speaker] key in the base screen and then select the [Fax Receive] key that appears.



- When a call is answered by selecting the [Speaker] key, you will be able to hear the other party, however, you will not be able to speak.
- Even when you use an extension phone to answer a call, you can select the [Fax Receive] key in the display to begin fax reception. You can also use the extension phone to begin fax reception.
☞RECEIVING A FAX AFTER ANSWERING A CALL ON THE EXTENSION PHONE (Remote Reception) (page 4-119)

PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print)

"Hold Setting for Received Data Print" can be enabled in the system settings (administrator) to have faxes received to memory without being printed. To print the faxes, a password must be entered. When this function is used, a password entry screen appears in the display when a fax is received.



When the previously programmed 4-digit password is entered with the numeric keys, printing begins.
If the [Cancel] key is selected, the password entry screen will close; however, will blink in the display to indicate that there is stored data. To open the password entry screen again, select the [Data Hold] key or change the mode.
When "Received Data Image Check Setting" (Web page only) is enabled in the system settings (administrator), a password can be entered to display the received data list screen. If you wish to check an image before printing it, continue from step 2 on the next page.

- The received faxes will be retained in memory regardless of whether they were received automatically or manually.
- If "Fax Data Receive/Forward" is executed in the system settings to forward received faxes to another machine, faxes retained in memory will also be forwarded. At that time, the same password entry screen as for printing will appear. Forwarding will not take place unless the password is entered.

System Settings (Administrator): Hold Setting for Received Data Print
Enable this setting to have received faxes retained in memory until a password is entered. This setting is also used to program the password.

Contents

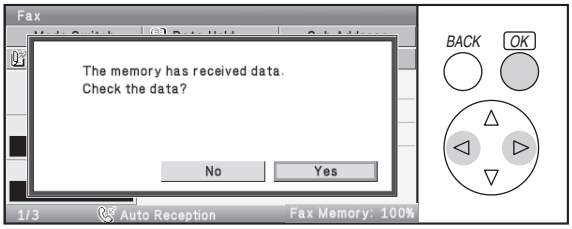
CHECKING THE IMAGE BEFORE PRINTING

When "Received Data Image Check Setting" (Web page only) is enabled* in the system settings (administrator), you can check a received image in the display before printing it out. When this function is enabled, follow the steps below to print a received image.

* The factory default setting is disabled.

Keys in the display can be selected with the arrow keys and the [OK] key.

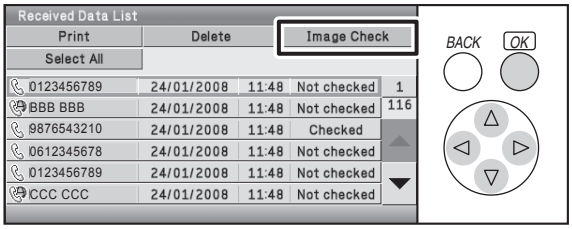
1



When an image is received, a confirmation prompt will appear. Select the [Yes] key.

If this message appears while you are configuring settings of any type and you select the [Yes] key, the settings that you are configuring will be cancelled. If this message appears in another mode, you will return to the base screen of image send mode after checking the image.

2



Select the received image

(1) Select the key of the received image that you want to check.

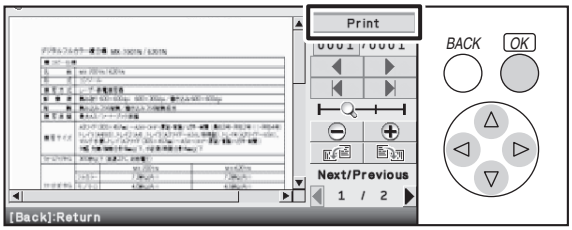
Multiple received images can be checked.

(2) Select the [Image Check] key.

To delete an image that has been selected, select the [Delete] key. To print an image that has been selected, select the [Print] key.

Contents

3



Check the received image and then select the [Print] key.

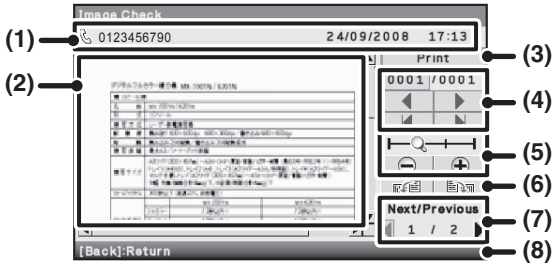
Printing begins.
For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).

If the screen of step 1 appears when you are configuring settings in the setting screens of any of the modes, the configured settings will be cancelled if you view the image. After viewing the image, you will return to the base screen of image send mode, regardless of which mode you were in previously.

System Settings (Administrator): Received Data Image Check Setting (Web page only)
Use this to specify whether or not a received fax can be viewed before it is printed.

IMAGE CHECK SCREEN

This section explains the image check screen.



(1) Information display

This shows information on the displayed image.

(2) Preview image

An image of the selected received image appears.
If the image is cut off, select ▼ ▲ ◀ ▶ at the right and bottom of the image to scroll.

(3) [Print] key

Select to start printing.

(4) Change page keys

When there are multiple pages, use these keys to change pages.

- ⏮ ⏭ keys: Go to the first or the last page.
- ◀ ▶ keys: Go to the previous page or the next page.
- Page number display: This shows the total number of pages and the current page number. You can select the current page number key and enter a number with the numeric keys to go to that page number.

(5) Display zoom key

Use this to set the zoom ratio of the displayed image. The setting applies to all pages in the file, not just the displayed page.

(6) "Display Rotation" key

This rotates the image right or left by 90 degrees. The rotation applies to all pages in the file, not just the displayed page.

(7) Image select key

When multiple images are selected for preview display, use this to change the displayed images.

(8) Guidance display

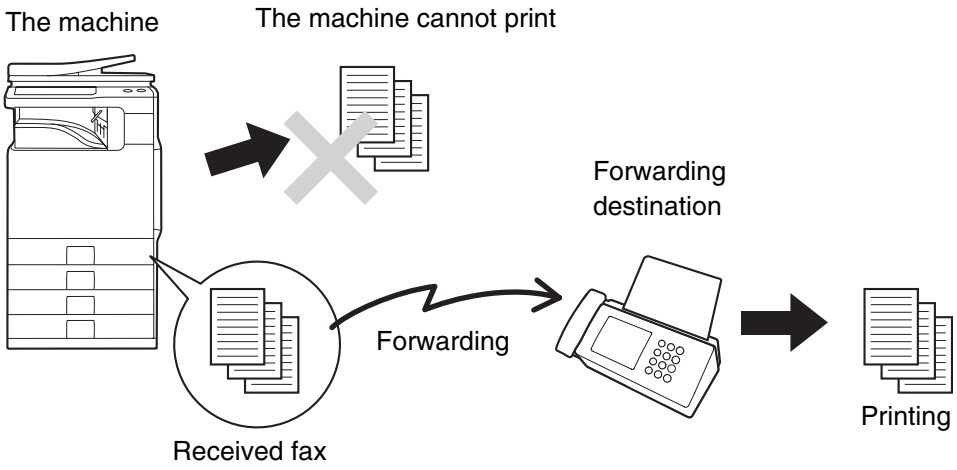
Shows keys that are used when an operation is performed.

A preview image is an image for display on the display. It will differ from the actual print result.

Contents

FORWARDING RECEIVED FAXES (Fax Data Forward)

When the machine cannot print because it is out of paper or out of toner, received faxes can be forwarded to another previously programmed fax machine.
This function is convenient in an office or work area that has two or more telephone lines and another fax machine is connected to a different line than the machine.



Forwarding of received faxes is executed in the system settings of the machine. Press the [SYSTEM SETTINGS] key on the operation panel to display the system setting menu screen in the display. Select [Fax Data Receive/Forward] - [Fax Settings], and then select the key that executes received fax forwarding.

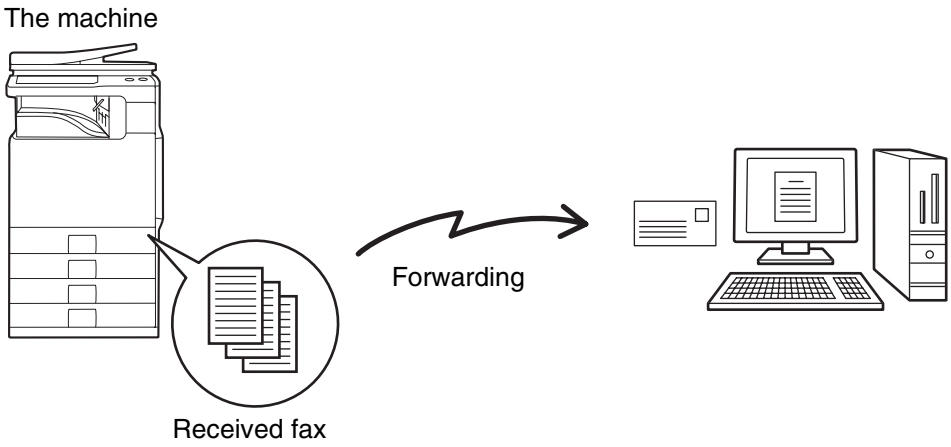
- If some pages of a fax that is being forwarded were successfully printed, only those pages that were not printed will be forwarded.
- A forwarded fax becomes a fax transmission job. If transmission does not take place because the transmission was cancelled or an error occurred, the fax will be held in memory until it can be printed.
- Faxes received to an F-code confidential memory box cannot be forwarded.
- If a password entry screen appears after selecting the [OK] key, "Hold Setting for Received Data Print" has been enabled. Enter the password with the numeric keys to begin forwarding.
☞PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print) (page 4-62)

- **System Settings: Fax Data Receive/Forward (page 6-16)**
Use this to forward received faxes when the machine is unable to print.
- **System Settings (Administrator): Set the Telephone Number for Data Forwarding**
This is used to store the forwarding fax number.

Contents

FORWARDING RECEIVED FAXES TO A NETWORK ADDRESS (Inbound Routing Settings)

You can have received faxes automatically forwarded to an e-mail address, file server address, desktop address, or network folder address. This function can be used to forward received faxes to a specified address without printing them.

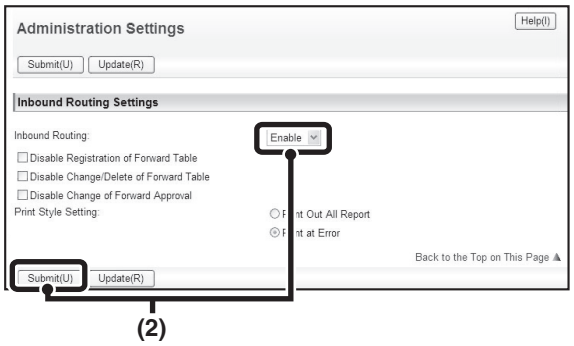


- This function cannot be used for faxes received by confidential reception.
- When faxes forwarded using this function are printed at the forwarding destination, the date and time of reception cannot be printed on the faxes. ("Receiving Date & Time Print" is disabled.)

CONFIGURING INBOUND ROUTING SETTINGS

All inbound routing settings are configured in the Web pages. For the procedure for accessing the Web pages, see the Quick Start Guide.
The following explanation assumes that the Web pages have been accessed with administrator rights.
To configure inbound routing settings, follow the steps below.

1



Enabling the inbound routing function.

(1) In the Web page menu, click [Application Settings], [Inbound Routing Settings], and then [Administration Settings].

(2) Select [Enable] in "Inbound Routing" and click the [Submit] button.

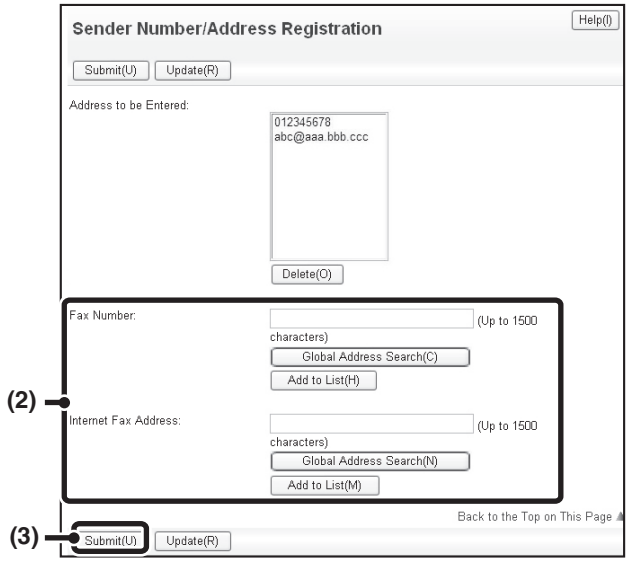
Users without administrator rights can be prohibited from storing, editing, and deleting forwarding tables in this screen, and from specifying which table is used. To do so, select the checkboxes below ☑.

- Disable Registration of Forward Table
- Disable Change/Delete of Forward Table
- Disable Change of Forward Approval

When inbound routing is enabled, you can also specify whether or not you wish the machine to print the forwarded faxes.
To have all received faxes printed before being forwarded, select "Print Out All Report" in "Print Style Setting". To have received faxes printed only when an error prevents forwarding, select "Print at Error".
After configuring the settings, be sure to click the [Submit] button.

Contents

2



Storing sender addresses.

If you wish to have only faxes from specified addresses forwarded, store the desired sender addresses. Sender addresses stored here can be selected from a list when you store a forwarding table.

(1) Click [Sender Number/Address Registration] in the [Inbound Routing Settings] menu in the Web page.

(2) Enter the sender address in "Internet Fax Address" or "Fax Number" as appropriate, and click the [Add to List] button.

The entered address will be added to the "Address to be Entered" list.

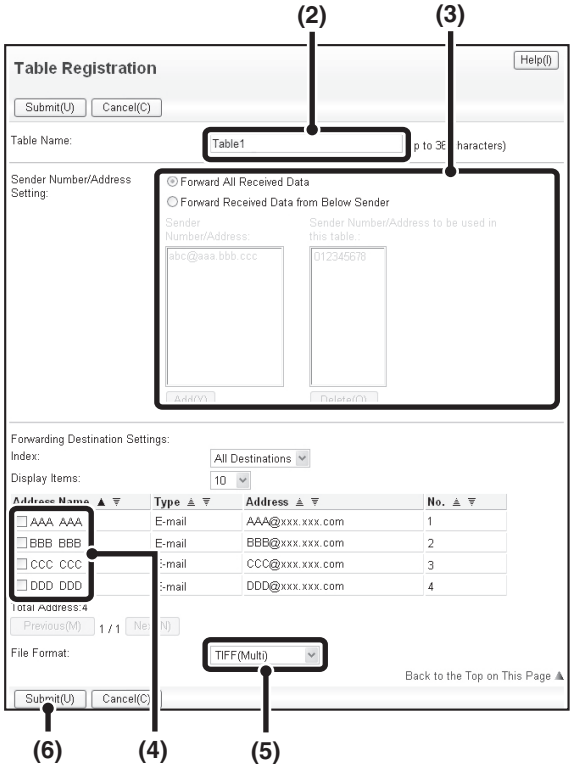
- Specify whether the address will be directly entered (maximum of 1500 characters) or selected from a global address book by clicking the [Global Address Search] button.
- To store multiple addresses, repeat this step.

(3) When you have finished adding addresses, click the [Submit] button.

- A maximum of 500 sender numbers/addresses can be stored.
- To delete an entered address, select the address in "Address to be Entered" and click the [Delete] button.

Contents

3



Store a forwarding table.

Follow the steps below to store a forwarding table that combines a specified sender and forwarding address.

(1) Click [Inbound Routing Settings] in the Web page menu and click the [Add] button.

(2) Enter a "Table Name".

(3) Select the sender whose faxes will be forwarded.

- To forward all received faxes, select [Forward All Received Data].
- To forward faxes received from a specific sender only, select [Forward Received Data from Below Sender], select the sender from the list, and then click the [Add] button.

(4) Select the forwarding address.

Forwarding addresses can be selected from the machine's address book. (Multiple addresses can be selected.) A maximum of 1000 forwarding addresses can be stored (a combined maximum of 100 file server, desktop, and network folder addresses can be stored).

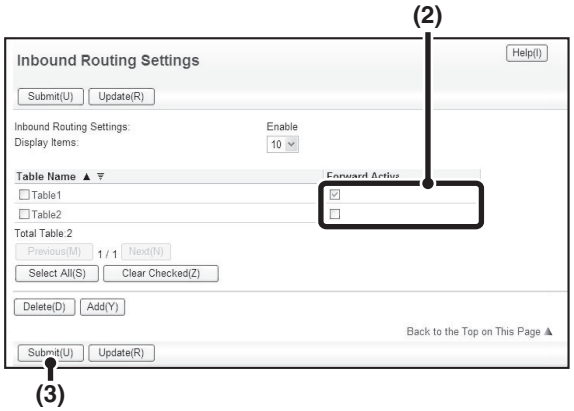
(5) Select the file format.

A file format can be set for each forwarding table.

(6) Click [Submit].

- When selecting senders from the "Sender Number/Address Setting" list, you can use the [Shift] key or the [Ctrl] key on your keyboard to select multiple senders.
- A maximum of 50 forwarding tables can be stored.
- If you wish to select a group of addresses for the forwarding destination, you can only select a group that contains e-mail addresses only.
- Images sent in TIFF format may not display correctly in some recipient environments. In this event, change the file format to PDF.

4



Specifying forwarding tables to be used.

To use the inbound routing function, enable the forwarding tables that you wish to use from among the stored tables.

(1) Click [Inbound Routing Settings] in the Web page menu.

(2) Select the "Forward Activated" checkbox ☑ of each forwarding table that you wish to use.

(3) Click [Submit].

To delete a forwarding table, click the checkbox next to the table name so that it is selected ☑ and click [Delete].

Contents

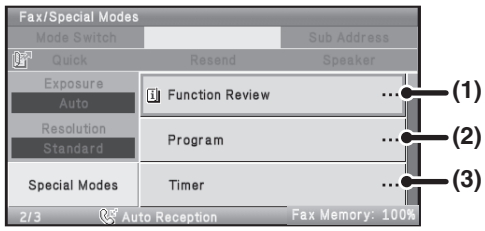
SPECIAL MODES

This section explains special modes that can be used for fax transmission.

SPECIAL MODES

When the [Special Modes] key is selected in the base screen, the special modes menu screen appears. The special modes menu consists of five screens. Press the ▽△ key to switch between the five screens. When the [Basic Menu] key is selected in the special modes screen, the selected settings are entered and the base screen reappears.

1st screen



(1) [Function Review] key*1

Select this to check the special mode settings.

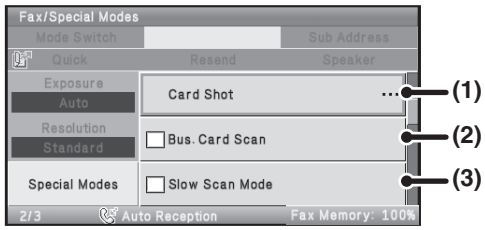
(2) [Program] key

☞ STORING FAX OPERATIONS (Program) (page 4-72)

(3) [Timer] key

☞ SENDING A FAX AT A SPECIFIED TIME (Timer) (page 4-75)

2nd screen



(1) [Card Shot] key

☞ SENDING BOTH SIDES OF A CARD AS A SINGLE PAGE (Card Shot) (page 4-77)

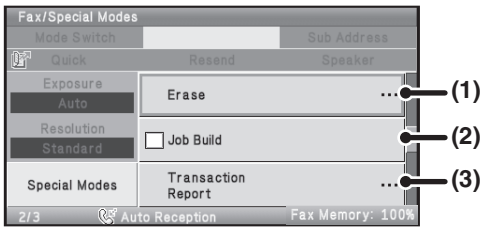
(2) [Bus. Card Scan] checkbox*2

☞ SENDING BUSINESS CARDS (Business Card Scan) (page 4-80)

(3) [Slow Scan Mode] checkbox

☞ FAXING THIN ORIGINALS (Slow Scan Mode) (page 4-81)

3rd screen



(1) [Erase] key

☞ ERASING PERIPHERAL SHADOWS ON THE IMAGE (Erase) (page 4-83)

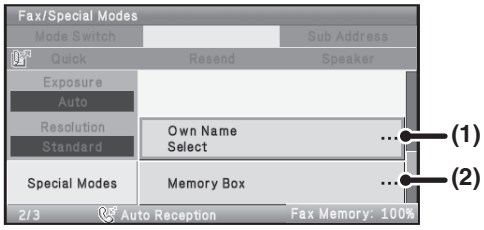
(2) [Job Build] checkbox

☞ SENDING A LARGE NUMBER OF PAGES (Job Build) (page 4-86)

(3) [Transaction Report] key

☞ CHANGING THE PRINT SETTINGS FOR THE TRANSACTION REPORT (Transaction Report) (page 4-88)

4th screen



(1) [Own Name Select] key

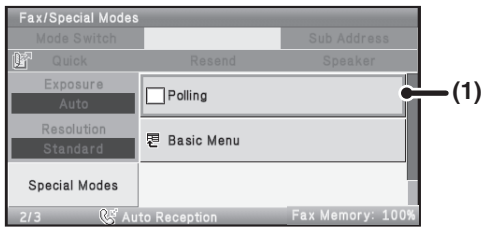
☞ TEMPORARILY CHANGING THE SENDER INFORMATION (Own Name Select) (page 4-91)

(2) [Memory Box] key

☞ SENDING A FAX WHEN ANOTHER MACHINE POLLS YOUR MACHINE (Polling Memory) (page 4-95)

Contents

5th screen



(1) [Polling] checkbox

☞ CALLING A FAX MACHINE AND INITIATING RECEPTION (Polling) (page 4-92)

*1 This cannot be selected when a special mode has not been enabled.

*2 The optional business card feeder must be attached and "Business Card Scan Option" must be enabled in the system settings (administrator).

Special modes can generally be combined with other special modes, however, there are some combinations that are not possible. If a prohibited combination is selected, a message will appear in the display.

STORING FAX OPERATIONS (Program)

A program is a group of transmission settings stored together. When transmission settings are stored in a program, the settings can be retrieved and used for a fax job by means of a simple operation.
For example, suppose that the same A4 (8-1/2" x 11") size documents are distributed to branch offices in various regions once a month.

(1) The same documents are faxed to each branch office
(2) Smudges on the edges of the documents are erased before transmission

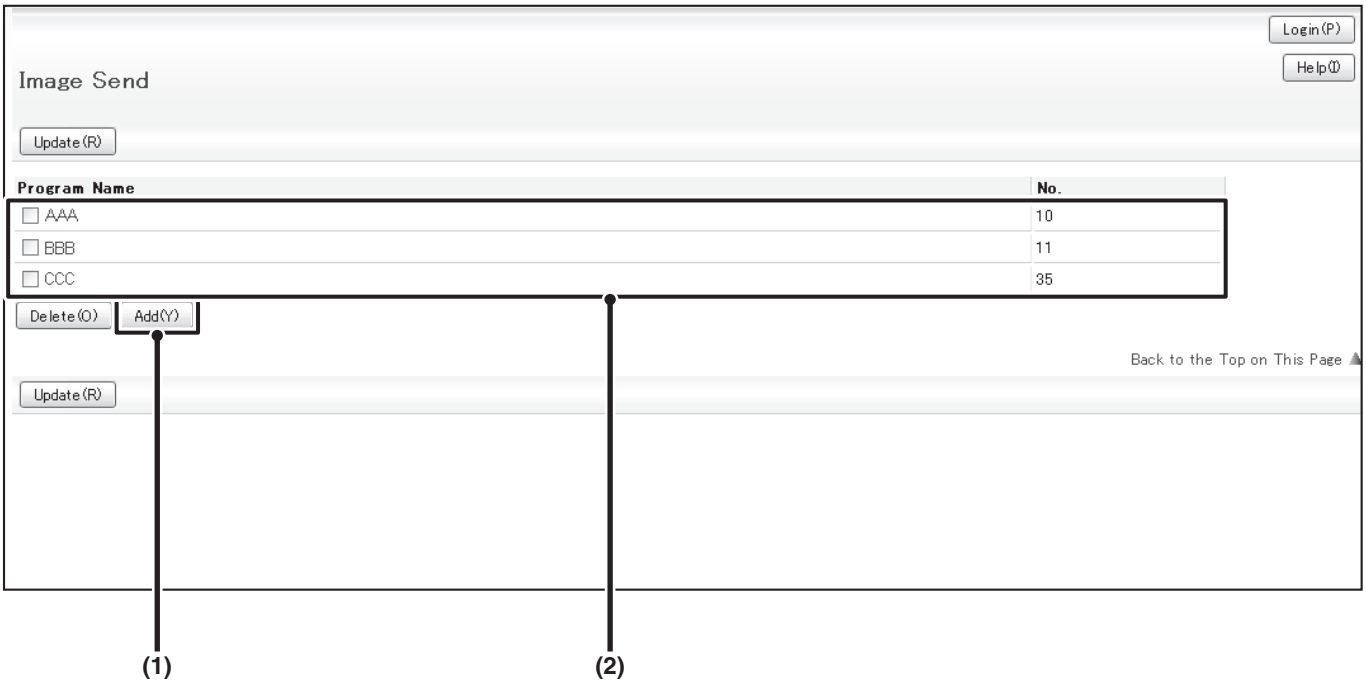
When a job program is not stored	When a job program is stored
Enter the fax numbers of the branch offices. ↓ Select erase settings. ↓ Press the [BLACK & WHITE START] key. The originals are scanned and transmitted.	Retrieve the stored program. ↓ Press the [BLACK & WHITE START] key. The originals are scanned and transmitted.
Considerable time is required to send the documents each month because the above settings must be selected. In addition, mistakes may occasionally be made when selecting the settings, so incorrect transmissions may occur.	When a program is stored, settings are selected with ease by simply pressing the program key. In addition, transmission takes place based on the stored settings so there are no chances for mistakes.

Job Programs

If you frequently use the same settings and/or functions to transmit to the same destination or destinations, the settings and destinations can be stored in a program. This allows the settings and destinations to be selected by simply selecting the program.

Storing a program

Programs can be stored, edited, and deleted in [Job Program] > [Image Send] in the Web page menu.



Contents

(1) [Add] key
Use this to add a new program.

(2) List display
This displays a list of the currently stored programs. A program can be selected to open an edit/delete screen for the program.

Select the [Add] key in the above screen to open a registration screen. Up to 48 programs can be stored.
For more information, see "Settings" (page 4-73).

- A timer setting cannot be included in a program.
- At least one one-touch key must be specified in a program or the program cannot be stored.
- Programs can also be stored using the Web pages. Click [Job Programs] and then [Image Send] in the Web page menu.
- The settings stored in a program will be retained even after the program is used for transmission. The same settings can be used repeatedly for transmission.
- The following settings can be stored in programs.
  - Destinations: One-touch keys, group keys, search numbers
  - Image settings: Original scan size, original orientation, duplex scanning, exposure, resolution
  - Special modes: Polling reception, Erase, Job Build, Slow Scan Mode, Business Card Scan
  - F-code communication: A destination that includes an F-code can be stored to perform an F-code operation.
- Up to 500 destinations can be stored in each program.

Editing and deleting job programs

A program can be selected from the list in the above screen to open an edit screen for the program.
To delete the program, select the checkbox ☑ next to the program name and then select [Delete].
For more information, see the following table.

Settings

Item	Description
Program Number	Set the number to be assigned to the program. The lowest available number is automatically entered. To change the number, enter a number from 01 to 48. A number that has already been stored cannot be used.
Program Name	Enter a maximum of 36 characters for the program name.
Condition Settings	This shows setting screens for each mode.
Mode Switch	Select the mode that you wish to use (Internet Fax, scan, copy, etc.). The display will change to the base screen of the selected mode.
Mode Settings	Frequently used settings can be stored in the same way as when they are selected for a mode.
Address Setting	This shows the setting screen for addresses. Select the address(es) to be used in the program from the address book. Up to 500 destinations can be stored in one program.

Using a program to send

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original in the document feeder tray or on the document glass as appropriate for the functions stored in the program.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

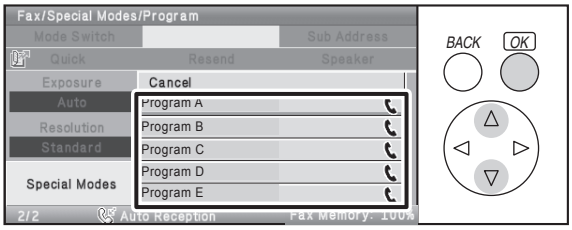
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Program] key.

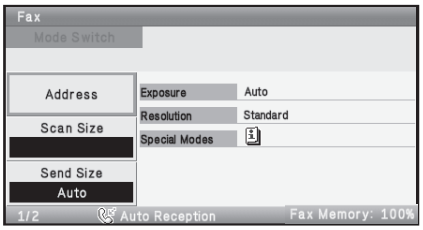
☞ SPECIAL MODES (page 4-70)

3 Retrieve the stored program.



Select the desired program key.

4 Select additional settings.



When a program is used, the following settings can be additionally specified:

- Image settings: Original scan size*, send size
- Special modes: Timer Transmission, Card Shot, Own Name Select, Transaction Report, Business Card Scan

* When stored in the program, this cannot be additionally specified.

- The screen that appears will vary depending on the destination stored in the program.
- The mode cannot be changed here.
- Functions stored in the program cannot be cancelled here.

5 Press the [BLACK & WHITE START] key.

Scanning begins.

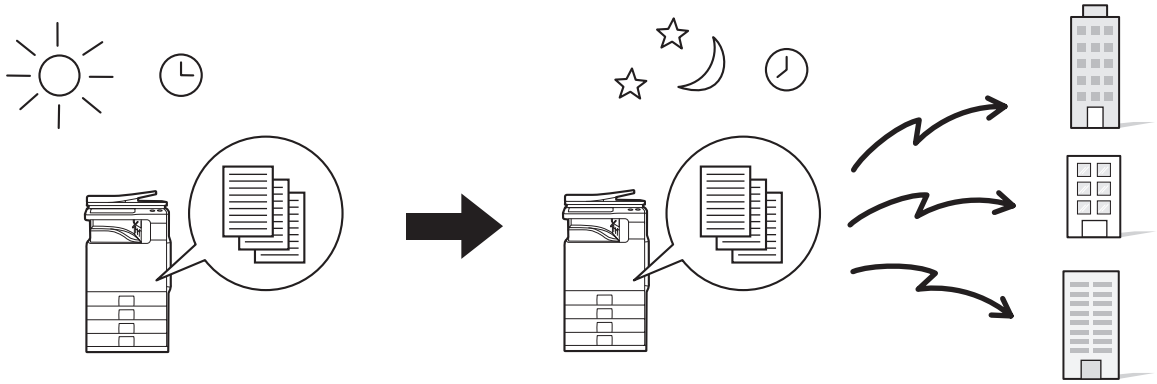
- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key (⊗).

Contents

SENDING A FAX AT A SPECIFIED TIME (Timer)

When this function is used, transmission takes place automatically at a specified time.
The timer transmission function makes it easy to perform reserved transmissions, broadcast transmissions and other transmissions at night or other times when phone rates are low.
A timer setting can also be specified for polling reception to receive a fax when you are not present.



During the day, set up a broadcast transmission to take place at 20:00

At 20:00, the broadcast transmission begins automatically (Transmission to the first destination takes place)

- When a timer transmission is set, keep the main power switch "on". Transmission will not take place if the main power is turned off at the specified time.
- When performing a timer transmission, you must scan the original into memory when you set up the transmission. It is not possible to leave the document in the auto document feeder or on the document glass and have it scanned at the reserved time of transmission.
- Settings selected for a timer transmission (exposure, resolution, special modes, etc.) are automatically cleared after the transmission is finished.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2 Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

3 Select the special modes.

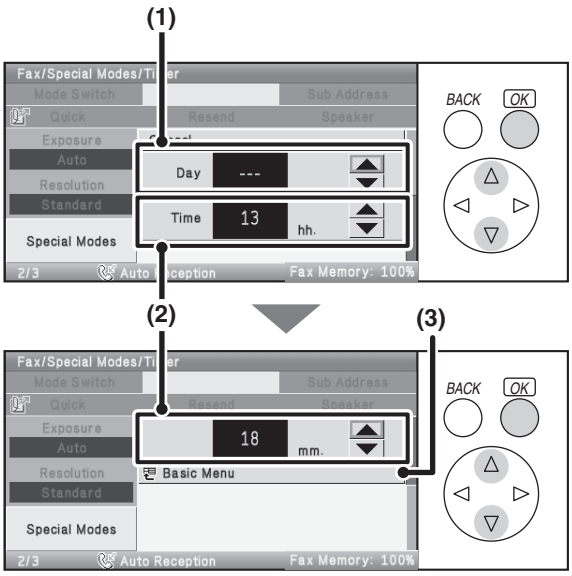
(1) Select the [Special Modes] key.

(2) Select the [Timer] key.

☞ SPECIAL MODES (page 4-70)

Contents

4



Set the time with the ▼ ▲ keys.

(1) Specify the day.

If you do not wish to specify a day, select [---]. In this case, transmission will begin when the time specified in (2) arrives.

(2) Specify the time (hour, minute)

Select the time in 24-hour format.
You can also select a numeric display key to change the setting with the numeric keys.

(3) Select the [Basic Menu] key.

When this screen is opened, the setting will show the current time. If the time is not correct, press the [CLEAR ALL] key (CA) to cancel the operation. Correct the time in the system settings and then perform the timer transmission procedure.

☞ CHECKING THE DATE AND TIME (page 4-6)

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

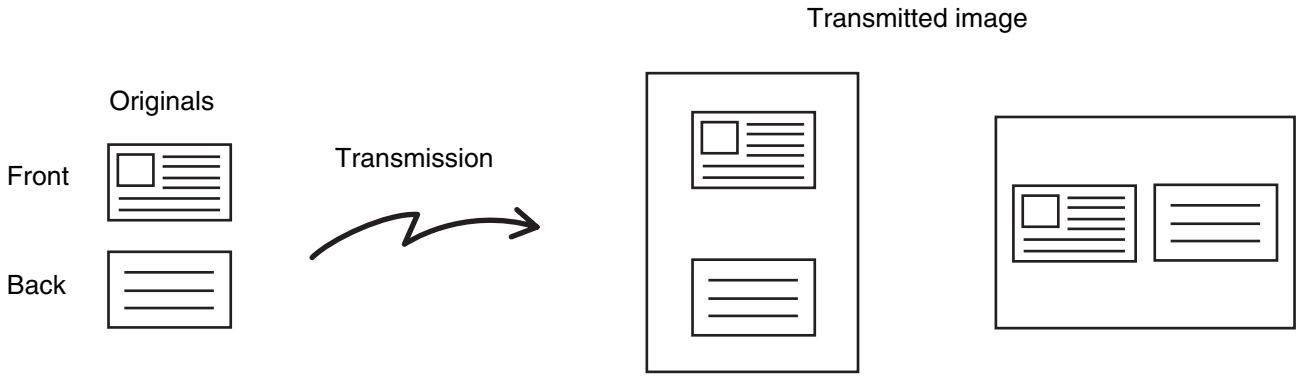
- The time can be specified up to a week in advance.
- Up to 94 timer transmissions can be stored at once.
- Only one timer polling operation can be stored at once. If you wish to poll multiple machines, store a serial polling timer operation.
- If another transmission is in progress when the specified time arrives, the timer operation will begin after that transmission is finished.
- Other operations can be performed after a timer transmission is set up.
- This function cannot be used in direct transmission mode or when the speaker is used to dial.
- If a timer transmission is given priority in the job status screen, the time specification is cancelled. The transmission will begin as soon as the job in progress is completed.
  ☞GIVING PRIORITY TO A RESERVED FAX JOB (page 4-128)

To cancel timer transmission...
Select the [Cancel] key in the screen of step 4.

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SENDING BOTH SIDES OF A CARD AS A SINGLE PAGE (Card Shot)

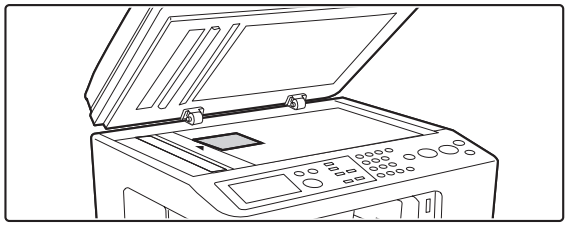
This function lets you send the front and reverse sides of a card as a single page, without the need to send each side separately.



When using card shot, the original must be scanned on the document glass.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the original face down on the document glass.

2 **Enter the destination fax number.**

☞ ENTERING DESTINATIONS (page 4-20)

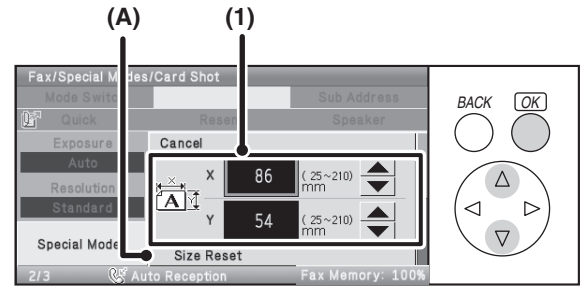
3 **Select the special modes.**

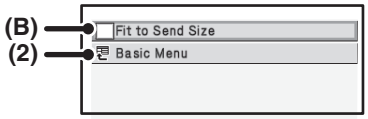
(1) Select the [Special Modes] key.

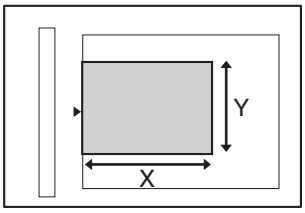
(2) Select the [Card Shot] key.

☞ SPECIAL MODES (page 4-70)

4







Specify the original size.

(1) Enter the original size.

- Select the X (width) numeric value display key and enter the width.
- Select the Y (height) numeric value display key and enter the height.

(A) To return the original size to the default size, select the [Size Reset] key.

(B) To have the image automatically enlarged or reduced to the send size, select the [Fit to Send Size] checkbox ☑. The checkbox does not need to be selected if you wish to scan at the entered original size.

(2) Select the [Basic Menu] key.

- You can also select the ▼ ▲ keys to change the number.
- The send size is automatically selected based on the original size you entered.
- After selecting card scan, you can change the scan size and the send size from the [Scan Size] key and [Send Size] key in the base screen. In this case, the screen of this step will appear in the scan size setting screen. For the procedure for setting the send size, see "Specifying the send size of the original" (page 4-55).

5

Press the [BLACK & WHITE START] key to scan the front of the card.

To cancel scanning...
Press the [STOP] key (⊗).

6

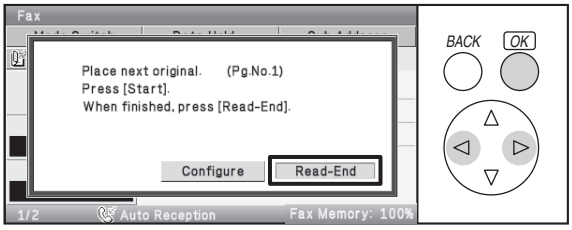
Turn the card over so that the back is face down, and press the [BLACK & WHITE START] key to scan the back of the card.

Before scanning the back of the card, you can select the [Configure] key in the display to change the exposure.

To cancel scanning...
Press the [STOP] key (⊗).

Contents

7



Select the [Read-End] key.

If you will continue scanning additional cards, you can select the [Configure] key to change the exposure, resolution, scan size, and send size.

- The ratio cannot be specified and "Rotation Sending Setting" cannot be selected.
- This function cannot be used in direct transmission mode or when the speaker is used to dial.

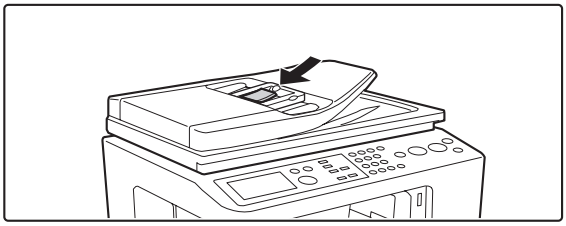
To cancel Card Shot...
Select the [Cancel] key in the screen of step 4.

Contents

SENDING BUSINESS CARDS (Business Card Scan)

Multiple business cards can be scanned and transmitted at once.
To use this function, the business card feeder must be attached to the automatic document feeder and "Business Card Scan Option" must be enabled in the system settings (administrator). For the attachment procedure, see "BUSINESS CARD FEEDER" in "BEFORE USING THE MACHINE" (page 1-55).

Keys in the display can be selected with the arrow keys and the [OK] key.

1 

Load the business cards.

2 **Enter the destination fax number.**

☞ ENTERING DESTINATIONS (page 4-20)

3 **Select the special modes.**

(1) Select the [Special Modes] key.

(2) Select the [Bus. Card Scan] key.

Read the message that appears and then press the [OK] key.

☞ SPECIAL MODES (page 4-70)

4 **Press the [BLACK & WHITE START] key.**

Scanning begins. A beep will sound to indicate that scanning is finished.

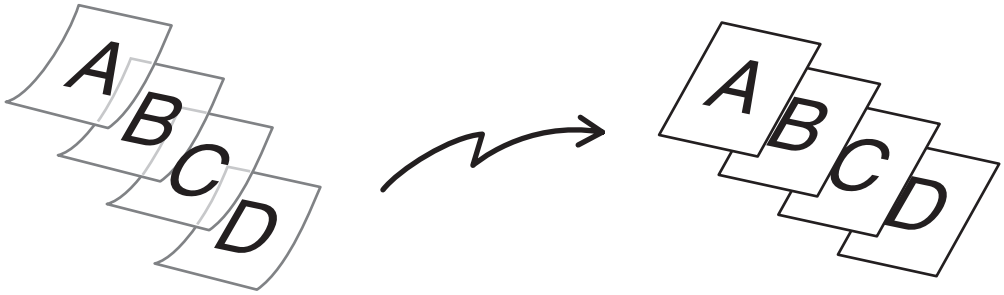
To cancel scanning...
Press the [STOP] key ( ).

This function cannot be used when the scan size is specified by numerical values.

System Settings (Administrator): Business Card Scan Option
Specify whether or not the business card scan function is used.

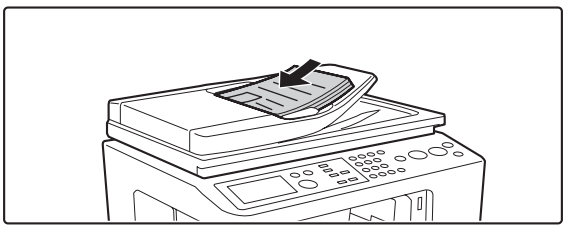
FAXING THIN ORIGINALS (Slow Scan Mode)

Use this function when you wish to scan thin originals using the automatic document feeder. This function helps prevent thin originals from misfeeding.



Keys in the display can be selected with the arrow keys and the [OK] key.

1



Insert the originals face up in the document feeder tray.

Adjust the document guides slowly.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

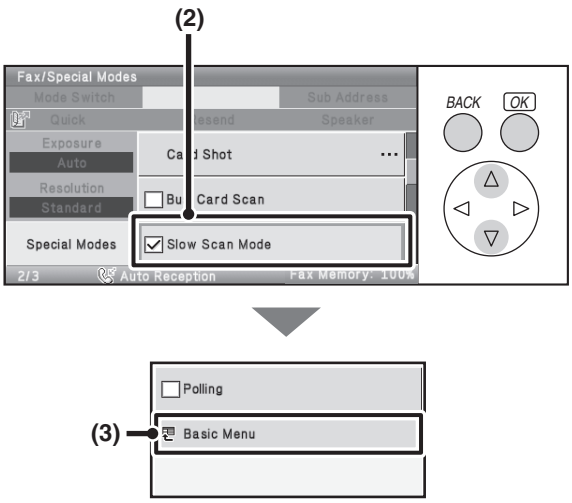
If the originals are inserted with too much force, they may crumple and misfeed.

2

Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

3



Select slow scan mode.

(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 4-70)

(2) Set the [Slow Scan Mode] checkbox to ☑.

(3) Select the [Basic Menu] key.

Contents

4 **Press the [BLACK & WHITE START] key.**

Scanning begins. A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key ( ).

When this function is selected, automatic 2-sided scanning is not possible.

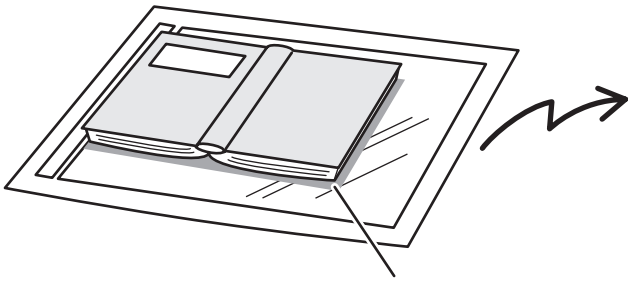
To cancel slow scan mode...
Set the [Slow Scan Mode] checkbox to ☐ in the screen of step 3.

System Settings (Administrator): Original Feeding Mode (Web page only)
This is used to have scanning always take place using slow scan mode.

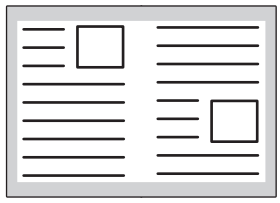
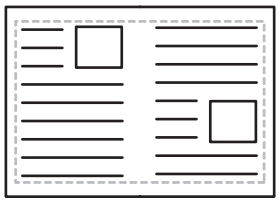
ERASING PERIPHERAL SHADOWS ON THE IMAGE (Erase)

The erase function is used to erase shadows on images produced when scanning thick originals or books. (This function does not detect shadows and will eliminate everything appearing in the erase area - including shadows, text and images.)

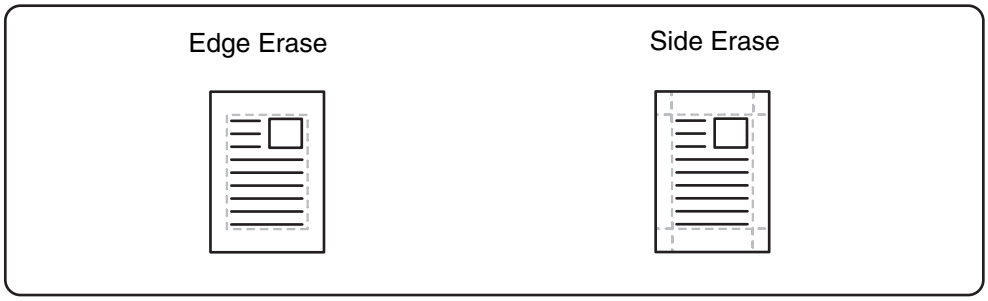
Scanning a thick book



Shadows appear here.

Not using the erase function	Using the erase function
	
Shadows appear in the image.	No shadows appear.

Erase modes



Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2 Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

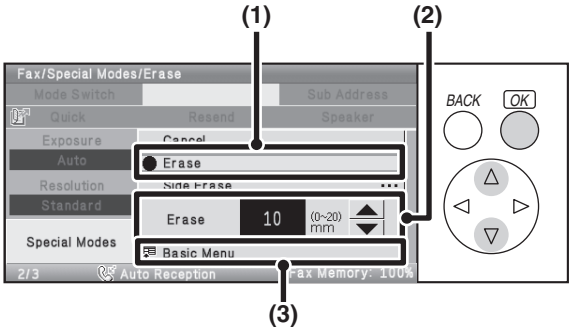
3 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Erase] key.

☞ SPECIAL MODES (page 4-70)

Select the erase settings.



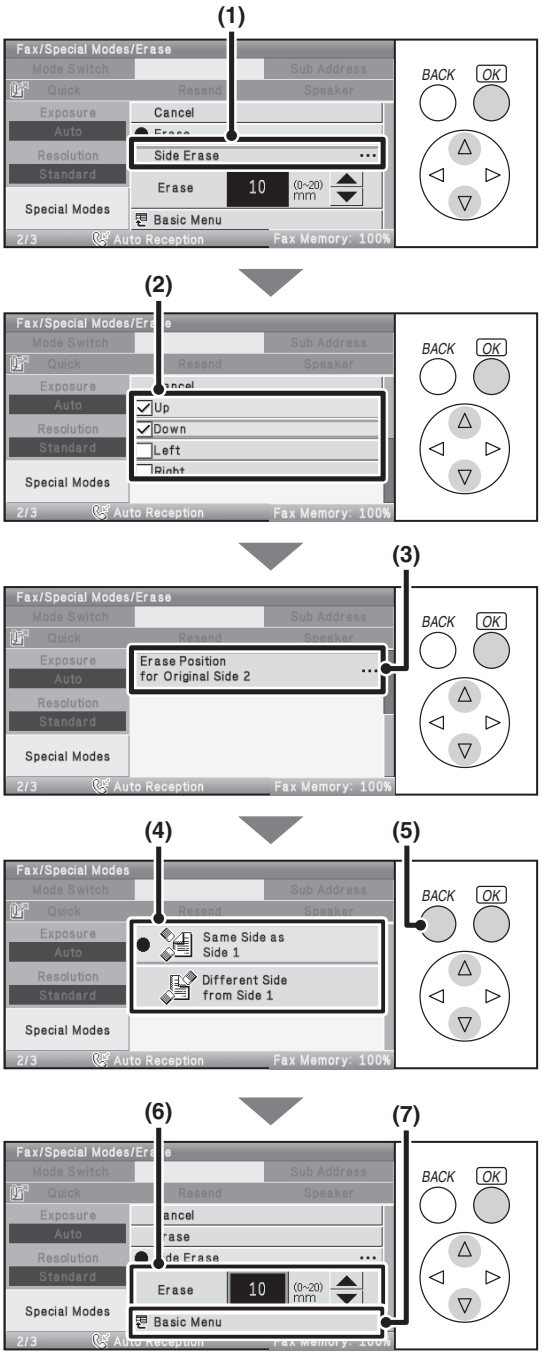
● **When [Erase] is selected**

(1) Select the [Erase] key.

(2) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(3) Select the [Basic Menu] key.



● **When [Side Erase] is selected**

(1) Select the [Side Erase] key.

(2) Set the sides to be erased.

Select the checkboxes ☑ of the sides that you wish to erase.

(3) Select the [Erase Position for Original Side 2] key.

(4) Set the erase edge on the reverse side.

When performing two-sided scanning, set the erase edge on the reverse side.

- If you select the [Same Side as Side 1] key, the edge in the same position as on the front side will be erased.
- If you select the [Different Side from Side 1], the edge in the position opposite to the erased edge on the front side will be erased.

(5) Press the [BACK] key.

(6) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(7) Select the [Basic Menu] key.

Contents

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key ( ).

When the erase function is used, erase takes place at the edges of the original image. If you also use a reduction or an enlargement setting, the erase width will change according to the selected ratio. For example, if the erase width setting is 20 mm (1") and the image is reduced to 50%, the erase width will be 10 mm (1/2").

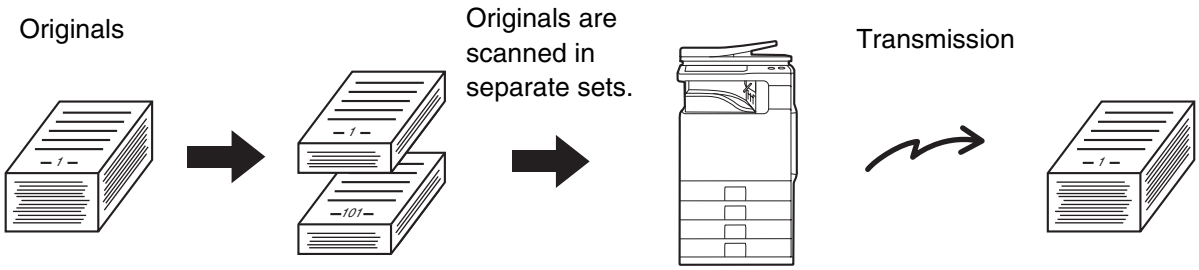
To cancel an erase setting...
Select the [Cancel] key in the screen of step 4.

System Settings (Administrator): Erase Width Adjustment
The default erase width setting is linked to the copy mode system setting, and can be set from 0 mm to 20 mm (0" to 1"). The factory default setting is 10 mm (1/2").

Contents

SENDING A LARGE NUMBER OF PAGES (Job Build)

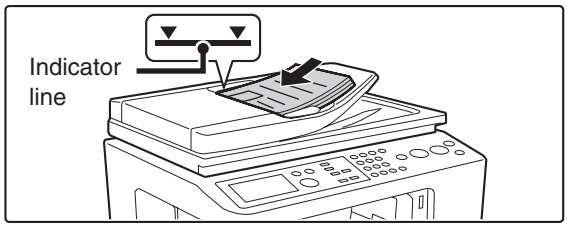
This function lets you separate an original consisting of numerous pages into sets, scan each set using the automatic document feeder, and transmit the pages in a single transmission. Use this function when there are more original pages than can be placed at once in the auto document feeder.
When scanning originals that are separated into sets, scan the set that has the first page first. The settings that you select for the first set can be used for all remaining sets.



Up to 999 pages can be scanned. Note that when the memory is being used for other jobs, fewer pages can be scanned.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Insert the originals face up in the document feeder tray.

Insert the originals all the way into the document feeder tray.
Multiple originals can be placed in the document feeder tray.
The stack of originals must not be higher than the indicator line on the tray.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

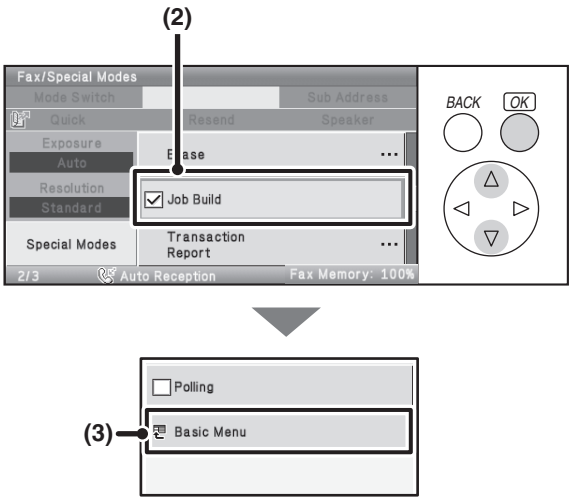
2

Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

Contents

3



Select job build mode.

(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 4-70)

(2) Set the [Job Build] checkbox to ☑.

(3) Select the [Basic Menu] key.

4

Press the [BLACK & WHITE START] key to scan the first set.

To cancel scanning...
Press the [STOP] key (⊗).

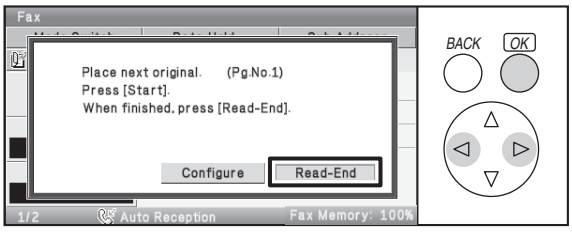
5

Insert the next set of originals and press the [BLACK & WHITE START] key.

Repeat this step until all originals have been scanned.

To cancel scanning...
Press the [STOP] key (⊗). All scanned data will be cleared.

6



Select the [Read-End] key.

- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- The [Configure] key can be selected to change the exposure, resolution, scan size, and send size for each original page scanned.

- If the memory becomes full during scanning, a message will appear and the transmission will be cancelled.
- This function cannot be used in direct transmission mode or when the speaker is used to dial.

To cancel Job Build....
Set the [Job Build] checkbox to ☐ in the screen of step 3.

Contents

CHANGING THE PRINT SETTINGS FOR THE TRANSACTION REPORT (Transaction Report)

A transaction report is automatically printed out to alert you when a transmission fails or when a broadcast transmission is performed. The transaction report contains a description of the transmission (date, start time, name of other party, time required, number of pages, result, etc.).

☞ INFORMATION APPEARING IN THE RESULT COLUMN (page 4-130)

Transaction reports are printed based on conditions set in the system settings; however, you can temporarily select different conditions for a transmission. To change the transaction report print conditions at the time of transmission, follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2 Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

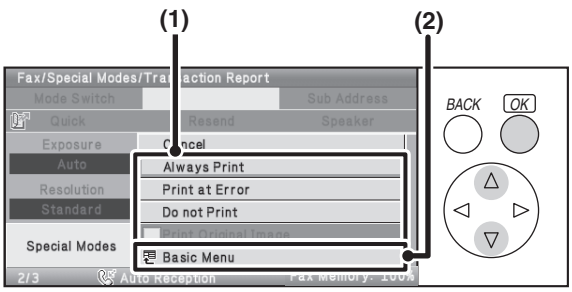
3 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Transaction Report] key.

☞ SPECIAL MODES (page 4-70)

4 Select print conditions.



(1) Select the print conditions.

(2) Select the [Basic Menu] key.

- The print conditions for a transaction report are as follows:
  "Always Print": A transaction report is printed no matter whether the transmission succeeds or fails.
  "Print at Error": A transaction report is printed when transmission fails.
  "Do not Print": Do not print a transaction report.
- When the [Print Original Image] checkbox is selected ☑, part of the transmitted original is included on the transaction report.
- Even if the [Print Original Image] checkbox is selected ☑, the original cannot be printed when speaker dialling, direct transmission, polling reception, or F-code transmission is used.

Contents

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

For a broadcast transmission, changes to the transaction report print conditions apply to all destinations.

To cancel the transaction report setting...
Select the [Cancel] key in the screen of step 4.

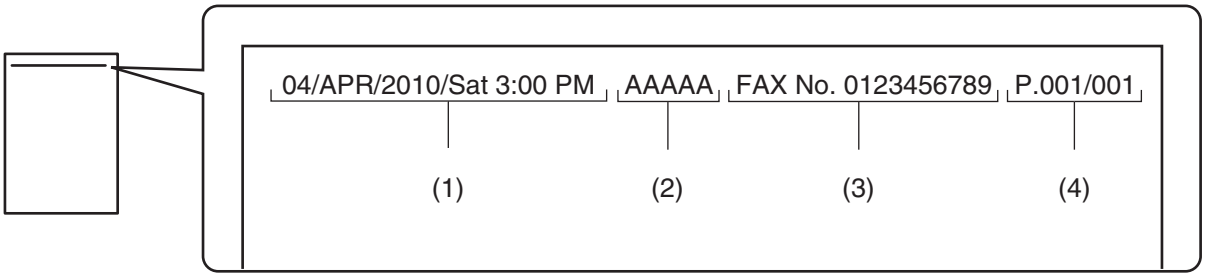
- **System Settings (Administrator): Transaction Report Print Select Setting (Web page only)**
  This is used to set the conditions for printing transaction reports.
  The factory default setting is [ ].
  Single Sending: Print Out All Report/[Print Out Error Report Only]/No Printed Report
  Broadcasting: [Print Out All Report]/Print Out Error Report Only/No Printed Report
  Receiving: Print Out All Report/Print Out Error Report Only/[No Printed Report]
  Confidential Reception (fax mode): [Print Out Notice Page]/No Printed Report
- **System Settings (Administrator): Original Print on Transaction Report (Web page only)**
  This is used to have part of the transmitted original printed on the transaction report.

Contents

ADDING YOUR SENDER INFORMATION TO FAXES (Own number sending)

Your sender information (date, time, sender name, sender fax number, number of pages) is automatically added to the top of each fax page you transmit.

Example of the sender information printed



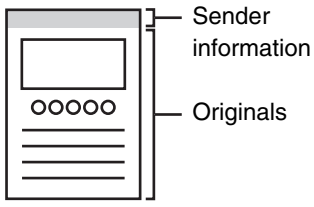
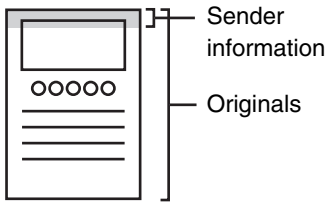
(1) Date, time: The date and time of transmission.
(2) Sender name: The sender name programmed in the machine.
(3) Sender fax number: The sender fax number programmed in the machine.
(4) Page numbers: Page number / total pages (the total page number is only printed when the fax is sent by memory transmission.)

Information programmed in Own Number Sending

Date, time:	Adjust the setting in "Clock Adjust" in the system settings.
Sender name, sender fax number:	Program the sender name and fax number in "Sender Data Registration" in the system settings (administrator). If you intend to use own number sending, be sure to configure this information.
Page numbers:	Select whether or not to include page numbers in "Printing Page Number at Receiver" (Web page only) in the system settings (administrator). Page numbers appear in the format "page number / total pages". Only the page number is printed when manual transmission or quick online transmission is used.

System Settings (Administrator): Date/Own Number Print Position Setting

This is used to set the position where the sender information is printed. The sender information can be printed outside the scanned original image or inside the scanned original image.

Outside scanned image (factory default setting)	Inside scanned image
	
The transmitted image length will be: length of sender information + length of original image. When the fax is printed by the receiving machine, it may be reduced or divided onto two pages.	The sender information is printed inside the original image, and thus the transmitted image length is the length of the original. Note that the sender information will overlap part of the original image (the overlapped part of the original image will not appear).

Contents

TEMPORARILY CHANGING THE SENDER INFORMATION (Own Name Select)

You can select the sender information printed on a transmitted fax from a list of stored senders.

Keys in the display can be selected with the arrow keys and the [OK] key.

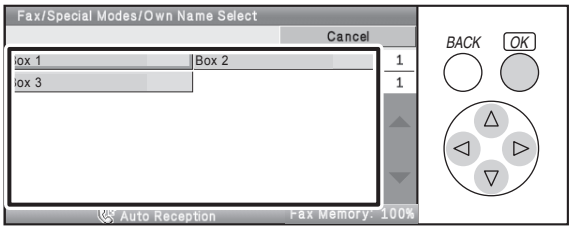
1 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Own Name Select] key.

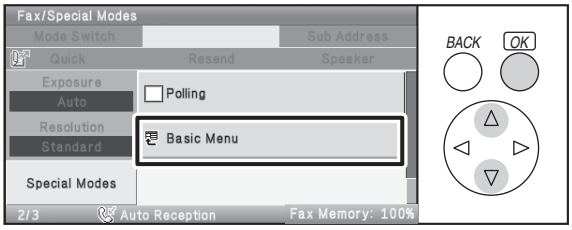
☞ SPECIAL MODES (page 4-70)

2 Select the sender information.



Select the desired sender information key.

3 Select the [Basic Menu] key.

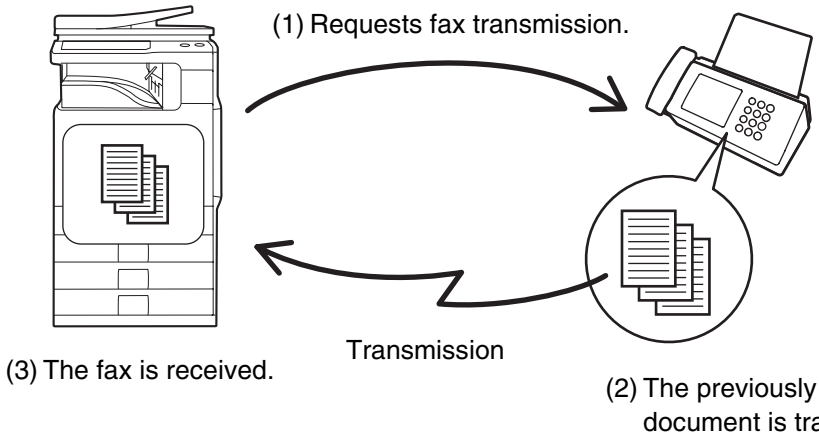


System Settings (Administrator): Registration of Own Name Select

This is used to store sender information for Own Name Select.

CALLING A FAX MACHINE AND INITIATING RECEPTION (Polling)

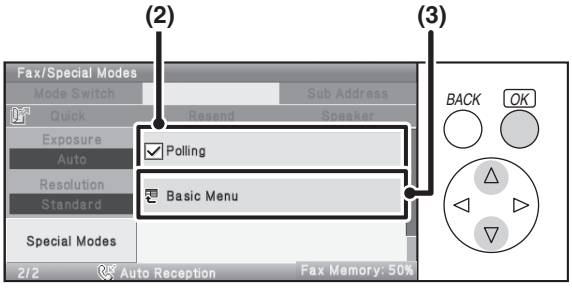
The Polling function allows the receiving machine to call the transmitting machine and initiate reception of a document in that machine.
Because the receiving machine initiates reception of a document, this is called "Polling Reception".



Make sure that an original is not placed in the machine when using the polling reception function.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select polling reception.

(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 4-70)

(2) Set the [Polling] checkbox to ☑.

(3) Select the [Basic Menu] key.

2

Enter the destination fax number.

☞ ENTERING DESTINATIONS (page 4-20)

- **Multiple fax numbers can be entered.**
  Polling will take place in the order that the numbers were entered.
  Polling multiple machines is called "Serial Polling".
  Up to 500 fax numbers can be entered. In this procedure, one-touch keys that have a sub-address and passcode cannot be used.
- To enter multiple fax numbers, select the [Next Address] key after entering a fax number and enter the next fax number.

Contents

3 Press the [BLACK & WHITE START] key.

Your machine will call the other machine and initiate reception of the fax.

- Polling reception can be used in combination with the timer function to poll at any specified time, such as at night or when you are not present (Only one timer polling reception can be set.).
- This function can only be used when the other machine is Super G3 or G3 compatible and has a polling function.
- The receiving machine bears the expense (phone charges) of the polling reception.

To cancel polling reception...

Set the [Polling] checkbox to ☐ in the screen of step 1.

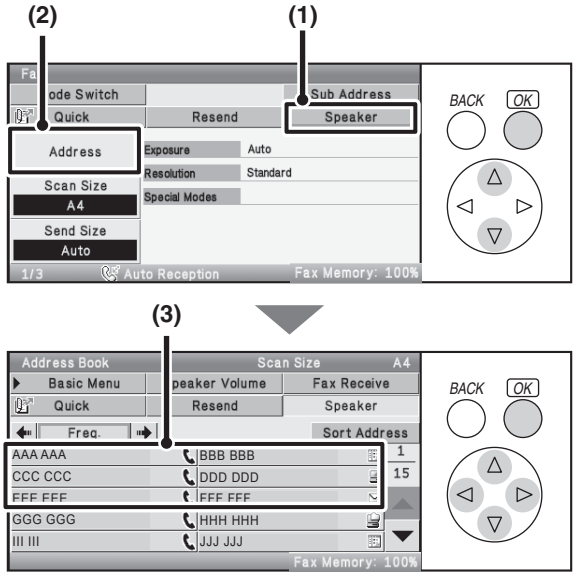
INITIATING POLLING RECEPTION MANUALLY

Use this procedure when you must start polling after listening to a recorded greeting, such as when using a fax information service.

- Make sure that an original is not placed in the machine when using the polling reception function.
- This function cannot be used to poll multiple machines (serial polling).

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Enter the destination fax number.

(1) Select the [Speaker] key.

You will hear the dial tone through the machine's speaker.

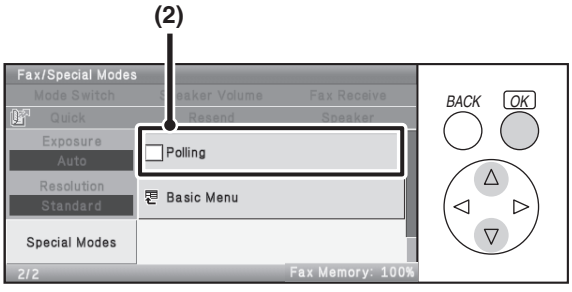
(2) Select the [Address] key in the base screen.

(3) Select the one-touch key of the desired destination.

A group key cannot be used.

- In addition to specification by one-touch key, a destination can also be specified using a search number. You can also directly enter a fax number with the numeric keys or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 4-20).
- After selecting the [Speaker] key, you can select the [Speaker Volume] key to adjust the volume of the speaker. The speaker volume changes each time the [Speaker Volume] key is selected. Adjust the volume to the desired level.

2



Receive the fax.

(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 4-70)

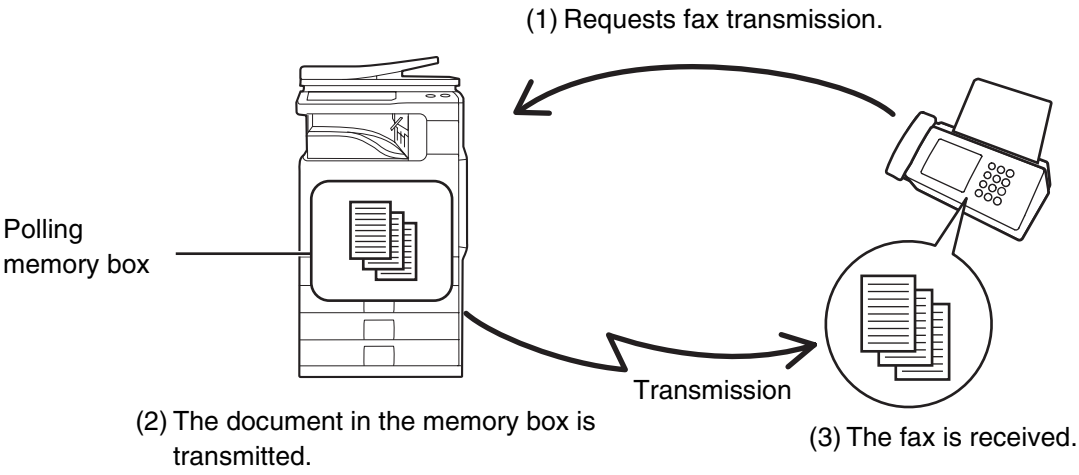
(2) When you hear the fax tone, select the [Polling] key.

The fax is received.

- This function can only be used when the other machine is Super G3 or G3 compatible and has a polling function.
- The receiving machine bears the expense (phone charges) of the polling reception.

SENDING A FAX WHEN ANOTHER MACHINE POLLS YOUR MACHINE (Polling Memory)

Sending a document that has been scanned into memory when another machine polls your machine is called "Polling Memory".
Prior to polling, the document that will be faxed to the other machine must be scanned into a polling memory box.
This function can only be used when the other machine is Super G3 or G3 compatible and has a polling function.



RESTRICTING POLLING ACCESS (Polling security)

To only allow specified machines to poll your machine, you can restrict polling to machines whose programmed sender fax number matches a fax number stored in your machine as a polling passcode number. This is called "Polling Security".
To use this function, first store polling passcode numbers (the sender fax numbers programmed in the other machines) in the machine's system settings, and then enable polling security.

Up to 10 fax numbers can be stored as polling passcode numbers.

System Settings (Administrator): Fax Polling Security
This is used to enable polling security. This is used to store fax numbers as polling passcode numbers.

Contents

SCANNING A DOCUMENT INTO POLLING MEMORY

Follow these steps to scan a document into the memory box for polling transmission (Public Box).

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

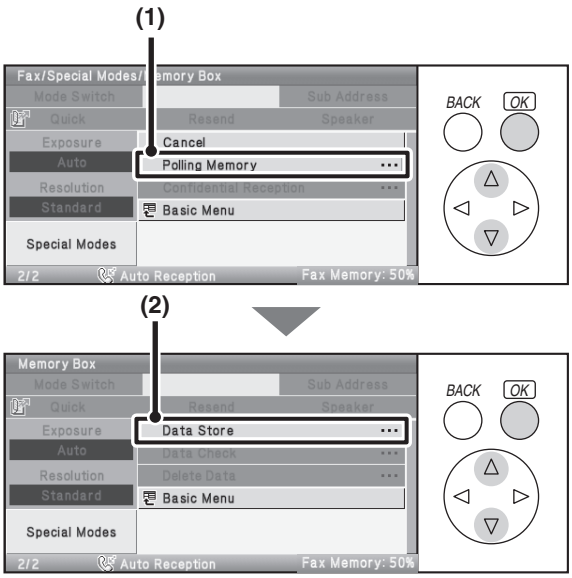
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

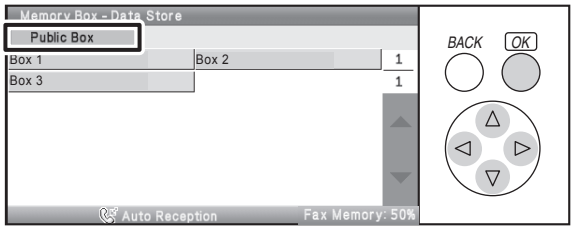
3 Select the [Data Store] key.



(1) Select the [Polling Memory] key.

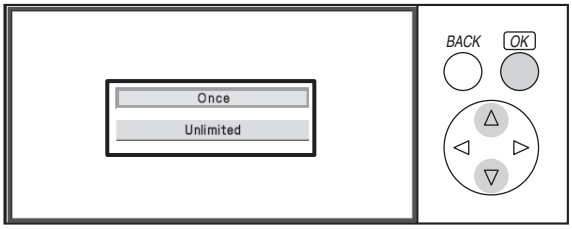
(2) Select the [Data Store] key.

4 Select the [Public Box] key.



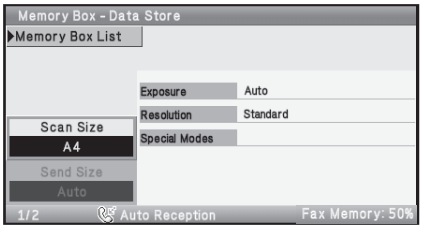
Contents

5 Specify the number of polling times.



Select the desired number of times.
Select the [Once] key if you want the document cleared from memory after it is transmitted. Select the [Unlimited] key to allow polling an unlimited number of times.

6 Select image settings and special modes.



- A program, timer setting, transaction report and polling cannot be selected.
- To return to the screen of step 4, select the [Memory Box List] key.

7 Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning...
Press the [STOP] key ( ) while the original is being scanned.

If another document remains in the memory box (Public Box), the newly scanned document is added to the previous document. In this case, the number of polling times will be the number set for the newly scanned document.

Contents

CHECKING THE DOCUMENT IN THE PUBLIC BOX

You can check the document stored in the machine's public box for memory polling.

Keys in the display can be selected with the arrow keys and the [OK] key.

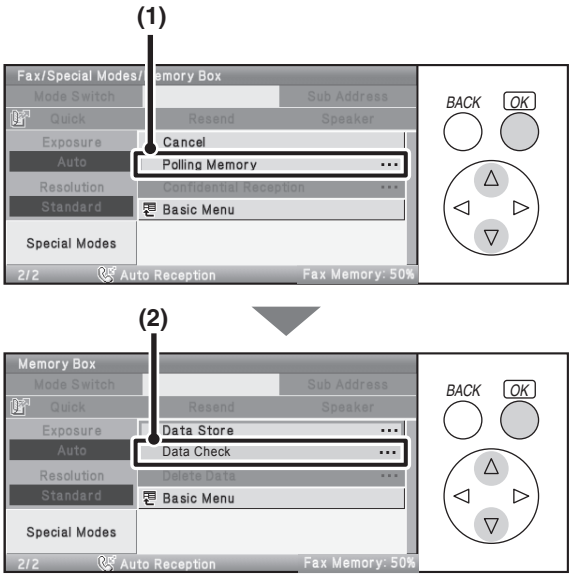
1 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

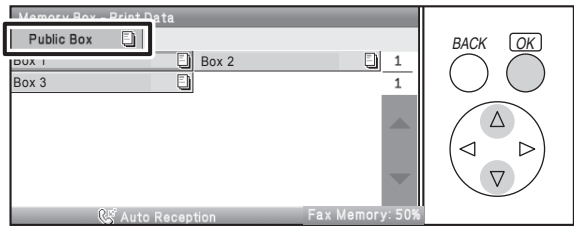
2 Select the [Data Check] key.



(1) Select the [Polling Memory] key.

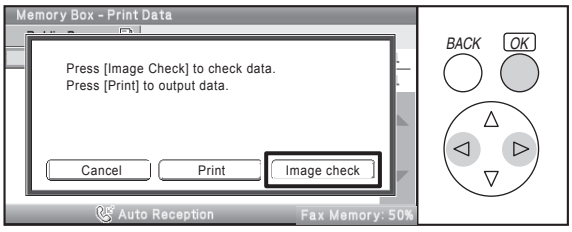
(2) Select the [Data Check] key.

3 Select the [Public Box] key.



When nothing is stored in the Public Box, the [Public Box] key will be greyed out.

4 Select the [Image Check] key.



The content of the document can be viewed in the image check screen. For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).

To print the document, select the [Print] key.

Contents

DELETING A DOCUMENT FROM THE PUBLIC BOX

Delete a document from the Public Box when it is no longer needed.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

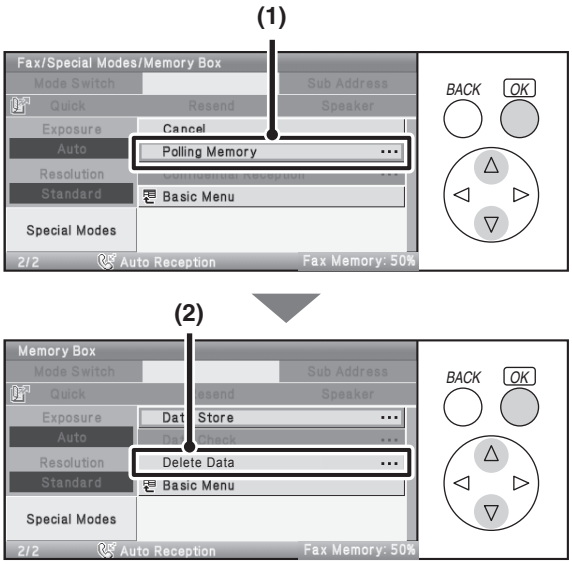
Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

2

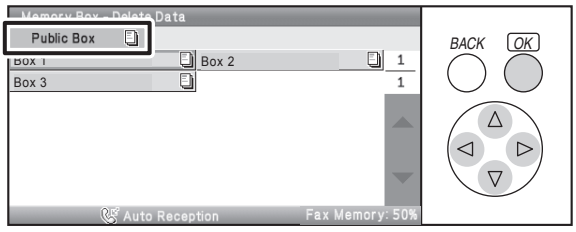


Select the [Delete Data] key.

(1) Select the [Polling Memory] key.

(2) Select the [Delete Data] key.

3

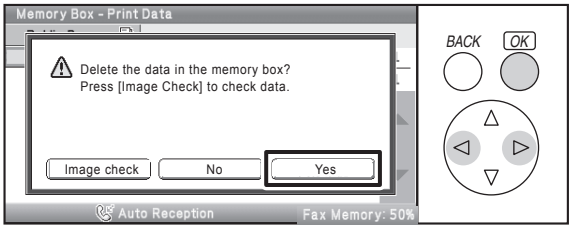


Select the [Public Box] key.

When nothing is stored in the Public Box, the [Public Box] key will be greyed out.

Contents

4



Select the [Yes] key.

- The document is deleted and you return to the screen of step 3.
- You can select the [Image Check] key to check the image in the display before deleting it. For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).

To cancel the deletion...

Select the [No] key. You will return to the screen of step 3.

Contents

PERFORMING F-CODE COMMUNICATION

This section explains how to perform F-code communication operations. F-code communication is possible with machines of other manufacturers that also support F-code communication.

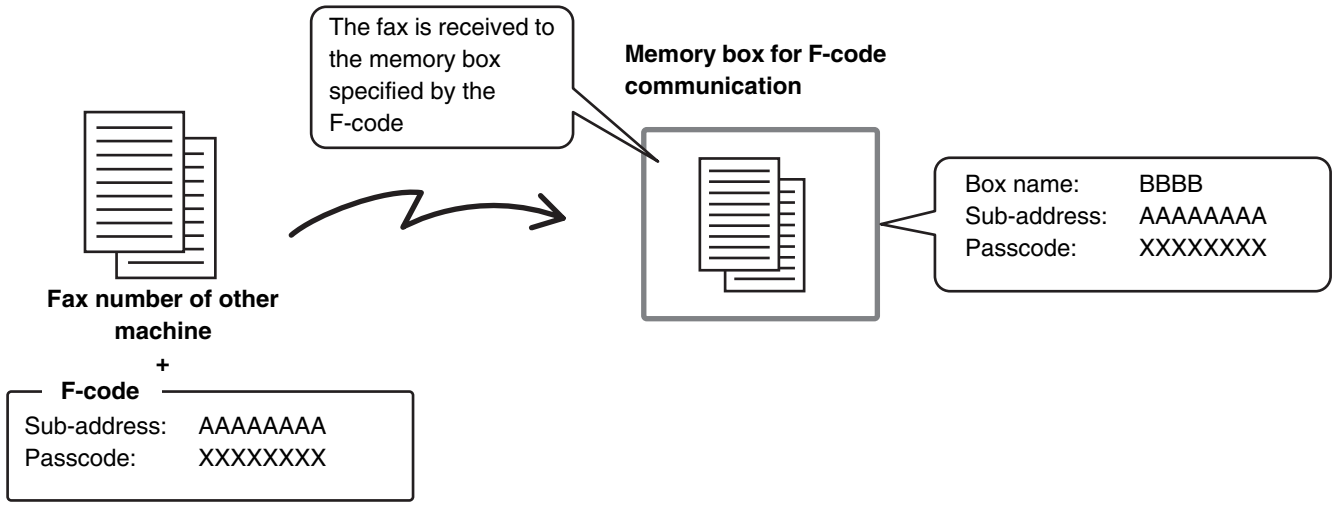
F-CODE COMMUNICATION

Exchange of confidential documents (confidential communication), retrieval (polling) and distribution (polling memory) of information, and distribution of information to multiple destinations (relay broadcast transmission) are possible with other machines that support F-code communication.
An F-code* is specified in each communication, enabling a higher level of security.
* F-code is a communication function based on the G3 standard of the ITU-T.

The ITU-T is a United Nations organization that establishes communications standards. It is a department of the International Telecommunication Union (ITU), which coordinates global telecommunications networks and services.

HOW F-CODES WORK

A fax that is transmitted with an F-code is received to the memory box in the receiving machine specified by the F-code (sub-address and passcode). If the F-code sent by the transmitting machine does not match the F-code in the receiving machine, reception will not take place.



The products of other manufacturers may use different terms for "sub-address" and "passcode". If you need to contact the operator of another machine regarding sub-addresses and passcodes, refer to the terms used by the ITU-T in the table below.

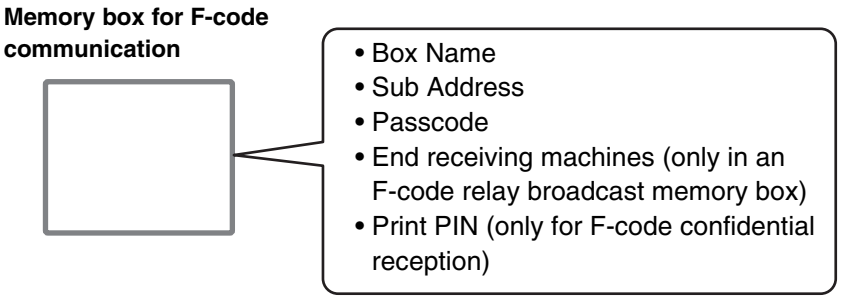
The machine	ITU-T		
	F-code polling memory box	F-code confidential box	F-code relay broadcast memory box
Sub Address	SEP	SUB	SUB
Passcode	PWD	SID	SID

An F-code consists of a sub-address and passcode, and cannot be longer than 20 digits.

Contents

CREATING MEMORY BOXES IN THE MACHINE FOR F-CODE COMMUNICATION

Before the F-code communication function can be used, special memory boxes must be created using "F-Code Memory Box" (Web page only) in the system settings.
A box name and F-code (sub-address and passcode) are programmed in each box, and an F-code communication function is assigned to each box.
After you have created a memory box, inform the other party of the sub-address and passcode of the box.

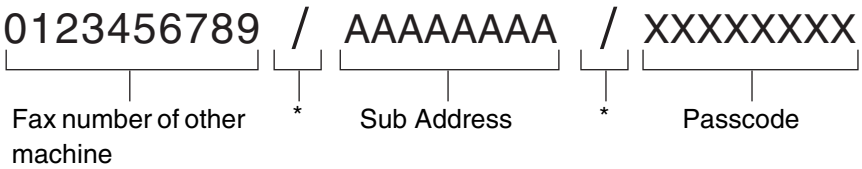


To use the following F-code communication functions, F-code memory boxes must be created in your machine:
F-code confidential reception, F-code polling memory, F-code relay broadcast transmission
To use the following F-code communication functions, F-code memory boxes must be created in the other machine:
F-code confidential transmission, F-code polling reception, F-code relay request transmission

System Settings: F-Code Memory Box (page 6-108) (Web page only)
This is used to configure memory boxes for F-code communication.
- Up to 100 memory boxes can be created.
- The memory box name cannot be longer than 18 characters, and the sub-address and passcode cannot be longer than 20 digits.

F-CODE DIALLING

When performing an F-code operation, the F-code (sub-address and passcode) is appended to the fax number that is dialled. Check the F-code (sub-address and passcode) programmed in the memory box in the other machine before you perform an F-code transmission. It is convenient to store an F-code together with the fax number in a one-touch key or group key.



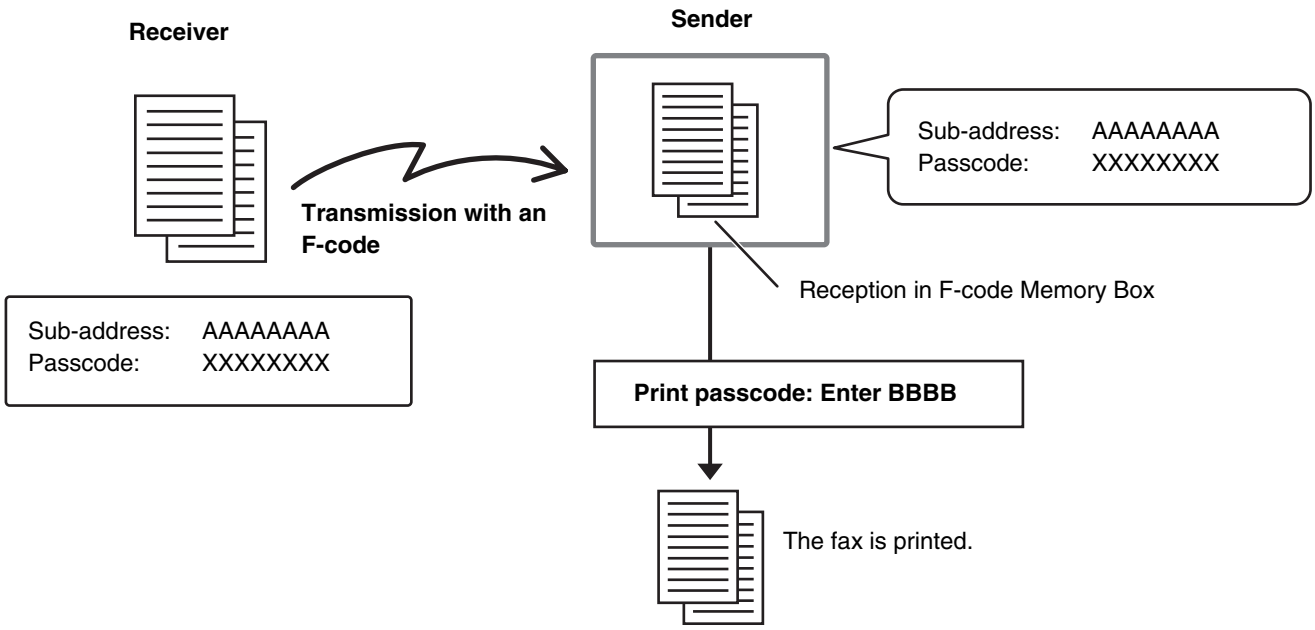
* Select the [Sub Address] key in the screen to enter "/".

When the following F-code functions are used, your machine dials the other machine:
F-code confidential transmission, F-code polling reception, F-code relay request transmission
When the following F-code functions are used, the other machine dials your machine:
F-code confidential reception, F-code polling memory, F-code relay broadcast transmission

- If the destination machine does not have a passcode configured in the F-code, do not enter a passcode when dialling that machine.
- F-code communication cannot be performed when using the speaker or performing manual transmission.
- ADDRESS BOOK (page 4-14)
  This is used to store and edit one-touch keys and group keys.
  Store in [Address Book] in the Web page menu.

CONFIDENTIAL COMMUNICATION USING F-CODES

By sending a fax to an F-code memory box (confidential) in the receiving machine (your machine or the other machine), the sender can direct the transmission specifically to the user of the box.
This is convenient for sending sensitive documents that you do not wish people other than the recipient to see, or when the receiving machine is shared by multiple departments.
To print an F-code confidential fax, the print passcode must be entered.



The F-code (sub-address and passcode) of the memory box to be used should be verified by the sender and the recipient before the fax is sent.

System Settings: F-Code Memory Box (page 6-108) (Web page only)
This is used to create memory boxes for F-code confidential communication (confidential reception).
A memory box name, sub-address, passcode, and print passcode are programmed in each box.

Contents

F-CODE CONFIDENTIAL TRANSMISSION

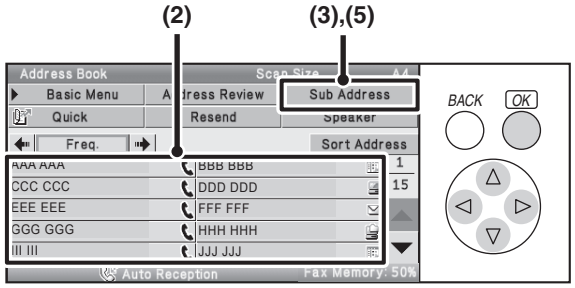
Follow the steps below to send a confidential fax by adding an F-code to the fax number.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

If the destination is not stored in the address book, enter the fax number with the numeric keys.

If the sub-address and passcode are stored in the one-touch key, the following sub-steps are not necessary. Go to step 3.

(3) Select the [Sub Address] key.

"/" appears.

(4) Enter the sub-address with the numeric keys.

(5) Select the [Sub Address] key.

"/" appears.

(6) Enter the passcode with the numeric keys.

If a passcode has been omitted in the memory box of the other machine, (5) and (6) are not necessary.

3 Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

This function can be used in combination with a broadcast transmission or timer transmission. This function can also be stored in a program.

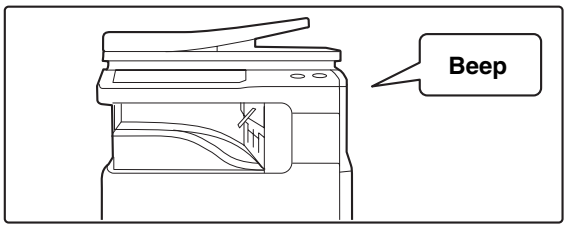
Contents

CHECKING FAXES RECEIVED BY F-CODE CONFIDENTIAL RECEPTION

When an F-code confidential fax is sent to your machine, the fax is received to the memory box specified by the F-code. To check received faxes, enter the print passcode.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



The machine rings and the fax is received.

A beep sounds when reception ends.

2

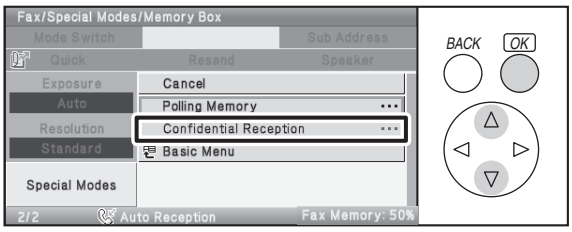
Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

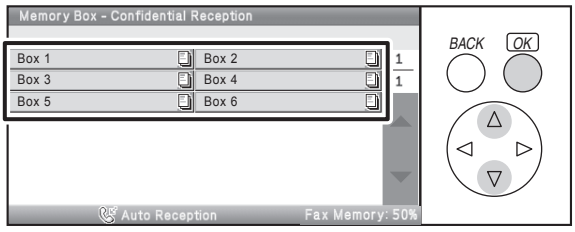
☞ SPECIAL MODES (page 4-70)

3



Select the [Confidential Reception] key.

4

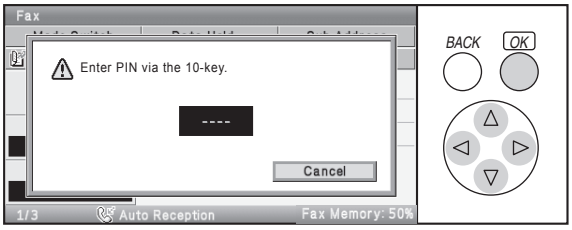


Select the memory box containing the confidential fax.

"" appears in the keys of memory boxes that have received faxes. The keys of memory boxes that have not received faxes are greyed out and cannot be selected.

Contents

5

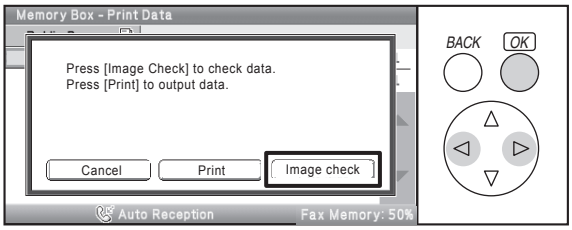


Enter the print passcode with the numeric keys.

As each digit is entered, "–" changes to "∗".

Take care to enter the correct print passcode. If you make a mistake, a message will appear and you will return to the entry screen. You can select the [Cancel] key to return to step 4.

6



Select the [Image Check] key.

The content of the document can be viewed in the image check screen. For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).
To print the document, select the [Print] key.

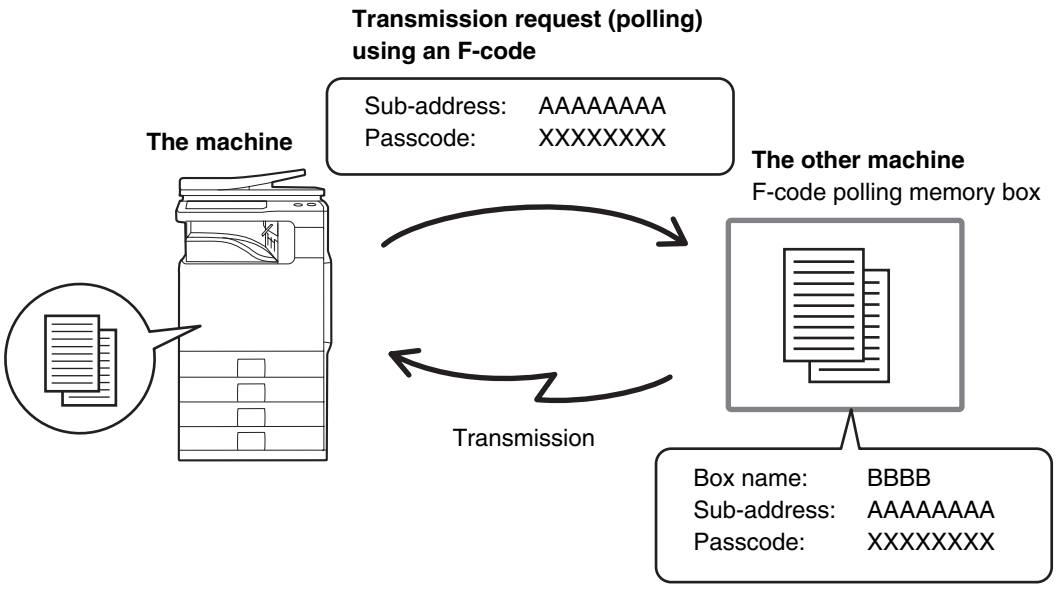
- The confidential fax is automatically given priority in the print job queue.
- The fax is automatically cleared from the memory box after printing.
- **If you forget the print passcode...**
  There is no way to check a forgotten passcode on the machine. Take care not to forget the passcode. In the event that you forget the passcode or need to verify the passcode, contact your dealer or nearest authorised service representative.

System Settings (Administrator): Transaction Report Print Select Setting
This setting can be used to have a transaction report printed automatically when an F-code confidential fax is received.

Contents

POLLING RECEPTION USING F-CODES

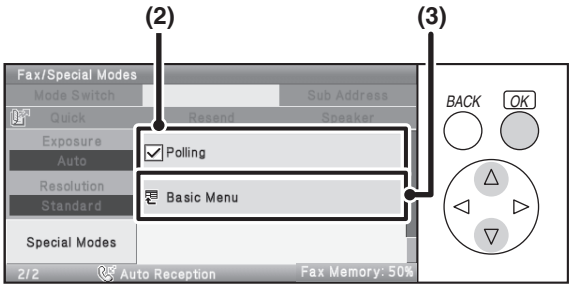
This function enables your machine to call another machine and initiate reception of a fax stored in an F-code memory box (polling memory) in the other machine. During the polling operation, your machine must correctly specify the F-code (sub-address and passcode) configured in the other machine or polling reception will not take place.



- Verify the F-code (sub-address and passcode) of the memory box in the other machine before you perform F-code polling reception.
- Do not place an original in the automatic document feeder or on the document glass when using this function.
- The receiving machine bears the phone charges of the transmission.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select polling.

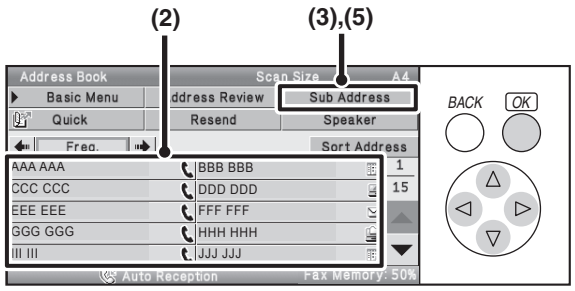
(1) Select the [Special Modes] key.

☞ SPECIAL MODES (page 4-70)

(2) Set the [Polling] checkbox to ☑.

(3) Select the [Basic Menu] key.

2



Enter the destination fax number.

(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

If the destination is not stored in the address book, enter the fax number with the numeric keys.

If the sub-address and passcode are stored in the one-touch key, the following sub-steps are not necessary. Go to step 3.

(3) Select the [Sub Address] key.

"/" appears.

(4) Enter the sub-address with the numeric keys.

(5) Select the [Sub Address] key.

"/" appears.

(6) Enter the passcode with the numeric keys.

If a passcode has been omitted in the memory box of the other machine, (5) and (6) are not necessary.

3

Press the [BLACK & WHITE START] key.

Your machine will call the other machine and initiate reception of the fax.

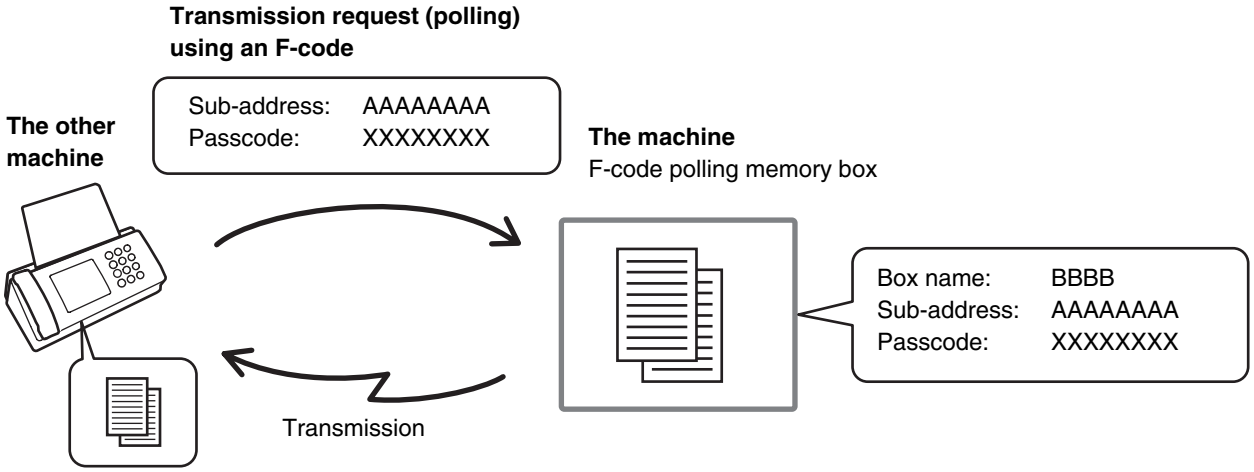
- Polling multiple machines (serial polling) is not possible.
- F-code polling reception can be used in combination with a timer setting. Only one polling reception operation with a timer setting can be stored at a time.
  ☞SENDING A FAX AT A SPECIFIED TIME (Timer) (page 4-75)

To cancel polling...
Set the [Polling] checkbox to ☐ in the screen of step 1.

Contents

POLLING MEMORY TRANSMISSION USING F-CODES

When your machine receives a transmission request from another machine, this function sends a fax stored in an F-code memory box (polling memory) in your machine to that machine. The other machine must correctly specify the F-code configured in your machine or transmission will not take place.
The document to be transmitted must be scanned into an F-code polling memory box.



System Settings: F-Code Memory Box (page 6-108) (Web page only)
This is used to create memory boxes (polling memory) for F-code polling memory transmission.
A memory box name, sub-address, and passcode are programmed in each box.

SCANNING A DOCUMENT INTO A MEMORY BOX FOR F-CODE POLLING TRANSMISSION

Follow these steps to scan a document into a memory box (polling memory) for F-code polling transmission.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

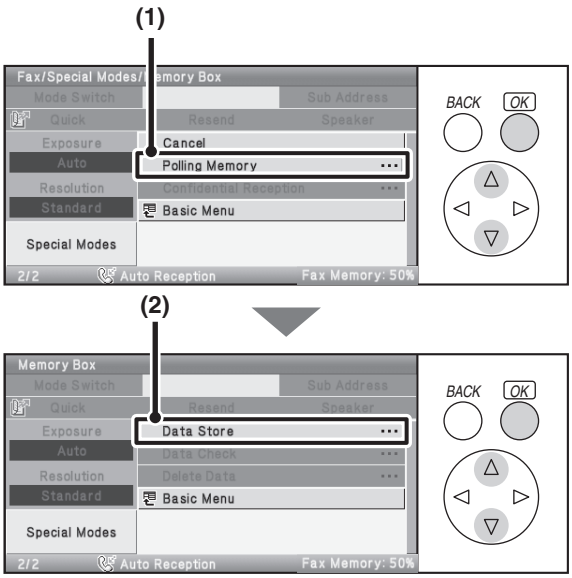
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

3

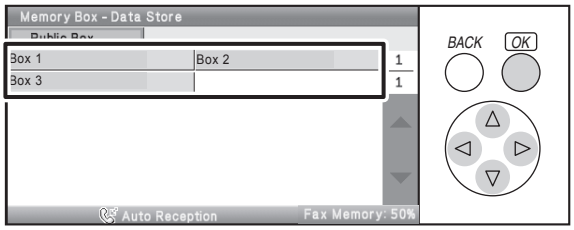


Select the [Data Store] key.

(1) Select the [Polling Memory] key.

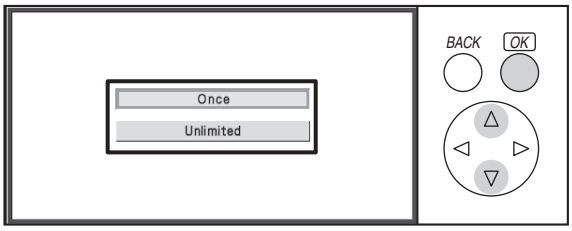
(2) Select the [Data Store] key.

4



Select the F-code memory polling box.

5

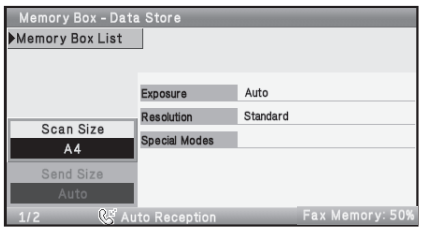


Specify the number of polling times.

Select for the desired number of times.
Select the [Once] key if you want the document cleared from memory after it is transmitted. Select the [Unlimited] key to allow polling an unlimited number of times.

Contents

6



Select image settings and special modes.

- A program, timer setting, transaction report and polling cannot be selected.
- To return to the screen of step 4, select the [Memory Box List] key.

7

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.

To cancel scanning...
Press the [STOP] key ( ) while the original is being scanned.

- If other documents have already been stored in the memory box, the document is added to the previously stored documents.
- The factory default setting for the number of polling times is "Once" (after the document is transmitted to the receiving machine, it is automatically cleared).

Contents

CHECKING THE DOCUMENT IN THE F-CODE MEMORY POLLING BOX

You can check the document stored in the F-code memory polling box.

A document in a memory box cannot be printed while the document is being transmitted.

Keys in the display can be selected with the arrow keys and the [OK] key.

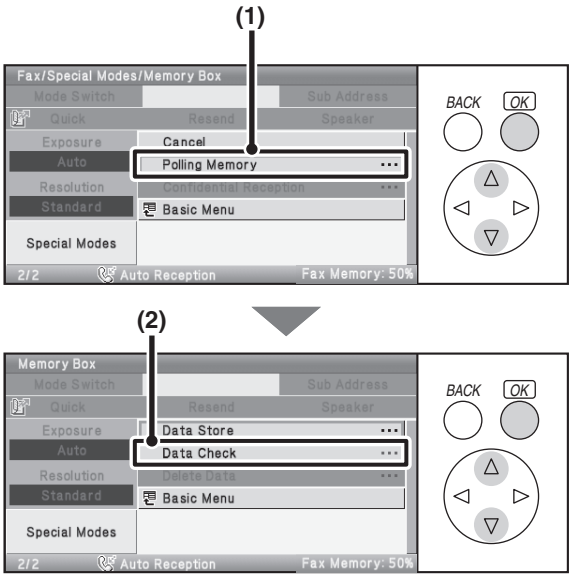
1 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

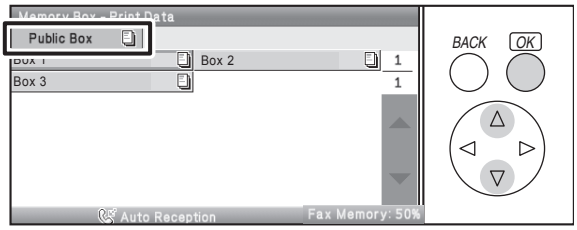
2 Select the [Data Check] key.



(1) Select the [Polling Memory] key.

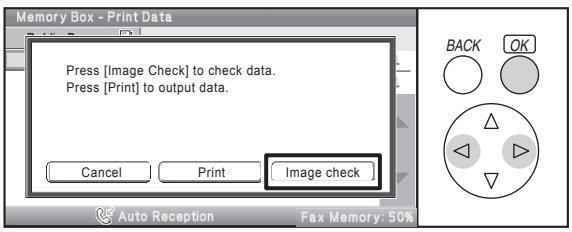
(2) Select the [Data Check] key.

3 Select the F-code memory polling box where the document you wish to print is stored.



appears in memory boxes that have documents stored.

4 Select the [Image Check] key.



The content of the document can be viewed in the image check screen. For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).
To print the document, select the [Print] key.

Contents

DELETING A DOCUMENT STORED FOR F-CODE POLLING TRANSMISSION

When a document in an F-code memory polling box is no longer needed, follow the steps below to delete it.

A document in a memory box cannot be deleted while the document is being transmitted.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

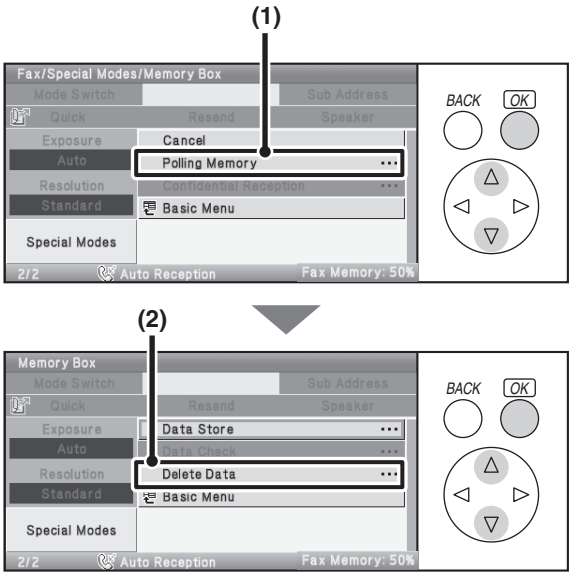
Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Memory Box] key.

☞ SPECIAL MODES (page 4-70)

2

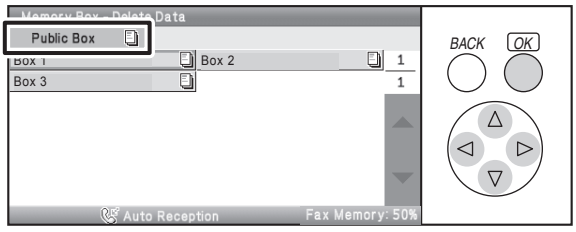


Select the [Delete Data] key.

(1) Select the [Polling Memory] key.

(2) Select the [Delete Data] key.

3

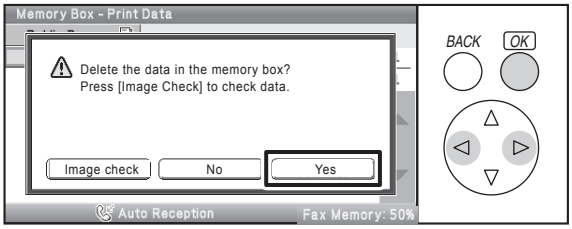


Select the F-code memory polling box that has the document you wish to delete.

appears in memory boxes that have documents stored.

Contents

4



Select the [Yes] key.

- The document is deleted and you return to the screen of step 3.
- You can select the [Image Check] key to check the image in the display before deleting it. For information on the image check screen, see "IMAGE CHECK SCREEN" (page 4-65).

To cancel the deletion...

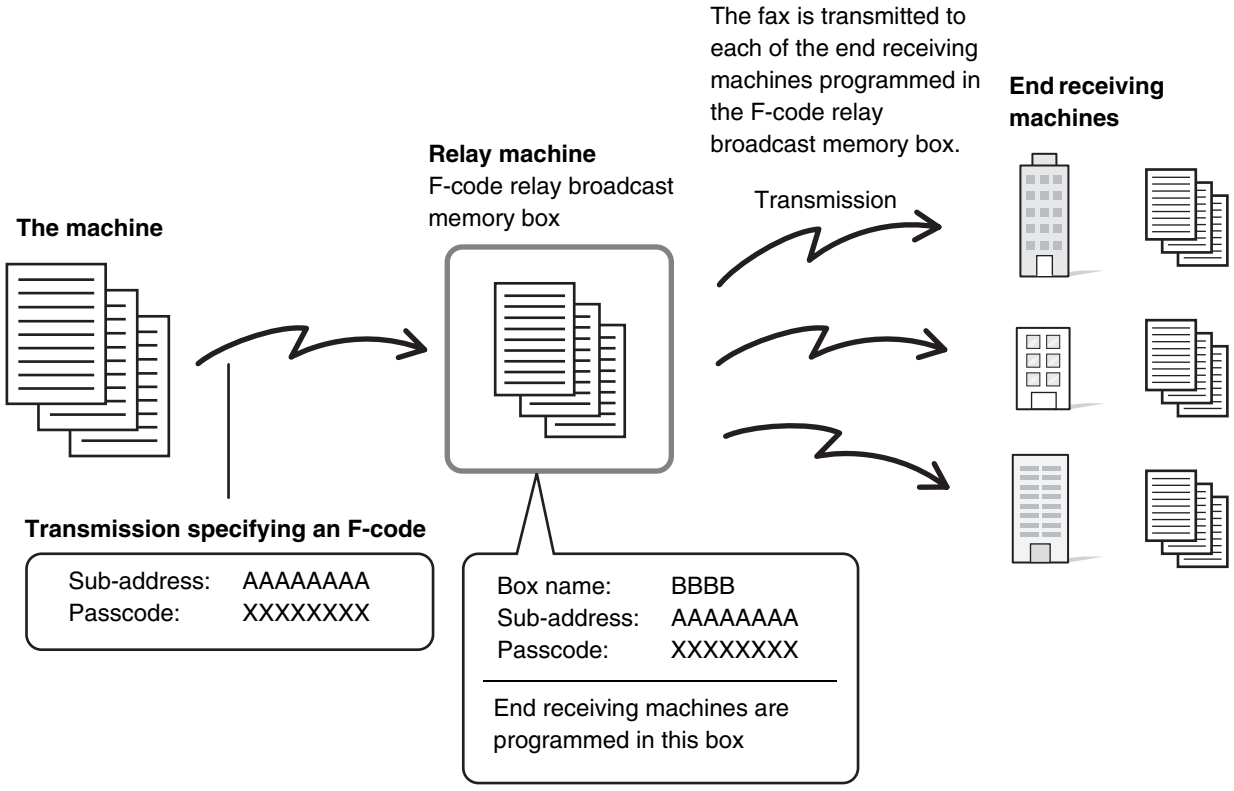
Select the [No] key. You will return to the screen of step 3 without deleting the document.

Contents

RELAY REQUEST TRANSMISSION USING F-CODES

This function is used to send a fax to an F-code relay broadcast memory box in another machine and have that machine relay the fax to multiple end receiving machines.
When the end receiving machines are far from your machine, sending the fax to a relay machine that is close to the end receiving machines can help reduce phone charges. A relay request transmission can be used in combination with the timer transmission function to further reduce phone costs.

☞ SENDING A FAX AT A SPECIFIED TIME (Timer) (page 4-75)



- Verify the F-code (sub-address and passcode) and end receiving machines programmed in the relay broadcast memory box in the relay machine before you perform an F-code relay request transmission.
- Before this function can be used, the end receiving machines must be programmed in the F-code relay broadcast memory box in the relay machine.
- The end receiving machines do not need to support F-code communication.
- This function can be used in combination with a broadcast transmission or timer transmission. An F-code relay request transmission can also be stored in a program.
- Your machine (the machine that requests a relay broadcast transmission) only bears the cost of sending the fax to the relay machine. The relay machine bears the cost of sending the fax to each of the end receiving machines.
- When faxes forwarded using this function are printed at the forwarding destination, the date and time of reception cannot be printed on the faxes. ("Receiving Date & Time Print" is disabled.)

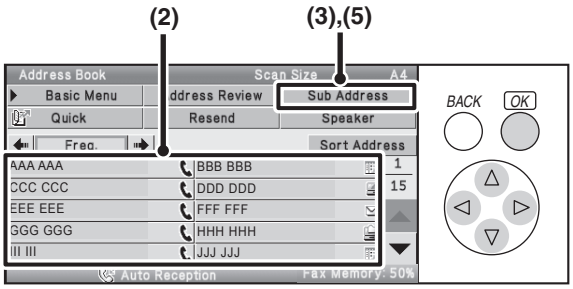
System Settings: F-Code Memory Box (page 6-108) (Web page only)
This is used to create memory boxes for F-code relay broadcast transmission.
A memory box name, sub-address, passcode, and end receiving machines are programmed in each box.

Contents

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE SCAN SIZE AND SEND SIZE (page 4-51)

2 Enter the destination fax number.



(1) Select the [Address] key in the base screen.

For the [Address] key, see "BASE SCREEN OF FAX MODE" (page 4-8).

(2) Select the one-touch key of the desired destination.

If the destination is not stored in the address book, enter the fax number with the numeric keys.

If the sub-address and passcode are stored in the one-touch key, the following sub-steps are not necessary. Go to step 3.

(3) Select the [Sub Address] key.

"/" appears.

(4) Enter the sub-address with the numeric keys.

(5) Select the [Sub Address] key.

"/" appears.

(6) Enter the passcode with the numeric keys.

If a passcode has been omitted in the memory box of the other machine, (5) and (6) are not necessary.

3 Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

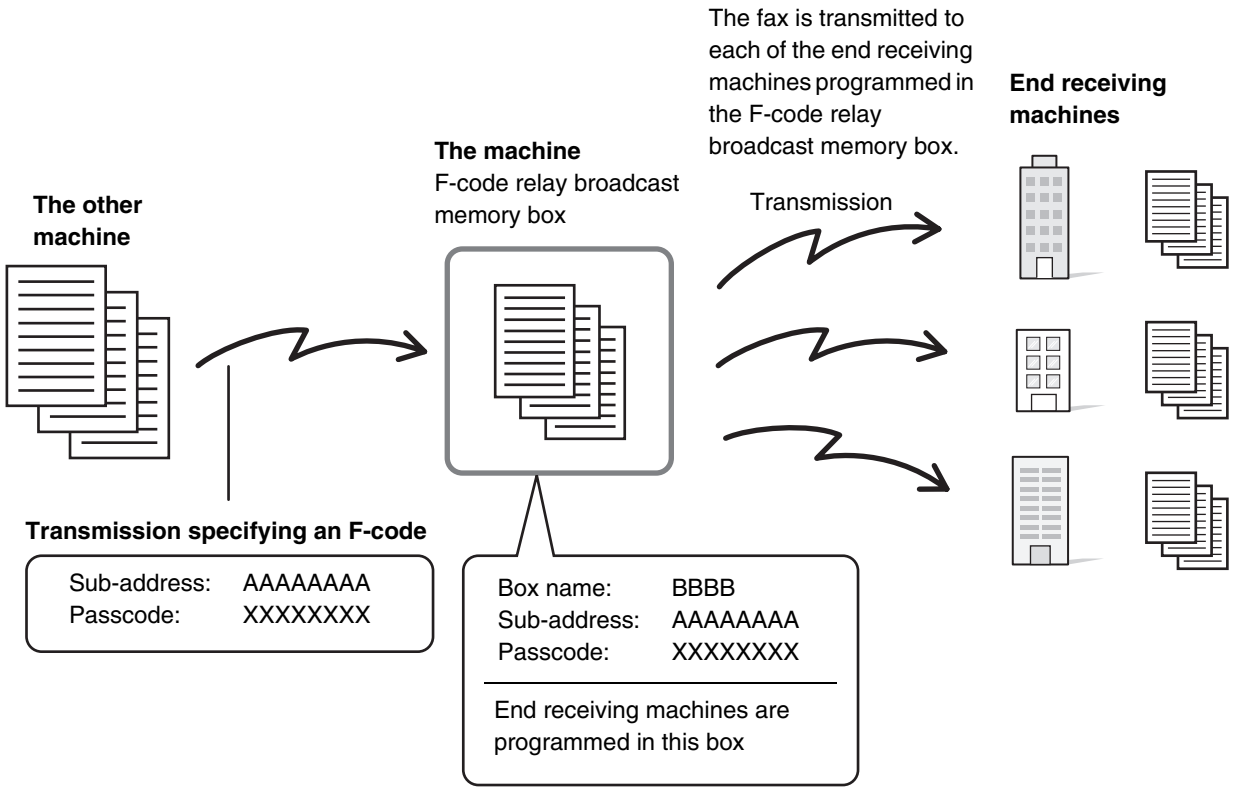
When the relay machine receives the fax, it will automatically transmit the fax to each of the end receiving machines programmed in the memory box.

To cancel scanning...
Press the [STOP] key ( ) while the original is being scanned.

Contents

RELAY BROADCAST TRANSMISSION USING F-CODES

When your machine receives an F-code relay request transmission, the fax is received to an F-code relay broadcast memory box in your machine. Your machine then relays the fax to each of the end receiving machines programmed in the memory box. Transmission to the end receiving machines takes place automatically.



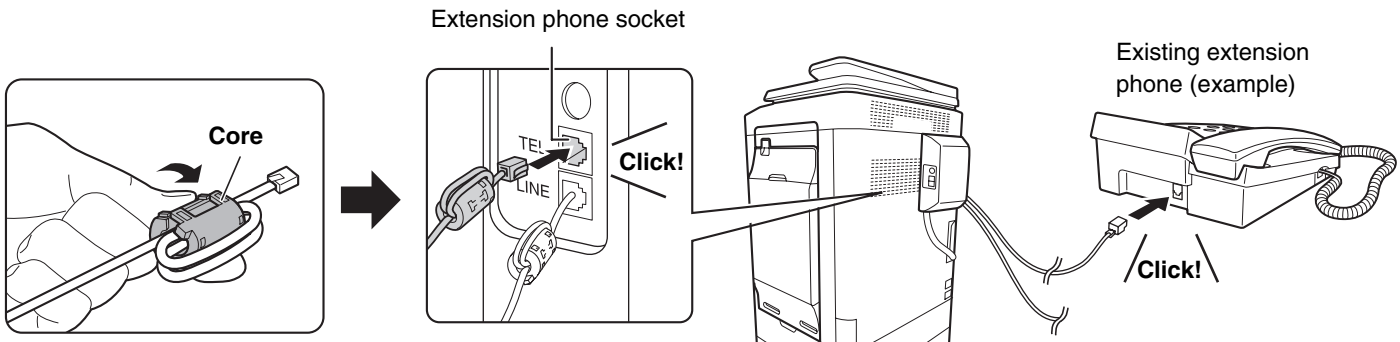
- Prior to the operation, inform the requesting party of the sub-address and passcode of the relay broadcast memory box in your machine.
- Program the end receiving machines in the F-code relay broadcast memory box when you create the box in your machine. ☞CREATING MEMORY BOXES IN THE MACHINE FOR F-CODE COMMUNICATION (page 4-102)
- The end receiving machines do not need to support F-code communication.
- The machine that requests a relay broadcast transmission only bears the cost of sending the fax to your machine (the relay machine). Your machine bears the cost of sending the fax to each of the end receiving machines.
- When faxes forwarded using this function are printed at the forwarding destination, the date and time of reception cannot be printed on the faxes. ("Receiving Date & Time Print" is disabled.)

USING AN EXTENSION PHONE

This section explains how to use an extension phone to make voice calls and receive a fax after talking with the other party.

CONNECTING AND USING AN EXISTING PHONE (Extension Phone Connection)

You can connect an existing extension phone to the machine.
The phone can be used for voice calls and to start fax reception on the machine.
As an example, you can make a phone call using the existing phone, speak to the other party, and then press the [BLACK & WHITE START] key to fax an original that has been placed to that party. You can also press the [BLACK & WHITE START] key when an original is not placed to receive a fax.
Connect the extension phone as shown below.



Attach the provided core to your extension telephone cord and then connect the cord to the machine.

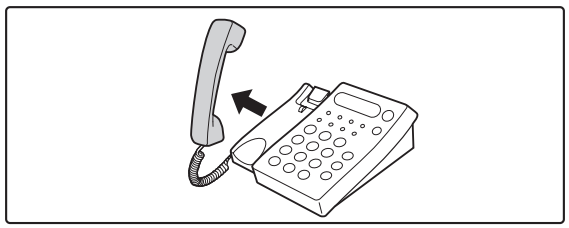
Make sure you hear a "click" sound indicating that the cord is securely connected.

- Connect an extension phone that has a modular socket. Use standard phone line cable to connect the phone. If other than a standard phone line cable is used, the connection may not work correctly.
- If the plug on the telephone line cord does not fit into the socket on your extension phone, contact your dealer or nearest authorised service representative.

RECEIVING A FAX AFTER ANSWERING A CALL ON THE EXTENSION PHONE (Remote Reception)

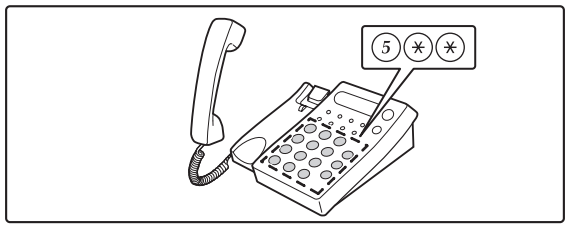
Follow the steps below if you need to start fax reception after answering a call and speaking on the extension phone. If you are on a pulse-dial (rotary) line, set the extension phone to issue tone signals.

1



When you hear ringing, answer the call on the extension phone.

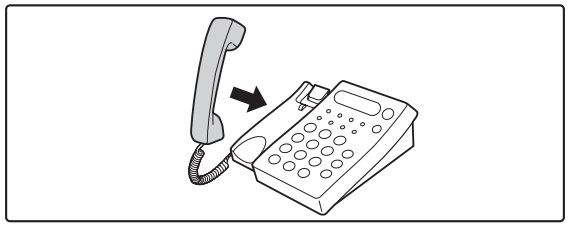
2



Signal the machine to start fax reception.

Press 5 * * on the keypad of the extension phone.

3



Replace the extension phone.

The machine sounds a beep when reception ends.

If the extension phone is still lifted when fax transmission ends, an alarm signal will sound and a message will appear in the display. The alarm and message will stop when the extension phone is replaced.

- **System Settings: Receive Setting (page 6-98)**
  To use remote fax reception, set this setting to "Manual Reception".
- **System Settings (Administrator): Remote Reception Number Setting**
  This is used to change the number used for remote fax reception. The factory default setting is "5".

MAKING AND RECEIVING PHONE CALLS

You can make and receive calls like normal on your extension phone. A phone call can also be made by dialling on the machine.

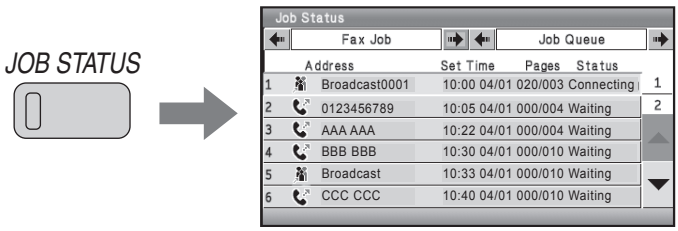
CHECKING THE STATUS OF FAX JOBS

This section explains how to check the status of reserved transmission jobs and received faxes.

JOB STATUS SCREEN

The job status screen is displayed when the [JOB STATUS] key on the operation panel is pressed. The job status screen shows the status of jobs by mode. When the [JOB STATUS] key is pressed, the job status screen of the mode that was being used before the key was pressed appears.
Reserved transmissions and received faxes are referred to as jobs here.

Example: Pressing the key in fax mode

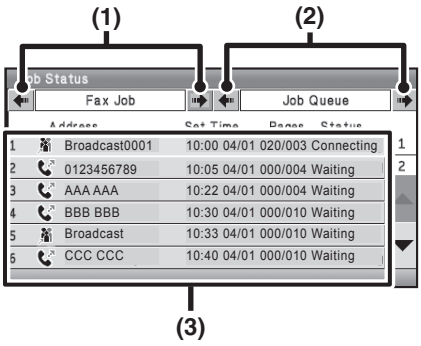


Contents

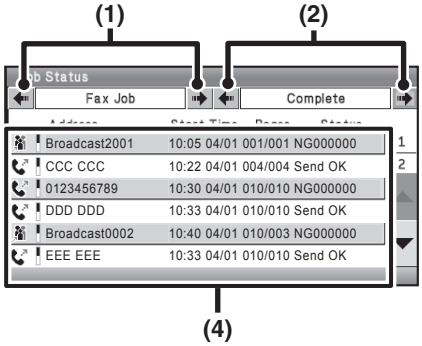
JOB QUEUE SCREEN AND COMPLETED JOB SCREEN

The job status screen consists of two screens: the job queue screen, which shows reserved jobs and the job currently in progress, and the completed jobs screen. To switch between the two screens, select the job status screen selector key ((2) below).

Job queue screen



Completed job screen



(1) Mode select keys ( )

Select these keys to select the job status screen of each mode.

(2) Job status screen selector keys ( )

Select this these keys to switch between the job queue screen and the completed jobs screen.

(3) Job queue screen

Jobs are shown as keys in the order they were reserved. Each key shows information on a job and its current status.

☞ Job key display (page 4-122)

(4) Completed jobs screen

This shows up to 99 completed transmission/reception jobs. A description of each job and the result (status) are shown.

Broadcast transmission jobs, serial polling jobs, and received fax forwarding jobs are indicated as keys.

Contents

Job key display

The following information is shown in the job queue keys and completed job keys that appear in the job status screen.



(1) Indicates the number (position) of the job in the job queue.

When the job currently being transmitted is finished, each job moves up one position in the job queue.
This number does not appear in lists in the completed jobs screen.

(2) Mode icon

This indicates the type of job. In the completed jobs screen, a colour bar indicating black & white will appear next to the icon.

Icon	Job type
	Fax transmission
	Fax reception
	Broadcast transmission, Serial polling or Inbound routing
	PC-Fax transmission

(3) Name of other party

For a transmission, the name or fax number of the destination. For a reception, the fax number of the sending party.
In the case of a broadcast transmission or serial polling operation, "Broadcast" or "Multi Polling" appears together with a broadcast control number (4-digits).

(4) Time reserved / Time started

In the job queue screen, the date and time the job was reserved. In the completed jobs screen, the date and time the job was started.

(5) Number of pages

Shows the number of pages transmitted / total number of original pages.

(6) Status

Shows the job status.

- Job in progress

Message	Status
"Connecting"	Connecting
"Sending"	Sending
"Receiving"	Receiving
"Tel"	Speaking with the other party using an extension phone
"Stopped"	The job has been stopped.
"Error"	An error occurred while the job was being executed.

- Job waiting to be executed

Message	Status
"Waiting"	The job is waiting to be executed.
"Retry Mode"	The job is being re-attempted due to a communication error or other problem.
The day and time are displayed.	Timer transmission job (the specified time is displayed)

Contents

• Completed job

Message	Status
"Send OK"	Transmission completed.
"In Memory"	Reception completed but the fax has not been printed.
"Received"	A received fax has been printed or deleted in the check image screen.
"Forward OK"	The received fax has been forwarded.
"Stopped"	The job was stopped.
"Number of successful transmission destinations / Total destinations OK"	Completion of a broadcast transmission, serial polling or inbound routing operation. If transmission to 3 destinations was successful out of a total of 5, "003/005" will appear.
"No response"	An error occurred because there was no response from the destination.
"Busy"	An error occurred because the other party was busy.
"Reject Reception"	A fax was sent from a party that has been blocked by the anti junk fax function.
"NGxxxxxx"	Transmission/reception was not successful because a communication error occurred (a 6-digit error code appears in xxxxxx.)
"Error"	An error occurred while the job was being executed.

Contents

OPERATION WHEN A JOB IN THE JOB QUEUE IS COMPLETED

When a normal transmission job is completed, it moves to the completed jobs screen and "Send OK" appears in the status column.
Received faxes, timer transmission jobs, retry jobs, and forwarding jobs are handled in the job status screen as explained below.

Fax reception jobs

While a fax is being received, "Receiving" appears in the job queue screen.
When reception is completed, the job moves to the completed jobs screen and "In Memory" appears.
After the fax is printed, the status changes to "Printed".

Timer transmission jobs

A timer transmission job appears at the bottom of the job queue screen until the specified time arrives.
When the specified time arrives, the job is executed. If another job is in progress, the timer job is started when the other job is completed.

Retry jobs

A retry job appears at the bottom of the job queue screen. When the set retry interval elapses, the job is executed. If there are jobs reserved ahead of the retry job, the retry job is reserved at the bottom of the job queue and executed when its turn arrives.

Fax reception jobs when Inbound Routing is enabled

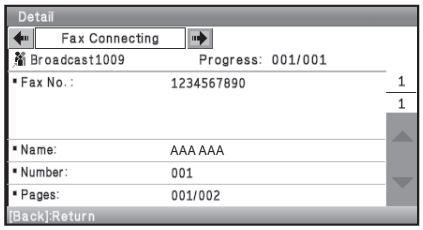
When Inbound Routing is enabled in the Web pages, fax reception jobs are handled as follows depending on the print setting.

☞ FORWARDING RECEIVED FAXES TO A NETWORK ADDRESS (Inbound Routing Settings) (page 4-67)

- **Received fax is not printed**
  "Receiving" appears in the job queue screen while the fax is being received. When reception is completed, the job moves to the job queue of the job status screen of scan mode.
- **Received fax is printed**
  When reception is completed, the job moves to the completed jobs screen and "In Memory" appears. After the fax is printed, "Printed" appears. In addition, the job is added to the job queue of the job status screen of scan mode. When forwarding is finished, "Forward OK" appears.

CHECKING A RESERVED JOB OR THE JOB IN PROGRESS

The detailed contents of a broadcast transmission or serial polling job can be displayed. Select the key of the job that you wish to check and select the [Detail] key. The job details screen will appear (see below).



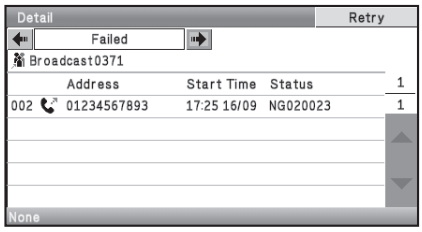
The job name and progress (number of completed destinations / total destinations) appear at the top of the screen. To view details on the job, select either of the keys with the ◁ ▷ keys and press the [OK] key. The following information appears on each screen.

Tab name	Information displayed
Fax Connecting	Information on the current destination appears. Fax No.: The fax number of the destination. Name: The name of the destination. Number: The broadcast control number (3-digits). Pages: Number of pages completed / total number of pages
Fax Waiting	This shows information on the destinations that are waiting. A broadcast control number (3-digits) appears in front of each destination. Address: The name of the other destination. Status: The status of communication.
Failed	This shows information on destinations for which communication failed. A broadcast control number (3-digits) appears in front of each destination. Address: The name or fax number of each destination. Start Time: The time when communication began. Status: The status of communication.
All Destinations	This shows all destinations specified in the job. A broadcast control number (3-digits) appears in front of each destination. Address: The name or fax number of the destination. Start time: The time at which communication began. Status: The status of communication.

Contents

CHECKING COMPLETED JOBS

You can check a list of the destinations, the destinations for which transmission failed, and other detailed information on completed broadcast transmission jobs, received fax forwarding jobs and serial polling jobs. Select the key of the desired job in the completed jobs screen and select the [Detail] key. The job detail screen (see below) will appear.



The job name appears at the top of the job detail screen.
To view details on the job, select either of the keys with the ◁ ▷ keys and press the [OK] key. The following information appears on each screen.

Tab name	Information displayed
Failed	This shows information on destinations for which communication failed. A broadcast control number (3-digits) appears in front of each destination. Address: The name or fax number of each destination. Start time: Time at which communication began. Status: Description of failure (error) The [Retry] key can be selected to re-attempt transmission to that destination.*
All Destinations	Shows all addresses specified in the job. A broadcast control number (3-digits) appears in front of each destination. Address: The name or fax number of each destination. Start time: Time at which communication began. Status: Communication result The [Retry] key can be selected to transmit to all destinations again.*

* Recalling is not possible for a broadcast transmission that includes a Scan to FTP address, Scan to Network Folder address, or Scan to Desktop address.

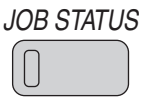
Contents

CANCELLING A FAX IN PROGRESS OR A RESERVED FAX

Follow the steps below to cancel a fax transmission that is in progress or a reserved fax job.

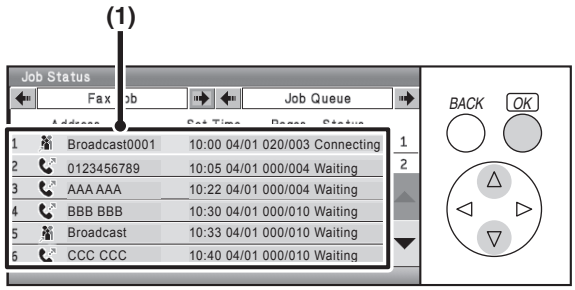
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2

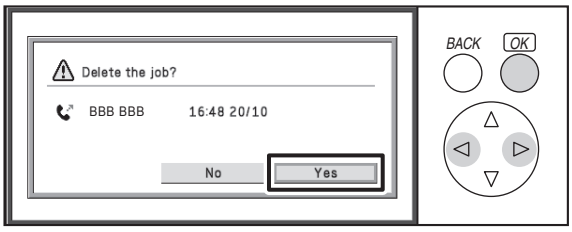


Select the fax job that you wish to cancel.

(1) Select the fax job to be cancelled.

(2) Select [Stop/Delete] in the displayed screen.

3



Select the [Yes] key.

If you do not wish to cancel the selected fax job...
Select the [NO] key.

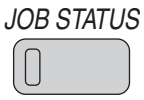
Printing of received faxes and forwarding jobs set using "Inbound Routing Settings" cannot be cancelled.
☞ FORWARDING RECEIVED FAXES TO A NETWORK ADDRESS (Inbound Routing Settings) (page 4-67)

GIVING PRIORITY TO A RESERVED FAX JOB

When multiple jobs are waiting to be transmitted, the jobs are normally transmitted in the order they were reserved. If you need to give priority to a job and send it ahead of the other jobs, follow the steps below.

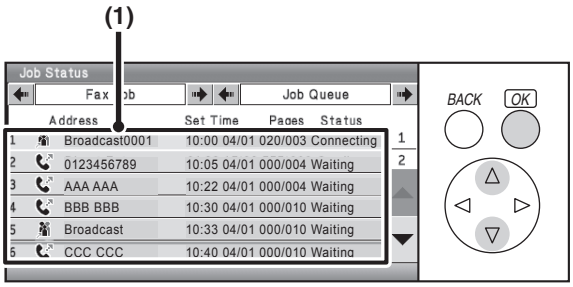
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Select the fax job to which you wish to give priority.

(1) Select the desired job.

(2) Select [Priority] in the displayed screen.

The selected job moves up to the position immediately following the job in progress. The job will be executed when the job in progress is completed.

If the job in progress is a broadcast transmission job or a serial polling job, the priority job will be transmitted between destinations of the broadcast transmission or serial polling job. However, if the priority job is a broadcast transmission job or a serial polling job, it will be executed after the current job is completed.

Contents

CHECKING THE ACTIVITY LOG (Image Sending Activity Report)

IMAGE SENDING ACTIVITY REPORT

You can have the machine print a log of recent image sending activity (date, name of other party, time required, result, etc.). The Image Sending Activity Report contains useful information such as the types of errors that occurred.
The most recent 200 transactions are included in the report.
You can have the machine print the Image Sending Activity Report each time the number of transactions reaches 201, or at a specified time (once a day only).

The contents of the Image Sending Activity Report are erased when the report is printed, and thus it cannot be reprinted.

System Settings (Administrator): Activity Report Print Select Setting
This is used to set the conditions for printing activity reports. The factory default setting is not to print.
The Image Sending Activity Report can be set to print each time the number of transactions reaches 201, or at a specified time (once a day only).

Contents

INFORMATION APPEARING IN THE RESULT COLUMN

Error types and other information are printed in the result column of transaction and activity reports. When a transaction report or activity report is printed, check the result of the transaction in the result column and take action as needed.

Examples of messages that are printed in the result column

Message	Explanation
OK	The transaction was completed normally.
G3	Communication took place in G3 mode.
ECM	Communication took place in G3 ECM mode.
SG3	Communication took place in Super G3 mode.
Forwarding	The received data was forwarded.
NO RESPONSE	No response from the receiving party.
BUSY	Transmission was not possible because the other party was already using the line.
CANCEL	The transmission was cancelled while in progress.
MEMORY OVER	The memory became full during quick on-line transmission.
MEM.FULL	The memory became full during reception.
LENGTH OVER	The transmitted fax was over 1.5 m (59") long and therefore could not be received.
ORIGINAL ERROR	Direct transmission or manual transmission was not successful because a misfeed occurred.
PASS# NG	The connection was broken because the polling passcode was not correct.
NO RX POLL	The machine that was polled does not have a polling function.
RX POLL FAIL	The other machine refused the polling operation, or your machine broke the connection when polled because no data was in memory.
NO F-CODE POLL	The other machine refused an F-code polling operation, or your machine broke the connection when polled because no data was in its F-code memory polling box.
RX POLL# NG	The connection was broken because the sub-address for F-code polling memory was not valid.
F POLL PASS# NG	The connection was broken because the passcode for F-code polling memory was not valid.
BOX NO. NG	Your machine broke the connection because the specified sub-address for an F-code memory box does not exist.
F PASS# NG	Your machine broke the connection because the other machine sent an incorrect passcode for F-code communication.
RX NO F-CODE POLL	F-code polling was attempted, however, the other machine did not have an F-code polling memory box.
NO F FUNC	F-code communication was attempted, however, the other machine does not support F-code communication.
NO F-CODE	F-code communication was refused by the other machine because of an incorrect sub-address or other reason.
M. BOX: [xxxxxx] ✳✳✳✳✳✳	Data was received to a confidential or relay broadcast memory box, or data was sent from a memory polling box. The name of the memory box appears in [xxxxxx], and the type of F-code operation (relay request reception, polling memory transmission, or confidential reception) appears in ✳✳✳✳✳✳.
FAIL xx (xxxx)	The transaction failed due to a communication error. First 2 digits of communication error number: Error code from 00 to 99. Last 4 digits of communication error number: Code for use by service technicians.
REJECTED	A fax was sent from a party from which reception is blocked.

CHAPTER 5 SCANNER/INTERNET FAX

This chapter provides detailed explanations of the procedures for using the scanner function and the Internet fax function.
For the procedures for using the display, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".

BEFORE USING THE MACHINE AS A NETWORK SCANNER

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BEFORE USING THE MACHINE AS A NETWORK SCANNER

This section provides information that you should know before using the machine as a network scanner.

NETWORK SCANNER FUNCTION

The network scanner function of the machine can be used to scan an original, create an image file, and send the file over a network to a computer, FTP server, or other destination. Scanning is also possible from your computer using a TWAIN-compliant application.
The network scanner function provides the following scanning modes.

Scan modes

☞ SENDING AN IMAGE IN SCAN MODE (page 5-32)

Scan to E-mail

The scanned file is sent to an e-mail address.



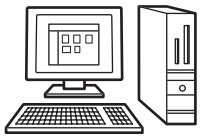
Scan to FTP

The scanned file is sent to a specified directory of an FTP server.
When the file is sent, it is also possible to send an e-mail to a previously stored e-mail address to inform the recipient of the location of the file. (This is called "Scan to FTP (Hyperlink)".)



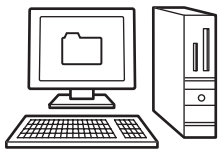
Scan to Desktop

The scanned file is sent to a specified folder on your computer.
To use Scan to Desktop, software must be installed from the "Sharpdesk/Network Scanner Utilities" CD-ROM that accompanies the machine. For the system requirements of the software, see the manual (PDF format) or the Readme file on the CD-ROM. For the procedures for installing the software, see the "Sharpdesk Installation Guide".



Scan to Network Folder

The scanned file is sent to a shared folder on a Windows computer on the same network as the machine.



Contents

USB memory mode

☞ SENDING AN IMAGE IN USB MEMORY MODE (page 5-39)

USB Memory Scan

The scanned file is sent to and stored in a USB memory device connected to the machine.



Internet fax mode

To use the Internet fax function, the Internet fax expansion kit must be installed.

☞ SENDING A FAX IN INTERNET FAX MODE (page 5-45)

Internet fax transmission

The scanned file is sent as an Internet fax. Reception of Internet faxes is also possible.
The machine supports Direct SMTP, which lets you directly send Internet faxes within your company without using a mail server.

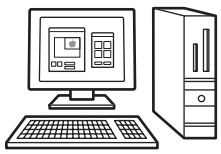


PC scan mode

☞ SCANNING FROM A COMPUTER (PC Scan Mode) (page 5-117)

PC Scan

A TWAIN-compliant application on a computer connected to the same network as the machine is used to scan a document or image.
To use PC Scan, the scanner driver must be installed from the "Software CD-ROM" that accompanies the machine.
Operating systems that can be used are Windows 98/Me/2000/XP/Server 2003/Vista/Server 2008.



Data entry mode

The application integration module is required to use the metadata transmission function.

☞ METADATA DELIVERY (page 5-122)

Metadata delivery

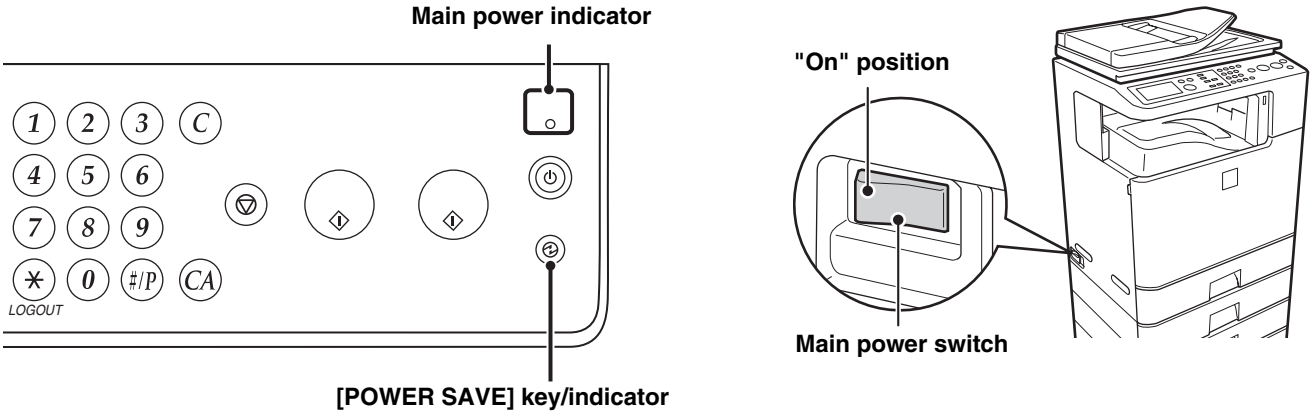
The application integration module can be combined with the network scanner function to append a metadata* file to a scanned image file. (This is called metadata delivery.)
Information entered using the display or automatically generated by the machine can be sent to a directory on an FTP server or an application on a computer as a metadata file in XML format.
* Metadata is information about a file, how it is to be processed, and its relation to other objects.

PREPARATIONS FOR USE AS A NETWORK SCANNER

MAKE SURE THE MAIN POWER SWITCH IS IN THE "ON" POSITION

The main power is "on" when the main power indicator on the right side of the operation panel is lit.
If the main power indicator is not lit, the main power is "off". Switch the main power switch to the "on" position and press the [POWER] key (⏻) on the operation panel.
If the Internet fax function will be used, and in particular if reception or timer transmission will take place at night, always keep the main power switch in the "on" position.

When the [POWER SAVE] key (♲) indicator light is blinking, the machine is in auto power shut-off mode. If the [POWER SAVE] key (♲) is pressed when the indicator is blinking, the indicator will turn off and the machine will return to the ready state after a brief interval.



CHECKING THE DATE AND TIME

Verify that the correct date and time are set in the machine.
The date and time are set in the system settings of the machine. When the [SYSTEM SETTINGS] key is pressed, the system settings menu screen appears on the display. Select [Default Settings], [Clock], and [Clock Adjust], and set the year, month, day, hour, and minute.

If "Disabling of Clock Adjustment" (Web page only) has been enabled in the system settings (administrator), the date and time cannot be set.

STORING SENDER INFORMATION

Be sure to configure this information, as it is required for communication.

Before using Scan to E-mail

Store a default sender name in "Sender Name" and a reply e-mail address in "Reply E-mail Address". These will be used when a sender is not selected.

System Settings (Administrator): Default Sender Set (Web page only)
This is used to store the sender name and e-mail address that is used when a sender is not selected.

Before using Internet fax

Store a sender name in "Sender Name" and a sender Internet fax address in "Own Address".

System Settings (Administrator): Sender Data Registration
Use this setting to program the sender name and sender address.

Contents

SETTINGS REQUIRED IN THE WEB PAGES

To use scan mode and Internet fax mode, the basic network scanner settings, server settings such as SMTP and DNS server settings, and sender addresses must be configured in the Web pages.

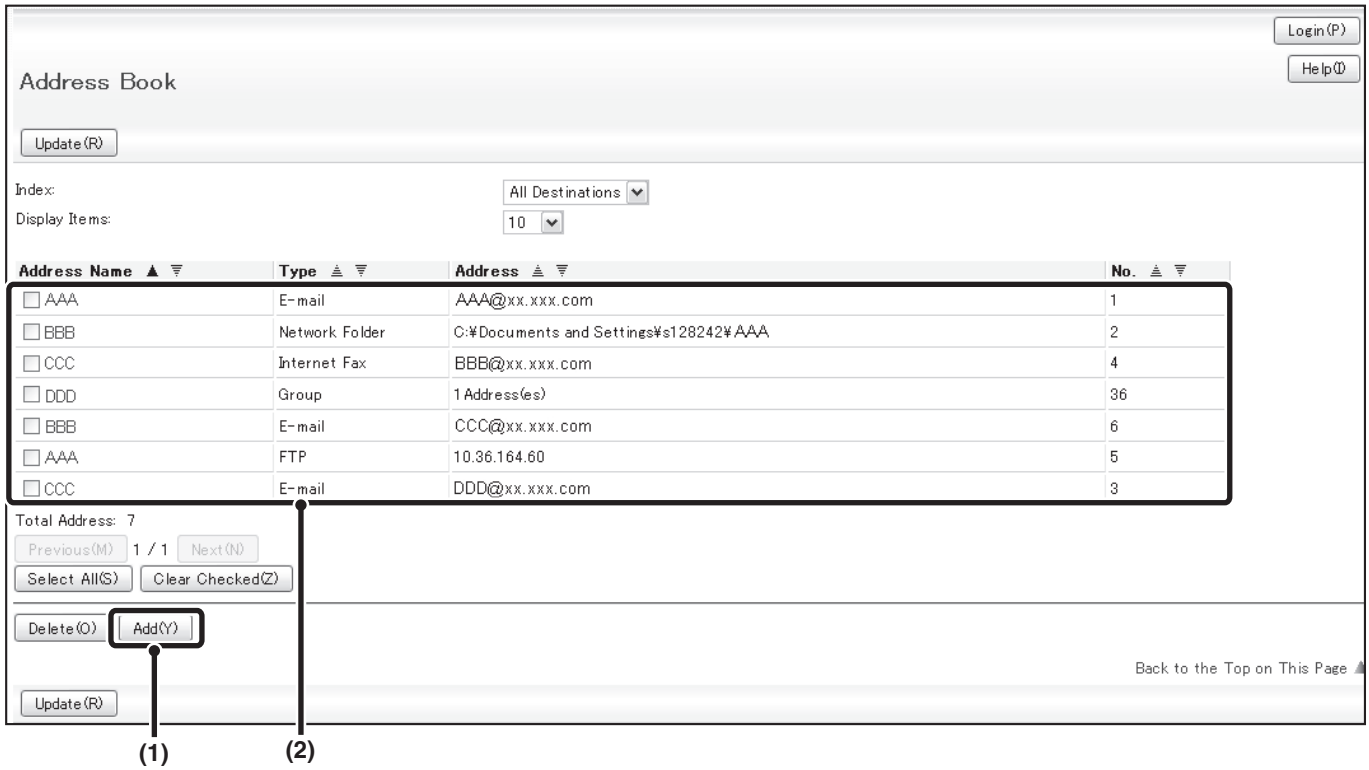
- **Server settings**
  To configure server settings, click [Network Settings] and then [Services Settings] in the Web page menu. (Administrator rights are required.)
- **Basic network scanner settings**
  To configure network scanner settings, click [Application Settings] and then [Network Scanner Settings] in the Web page menu. (Administrator rights are required.)
- **Internet fax settings**
  To configure the network scanner settings, click [Application Settings] and then [Internet Fax Settings] in the Web page menu. (Administrator rights are required.)

STORING DESTINATION ADDRESSES FOR EACH SCAN MODE IN THE ADDRESS BOOK

To use Scan to FTP, Scan to Desktop, and Scan to Network Folder, destinations must be stored in the address book. Although destinations for Scan to E-mail and Internet fax do not need to be stored in the address book (they can be entered directly or looked up in a global address book at the time of transmission), storing these types of destinations in the address book makes it easy to select them.

The settings that can be selected vary depending on the peripheral devices installed.

When the [Address Book] is selected, the following screen appears.



(1) [Add] key
Use this to add a new address.

(2) List display
This displays a list of the currently stored addresses. An address can be selected to open an edit/delete screen for the address.

Contents

Storing addresses

Select the [Add] key in the above screen to store an address. Up to 999 addresses can be programmed.
For more information, see "Settings" (page 5-8).

To store addresses for Scan to Desktop...
Store Scan to FTP and Scan to Network addresses in the Web pages. Store Scan to Desktop addresses using Network Scanner Tool. A combined total of 200 Scan to Desktop, Scan to FTP, and Scan to Network Folder addresses can be stored.

Editing and deleting addresses

An address can be selected from the list in the above screen to open an edit screen for the address.
To open a delete screen, select the checkbox ☑ next to the address and then select [Delete].
For more information, see "Settings" (page 5-8).

- **If you cannot edit or delete a one-touch individual or group key...**
  Individual keys and group keys cannot be edited or deleted in the following situations:
  - The key is used in a reserved transmission or a transmission in progress.
  - The key is included in a group key.
  - The key is included in a program.
  - The key is specified as a forwarding destination in the "Default Address" (page 6-84) in the system setting or "Inbound Routing Settings" / "Document Administration Function".

Settings

Item	Description
Items stored in all modes	
Address Type	Select the type of address to be stored in the address book. • E-mail: Store an e-mail address in a one-touch key. • FTP: A Scan to FTP address can be assigned to a one-touch key. • Desktop: A Scan to Desktop address can be assigned to a one-touch key. To store a Scan to Desktop address, use the Network Scanner Tool. • Network Folder: A Scan to Network Folder address can be assigned to a one-touch key. • Internet Fax: Store an Internet fax address in a one-touch key. • Direct SMTP: Store a Direct SMTP address in a one-touch key. • Fax: Store a fax number in a one-touch key. • Group: Store multiple addresses as a group for a broadcast transmission.
Search Number	Set a search number. The lowest available number is automatically entered. To change the number, enter a number from 001 to 999. A search number that has already been stored cannot be used.
Address Name	Enter a maximum of 36 characters for the address name.
Initial	Enter up to 10 characters for the initials. The initials you enter here determine the position of the one-touch key in the alphabetical index.
Key Name	Enter the name that you wish to appear in the address book (this is different from the address name).
Custom Index	Select the custom index in which the address will appear.
Register this Address to be added to the [Frequent Use] index.	Frequently used addresses can be stored in the [Frequent Use] index.
Items appearing when an e-mail address is stored	
E-mail Address	Enter an e-mail address (max. 64 characters).
File Format	Specify the format of the file to be generated and the compression mode for black & white mode and colour mode. • File Type: Set the format of the file to be generated. • Compression Mode (Black & White): Select the compression mode for black & white transmission. • Compression Ratio (Colour/Greyscale): Select the compression ratio for colour/greyscale transmission.

Contents

Item	Description
Items appearing when an Internet fax address is stored	
I-Fax Address	Enter an Internet fax address (max. 64 characters).
File Format	Compression Mode: Select the compression mode for transmission.
Request Internet Fax Reception Report	Select whether or not you wish to receive a reception report by e-mail after transmission is completed.
Items appearing when a Direct SMTP address is stored	
• Direct SMTP Address • Add Hostname or IP Address. • Hostname or IP Address	Use these three settings to set an address for Direct SMTP transmission. In many cases, transmission is possible using method (1). A maximum of 64 characters each can be entered in the "Direct SMTP Address" and "Hostname or IP Address" text boxes. **(1) Using the IPv4 address of the receiving machine in the domain part of the e-mail address** Enter the e-mail address of the receiving machine in the [Direct SMTP Address] text box with the IPv4 address substituted for the domain. Example:When the e-mail address of the receiving machine is "user@sample_domain.com" and the IPv4 address is "192.168.123.45" Enter "**user@192.168.123.45**" in the [Direct SMTP Address] text box. **(2) Using the host name in the domain part of the e-mail address of the receiving machine** Enter the e-mail address of the receiving machine in the [Direct SMTP Address] text box with the host name substituted for the domain. Example:When the e-mail address of the receiving machine is "user@sample_domain.com" and the host name is "HOST" Enter "**user@HOST**" in the [Direct SMTP Address] text box. **(3) When the receiving machine is set to only receive e-mail from specific addresses** Enter the specified specific e-mail address in the [Direct SMTP Address] text box. Select the "Add Hostname or IP Address." checkbox and enter the host name or IPv4 address of the receiving machine in the [Hostname or IP Address] text box. Example:When the e-mail address of the receiving machine is "user@sample_domain.com" and the IPv4 address is "192.168.123.45" Enter "**user@sample_domain.com**" in the [Direct SMTP Address] text box and enter "**192.168.123.45**" in the [Hostname or IP Address] text box.
Compression Mode	Select the compression mode for transmission.
Items appearing when a group is stored	
Address	• Select Address (From Address Book): Select addresses from the address book to be stored in the group. • Select Address (From Direct Entry): An address that is not stored in the address book can be directly entered. Enter the address in the same way as when storing an address for a mode. Note that when an Internet fax address is directly entered, the compression mode and reception report cannot be selected. • Address to be Entered: This displays a list of the selected addresses. Addresses can be deleted from this list if needed.

Custom Index

The name of a custom index can be changed for greater ease of use.
Delete the previously entered name and enter a new name (maximum of 6 characters).
The factory default names for the custom indexes are "User 1" to "User 6".

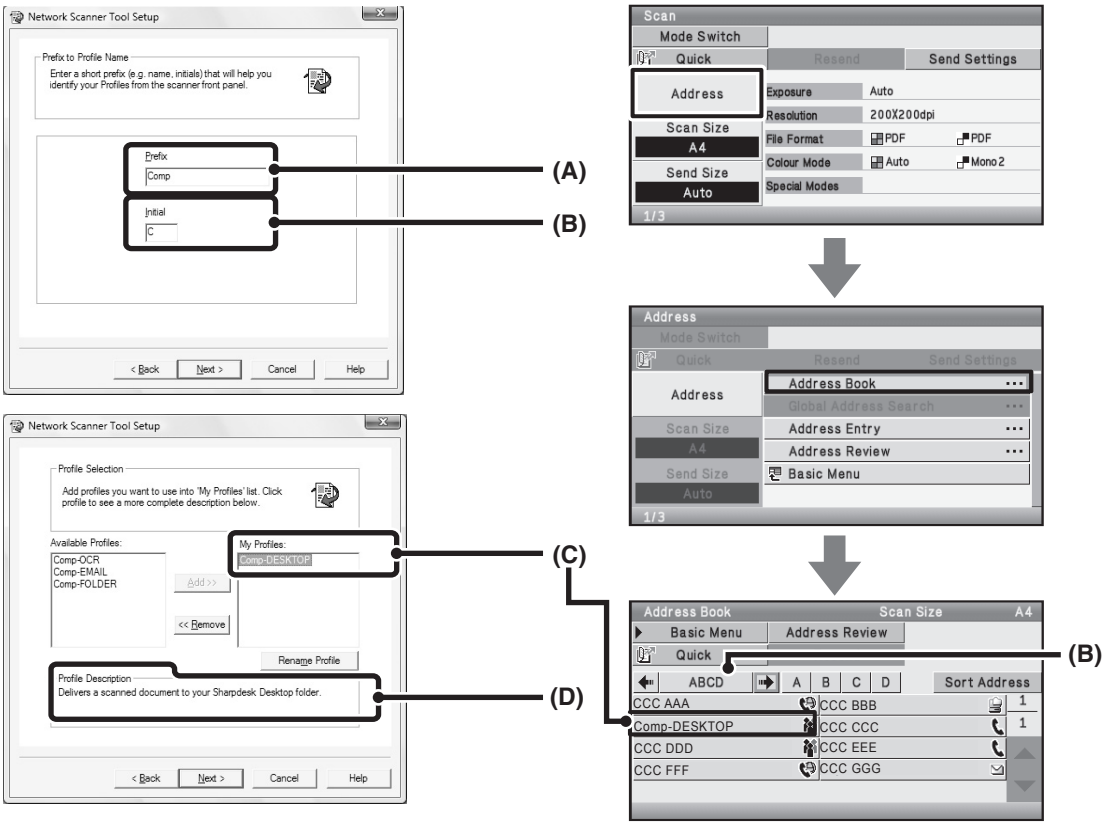
STORING A DESTINATION FOR SCAN TO DESKTOP

To store your computer in the machine as a destination for Scan to Desktop, Network Scanner Tool must be installed from the "Sharpdesk/Network Scanner Utilities" CD-ROM that accompanies the machine. To scan an image to your computer, Network Scanner Tool must be running on your computer.

INSTALLING NETWORK SCANNER TOOL

To install Network Scanner Tool, see the "Sharpdesk Installation Guide" that accompanies the machine. When a standard installation is performed, Network Scanner Tool is installed with Sharpdesk.

When you restart your computer after installing Network Scanner Tool, the Setup Wizard will start automatically. Follow this wizard to set up Network Scanner Tool. This will store your computer in the machine as a destination for Scan to Desktop. The stored destination will be displayed as a one-touch key in the address book screen.
The following window appears while Network Scanner Tool is being set up. The item selected in "My Profiles" (C) will be the name of the one-touch key.



The profile name is determined by the combination of the text entered in "Prefix" (A) and the profile*.
The one-touch key is assigned to an index tab in the address book screen based on the text entered in "Initial" (B).
* This defines how an image sent to your computer is processed. For more information, see profile explanation (D).

ADDING DESTINATIONS

For the number of computers that can be stored in the machine as destinations of Scan to Desktop, see the number of licences indicated in the "Sharpdesk Installation Guide". To store more destinations, a licence kit is required. Store Scan to Desktop destinations by installing Network Scanner Tool on each computer.

Contents

BEFORE SENDING TO A DIRECT SMTP ADDRESS

The machine supports Direct SMTP, which lets you directly send Internet faxes within your company without using a mail server. For the procedure for storing a Direct SMTP address in the address book, see "STORING DESTINATION ADDRESSES FOR EACH SCAN MODE IN THE ADDRESS BOOK" (page 5-6). Stored Direct SMTP addresses are included in the address book for Internet fax mode.

If the destination is busy

If the destination is busy, the machine will wait briefly and then automatically resend.

To cancel transmission...
Cancel the transmission from the job status screen.
☞ STOPPING A SCAN JOB BEING TRANSMITTED OR WAITING TO BE TRANSMITTED (page 5-106)

System Settings (Administrator): Recall in Case of Line Busy (Web page only)
This is used to set the number of recall attempts and the interval between attempts when the connection cannot be established because the line is busy.

When a communication error occurs

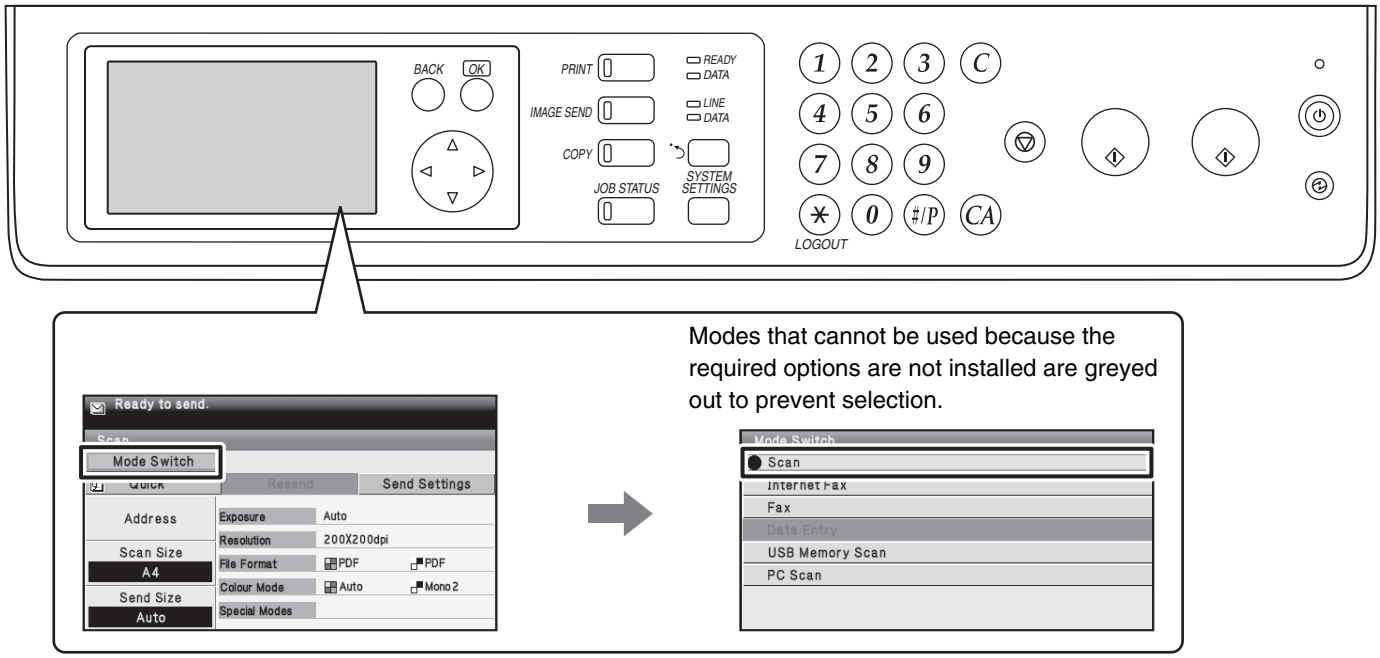
If a communication error occurs or the other fax machine does not answer the call within a preset period of time, transmission will be re-attempted automatically after a preset interval.

To cancel transmission...
Cancel the transmission from the job status screen.
☞ STOPPING A SCAN JOB BEING TRANSMITTED OR WAITING TO BE TRANSMITTED (page 5-106)

System Settings (Administrator): Recall in Case of Communication Error (Web page only)
This is used to set the number of recall attempts and the interval between attempts when a transmission fails due to an error.

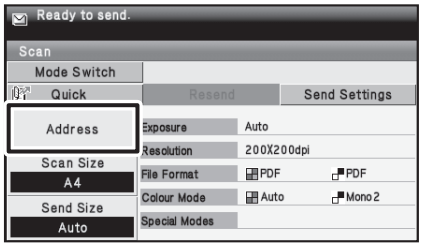
BASE SCREEN

Scan mode, Internet fax mode, USB memory mode, and PC scan mode are operated by selecting settings and commands in the base screens of these modes. To display the base screen of a mode, press the [IMAGE SEND] key and select the desired mode in [Mode Switch].

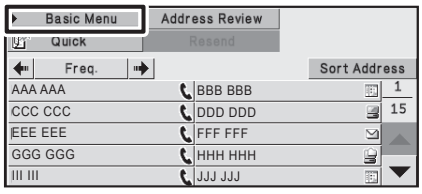


When sending an image, you can use a transmission destination stored in the Address Book. The Address Book screen is shared by scan mode, Internet fax mode, fax mode and data entry mode.
To switch to the Address Book screen from the base screen, select the [Address] key and then the [Address Book] key and press the [OK] key. To switch to the base screen from the Address Book screen, select the [Basic Menu] key and press the [OK] key.

Base screen of scan mode



Address Book screen



- This manual uses the base screen of scan mode as an example when operations common to all modes are explained.
- The procedures in this manual assume that the base screen of scan mode appears when the [IMAGE SEND] key is pressed.

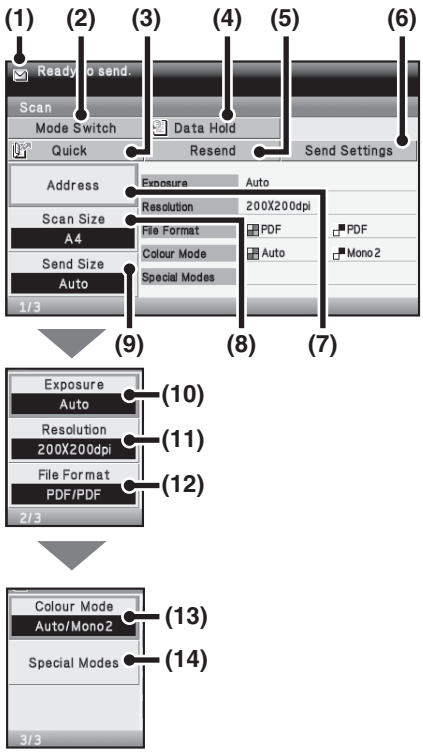
System Settings (Administrator): Default Display Setting
One of the following screens can be selected for the initial screen that appears when the [IMAGE SEND] key is pressed.
- Base screen of each mode (scan mode, Internet fax mode, fax mode and data entry mode)
- Address book screen

Contents

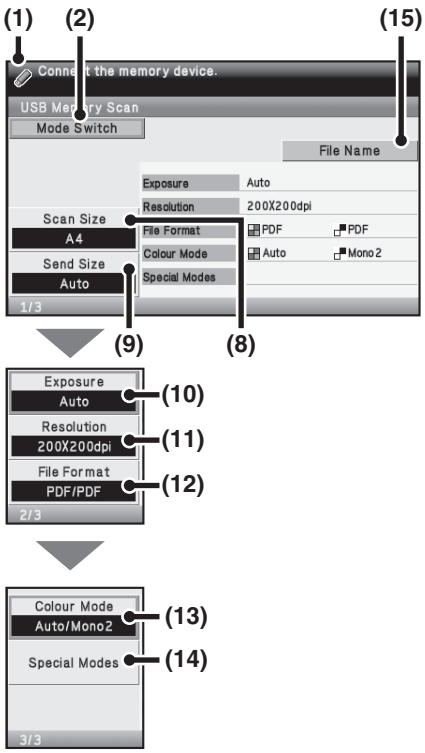
BASE SCREENS

Settings are selected in the base screen of each mode.

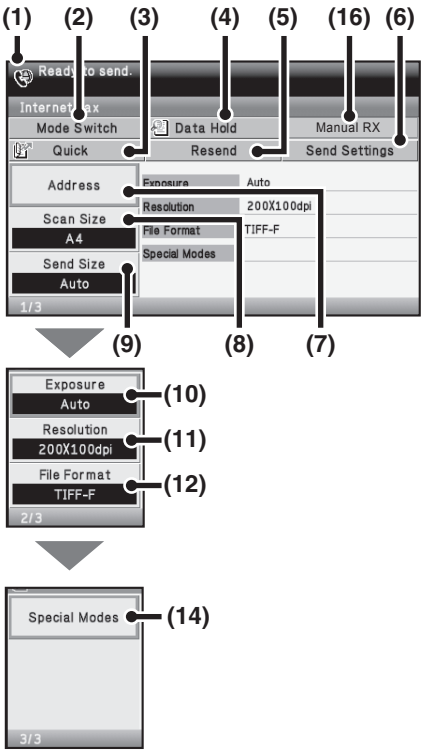
Base screen of scan mode



Base screen of USB memory mode



Base screen of Internet fax mode



(1) Various messages are displayed here.

The icon of the selected mode appears on the left.

(2) [Mode Switch] key

Select one of these tabs to change the image send mode. Modes that cannot be used because the corresponding options are not installed do not appear.

☞ BASE SCREEN (page 5-12)

(3) [Quick] key

Select this key to specify a destination using a search number*.

* 3-digit number assigned to a destination when it is stored.

☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 5-26)

(4) [Data Hold] key

When "Hold Setting for Received Data Print" or "Received Data Image Check Setting" is enabled in the system settings (administrator), this will appear when an Internet fax is received.

: Only "Hold Setting for Received Data Print" is enabled

: Only "Received Data Image Check Setting" is enabled

: Both settings are enabled

☞ PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print) (page 5-111)
☞ CHECKING THE IMAGE BEFORE PRINTING (page 5-112)

(5) [Resend] key/[Next Address] key

The destinations of the most recent 8 transmissions by Scan to E-mail, fax and/or Internet fax are stored. Select this key to select one of these destinations. After a destination is selected, this key changes to the [Next Address] key.

☞ USING THE RESEND FUNCTION (page 5-31)
☞ RETRIEVING A DESTINATION (page 5-23)

(6) [Send Settings] key

Select this key to select or enter the subject, file name, sender name, or body text, which has been previously stored in the Web page.

Scan modes:

☞ CHANGING THE SUBJECT, FILE NAME, REPLY-TO, AND BODY TEXT (page 5-36)

Internet fax mode:

☞ CHANGING THE SUBJECT, FILE NAME, AND BODY TEXT (page 5-49)

(7) [Address] key

Select this key to use a one-touch key or a group key.

☞ RETRIEVING A DESTINATION FROM THE ADDRESS BOOK (page 5-22)

(8) [Scan Size] key

Image settings (original size, duplex setup, image orientation) can be selected.

☞ IMAGE SETTINGS (page 5-58)

Contents

(9) [Send Size] key

Select this key to specify the send size of the original.

☞ Specifying the send size of the image (page 5-65)

(10) [Exposure] key

Select this key to select the exposure for scanning.

☞ CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 5-67)

(11) [Resolution] key

Select this key to select the resolution for scanning.

☞ CHANGING THE RESOLUTION (page 5-69)

(12) [File Format] key

Select this key to change the format (file type) of the scanned image file.

☞ CHANGING THE FILE FORMAT (page 5-70)

(13) [Colour Mode] key

Select this key to select the colour mode for scanning. This key does not appear in Internet fax mode.

☞ CHANGING THE COLOUR MODE (page 5-75)

(14) [Special Modes] key

Select this key to use a special mode.

☞ SPECIAL MODES (page 5-77)

(15) [File Name] key

Select this key to enter a file name when storing a file to USB memory.

☞ ENTERING A FILE NAME (page 5-44)

(16) [Manual RX] key

select this key to receive an Internet fax manually.

☞ MANUALLY RECEIVING INTERNET FAXES (page 5-110)

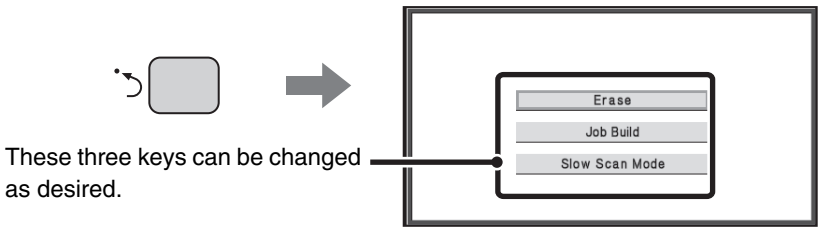
Customizing displayed keys

Keys for special modes and other settings can be stored as shortcut keys. Set these keys to functions that you frequently use to access the functions with a single select. The customized keys are configured using "Customize Key Setting" in the Web pages. The following keys appear by factory default:

- **[Program] key, [Global Address] key**
  Select to use the Program function or a Global Address book.
  ☞STORING SCAN OPERATIONS (Programs) (page 5-79)
  ☞RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK (page 5-29)
- **[Address Review] key**
  Select this key to display a list of the destinations that have been selected in the address book. This is the same key as the [Address Review] key in the address book screen.

In USB memory mode...
Customized keys do not initially appear, however, up to three keys can be added.

Example: When "Erase", "Job Build", and "Slow Scan Mode" are assigned to the customized keys

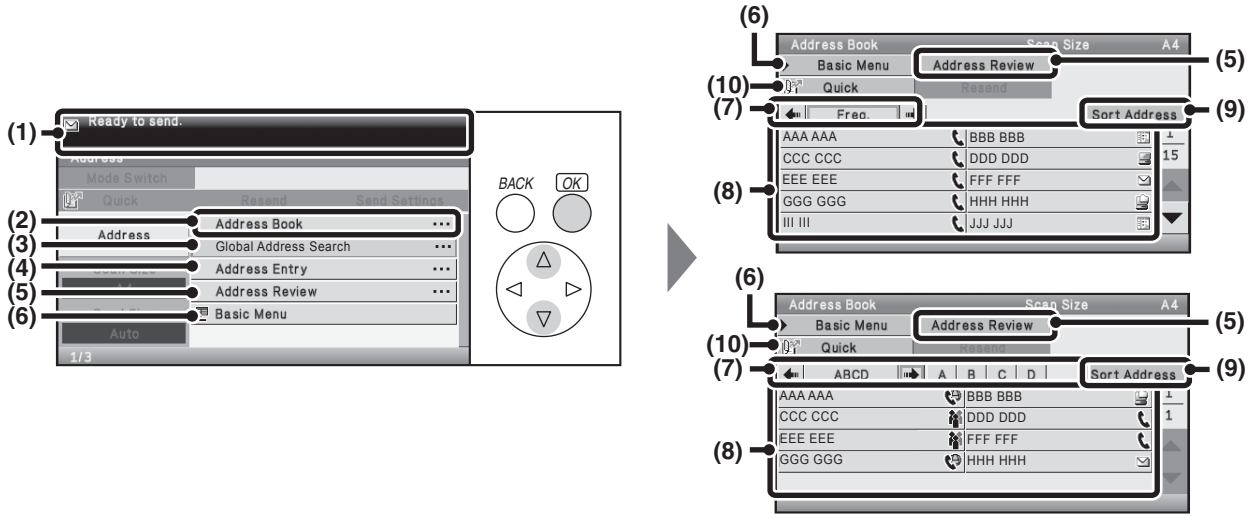


The functions that can be selected for the customized keys vary depending on the mode.

System Settings (Administrator): Customize Key Setting (Web page only)
Registration is performed in [System Settings] - [Operation Settings] - "Customize Key Setting" in the Web page menu.

ADDRESS BOOK SCREEN

This screen is used to select transmission destinations.



(1) This shows the selected destination.

(2) [Address Book] key

Select this key to specify a destination (one-touch key).

(3) [Global Address Search] key

When the use of a LDAP server has been enabled in the machine's Web pages, a transmission address can be obtained from a global address book.

☞ RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK (page 5-29)

(4) [Address Entry] key

Select this key to manually enter a destination address instead of using a one-touch key.

☞ ENTERING AN ADDRESS MANUALLY (page 5-27)

(5) [Address Review] key

Select this key to view a list of the destinations that have been selected or to enter a selected destination (one-touch key).

Destination selections can also be changed.

☞ CHECKING AND DELETING THE SELECTED DESTINATIONS (page 5-25)

(6) [Basic Menu] key

Select this key to select transmission settings. When the key is selected, the base screen appears.

☞ BASE SCREENS (page 5-13)

(7) Index tabs

Select this to change the displayed index tab.

☞ Index display (page 5-18)

(8) One-touch key display

The destinations (one-touch keys) stored in each index are displayed. Keys in which destinations and groups are stored are called one-touch keys.

☞ RETRIEVING A DESTINATION (page 5-23)

(9) [Sort Address] key

Select to change the index tabs to custom indexes or to display one-touch keys by send mode.

☞ CHANGING THE DISPLAY OF ONE-TOUCH KEYS IN THE ADDRESS BOOK SCREEN (page 5-17)

(10) [Quick] key

Select this key to specify a destination using a search number*.

* A 3-digit number assigned to a one-touch key or group key when it is stored.

☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 5-26)

- Icons appear in the one-touch keys in the address book to indicate which mode is used for transmission. ☞RETRIEVING A DESTINATION FROM THE ADDRESS BOOK (page 5-22)
- For information on storing addresses in the address book, see "STORING DESTINATION ADDRESSES FOR EACH SCAN MODE IN THE ADDRESS BOOK" (page 5-6).
- For information on storing destinations for Scan to Desktop, see "STORING A DESTINATION FOR SCAN TO DESKTOP" (page 5-10).

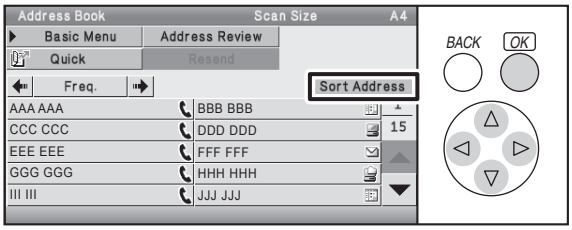
- **System Settings (Administrator): The Number of Direct Address Keys Displayed Setting**
  This is used to change the default setting for the number of one-touch keys displayed in the address book screen.
- **System Settings (Administrator): Bcc Setting (Web page only)**
  This setting enables or disables Bcc delivery. When this setting is enabled, switching to the [Bcc] key is possible in the address review screen.
- **System Settings (Administrator): Default Display Settings**
  One of the following screens can be selected for the initial screen that appears when the [IMAGE SEND] key is pressed.
  - Base screen of each mode (scan, Internet fax, fax, or data entry mode)
  - Address book screen
- **System Settings (Administrator): Address Book Default Selection**
  The following settings are available for the method of sorting the addresses that appear in the address book.
  - Index type (alphabetical, custom)
  - Address type (all, group, E-mail, FTP/Desktop, Network Folder, Internet fax, fax)

CHANGING THE DISPLAY OF ONE-TOUCH KEYS IN THE ADDRESS BOOK SCREEN

You can show destinations of only a specific transmission mode in the address book screen, or change the displayed index tabs from the alphabetical tabs to the custom tabs. The procedure for selecting destinations does not change.

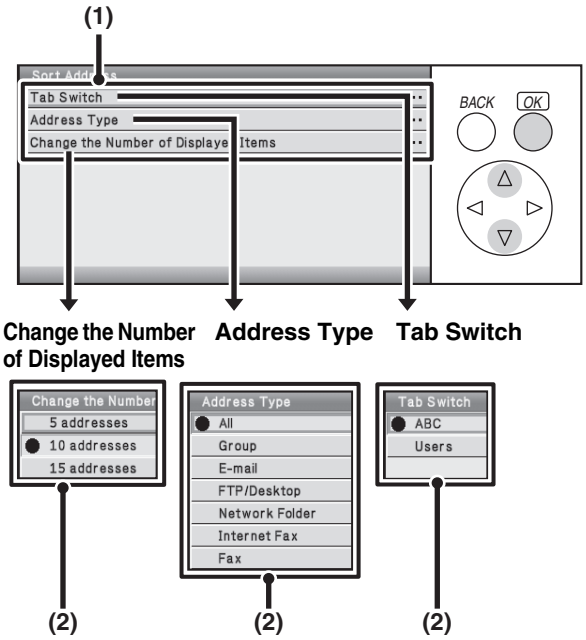
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Sort Address] key.

2



Change the display mode.

(1) Select the key of the mode or tab that you wish to display.

- To change the index tabs, select the [Tab Switch] key.
- To show only the one-touch keys of a particular send mode, select the desired mode key under "Address Type".
- To change the number of destinations (one-touch keys) displayed at once in the address book screen, select the [Change the Number of Displayed Items] key and then select 5, 10, or 15 destinations.

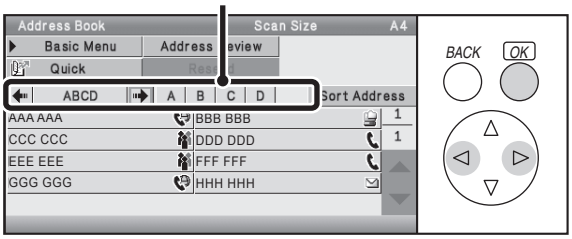
(2) Select the display method and press the [OK] key.

Contents

Index display

Indexes make it easy to search for a destination (one-touch key). The destinations are displayed separately using alphabetical search characters and index numbers. To display a stored destination, select the appropriate index tab. It is convenient to store frequently used destinations in the [Freq.] index. Specify that a destination be displayed in the [Freq.] index when you store the destination.

Index tabs



For example, when keys from "A" to "D" appear, you can select the [B] key to show only destinations starting with the letter "B". To cancel, select the key again. Note that the search letter range cannot be narrowed on the [Freq.] tab, the [etc.] tab, or on a user index tab.
The destinations can also be displayed in alphabetical order by initial.
Each time the displayed index tab is selected, the display order changes in the following order: search numbers (page 5-26), ascending names, descending names. When the display order is changed, the display order of the other index tabs also changes.

Ordered by search number (default) **Ascending names** **Descending names**



Index names can be changed using "Custom Index" in the Web page menu, allowing you to create groups of one-touch keys that can be easily recognized.

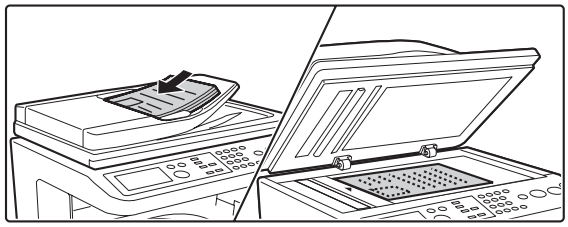
System Settings: Custom Index (page 5-9)
This setting is used to store custom index names. The custom index where a one-touch key appears is specified when the transmission destination is stored in the key. Store in [Address Book] > [Custom Index] in the Web page menu.

Contents

SCAN SEND SEQUENCE

This section explains the basic procedure for scanning and transmission. Select settings in the order shown below to ensure smooth transmission.
For the detailed procedures for selecting the settings, see the explanation of each setting in this chapter.

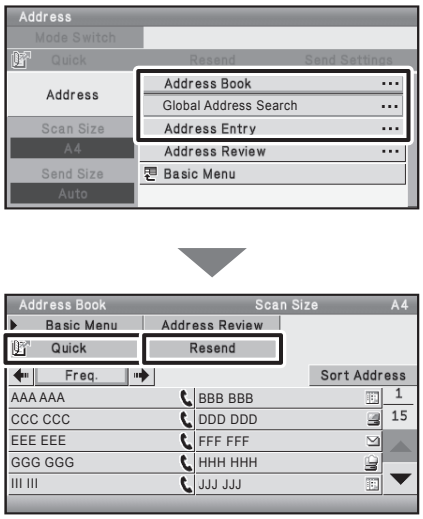
Place the original



Place the original in the document feeder tray of the automatic document feeder, or on the document glass.

☞ SENDING AN IMAGE IN SCAN MODE (page 5-32)
☞ SENDING AN IMAGE IN USB MEMORY MODE (page 5-39)
☞ SENDING A FAX IN INTERNET FAX MODE (page 5-45)

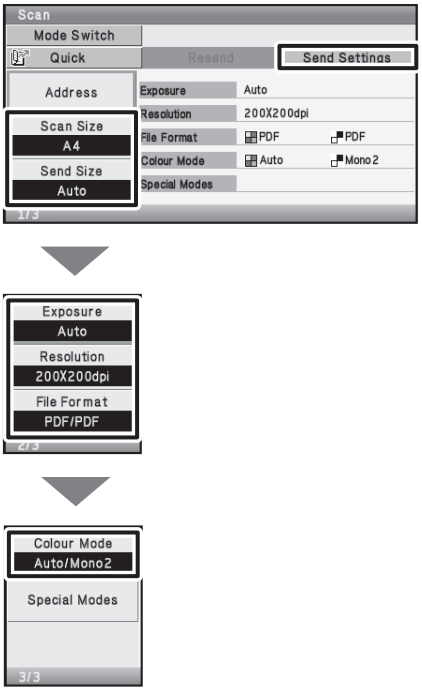
Enter the destination



Specify the destination of the scan transmission.

- [Address Book] key:
  ☞ RETRIEVING A DESTINATION FROM THE ADDRESS BOOK (page 5-22)
- [Global Address Search] key:
  ☞ RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK (page 5-29)
- [Address Entry] key:
  ☞ ENTERING AN ADDRESS MANUALLY (page 5-27)
- [Quick] key:
  ☞ USING A SEARCH NUMBER TO RETRIEVE A DESTINATION (page 5-26)
- [Resend] key:
  ☞ USING THE RESEND FUNCTION (page 5-31)

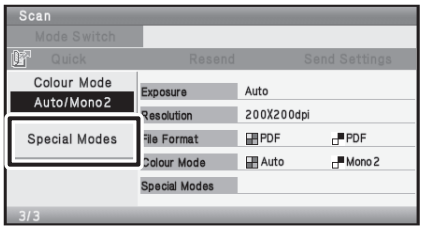
Select settings



Settings can be selected for scanning the original.

- [Scan Size] key (Scan Size, Duplex Setup, Image Orientation)
- [Send Size] key
  ☞ Specifying the send size of the image (page 5-65)
- Exposure • Resolution • File Format • Colour Mode
  ☞ IMAGE SETTINGS (page 5-58)
- Send Settings (File Name)
  Scan mode, Data entry mode:
  ☞ CHANGING THE SUBJECT, FILE NAME, REPLY-TO, AND BODY TEXT (page 5-36)
  USB memory mode:
  ☞ ENTERING A FILE NAME (page 5-44)
  Internet fax mode:
  ☞ CHANGING THE SUBJECT, FILE NAME, AND BODY TEXT (page 5-49)

Special mode settings



Special modes can be selected.
☞ SPECIAL MODES (page 5-77)

Start scanning and transmission

Start scanning and transmission.

If the original is placed on the document glass, follow these steps to start scanning and transmission:
(1) Press the [COLOUR START] key or the [BLACK & WHITE START] key.
(2) When scanning is finished, replace the original with the next original.
(3) Press the [COLOUR START] key or the [BLACK & WHITE START] key.
(4) Repeat (2) and (3) until all originals have been scanned.
(5) Select the [Read-End] key.

- The [COLOUR START] key cannot be used in Internet fax mode.
- After the original is scanned, the settings revert to the default settings.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

System Settings (Administrator): Default Display Settings
The settings can be kept in effect a fixed period of time after scanning is completed.

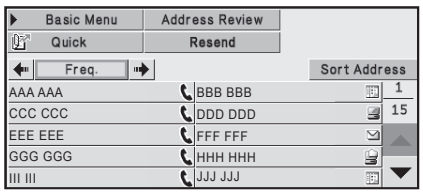
Contents

ENTERING DESTINATIONS

This section explains how to specify destination addresses, including selecting an address from the address book and retrieving an address by entering a search number.

RETRIEVING A DESTINATION FROM THE ADDRESS BOOK

The address book screen shows stored destinations as one-touch keys.
The destinations are displayed in order by search number.



The address book screen shows the destinations of all modes of the image send function. Each one-touch key shows the name of the destination and an icon indicating the mode to be used.

Icon	Mode
	Fax
	Scan to E-mail
	Internet fax (Direct SMTP)
	Scan to FTP
	Scan to Network Folder
	Scan to Desktop
	Group key with multiple destinations

- For information on storing addresses in the address book, see "STORING DESTINATION ADDRESSES FOR EACH SCAN MODE IN THE ADDRESS BOOK" (page 5-6).
- For information on storing destinations for Scan to Desktop, see "STORING A DESTINATION FOR SCAN TO DESKTOP" (page 5-10).

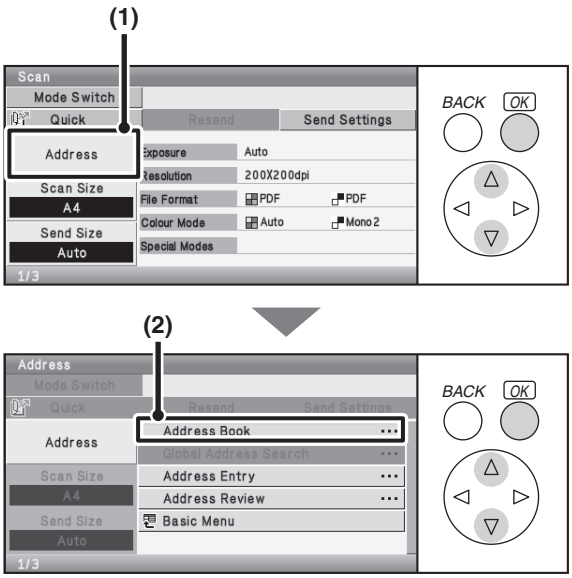
Contents

RETRIEVING A DESTINATION

A destination is retrieved by selecting its one-touch key.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

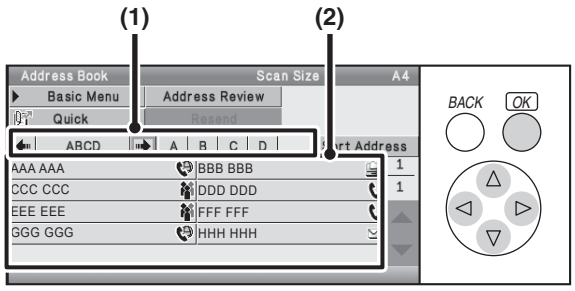


Display the address book screen.

(1) Select the [Address] key.

(2) Select the [Address Book] key.

2



Specify the destination.

(1) Select the index tab where the destination is stored.

☞ Index display (page 5-18)

(2) Select the one-touch key of the desired destination.

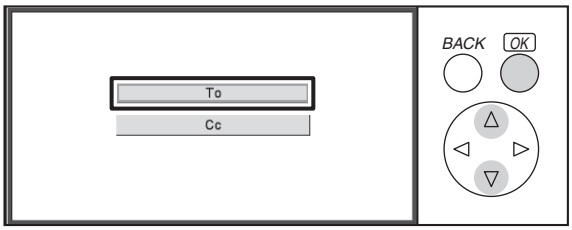
If you select an incorrect destination, press the [OK] key again to cancel the selection.

It is convenient to store frequently used destinations in the [Freq.] index. Specify that a destination be displayed in the [Freq.] index when you store the destination.

Contents

3

Scan mode



Select the recipient.

(1) If you are in scan mode, select the key of the desired delivery method.

Normally the [To] key is selected. This specifies that the entered e-mail address will be a recipient.

(2) Press the [OK] key.

- If you wish the recipient to be a Cc recipient, select the [Cc] key and press the [OK] key.
- The [Bcc] key only appears when Bcc has been enabled using "Bcc Setting" (Web page only) in the system settings (administrator). If you wish the recipient to be a Bcc recipient, select the [Bcc] key and press the [OK] key.
- **To continue specifying other destinations...**
  It is possible to specify multiple scan mode (Scan to E-mail, Scan to FTP, Scan to Desktop), Internet fax, and fax mode destinations when performing a broadcast transmission (maximum of 500 destinations). To specify multiple destinations, repeat steps 2 through 3.
  When performing Scan to E-mail, you can select a one-touch key and then select the [Cc] key or the [Bcc] key to send Cc or Bcc copies of the e-mail.

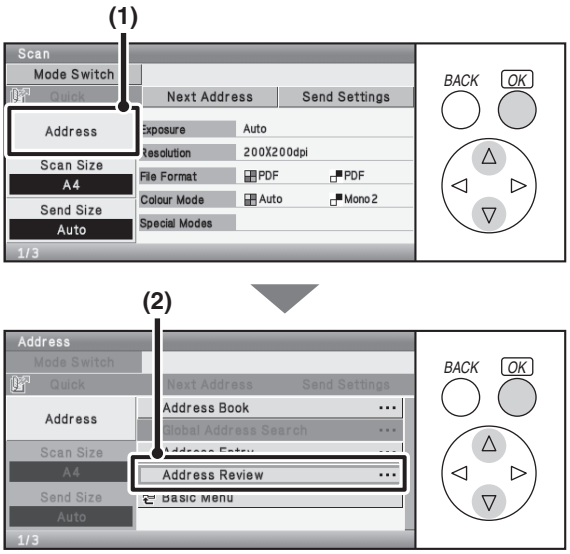
- **System Settings (Administrator): Bcc Setting (Web page only)**
  This setting enables or disables Bcc delivery. When this setting is enabled, the [Bcc] key is displayed in the address review screen.
- **System Settings (Administrator): Must Input Next Address Key at Broadcast Setting**
  This setting determines whether or not the [Next Address] key can be omitted before specifying the next destination.
  Factory default setting: the [Next Address] key can be omitted.
- **System Settings (Administrator): Disable Switching of Display Order**
  This is used to disable switching of the order of display of the one-touch keys in the address book screen. The currently selected display order will be the order that is used after this setting is enabled.

CHECKING AND DELETING THE SELECTED DESTINATIONS

When multiple destinations have been selected, you can display and check the destinations. You can also delete a destination from the list (cancel selection of the destination).

Keys in the display can be selected with the arrow keys and the [OK] key.

1

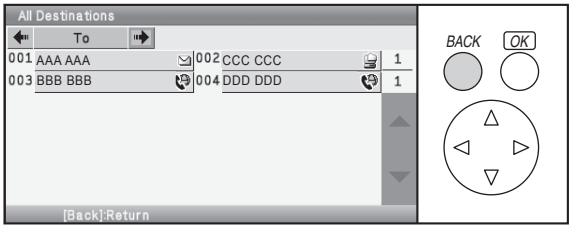


Display the address review screen.

(1) Select the [Address] key.

(2) Select the [Address Review] key.

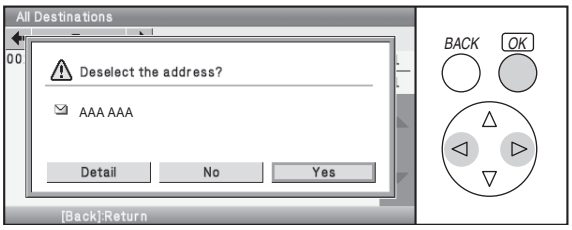
2



Check the destinations and then press the [BACK] key.

To check Cc or Bcc recipients, select either of the keys and press the [OK] key.

To cancel selection of a destination...
select the one-touch key of the destination that you wish to cancel. A confirmation prompt will appear.
Select the [Yes] key and press the [OK] key. To check the type and name of the specified recipient, select the [Detail] key and press the [OK] key.



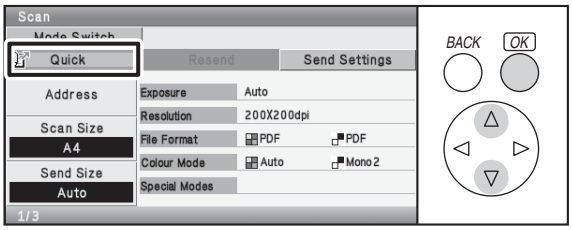
Contents

USING A SEARCH NUMBER TO RETRIEVE A DESTINATION

A destination stored in the address book can be retrieved using the [Quick] key. This can be done in the base screen of any of the modes or in the address book screen.

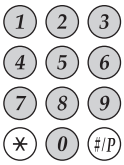
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Quick] key.

2



Enter the 3-digit search number of the address with the numeric keys.

When the 3-digit search number is entered, the stored address is retrieved and specified as a destination.

- The search number is programmed when the destination is stored in the address book.
- If you do not know the search number, print the one-touch address list using "Sending Address List" in the system settings.
- When entering search numbers such as "001" and "011", "0" can be omitted. For example, to enter "001", enter "1", select the [Quick] key or the [Next Address] key, and press the [OK] key.

If an incorrect search number is entered...

Press the [CLEAR] key (C) to clear the number and enter the correct number.

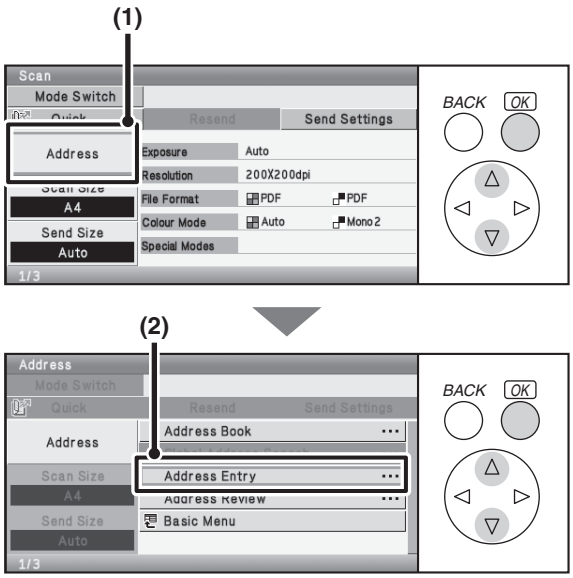
Contents

ENTERING AN ADDRESS MANUALLY

Scan to E-mail, Internet fax and data entry mode addresses can be manually entered.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



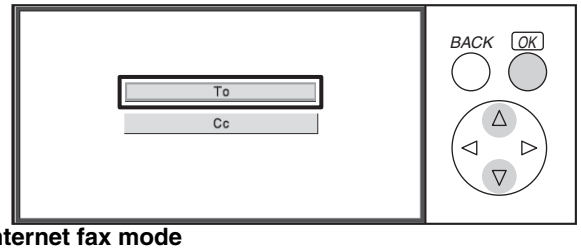
Display the address input screen.

(1) Select the [Address] key.

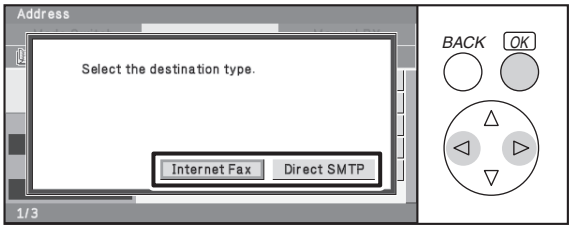
(2) Select the [Address Entry] key.

2

Scan mode



Internet fax mode



Enter the destination address.

(1) If you are in scan mode, select the desired delivery method and press the [OK] key.

- Normally select the [To] key and press the [OK] key. This specifies that the entered e-mail address will be a recipient.
- If Internet fax mode is selected, select the [Internet Fax] key or the [Direct SMTP] key and press the [OK] key.

(2) Enter the destination address in the text entry screen that appears.

Enter the destination address and press the [OK] key. For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

- If you wish the destination to be a Cc destination, select the [Cc] key.
- The [Bcc] key only appears when Bcc has been enabled using "Bcc Setting" (Web page only) in the system settings (administrator). If you wish the destination to be a Bcc destination, select the [Bcc] key.
- When Internet fax mode is selected, the base screen appears after the destination address is entered. However, if "I-Fax Reception Report On/Off Setting" (Web page only) is enabled in the system settings (administrator), the reception report request screen will appear. If you wish to receive a report, select [Yes] and press the [OK] key. If not, select [No] and press the [OK] key. (When Direct SMTP is used, transmission confirmation is not performed.)

Contents

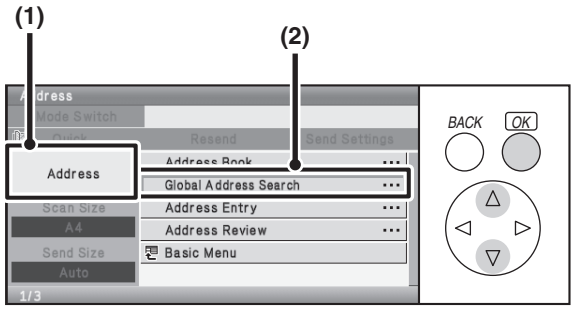
- **System Settings (Administrator): I-Fax Reception Report On/Off Setting (Web page only)**
  This setting is used to request a reception report when an Internet fax is sent. When the destination is specified by directly entering the address, a message will appear asking you if you wish to receive a report. (When Direct SMTP is used, transmission confirmation is not performed.)
- **System Settings (Administrator): Bcc Setting (Web page only)**
  This setting enables or disables Bcc delivery. When this setting is enabled, the [Bcc] key is displayed in the address review screen and the delivery type selection screen.

RETRIEVING A DESTINATION FROM A GLOBAL ADDRESS BOOK

When a LDAP server is configured in the Web pages, you can look up an address in a global address book and retrieve the address for Scan to E-mail or Internet fax transmission (excluding Direct SMTP addresses).

Keys in the display can be selected with the arrow keys and the [OK] key.

1

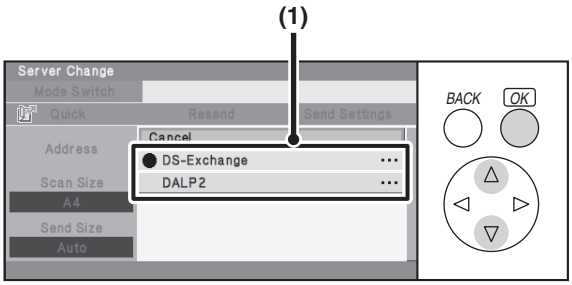


Open the global address search screen.

(1) Select the [Address] key in the base screen.

(2) Select the [Global Address Search] key.

2



Search for the destination.

If only one LDAP server has been stored, (1) and (2) are not necessary. Go directly to (3). If an authentication screen for the LDAP server appears, enter your user name and password.

(1) Select the key of the LDAP server that you wish to use.

If an authentication screen for the LDAP server appears, enter your user name and password.

(2) Search for the destination in the search screen.

Enter search characters for the recipient. Select the [Search] key and press the [OK] key. The search results will appear after a brief interval.
For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

How to search

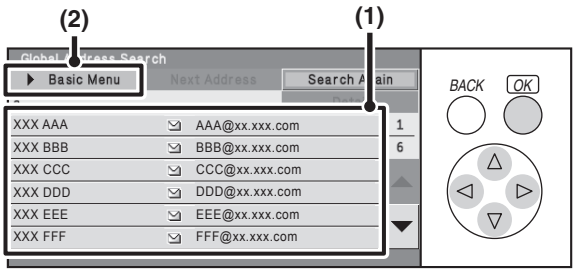
Enter the search characters (maximum of 64 characters). The system will look for names starting with the entered letters.

An asterisk ✳ can be used as follows:

XXX✳: Names beginning with "XXX".
✳XXX: Names that end with "XXX".
✳XXX✳: Names that include "XXX".
AA✳XX: Names that start with "AA" and end with "XX".

Contents

3



Select the key of the desired destination.

- If no names are found that match the search characters, a message will appear. Press the [OK] key to close the message. To search again, select the [Search Again] key and press the [OK] key.
- If you wish to enter another recipient, select the [Next Address] key and then repeat this step.

- If 30 or more matches are found, a message will appear in the screen. Select the [OK] key to close the message. Up to 300 matches can appear. If no names are found that match the search letters, select the [Search Again] key and press the [OK] key to search again using additional search letters.
- **To check the information stored in a destination...**
  After selecting the recipient, select the [Detail] key and press the [OK] key. The information stored for the selected destination will appear. Check the information and then press the [BACK] key to return to the search results screen.
- **If a screen for selecting the item to be used appears...**
  If the selected destination includes a fax number, telephone number, or other contact information in addition to the e-mail address or Internet fax address, you will need to select which item you wish to use. Select the [E-mail] key or the [Internet Fax] key to retrieve the address for Scan to E-mail or Internet fax transmission.

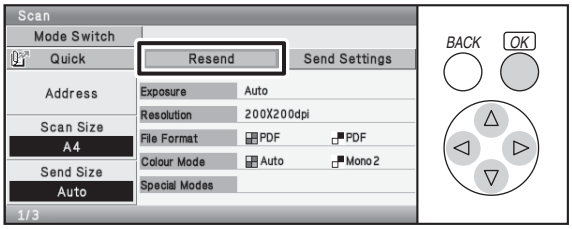
Contents

USING THE RESEND FUNCTION

The destinations of the most recent 8 transmissions by Scan to E-mail, Internet fax (including Direct SMTP addresses) and/or fax are stored. One of these can be selected to resend to that destination.

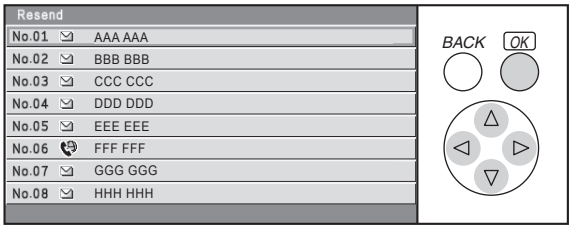
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Resend] key.

2



Select the key of the desired address.

The last 8 addresses used for transmission are displayed.

- When the [Resend] key is selected and a destination selected, the mode of the selected destination is automatically selected.
- The following types of addresses are not stored for resending.
  - A one-touch key in which multiple destinations are stored (group key).
  - Scan to FTP, Scan to Desktop, and Scan to Network Folder addresses.
  - Broadcasting destinations
  - Addresses used only for BCC delivery
  - Destinations transmitted to using a program

System Settings (Administrator): Disable [Resend] on Fax/Image Send Mode (Web page only)
This prohibits use of the resend function. When this setting is enabled, the [Resend] key cannot be used in the base screen of image send mode.

Contents

TRANSMITTING AN IMAGE

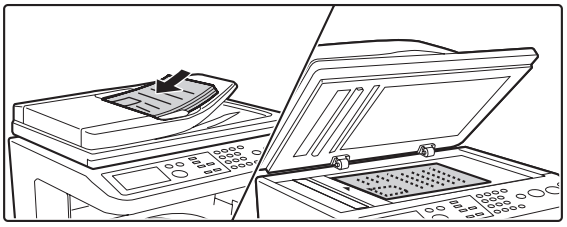
SENDING AN IMAGE IN SCAN MODE

This section explains the basic procedure for transmission in scan mode (Scan to E-mail, Scan to FTP, Scan to Desktop, and Scan to Network Folder).

When a default address is configured in "Default Address Setting" (Web page only) in the system settings (administrator), the mode cannot be changed, the destination cannot be changed, and destinations cannot be added. If you wish to change the mode or recipient, select the [Cancel] key in the display, press the [OK] key, and then follow the procedure below.

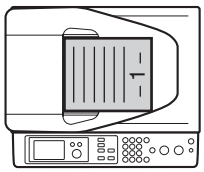
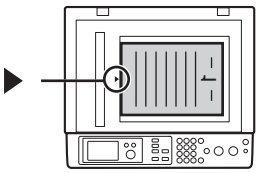
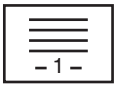
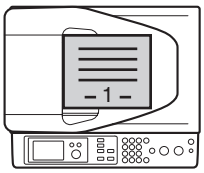
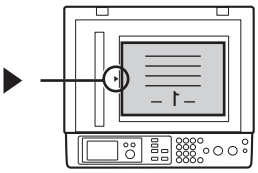
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the original.

- When placing the originals, orient them as shown below.

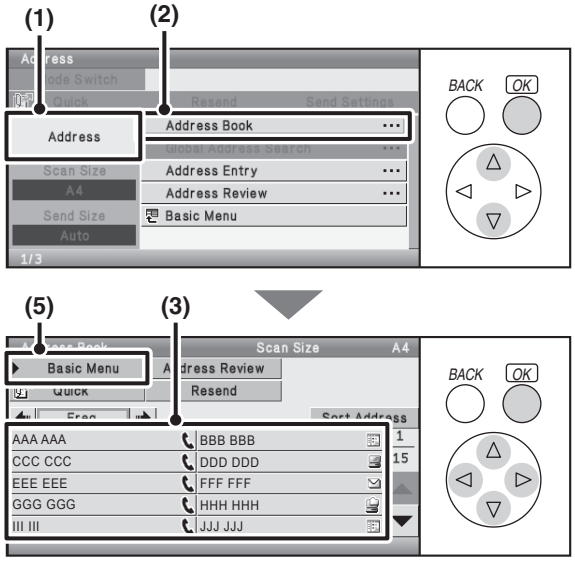
Originals	Document feeder tray Place the original face up.	Document glass Place the original face down with the middle aligned with the tip of the ▶ mark at the middle of the scale on the left side of the document glass.
Portrait orientation* 		
Landscape orientation 		

* To place a large portrait-oriented original, place it as shown above in "Landscape orientation" and specify the placement orientation in step 3.

- Originals cannot be scanned in succession from both the automatic document feeder and the document glass and sent in a single transmission.

Contents

2



Specify the destination.

(1) Select the [Address] key in the base screen.

(2) Select the [Address Book] key.

(3) Select the one-touch key of the desired destination.

The icon on the key indicates the type of destination stored in the key.

: Scan to E-mail

: Scan to FTP

: Scan to Network Folder

: Scan to Desktop

(4) Select the delivery method.

The destination is specified.

(5) Select the [Basic Menu] key.

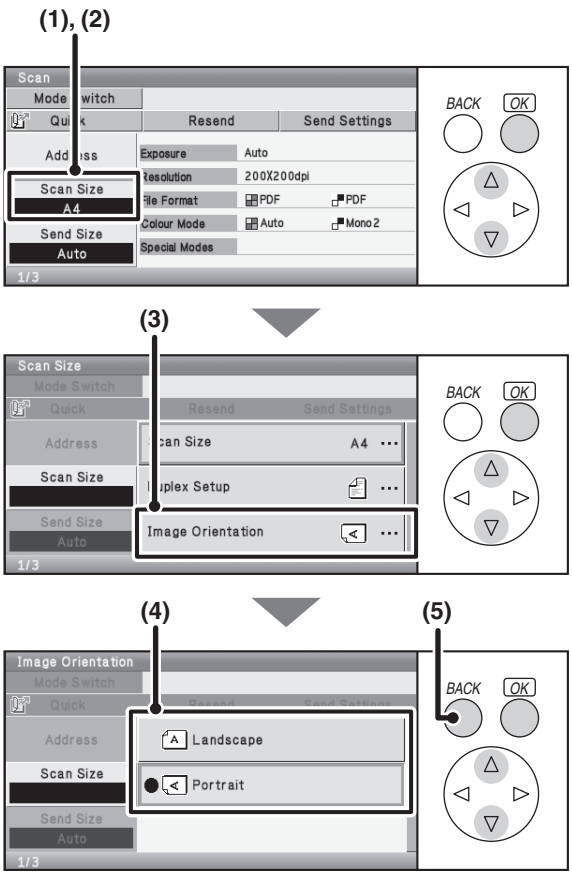
- After selecting a one-touch key, if you change the screen without selecting the delivery method, the recipient will be automatically specified as a "To" recipient.
- When performing Scan to E-mail, you can also send Cc or Bcc copies to other destinations. In the screen that appears in (3), select the [Cc] key or the [Bcc] key and press the [OK] key.
- Multiple destinations can be specified. To specify multiple destinations, repeat steps (3) and (4).
- In addition to specification by a one-touch key, a destination can also be specified by a search number. For a Scan to E-mail destination, you can enter an address manually or retrieve an address from a global address book. For more information, see "ENTERING DESTINATIONS" (page 5-22).

System Settings (Administrator): Bcc Setting (Web page only)

This setting enables or disables Bcc delivery. When this setting is enabled, the [Bcc] key is displayed in the delivery type selection screen.

Contents

3



Check the original scan size and placement orientation.

To make sure that the original is scanned in the correct orientation (the orientation in which the top edge of the original appears at the top of the display), check the size and orientation of the original placed in step 1.

(1) Check the scan size.

Check if the size of the placed original is displayed in the [Scan Size] key. If the displayed size is different from the size of the placed original, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

(2) Select the [Scan Size] key.

(3) Select the [Image Orientation] key.

(4) Set the placement orientation of the original.

If the original is placed with the top edge at the top, select [Landscape] with the ▽ △ keys. If the top edge is placed to the left, select [Portrait]. Press the [OK] key.

(5) Press the [BACK] key.

You will return to the basic screen.

- The placement orientation of the original is initially set to [Portrait]. If you placed the original with the top edge to the left, this step is not necessary.
- The original size set in the system settings appears as the original size.

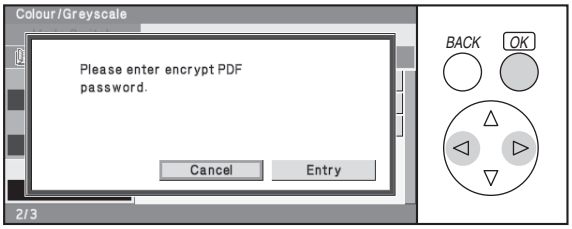
4

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

- If the original is placed on the document glass, the [Read-End] key appears in the display. If the original is only one page, go to step 6. To scan more pages, go to the next step.
- If the original was inserted in the document feeder tray, a beep will sound when scanning is completed and transmission will take place.

- To scan in full colour, press the [COLOUR START] key. To scan in black and white, press the [BLACK & WHITE START] key. If the colour mode of the [COLOUR START] key is set to [Auto], the colour of the original will be detected automatically and scanning in full colour, greyscale or Mono2 will take place.
- If the file type is [Encrypt PDF], a password entry screen will appear when the [START] key is pressed.



Select the [Entry] key and press the [OK] key to open the keyboard screen. Enter a password (maximum of 32 characters), and press the [OK] key. The recipient must use the password entered here to open the encrypted PDF file.

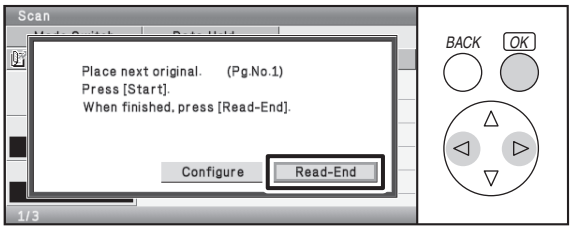
To cancel encrypted PDF, select the [Cancel] key and press the [OK] key. The format settings screen will appear to let you change the file type. Select a new file type and press the [START] key to begin transmission.

Contents

5 **If the original was placed on the document glass, replace it with the next original and press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Repeat until all originals have been scanned.

6



Select the [Read-End] key.

A beep will sound to indicate that the operation is completed.
Open the automatic document feeder and remove the original.

- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- To change the exposure, resolution, scan size, or send size for each original page scanned, select the [Configure] key and press the [OK] key. However, when "Card Shot" is selected in the special modes, only the exposure can be changed when scanning an even-numbered original page.

- When all originals have been scanned, "Job stored." will be displayed together with a job control number. This number can be used to locate the job in the Transaction Report or in the Image Sending Activity Report. If the job is a broadcast transmission, this number will also appear in the key of the job in the job status screen. For this reason, making a note of the number is useful for checking the result.
- If the memory becomes full while the originals are being scanned, a message will appear and scanning will stop.
- When performing Scan to E-mail, take care not to send a file that is too large. In particular, multi-page files tend to be large. When sending a multi-page file or other large file, it may be necessary to reduce the number of scanned pages or reduce the send size.
- **Storing a mail signature**
- You can have preset text automatically added at the end of e-mail messages as a mail signature. This is convenient when you wish to have a corporate policy or other preset text appear at the bottom of e-mail messages. To store the text for the mail signature, click [Application Settings], [Network Scanner Settings] and then [Administration Settings] in the Web page menu. (Administrator rights are required.) Up to 900 characters can be entered. (The mail signature is not included in the maximum number of characters that can be entered in the e-mail message.)
- **Add a Footer Automatically to the Mail Message Body**
  Use this setting to specify whether or not a mail signature is added at the end of e-mail messages. By factory default, a mail signature is not added. Store in [Application Settings] > [Network Scanner Settings] > [Administration Settings] in the Web page menu. (Administrator rights are required.)

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

System Settings (Administrator): Image Send Settings
Use this to configure scanner transmission settings, including the default resolution and exposure settings, the default colour mode and file format, the file compression method for broadcasting, the file size limit for Scan to E-mail, and the default sender and destination.

Contents

CHANGING THE SUBJECT, FILE NAME, REPLY-TO, AND BODY TEXT

The subject, file name, reply-to, and body text can be changed when performing a scan transmission. Preset items can be selected or text can be directly entered.

- When performing Scan to FTP, Scan to Desktop, or Scan to Network Folder, only the file name is used.
- If the subject and file name are not changed, the settings in the Web page are used.
- If the sender name is not changed, the name set in "Default Sender Set" (Web page only) in the system settings is used. If this is not configured, the reply address in [Network Settings] - [Services Settings] - [SMTP Settings] in the Web pages is used. (Administrator rights are required.)
- Selections for the subject, file name, and body text are configured by clicking [Application Settings] and then [Network Scanner Settings] in the Web page menu.
- For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

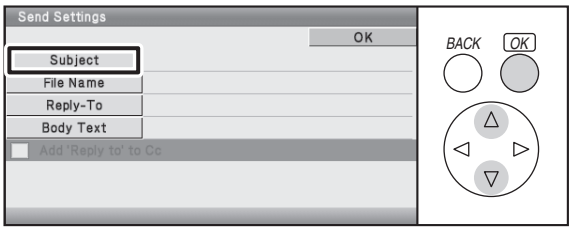
Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the [Send Settings] key in the base screen.

☞ BASE SCREENS (page 5-13)

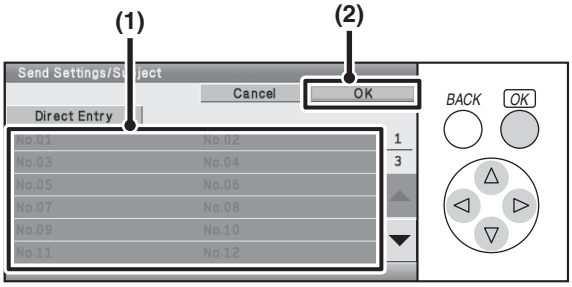
If you are sending to a Scan to FTP, Scan to Desktop, or Scan to Network Folder destination, go to step 4.

2



To change the subject, select the [Subject] key.

3



Enter the subject.

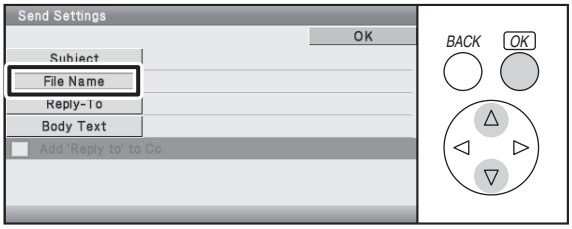
(1) Select a Pre-Set text key.

(2) Select the [OK] key.

- If you wish to directly enter the text, select the [Direct Entry] key and press the [OK] key. A text entry screen will open. Enter the text and press the [OK] key.
- To edit pre-set text, select the pre-set text, select the [Direct Entry] key, and press the [OK] key. The text entry screen will appear with the selected pre-set text entered. (When a destination is stored using the Web pages, up to 80 characters can be entered. However, only 54 characters can be entered in the display.)

Contents

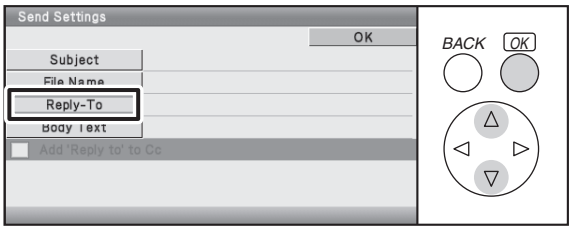
4



To change the file name, select the [File Name] key.

- The file name is entered in the same way as the subject.
- If you are sending to a Scan to FTP, Scan to Desktop, or Scan to Network Folder destination, go to step 9.

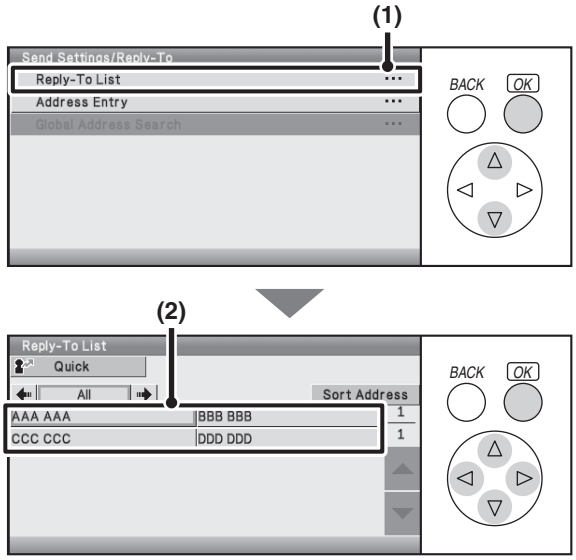
5



To change "Reply-To", select the [Reply-To] key.

If user authentication is being used, the information of the user that logged in will be applied, and thus "Reply-To" cannot be changed.

6



Specify a user for "Reply-To".

(1) Select the [Reply-To List] key.

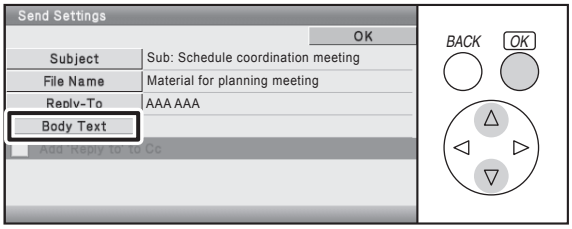
(2) Select the return address.

To specify a user stored in a global address book for "Reply-To", you can select the [Global Address Search] key and press the [OK] key.
You can also select the [Address Entry] key and press the [OK] key to directly enter an e-mail address.

- To specify the return address by entering a user number that has been stored in [User List] of [User Control] > [User List] in the Web page menu, select the [Quick] key and press the [OK] key. (Administrator rights are required.)
- To select a key for the return address, e-mail addresses must be set for the users stored in the [User List] of [User Control] > [User List] in the Web page menu. (Administrator rights are required.)

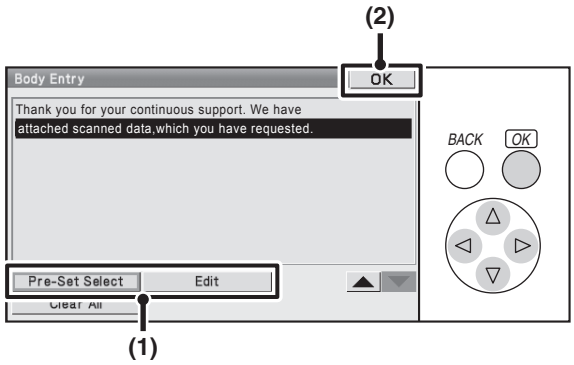
Contents

7



To change the body text, select the [Body Text] key.

8



Enter the body text.

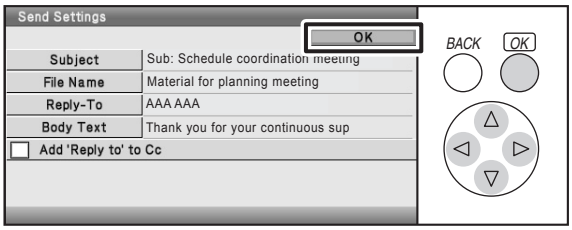
(1) Select with the ◁ ▷ keys.

- To select a pre-set text previously stored in the Web page, select the [Pre-Set Select] key and press the [OK] key.
- To directly enter the body text, select the [Edit] key and press the [OK] key.

(2) Select the [OK] key.

- 1800 characters can be entered. (A line break counts as one character.)
- To clear all entered text, select the [Clear All] key. When the [OK] key is pressed, the entire body of the message is erased immediately; not just the selected line.
- Each line of the entered text can be selected with the ▼ ▲ keys. To edit the selected line, select the [Edit] key. The text entry screen will appear with the selected text entered.

9



Select the [OK] key.

The [Add 'Reply to' to Cc] checkbox can be selected ☑ to send a Cc copy to the sender.

When storing pre-set text for the subject and file name in the Web pages, up to 80 characters can be entered.

- **System Settings (Administrator): The Number of File Name/Subject/Body Keys Displayed Setting**
  The setting for the number of subject keys and file name keys displayed in one screen can be changed to 6, 12, or 18.
- **System Settings (Administrator): Default Sender Set (Web page only)**
  This is used to store the sender name and e-mail address that is used when a sender is not selected.

Contents

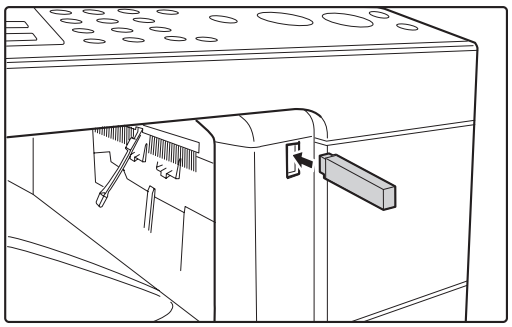
SENDING AN IMAGE IN USB MEMORY MODE

Follow the steps below to send a scanned image to a commercially available USB memory device that has been connected to the machine. This stores the file in the USB device.

- Use a FAT32 USB memory with a capacity of no more than 32 GB.
- When a default address is configured in "Default Address Setting" (Web page only) in the system settings (administrator), the mode cannot be changed. To switch to USB memory mode, select the [Cancel] key in the display, press the [OK] key, and follow the steps below.

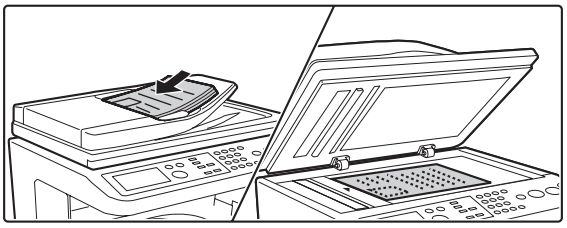
Keys in the display can be selected with the arrow keys and the [OK] key.

1



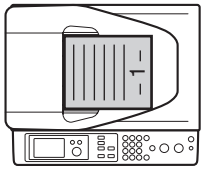
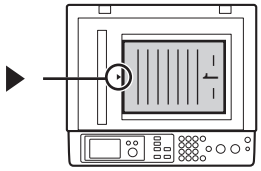
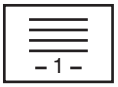
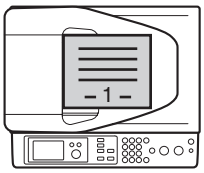
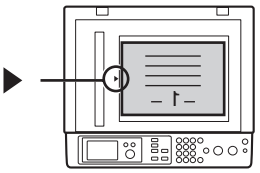
Connect the USB memory to the USB connector (Type A) on the machine.

2



Place the original.

- When placing the originals, orient them as shown below.

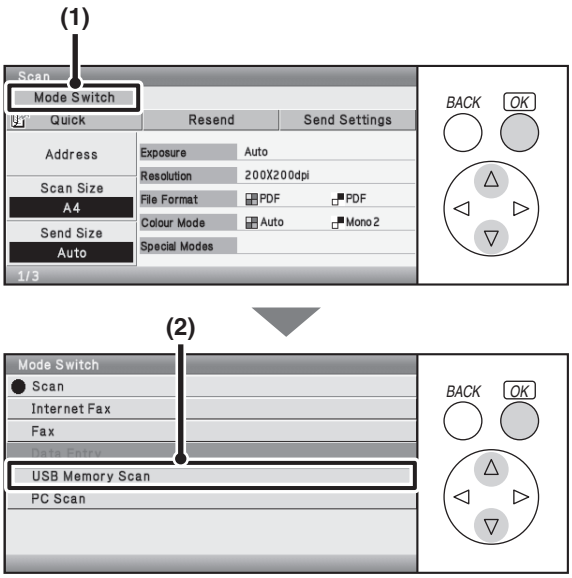
Originals	Document feeder tray Place the original face up.	Document glass Place the original face down with the middle aligned with the tip of the ▶ mark at the middle of the scale on the left side of the document glass.
Portrait orientation* 		
Landscape orientation 		

* To place a large portrait-oriented original, place it as shown above in "Landscape orientation" and specify the placement orientation in step 4.

- Originals cannot be scanned in succession from both the automatic document feeder and the document glass and sent in a single transmission.

Contents

3



Switch to USB memory mode.

(1) Select the [Mode Switch] key.

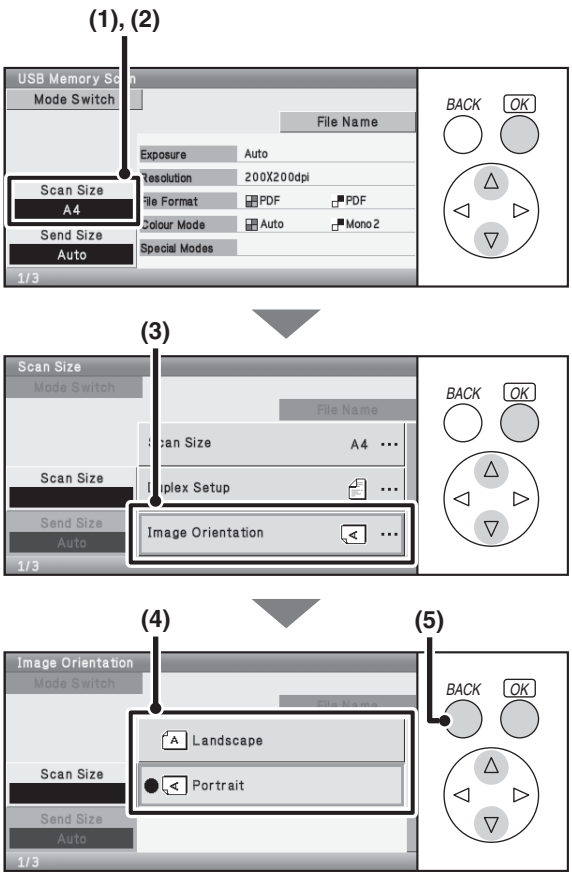
(2) Select the [USB Memory Scan] key.

- When scanning to USB memory, there is no need to specify the destination.
- If a destination of another mode has been previously specified, a message will appear when you change to USB memory mode indicating that the destination setting will be cleared. Select [OK], press the [OK] key, and go to the next step.
- The current settings of [Scan Size], [Send Size], [Exposure], [Resolution], [File Format], and [Colour Mode] are indicated in each key. The settings can be changed in the setting screens.

☞ AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original) (page 5-59), SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61), CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 5-67), CHANGING THE RESOLUTION (page 5-69), CHANGING THE FILE FORMAT (page 5-70), CHANGING THE COLOUR MODE (page 5-75), SPECIAL MODES (page 5-77)

Contents

4



Check the original scan size and placement orientation.

To make sure that the original is scanned in the correct orientation (the orientation in which the top edge of the original appears at the top of the display), check the size and orientation of the original placed in step 1.

(1) Check the scan size.

Check if the size of the placed original is displayed in the [Scan Size] key. If the displayed size is different from the size of the placed original, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

(2) Select the [Scan Size] key.

(3) Select the [Image Orientation] key.

(4) Set the placement orientation of the original.

If the original is placed with the top edge at the top, select [Landscape] with the ▽ △ keys. If the top edge is placed to the left, select [Portrait]. Press the [OK] key.

(5) Press the [BACK] key.

You will return to the basic screen.

- The placement orientation of the original is initially set to [Portrait]. If you placed the original with the top edge to the left, this step is not necessary.
- The original size set in the system settings appears as the original size.

Contents

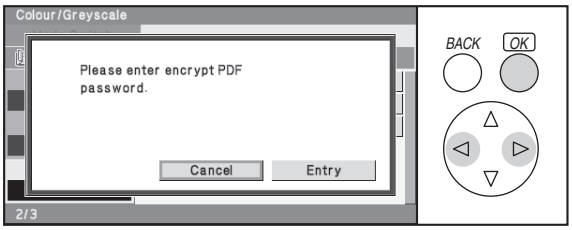
5 Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

- If the original is placed on the document glass, the [Read-End] key appears in the display. If the original is only one page, go to step 7. To scan more pages, go to the next step.
- If the original was inserted in the document feeder tray, a beep will sound when scanning is completed and transmission will begin. Go to step 8.

Do not disconnect the USB memory until "Sending data has been completed." appears in the display.

- To scan in full colour, press the [COLOUR START] key. To scan in black and white, press the [BLACK & WHITE START] key. If the colour mode of the [COLOUR START] key is set to [Auto], the colour of the original will be detected automatically and scanning in full colour, greyscale or Mono2 will take place.
- If the file type is [Encrypt PDF], a password entry screen will appear when the [START] key is pressed.

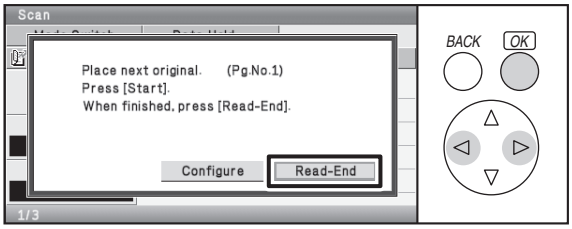


Select the [Entry] key and press the [OK] key to open the keyboard screen. Enter a password (maximum of 32 characters), and press the [OK] key. The recipient must use the password entered here to open the encrypted PDF file. To cancel encrypted PDF, select the [Cancel] key and press the [OK] key. The format settings screen will appear to let you change the file type. Select a new file type and press the [START] key to begin transmission.

6 If the original was placed on the document glass, replace it with the next original and press the [COLOUR START] key or the [BLACK & WHITE START] key.

Repeat until all originals have been scanned.

7 Select the [Read-End] key.

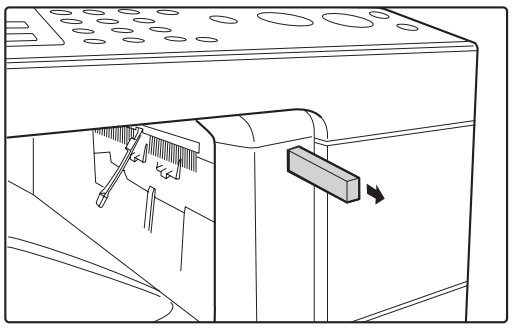


A beep will sound to indicate that the operation is completed. Open the automatic document feeder and remove the original.

- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- To change the exposure, resolution, scan size, or send size for each original page scanned, select the [Configure] key and press the [OK] key. However, when "Card Shot" is selected in the special modes, only the exposure can be changed when scanning an even-numbered original page.

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8



When "Sending data has been completed." appears in the display, disconnect the USB memory.

Do not disconnect the USB memory while "Processing data." or "Sending data." appears in the display.

- When transmission to USB memory is completed, "Sending data has been completed." is displayed. After a brief interval the message is cleared and the base screen of image send mode reappears. (The base screen of image send mode is the screen that appears when the [IMAGE SEND] key is pressed.)
- **If the USB memory becomes full during scanning...**
  A message will appear and scanning will stop. The scanned data will not be stored. However, if the file format is set to JPEG and the [Specified Pages per File] checkbox is selected, files for which scanning is completed will be stored in USB memory.

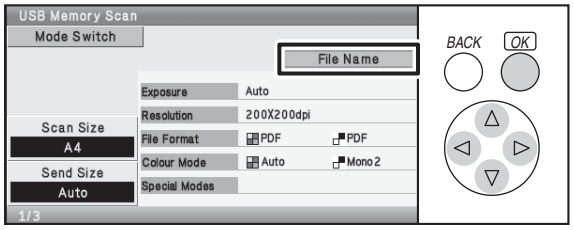
- **To cancel scanning...**
  Press the [STOP] key ( ) to cancel the operation.
- **To cancel scanning to USB memory...**
  While scanned data is being stored in the USB memory, the message "Sending data." and the [Cancel] key appear in the display. To cancel the data save, select the [Cancel] key and press the [OK] key.

- **System Settings: USB-Device Check (page 6-44)**
  This is used to check the connection of a USB device to the machine.
- **System Settings (Administrator): Scan Settings (Web page only)**
  This is used to set the default colour mode and file format.
- **System Settings (Administrator): Disable Scan Function (Web page only)**
  The use of PC scan mode and USB memory mode can be prohibited.

ENTERING A FILE NAME

The file name can be directly entered when performing a scan transmission.

- If the file name is not entered, the settings in the Web page are used.
- For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".



Select the [File Name] key and press the [OK] key. A text entry screen will appear. Enter the file name, select [OK], and press the [OK] key.

To check the entered file name, select the [File Name] key in the base screen once again and press the [OK] key.

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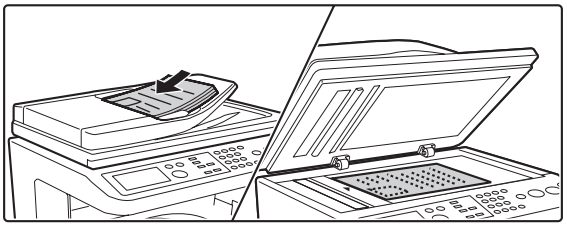
SENDING A FAX IN INTERNET FAX MODE

The basic procedure for sending a fax in Internet fax mode is explained below. This procedure can also be used to perform direct transmission by Direct SMTP.

When a default address is configured in "Default Address Setting" (Web page only) in the system settings (administrator), the mode cannot be changed, the destination cannot be changed, and destinations cannot be added. To switch to Internet fax mode, select the [Cancel] key in the display, press the [OK] key, and follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.



Place the original face up in the document feeder tray, or face down on the document glass.

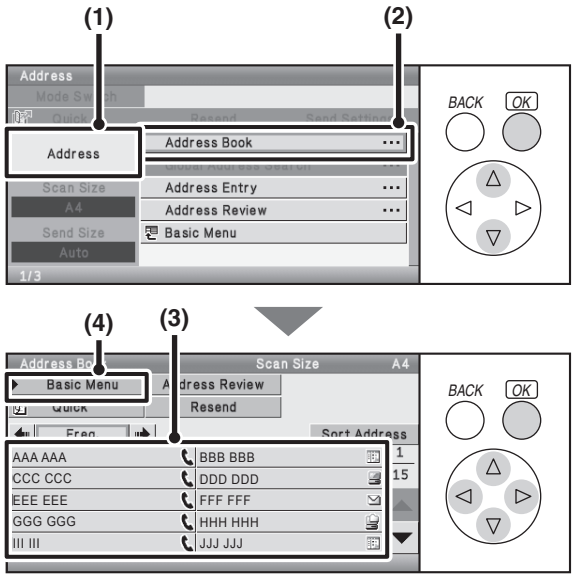
- **Image rotation**
  An A5 (5-1/2" x 8-1/2") or B5 size original in landscape orientation will be rotated 90 degrees and transmitted as an A5 (5-1/2" x 8-1/2") or B5 image in portrait orientation.



- Originals cannot be scanned in succession from both the automatic document feeder and the document glass and sent in a single transmission.

System Settings (Administrator): Rotation Sending Setting (Web page only)
This is used to select whether or not a scanned original image is rotated before transmission.
Initially a B5 landscape original is set to be rotated and sent as a B5 portrait image, and an A5 (5-1/2" x 8-1/2") landscape original is set to be rotated and sent as an A5 (5-1/2" x 8-1/2") portrait image.

2 Specify the destination.



(1) Select the [Address] key in the base screen.

(2) Select the [Address Book] key.

(3) Select the key of the desired destination.

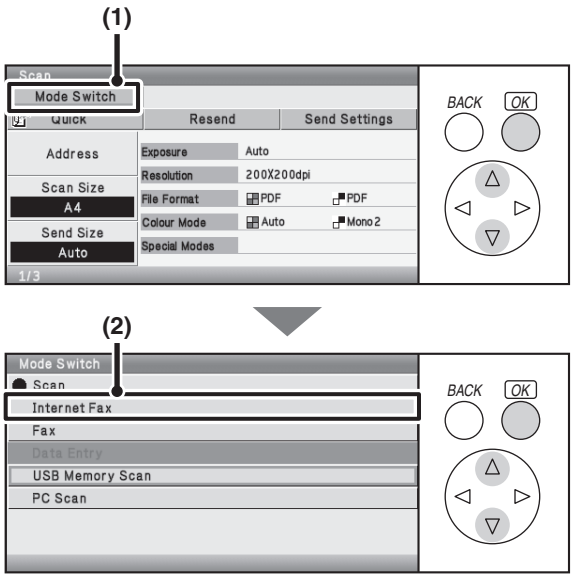
The e-mail address is specified as the return address. The icon appears in one-touch keys in which Internet fax addresses are stored.

(4) Select the [Basic Menu] key.

In addition to specification by a one-touch key, a destination can also be specified by a search number. You can also manually enter a destination or look up a destination in a global address book. For more information, see "ENTERING DESTINATIONS" (page 5-22).

Contents

3



Switch to Internet fax mode.

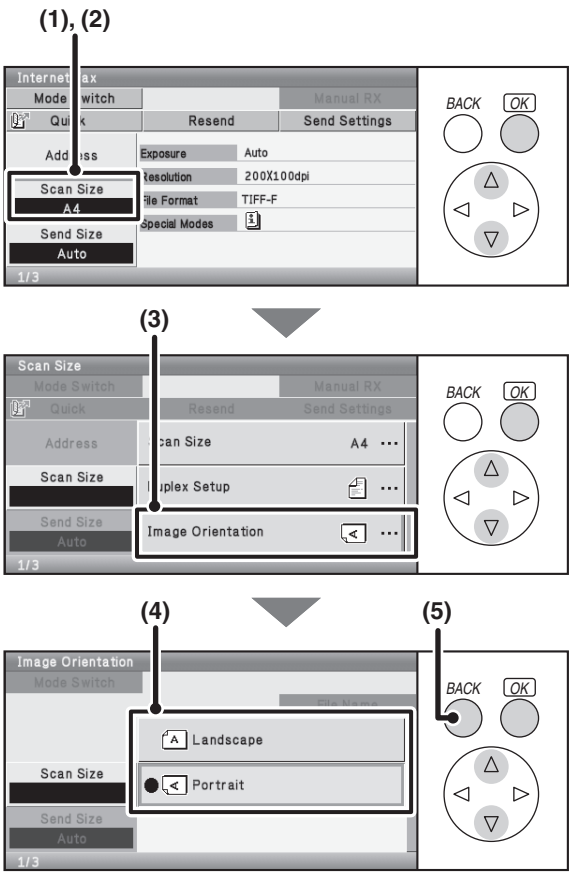
(1) Select the [Mode Switch] key.

(2) Select the [Internet Fax] key.

The current settings for [Scan Size], [Send Size], [Exposure], [Resolution], and [File Format] are indicated at the right of each key. To change a setting, select the appropriate key.

☞ AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original) (page 5-59), SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61), CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 5-67), CHANGING THE RESOLUTION (page 5-69), CHANGING THE FILE FORMAT (page 5-70), SPECIAL MODES (page 5-77)

4



Check the original scan size and placement orientation.

In order to set the orientation of the image to be sent, check the size and orientation of the original that were set in step 1.

(1) Check the scan size.

Check if the size of the placed original is displayed in the [Scan Size] key. If the displayed size is different from the size of the placed original, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

(2) Select the [Scan Size] key.

(3) Select the [Image Orientation] key.

(4) Set the placement orientation of the original.

If the original is placed with the top edge at the top, select [Landscape] with the ▽ △ keys. If the top edge is placed to the left, select [Portrait]. Press the [OK] key.

(5) Press the [BACK] key.

You will return to the basic screen.

- The placement orientation of the original is initially set to [Portrait]. If you placed the original with the top edge to the left, this step is not necessary.
- The original size set in the system settings appears as the original size.

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If the original is placed on the document glass, the [Read-End] key appears in the display. If the original is only one page, go to step 7. To scan more pages, go to the next step.
- If the original was inserted in the document feeder tray, a beep will sound when scanning is completed and transmission will take place.

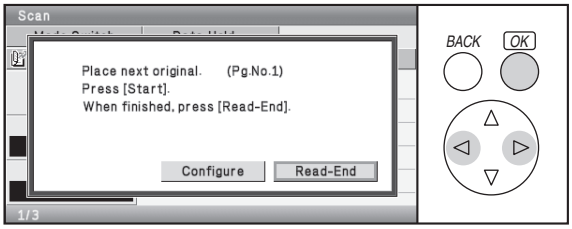
6

If the original was placed on the document glass, replace it with the next original and press the [BLACK & WHITE START] key.

Repeat until all originals have been scanned.

Contents

7



Select the [Read-End] key.

A beep will sound to indicate that the operation is completed.
Open the automatic document feeder and remove the original.

- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- To change the exposure, resolution, scan size, or send size for each original page scanned, select the [Configure] key and press the [OK] key. However, when "Card Shot" is selected in the special modes, only the exposure can be changed when scanning an even-numbered original page.

- When all originals have been scanned, "Job stored." will be displayed together with a job control number. This number can be used to locate the job in the Transaction Report or in the Image Sending Activity Report. If the job is a broadcast transmission, this number will also appear in the key of the job in the job status screen. For this reason, making a note of the number is useful for checking the result.
- If the memory becomes full while the originals are being scanned, a message will appear and scanning will stop.
- **Storing a mail signature**
  You can have preset text automatically added at the end of e-mail messages as a mail signature. This is convenient when you wish to have a corporate policy or other preset text appear at the bottom of e-mail messages. To store the text for the mail signature, click [Application Settings], [Network Scanner Settings] and then [Administration Settings] in the Web page menu. (Administrator rights are required.) Up to 900 characters can be entered. (The mail signature is not included in the maximum number of characters that can be entered in the e-mail message.)
- **Add a Footer Automatically to the Mail Message Body**
  Use this setting to specify whether or not a mail signature is added at the end of e-mail messages. By factory default, a mail signature is not added. Store in [Application Settings] > [Network Scanner Settings] > [Administration Settings] in the Web page menu. (Administrator rights are required.)

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

System Settings (Administrator): I-Fax Send Settings
This is used to select Internet fax transmission settings such as the receive report setting, rotation setting, size restriction setting, and sender information attachment setting.

Contents

CHANGING THE SUBJECT, FILE NAME, AND BODY TEXT

The subject, file name, and body text can be changed when performing an Internet fax transmission. Preset items can be selected or text can be directly entered.

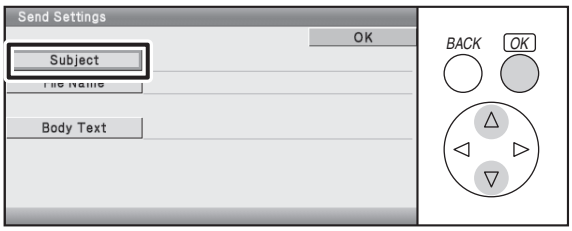
- If the subject and file name are not changed, the settings in the Web page are used.
- Selections for the subject, file name, and body text are configured by clicking [Application Settings] and then [Network Scanner Settings] in the Web page menu.
- For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the [Send Settings] key in the base screen.**

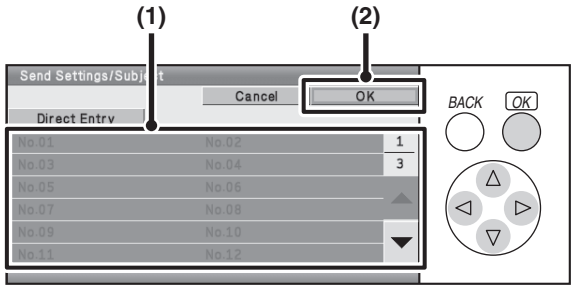
☞ BASE SCREENS (page 5-13)

2



To change the subject, select the [Subject] key.

3



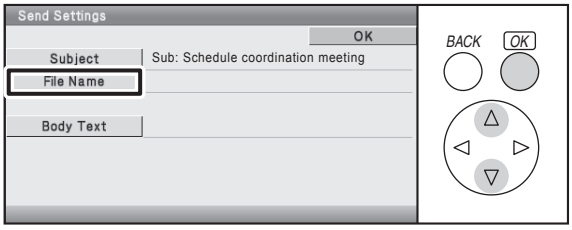
Enter the subject.

(1) Select a pre-set text key.

(2) Select the [OK] key.

- If you wish to directly enter the text, select the [Direct Entry] key and press the [OK] key. A text entry screen will open. Enter the text and press the [OK] key.
- To edit pre-set text, select the pre-set text, select the [Direct Entry] key, and press the [OK] key. The text entry screen will appear with the selected pre-set text entered. (When a destination is stored using the Web page, up to 80 characters can be entered. However, only 54 characters can be entered in the display.)

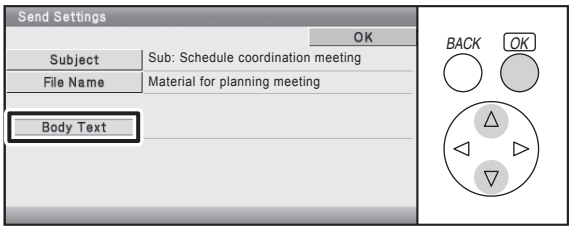
4



To change the file name, select the [File Name] key.

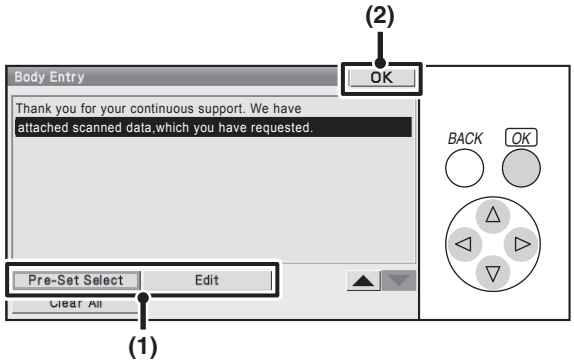
The file name is entered in the same way as the subject.

5



To change the body text, select the [Body Text] key.

6



Enter the body text.

(1) Select with the ◁ ▷ keys.

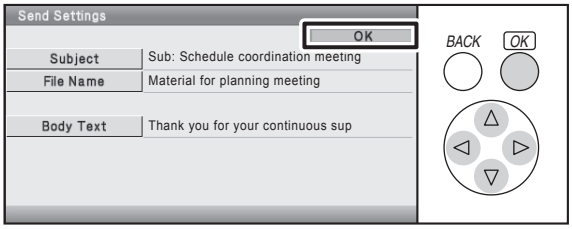
- To select a pre-set text previously stored in the Web page, select the [Pre-Set Select] key and press the [OK] key.
- To directly enter the body text, select the [Edit] key and press the [OK] key.

(2) Select the [OK] key.

- 1800 characters can be entered. (A line break counts as one character.)
- To clear all entered text, select the [Clear All] key. When the [OK] key is pressed, the entire body of the message is erased immediately; not just the selected line.
- Each line of the entered text can be selected with the ▼ ▲ keys. To edit the selected line, select the [Edit] key and press the [OK] key. The text entry screen will appear with the selected text entered.

Contents

7



Select the [OK] key.

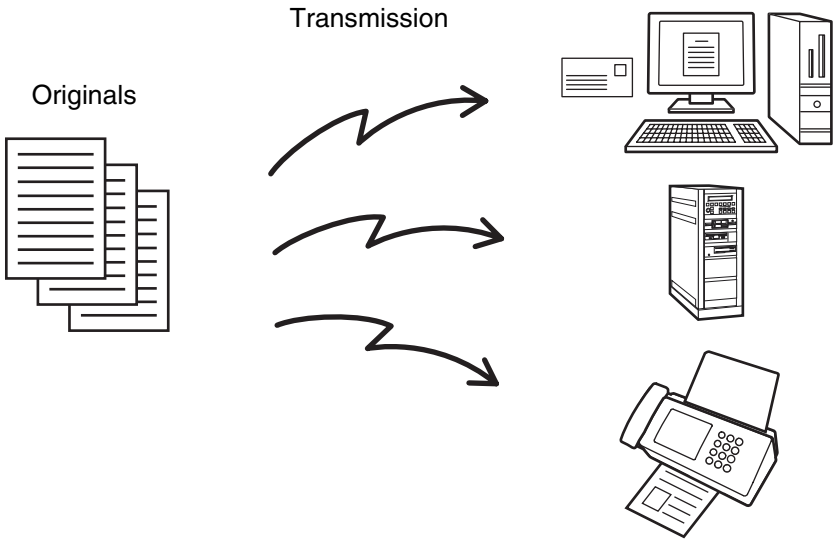
When storing pre-set text for the subject and file name in the Web pages, up to 80 characters can be entered.

System Settings (Administrator): The Number of File Name/Subject/Body Keys Displayed Setting
The setting for the number of subject keys and file name keys displayed in one screen can be changed to 6, 12, or 18.

Contents

SENDING THE SAME IMAGE TO MULTIPLE DESTINATIONS (Broadcast Transmission)

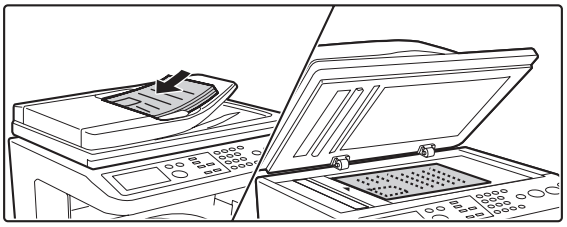
The same scanned image can be sent to multiple scan modes, Internet fax mode, and fax mode destinations in a single operation. Up to 500 destinations can be selected in one broadcast operation.



If you frequently use broadcasting to send images to the same group of destinations, it is convenient to store those destinations in a group key.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



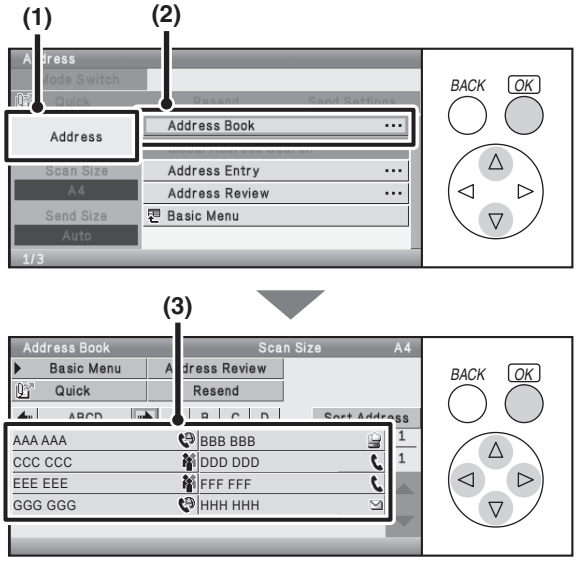
Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

Contents

2



Specify the destination.

(1) Select the [Address] key in the base screen.

(2) Select the [Address Book] key.

(3) Select the one-touch key of the desired destination.

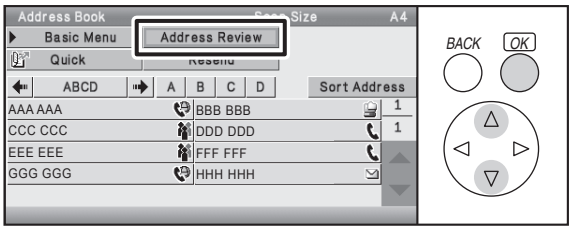
(4) Select the delivery method.

The destination is specified.

(5) Repeat steps (3) and (4) until all destinations are selected.

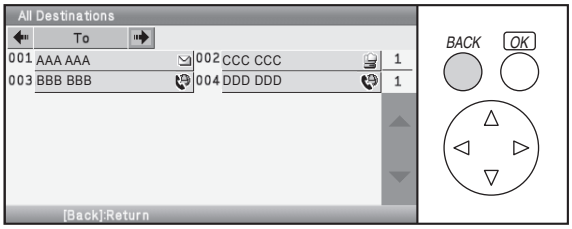
- To send by Cc or Bcc delivery, the [Cc] key or [Bcc] key must be specified in the screen that appears in (3).
- If "Must Input Next Address Key at Broadcast Setting" is enabled in the system settings (administrator), select the [Next Address] key before specifying the next destination.
- one-touch keys that cannot be used for broadcast transmission are greyed out to prevent selection.
- If a Scan to FTP (Hyperlink) address is specified in a broadcast transmission, hyperlink e-mail transmission will not take place.
- If you frequently use broadcasting to send images to the same group of destinations, it is convenient to store those destinations in a group key.

3



Select the [Address Review] key.

4



Check the destinations and then select the [BACK] key.

If there are Cc or Bcc recipients, the recipients can be checked by selecting the ◀ ▶ keys.

To cancel a specified destination...

Select the one-touch key of the destination that you wish to cancel. A message will appear to confirm the deletion. Select the [Yes] key.

☞ CHECKING AND DELETING THE SELECTED DESTINATIONS (page 5-25)

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning of one page finishes, replace it with the next page and press the [COLOUR START] key or the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

If Internet fax or fax destinations are included in the broadcast transmission, the [COLOUR START] key cannot be pressed. Scanning will take place in Mono2.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

Contents

BROADCAST TRANSMISSIONS THAT INCLUDE INTERNET FAX DESTINATIONS

When a broadcast transmission includes both scan mode and Internet Fax mode destinations, the Internet Fax mode settings (original orientation and other various settings) are given priority. When performing this type of broadcast transmission, note the information below.

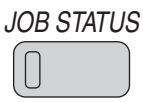
Original placement orientation	The orientation of Internet fax mode is given priority. When "Rotation Sending Setting" (Web page only) is enabled in the system settings (administrator), the image is rotated 90 degrees. For this reason, in some cases the image may not be displayed in the correct orientation.
Send size	When the file format is set to [TIFF-S] in Internet fax mode, transmission is only possible in A4 (8-1/2" x 11") size in landscape orientation.
Exposure	The Internet fax settings are given priority.
Resolution	When the file format is set to [TIFF-S] in Internet fax mode and a high resolution setting is selected in scan mode, the resolution will be changed to [200X200dpi].
File compression mode	The compression mode will be changed to the compression mode set in "Compression Mode at Broadcasting" (Web page only) in the system settings (administrator).
Colour scanning	Scanning will take place in Mono2 regardless of the colour mode setting.
Scan file size	If a broadcast transmission is performed that includes destinations for which an attachment size limit has been set using "Maximum Size of E-mail Attachments (E-mail)" (Web page only) or "Maximum Size of Data Attachments (FTP/Desktop/Network Folder)" (Web page only) in the system settings (administrator), the limit will also apply to destinations for which a limit is not set. (The limitation setting of Scan to E-mail or Internet fax is given priority.)

Resending to unsuccessful broadcast transmission destinations

The results of a completed broadcast transmission can be checked in the job status screen. If transmission to any of the addresses failed, resend the image to those addresses.

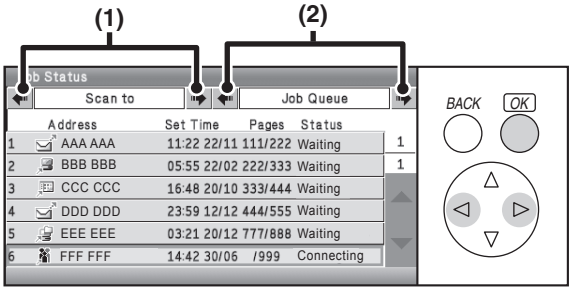
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Display the jobs completed screen.

(1) Switch to the mode of the job you wish to display.

Select ◀ ▶ with the ◁ ▷ keys and press the [OK] key. The mode will change each time you press the [OK] key.

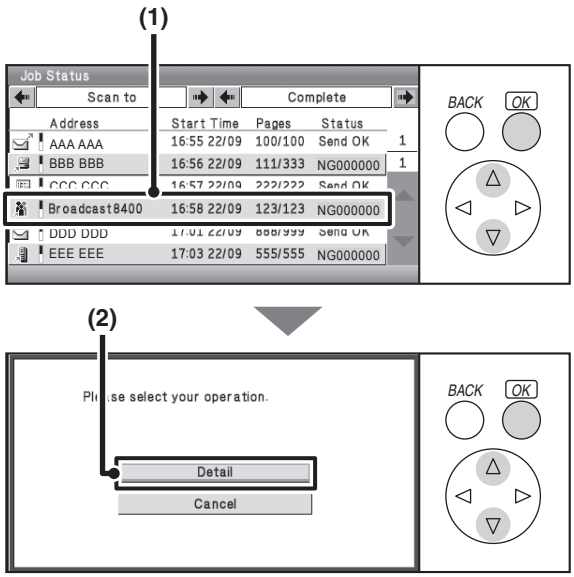
(2) Switch the job status mode to [Complete].

Select ◀ ▶ with the ◁ ▷ keys and press the [OK] key. The mode will change each time you press the [OK] key.

If the broadcast transmission included destinations of different modes, the same broadcast transmission key will appear in each of those modes.

Contents

3



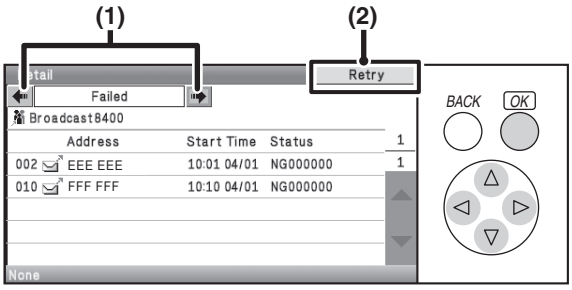
Display details on the broadcast transmission.

(1) Select the key of the completed broadcast transmission.

(2) Select the [Detail] key.

"Broadcastxxxx" will appear as the address of the broadcast job key. The job control number that appeared in the display when scanning ended appears in "xxxx".

4



Resend the image to the unsuccessful destinations.

(1) Select the [Failed] key.

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Select the [Retry] key.

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

After selecting the [Retry] key, you will return to the base screen with the unsuccessful destinations entered. Place the original and perform the steps of the broadcast transmission. Place the original and perform the steps of the broadcast transmission.

SENDING AN INTERNET FAX FROM A COMPUTER (PC-I-Fax)

A file on a computer can be sent via the machine as an Internet fax (PC-I-Fax function). Internet faxes are sent using the PC-I-Fax function in the same way as documents are printed. Select the PC-Fax driver as the printer driver for your computer and then select the Print command in the software application. Image data for transmission will be created and sent as an Internet fax.



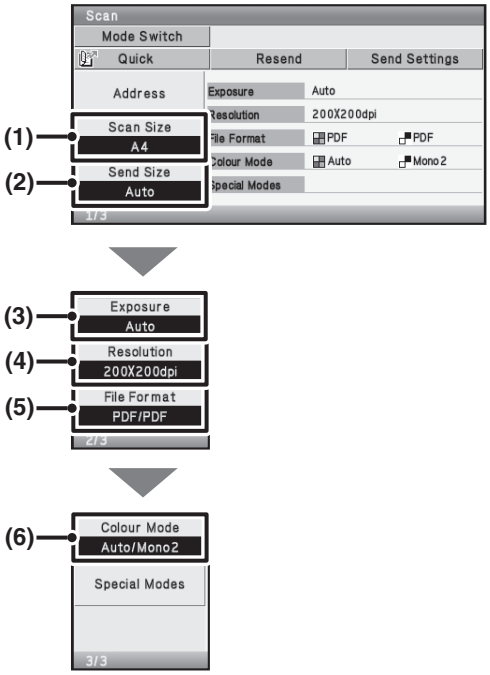
For the procedures for using this function, see the PC-Fax driver Help.

- To send an Internet fax using the PC-I-Fax function, the PC-Fax driver must be installed and then updated using the CD-ROM that accompanies the Internet fax expansion kit. For more information, see the Software Setup Guide.
- This function can only be used on a Windows computer.
- This function can only be used for transmission. Internet faxes received on the machine cannot be received to a computer that is connected to the machine.

Contents

IMAGE SETTINGS

Settings for scanning the original are selected in the base screen of each mode. The current state of each setting appears to the right of the key used to select the setting.



(1) [Scan Size] key

Select this key to set the scan size, and orientation of the original, and select 2-sided scanning settings.

☞ AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original) (page 5-59), SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

(2) [Send Size] key

Select this key to specify the send size of the original.

(3) [Exposure] key

Select this key to select the exposure for scanning.

☞ CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE (page 5-67)

(4) [Resolution] key

Select this key to select the resolution for scanning.

☞ CHANGING THE RESOLUTION (page 5-69)

(5) [File Format] key

Select this key to change the format (file type) of the scanned image file.

☞ CHANGING THE FILE FORMAT (page 5-70)

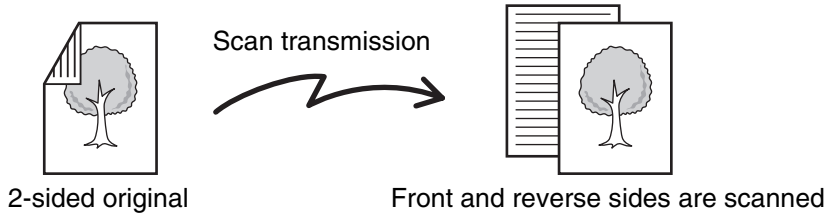
(6) [Colour Mode] key

Select this key to select the colour mode for scanning. This key does not appear in Internet fax mode.

☞ CHANGING THE COLOUR MODE (page 5-75)

AUTOMATICALLY SCANNING BOTH SIDES OF AN ORIGINAL (2-Sided Original)

The automatic document feeder can be used to automatically scan both sides of an original.



Keys in the display can be selected with the arrow keys and the [OK] key.

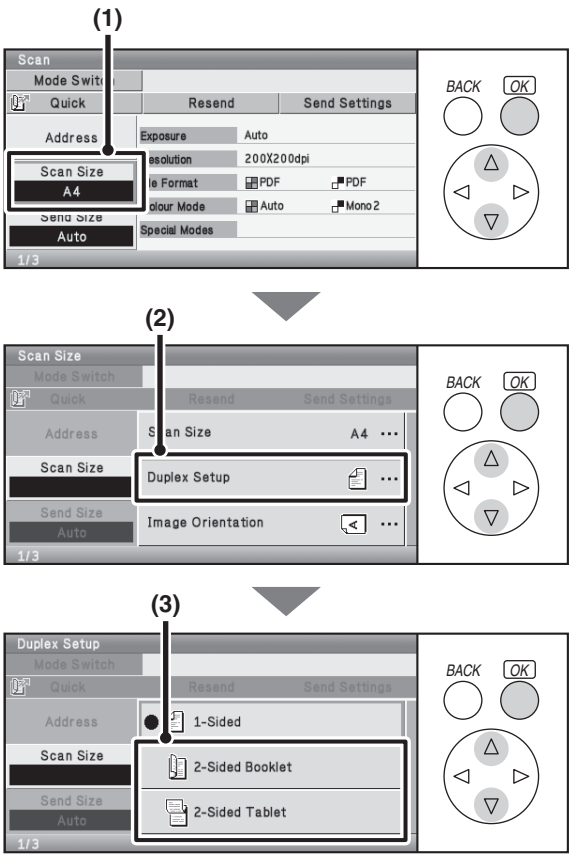
1 Select the mode and display the image settings screen.

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

☞ IMAGE SETTINGS (page 5-58)

2



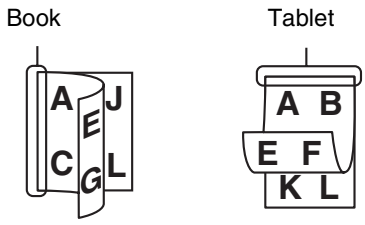
Specify the binding style of the 2-sided original (book or tablet).

(1) Select the [Scan Size] key.

(2) Select the [Duplex Setup] key.

(3) Select the [2-Sided Booklet] key or the [2-Sided Tablet] key.

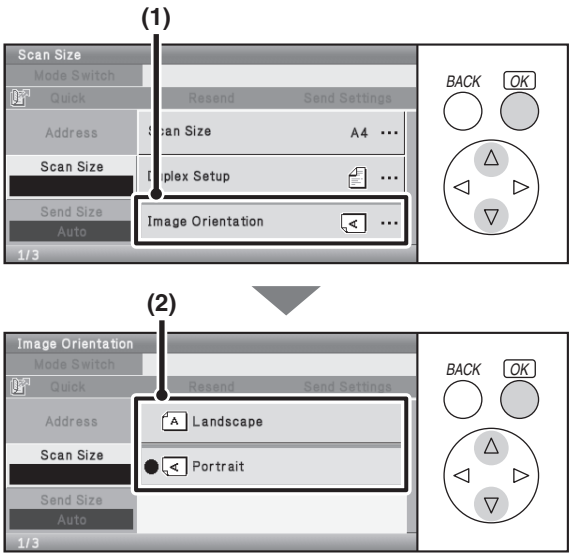
A book and a tablet are bound as shown below.



To cancel 2-sided scanning, select the [1-Sided] key in (3).

Contents

3



Specify the orientation in which the original is placed.

(1) Select the [Image Orientation] key.

(2) Select the "image placement orientation" key with the same orientation as the image of the placed original.

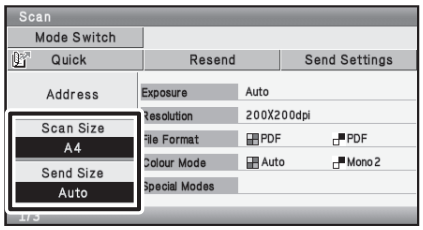
If this setting is not correct, a suitable image may not be transmitted.

2-sided scanning automatically turns off after the transmission operation is completed.

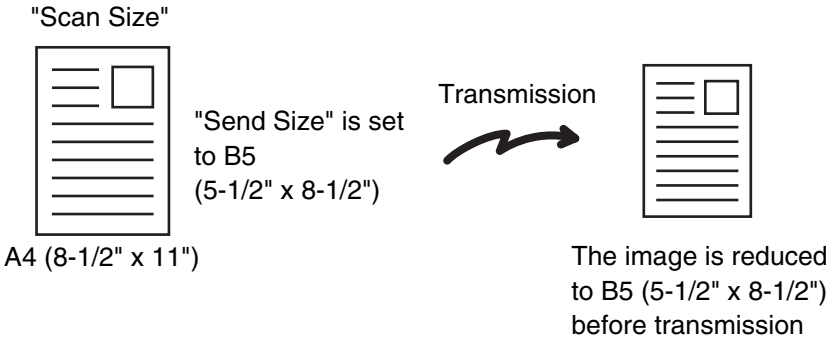
Contents

SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE

When the original is placed, the original size and the send size set in the system settings appear in the base screen as the original size and send size.



In the above screen, the scan size (the original) size is A4 (8-1/2" x 11") and the send size is auto. For example, if the scan size is A4 (8-1/2" x 11") and the send size is B5 (5-1/2" x 8-1/2"), the image will be reduced before transmission.



If the size of the placed original is different from the displayed original size, specify the original size.
☞ Specifying the original scan size (by paper size) (page 5-62)
☞ Specifying the original scan size (by numerical values) (page 5-63)

System Settings (Administrator): Default Original Size Settings (Web page only)
Set this if you frequently use a particular original size. The set size will appear in the [Scan Size] key. When this setting is configured, changing the original size can be omitted.

Contents

Specifying the original scan size (by paper size)

If the size of the placed original is different from the displayed original size or you wish to change the original size, you must specify the scan size. Place the original in the document feeder tray or on the document glass and follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Change the mode and display the scan size setting screen.

(1) Select the [Mode Switch] key.

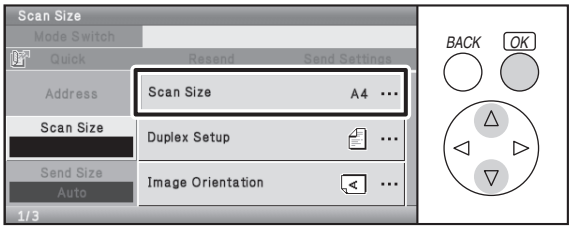
(2) Select the mode that you wish to use.

(3) Select the [Scan Size] key.

The original size set in the system settings appears in the [Scan Size] key.

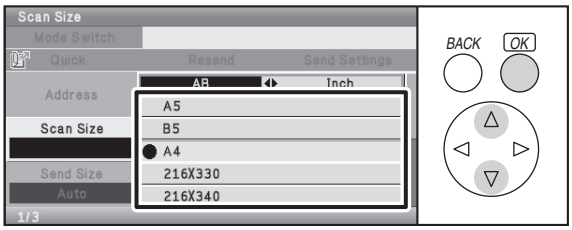
☞ IMAGE SETTINGS (page 5-58)

2 Select the [Scan Size] key.



3 Specify the scan size.

Select the appropriate original size.



- If you are sending a long original, select the [Long Size] key. Use the automatic document feeder to scan a long original. The maximum width that can be scanned is 500 mm (19-5/8") (the maximum height is 216 mm (8-1/2")).
- To set an inch scan size, select the [AB◀▶Inch] key to show inch sizes.

When [Long Size] is selected, the 2-sided scanning setting and send size cannot be changed. In addition, when only scan destinations are selected for scan transmission or metadata transmission, scanning will take place in Mono2.

Contents

Specifying the original scan size (by numerical values)

When scanning a non-standard size original such as a card, follow these steps to specify the original size.

Keys in the display can be selected with the arrow keys and the [OK] key.

1

Change the mode and display the scan size setting screen.

(1) Select the [Mode Switch] key.

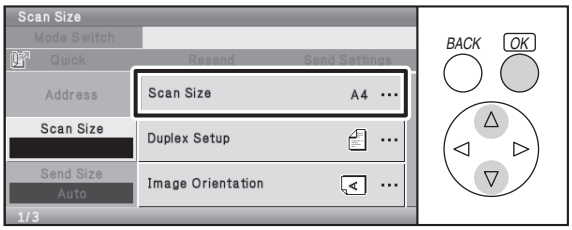
(2) Select the mode that you wish to use.

(3) Select the [Scan Size] key.

The original size set in the system settings appears in the [Scan Size] key.

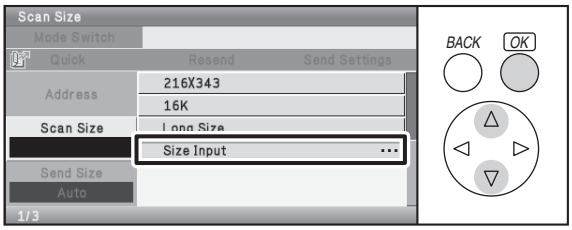
☞ IMAGE SETTINGS (page 5-58)

2



Select the [Scan Size] key.

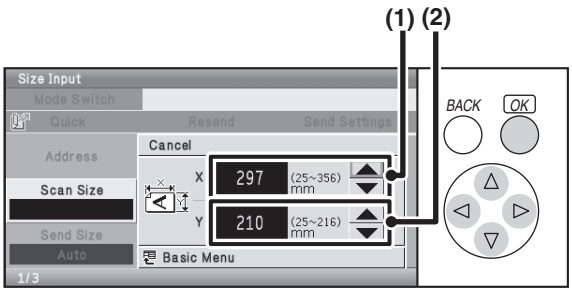
3



Select the [Size Input] key.

Contents

4



Enter the scan size (original size).

(1) Enter the X (horizontal) dimension of the original.

Select the X (width) number display and press the [OK] key. A number entry screen will appear. Enter the width of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 297 mm (1" to 11-5/8") can be entered.
- When the automatic document feeder is used, a number from 89 mm to 356 mm (3-1/2" to 14") can be entered.
- When a number which is from 139 mm (5-3/8") and less is entered in 2-Sided scanning setting, an original cannot be scanned.
- If the horizontal dimension of the original is less than 89 mm (3-1/2"), use the document glass.

(2) Enter the Y (vertical) dimension of the original.

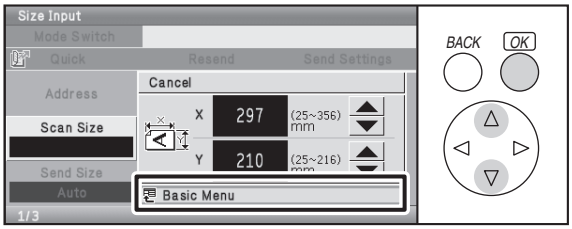
Select the Y (height) number display and press the [OK] key. A number entry screen will appear. Enter the height of the original with the numeric keys, and select the [OK] key in the number entry screen.

- When the document glass is used, a number from 25 mm to 216 mm (1" to 8-1/2") can be entered.
- When the automatic document feeder is used, a number from 100 mm to 216 mm (4" to 8-1/2") can be entered.
- If the vertical dimension of the original is less than 100 mm (4"), use the document glass.

- When a number from 298 mm to 356 mm (11-3/4" to 14") to the X (horizontal) dimension and a number from 25 mm to 99 mm (1" to 3-7/8") to the Y (vertical) dimension are entered at the same time, an original cannot be scanned.
- You can also select the ▼ ▲ keys to change the number.
- For the procedure for entering numbers, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING MACHINE".

To cancel the size input...
To cancel the size input, select the [Cancel] key.

5



Select the [Basic Menu] key.

The specified size appears in the [Scan Size] key.

- When the scan size is specified by numerical values, the send size cannot be specified.
- When the automatic document feeder is used, an original longer than 297 mm (11-5/8") can be scanned (maximum width 500 mm (19-5/8")). In this case, select the [Long Size] key in the screen of step 3.
  ☞ Specifying the original scan size (by paper size) (page 5-62)

Contents

Specifying the send size of the image

Specify the send size as a paper size. If a send size bigger than the scan size is selected, the image will be enlarged. If a send size smaller than the scan size is selected, the image will be reduced.

- The send size cannot be specified when [Long Size] is selected for the scan size, or when the scan size is specified by numerical values.
- The send size cannot be specified when [TIFF-S] is selected for the format in Internet fax mode. (The send size is fixed at A4 (8-1/2" x 11") in landscape orientation.)

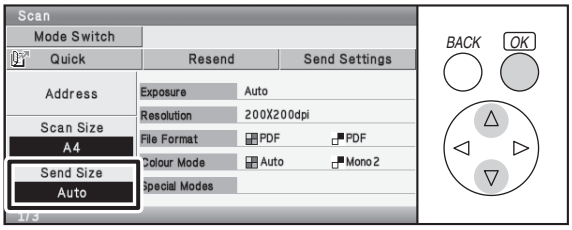
Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the mode.

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

2 Select the [Send Size] key.



3 Specify the send size.

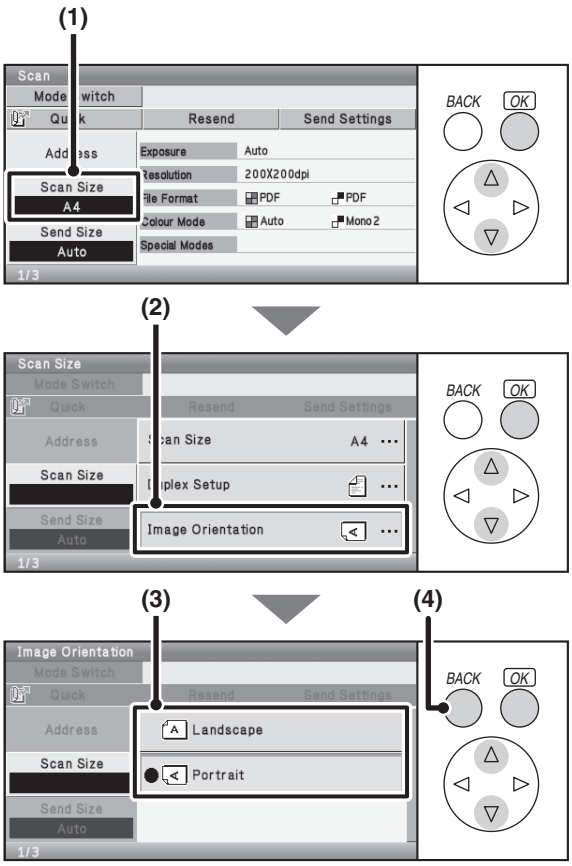


Select the desired send size key.
Select the [OK] key to return to the screen of step 2.

- Depending on the paper size specified for the "Scan Size", it may not be possible to select some sizes for the "Send Size". Size keys that cannot be specified for the "Send Size" are greyed out to prevent selection.
- To set an inch send size, select the [AB◀▶Inch] key to show inch sizes.

Contents

4



Specify the orientation in which the original is placed.

(1) Select the [Scan Size] key.

(2) Select the [Image Orientation] key.

(3) Select the "image placement orientation" key with the same orientation as the image of the placed original.

If this setting is not correct when sending an image with a changed ratio, a suitable image may not be transmitted.

(4) Press the [BACK] key.

Contents

CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE

The exposure and original image type can be set appropriately for the original to enable optimum scanning. Refer to the following tables to select appropriate settings.

How to select the exposure

Exposure		When to select
Auto		This setting automatically adjusts the exposure for light and dark parts of the original.
Manual	1-2	Select this setting when the original consists of dark text.
	3	Select this setting for a normal original (neither dark nor light).
	4-5	Select this setting when the original consists of faint text.

How to select the original image type (Scan mode, USB memory mode and Data entry mode)

Setting		Description
Auto		The original image type is automatically selected to match the original.
Manual	Text/Prtd. Photo	This mode provides the best balance for scanning an original which contains both text and printed photographs, such as a magazine or catalogue.
	Text/Photo	This mode provides the best balance for scanning an original which contains both text and photographs, such as a text document with a photo pasted on.
	Text	Use this mode for regular text documents.
	Photo	Use this mode to scan photos.
	Printed Photo	This mode is best for scanning printed photographs, such as photos in a magazine or catalogue.
	Map	This mode is best for scanning the colour shading and fine details found on most maps.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the mode and display the exposure settings screen.**

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Exposure] key.

☞ IMAGE SETTINGS (page 5-58)

2



Read the displayed message and press the [OK] key.

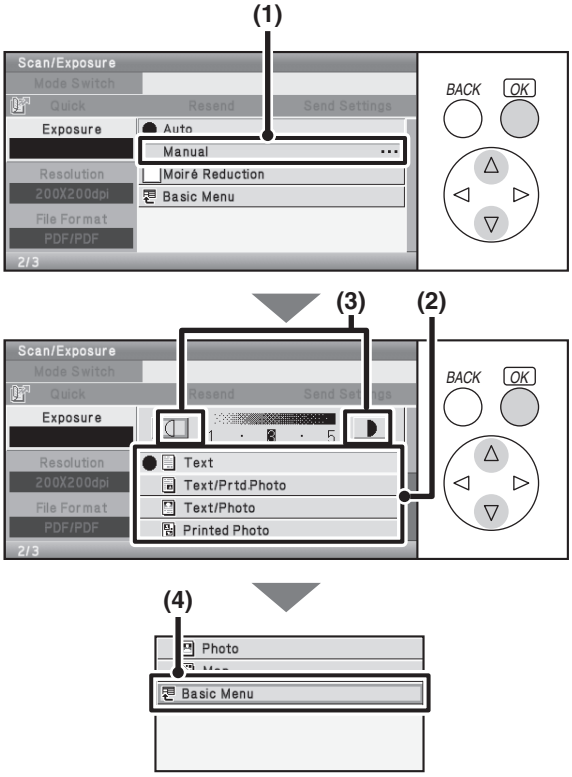
This message does not appear in USB memory mode or Internet fax mode. Go to the next step.

If a broadcast transmission is performed that includes both scan mode destinations and Internet fax destinations, the exposure settings for Internet fax mode will have priority.

Contents

3

Scan mode, USB memory mode, Data entry mode



Select the exposure and original image type.

(1) Select the [Manual] key.

(2) Select the original image type.

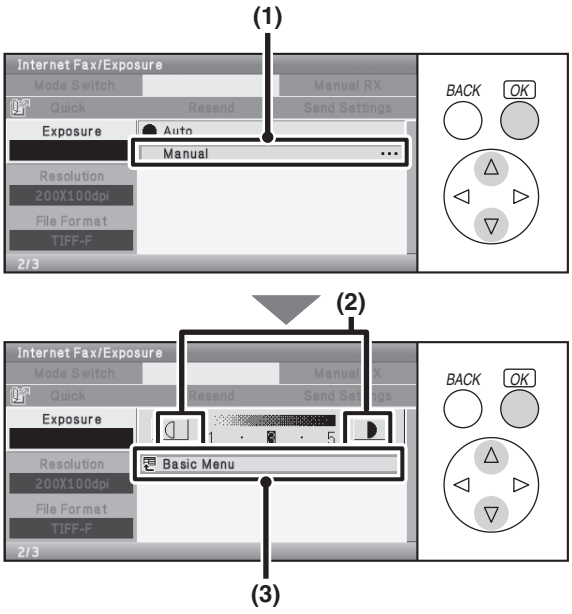
Select the original image type key that matches the original image type.

(3) Adjust the exposure.

Select the ◐ key or the ◑ key. To darken the exposure, select the ◑ key. To lighten the exposure, select the ◐ key.

(4) Select the [Basic Menu] key.

Internet fax mode



(1) Select the [Manual] key.

(2) Adjust the exposure.

Select the ◐ key or the ◑ key. To darken the exposure, select the ◑ key. To lighten the exposure, select the ◐ key.

(3) Select the [Basic Menu] key.

- In Internet fax mode, the original image type and moiré reduction cannot be selected.
- To reduce the checkerboard pattern (Moiré) that sometimes occurs when printed matter is scanned, select the [Moiré Reduction] checkbox.

When using the document glass to scan multiple original pages, the exposure setting can be changed each time you change pages. When using the automatic document feeder, the exposure setting cannot be changed once scanning has begun. (However, when "Job Build" is used in the special modes, the exposure can be changed each time a new set of originals is inserted.)

System Settings (Administrator): Default Exposure Settings
This is used to change the default exposure setting.

Contents

CHANGING THE RESOLUTION

The resolution setting can be selected.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the mode and display the image settings screen.

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Resolution] key.

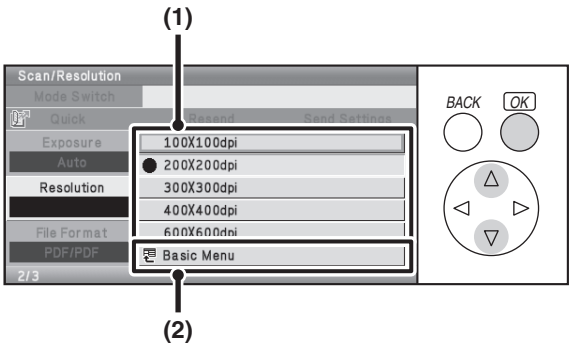
☞ IMAGE SETTINGS (page 5-58)

2 Select the resolution.

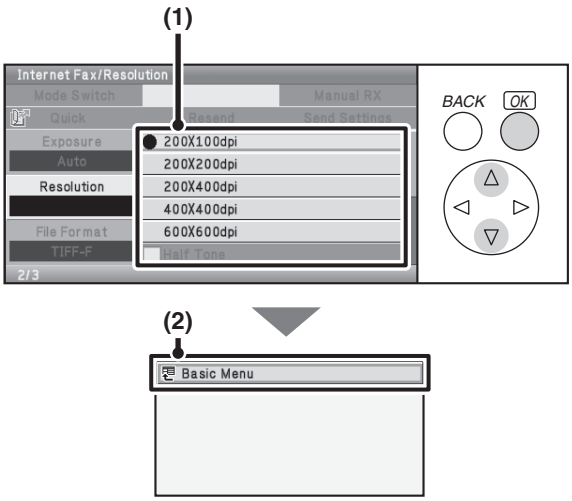
(1) Select the key of the desired resolution.

(2) Select the [Basic Menu] key.

Scan mode, USB memory mode, Data entry mode



Internet fax mode



In Internet fax mode, the [Half Tone] key can be selected to select halftone (except when [200X100dpi] is selected). When the original has many gradations of light and dark such as a photo or colour illustration, halftone provides a more attractive image than regular transmission.

Contents

How to select the resolution

For normal text originals, 200X200dpi (200X100dpi in Internet fax mode) produces an image that is sufficiently legible. For photos and illustrations, a high resolution setting (600X600dpi, etc.) will produce a sharp image. However, a high resolution setting will result in a large file, and if the file is too large, transmission may not be possible. In this event, reduce the number of pages scanned or take other measures to decrease the file size.

☞ CHANGING THE FILE FORMAT
☞ Specifying the send size of the image (page 5-65)

- When using the document glass to scan multiple original pages, the resolution setting can be changed each time you change pages. When using the automatic document feeder, the resolution setting cannot be changed once scanning has begun. (However, when "Job Build" is used in the special modes, the resolution can be changed each time a new set of originals is inserted.)
- When [TIFF-S] is selected for the format in Internet fax mode, only [200X100dpi] or [200X200dpi] can be selected.

System Settings (Administrator): Initial Resolution Setting
This is used to change the default resolution setting.

CHANGING THE FILE FORMAT

Changing the format (Scan mode, USB memory mode and Data entry mode)

The file format (file type and compression mode/compression ratio) for sending a scanned image can be changed at the time of transmission. In addition, if the scanned originals are divided into separate files, the number of pages per file can be changed.

The file format for sending a scanned image is specified when the destination is stored in a one-touch key; however, you can change the format at the time of transmission.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 **Select the mode and display the image settings screen.**

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [File Format] key.

☞ IMAGE SETTINGS (page 5-58)

2



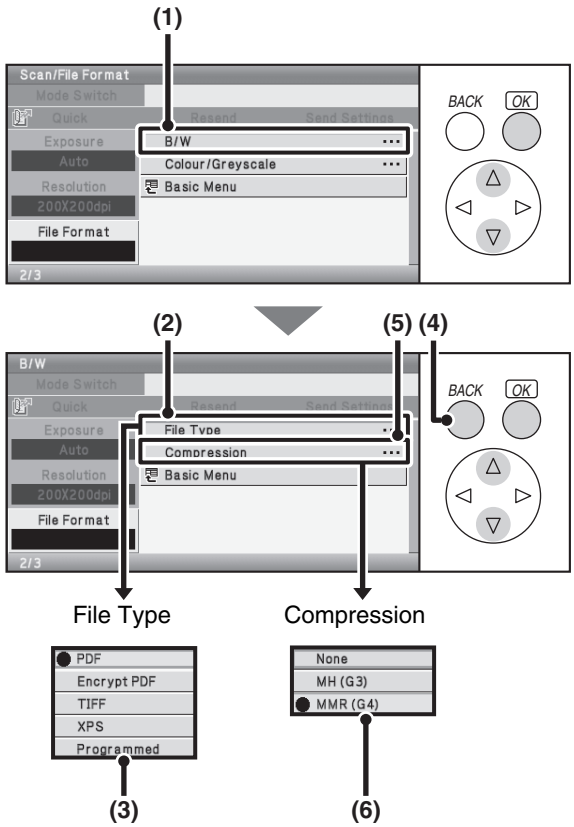
Read the displayed message and press the [OK] key.

The message does not appear in USB memory mode. Go to the next step.

Contents

3

Set the format.



● **Scanning in Mono2**

(1) Select the [B/W] key.

(2) Select the [File Type] key.

(3) Select the file type.

Select the desired file type.

(4) Press the [BACK] key.

(5) Select the [Compression] key.

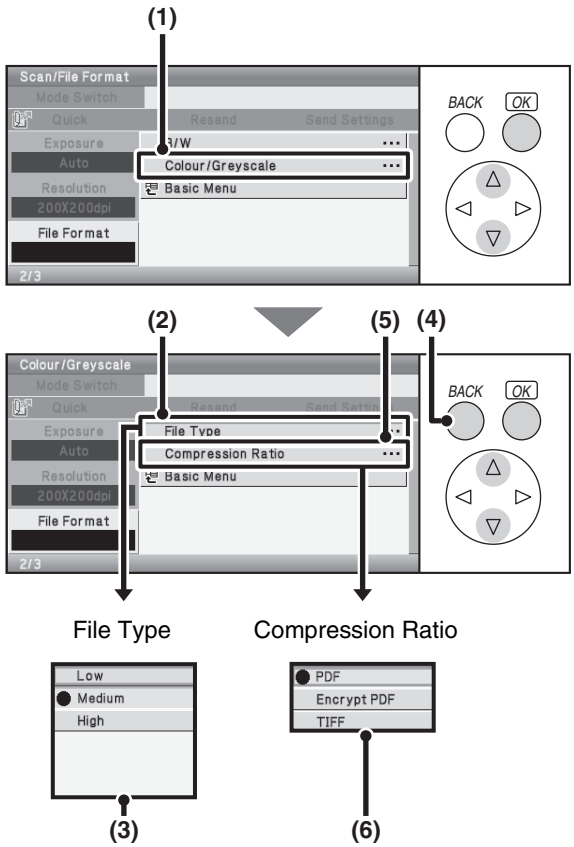
(6) Select the compression mode.

Select the desired compression mode.

Contents

3

Set the format. (Continued)



● Scanning in colour/greyscale

(1) Select the [Colour/Greyscale] key.

(2) Select the [File Type] key.

(3) Select the file type.

Select the desired file type.

(4) Press the [BACK] key.

(5) Select the [Compression Ratio] key.

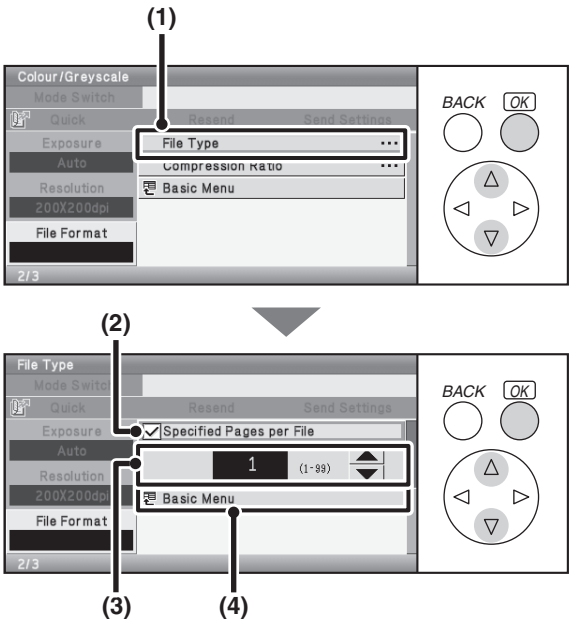
(6) Select the compression ratio.

Select the desired compression ratio.
High compression results in a smaller file size, however, the image quality is slightly degraded.

- The [Programmed] key does not appear in USB memory mode.
- The format setting for [B/W] mode is the file format that is used when the [BLACK & WHITE START] key is pressed with the B/W mode set to [Mono2].
- The format setting for [Colour/Grey] mode is the file format that is used when the [COLOUR START] key is pressed, or when the [BLACK & WHITE START] key is pressed with the B/W mode set to [Greyscale].
- The file type of [B/W] mode and the file type of [Colour/Grey] mode are linked. The file type cannot be set separately for each. (When [JPEG] is selected for [Colour/Grey] mode, [TIFF] is automatically selected for [B/W] mode.)

Contents

4



To change the number of pages per file, enter the number of pages and exit the format settings.

(1) Select the [File Type] key.

(2) Set the [Specified Pages per File] checkbox to ☑.

The number can also be changed by selecting the number display and pressing the [OK] key.

(3) Set the number of pages per file with the ▼ ▲ keys.

(4) Select the [Basic Menu] key.

- When a checkmark does not appear in the [Specified Pages per File] checkbox ☐, one file is created for all scanned pages.
- When [Specified Pages per File] is selected, consecutive numbers are added to the created file names.
- When [JPEG] is selected for the file type, one file is created for each page (a file cannot be created for multiple pages). For this reason, the [Specified Pages per File] checkbox does not appear.

When [Encrypt PDF] is selected, a password entry screen will appear when the [START] key is pressed to begin scanning and transmission.
Select the [Entry] key in the displayed screen to open the keyboard screen. Enter a password (maximum of 32 characters) and select the [OK] key. Scanning and transmission will begin.

System Settings (Administrator): Initial File Format Setting (Web page only)
This sets the default file format setting for scanner transmission.

Contents

Changing the format (Internet fax mode)

The file format for sending an Internet fax is normally set to [TIFF-F]. If the destination Internet fax machine does not support full mode (it only supports simple mode), follow the steps below to select [TIFF-S].

Keys in the display can be selected with the arrow keys and the [OK] key.

1

Switch to Internet fax mode and display the file format settings screen.

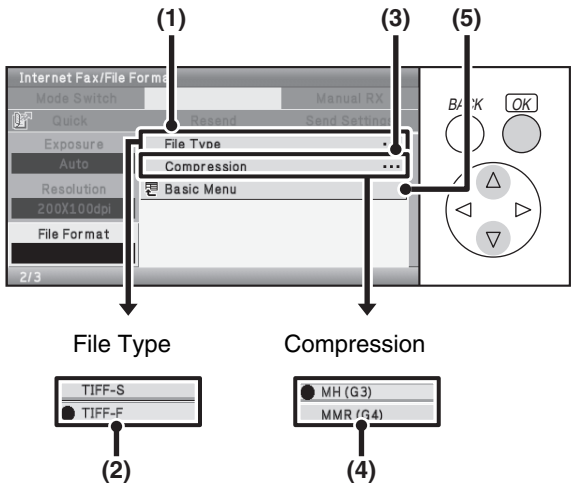
(1) Select the [Mode Switch] key.

(2) Select the [Internet Fax] key.

(3) Select the [File Format] key.

☞ IMAGE SETTINGS (page 5-58)

2



Select the file format.

(1) Select the [File Type] key.

(2) Select the file format.

(3) Select the [Compression] key.

(4) Select the compression mode.

If you selected [TIFF-F], select the compression mode.

(5) Select the [Basic Menu] key.

When [TIFF-S] is selected, the transmission settings are restricted as follows:

- Resolution: The selections are [200X100dpi] and [200X200dpi]. If [TIFF-S] is selected after [200X400dpi], [400X400dpi] or [600X600dpi] is selected, the resolution automatically changes to [200X200dpi].
- Send size: Always A4 (8-1/2" x 11") in landscape orientation. If [TIFF-S] is selected after the send size is changed, the send size is automatically changed to A4 (8-1/2" x 11") in landscape orientation. If a size larger than A4 (8-1/2" x 11") is scanned, the size will automatically be reduced to A4 (8-1/2" x 11") in landscape orientation. When this format is included in a broadcast transmission, the image will be transmitted to all destinations at A4 (8-1/2" x 11") in landscape orientation.
- Special modes: When a ratio setting is selected and the original size is entered, Card Shot cannot be used.

System Settings (Administrator): Compression Setting (Web page only)

This is used to set the default compression mode for Internet fax transmission.

Contents

CHANGING THE COLOUR MODE

This procedure is used to change the colour mode used to scan the original when the [COLOUR START] key or the [BLACK & WHITE START] key is pressed.

This function cannot be used in Internet fax mode.

Start key	Mode	Scanning method
[COLOUR START] key	Auto	The machine detects whether the original is colour or black and white and automatically selects full colour or black and white (Mono2 or Greyscale) scanning.
	Full Colour	The original is scanned in full colour. This mode is best for full colour originals such as catalogues.
[BLACK & WHITE START] key	Mono2	Colours in the original are scanned as black or white. This mode is best for text-only originals.
	Greyscale	The colours in the original are scanned in black and white as shades of grey (greyscale).

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Select the mode and display the colour mode settings screen.

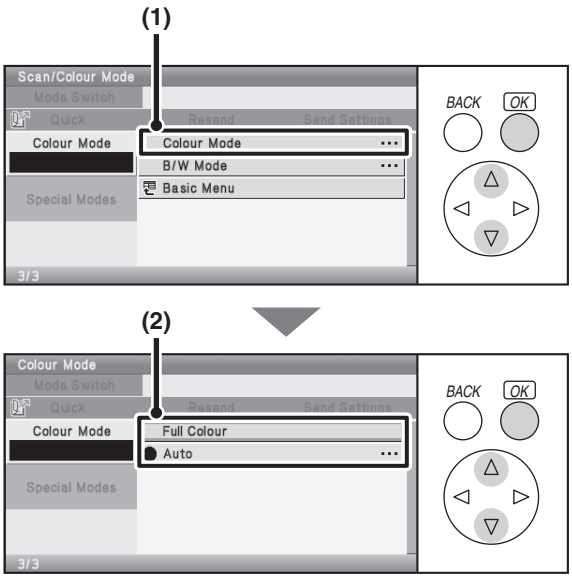
(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Colour Mode] key.

☞ IMAGE SETTINGS (page 5-58)

2

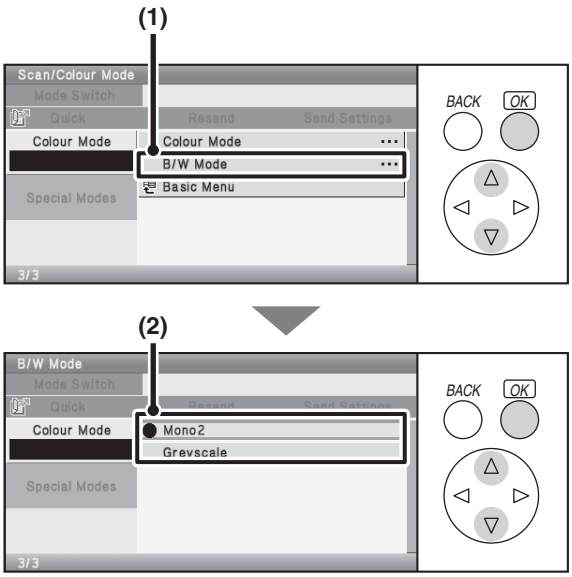


Select the colour mode.

(1) Select the [Colour Mode] key.

(2) Select the key of the mode to be used when the [COLOUR START] key is pressed.

You can select whether black & white scanning will take place in Mono2 or greyscale when [Auto] is selected and a black and white original is scanned. Note that if the file format is set to JPEG, scanning will take place in greyscale.



Select the B/W mode.

(1) Select the [B/W Mode] key.

(2) Select the key of the mode to be used when the [BLACK & WHITE START] key is pressed.

- **System Settings (Administrator): Default Colour Mode Settings (Web page only)**
  The default colour mode can be changed.
- **System Settings (Administrator): Disable Change of B/W Setting in Auto Mode (Web page only)**
  This prohibits selection of the black and white original scanning setting when [Auto] is selected for the colour mode.

Contents

SPECIAL MODES

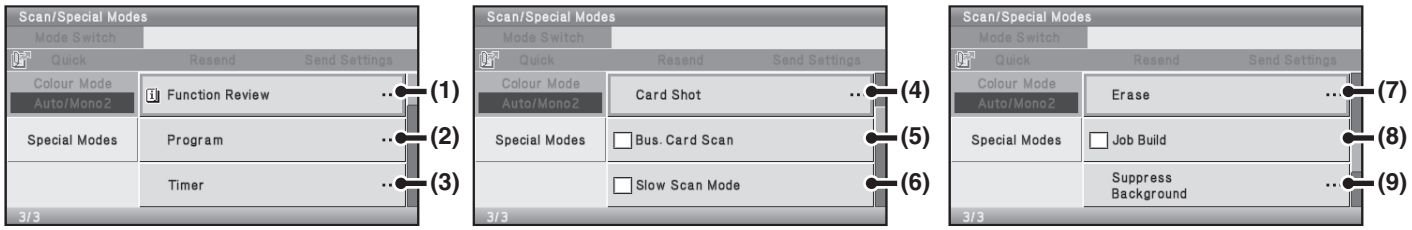
This section explains special modes that can be used in scan send mode.

SPECIAL MODES

When the [Special Modes] key is selected in the base screen, the special modes menu screen appears. The special modes menu consists of three screens. Select the ▽ △ key to switch between the three screens. When the [Basic Menu] key is selected in the special modes screen, the selected settings are entered and the base screen reappears.

☞ Internet fax mode (page 5-78)

Scan mode, USB memory mode, Data entry mode



(1) [Function Review] key*1

Select this to check the special mode settings.

(2) [Program] key*2, 3

☞ STORING SCAN OPERATIONS (Programs) (page 5-79)

(3) [Timer] key*2

☞ SENDING AN IMAGE AT A SPECIFIED TIME (Timer Transmission) (page 5-83)

(4) [Card Shot] key

☞ SCANNING BOTH SIDES OF A CARD ONTO A SINGLE PAGE (Card Shot) (page 5-85)

(5) [Bus. Card Scan] checkbox*4

☞ SCANNING BUSINESS CARDS (Business Card Scan) (page 5-88)

(6) [Slow Scan Mode] checkbox

☞ SCANNING THIN ORIGINALS (Slow Scan Mode) (page 5-89)

(7) [Erase] key

☞ ERASING PERIPHERAL SHADOWS ON THE IMAGE (Erase) (page 5-91)

(8) [Job Build] checkbox

☞ SCANNING MANY ORIGINALS AT ONCE (Job Build) (page 5-94)

(9) [Suppress Background] key

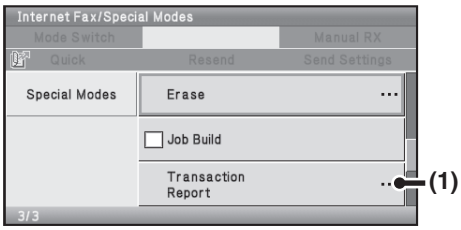
☞ WHITENING FAINT COLOURS IN THE IMAGE (Suppress Background) (page 5-96)

*1 This cannot be selected when a special mode has not been enabled.
*2 Does not appear in USB memory mode.
*3 Does not appear in data entry mode.
*4 The optional business card feeder must be attached and "Business Card Scan Option" must be enabled in the system settings (administrator).

Contents

Internet fax mode

The special mode explained below can only be used in Internet fax mode. The other special modes are the same as those explained in "Scan mode, USB memory mode, Data entry mode" (page 5-77).



(1) [Transaction Report] key

☞ CHANGING THE PRINT SETTINGS FOR THE TRANSACTION REPORT (Transaction Report) (page 5-98)

Special modes can generally be combined with other special modes, however, there are some combinations that are not possible. If a prohibited combination is selected, a message will appear in the display.

Contents

STORING SCAN OPERATIONS (Programs)

A destination, original settings, and functions can be stored in a program. When you wish to use those settings to send an image, they can be retrieved with ease.
For example, suppose A4 (8-1/2" x 11") size documents are scanned into a file and sent to each branch office once a month.

(1) The same documents are sent to each branch office
(2) Smudges on the edges of the documents are erased before transmission

When a job program is not stored	When a job program is stored
Enter the address of each branch office. ↓ Select Erase settings. ↓ Press the [START] key. The originals are scanned and transmitted.	Select a stored program key. ↓ Press the [START] key. The originals are scanned and transmitted.
Considerable time is required to send the documents each month because the above settings must be selected. In addition, mistakes may occasionally be made when selecting the settings, so incorrect transmissions may occur.	When a program is used, settings are selected with ease by simply pressing the stored key. In addition, transmission takes place based on the stored settings so there are no chances for mistakes.

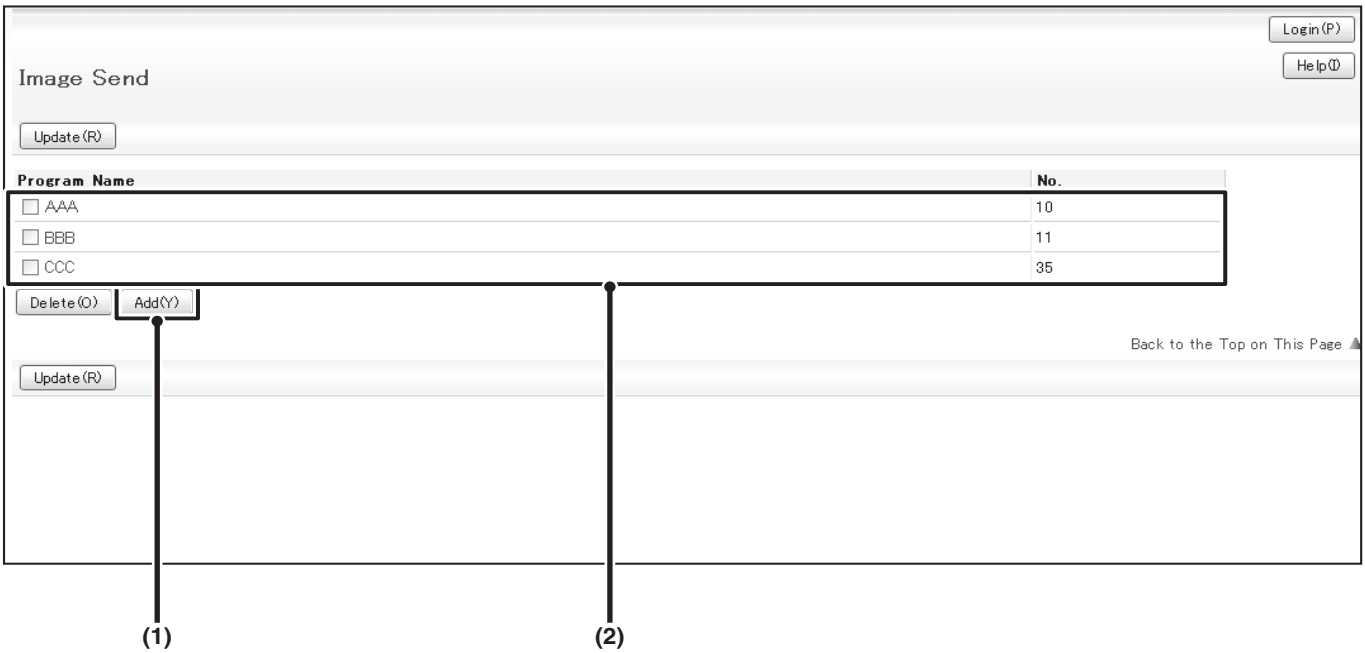
Contents

Job Programs

If you frequently use the same settings and/or functions to transmit to the same destination or destinations, the settings and destinations can be stored in a program. This allows the settings and destinations to be selected by simply selecting the program.

Storing a job program

Programs can be stored, edited, and deleted in [Job Program] > [Image Send] in the Web page menu.



(1) [Add] key
Use this to add a new program.

(2) List display
This displays a list of the currently stored programs. A program can be selected to open an edit/delete screen for the program.

Select the [Add] key in the above screen to open a registration screen. Up to 48 programs can be stored.
For more information, see "Settings" (page 5-81).

- A timer setting cannot be included in a program.
- At least one one-touch key must be specified in a program or the program cannot be stored.
- Programs can also be stored in the Web pages. Click [Job Programs] and then [Image Send] in the Web page menu.
- The settings stored in a program will be retained even after the program is used for transmission. The same settings can be used repeatedly for transmission.
- The following settings can be stored in programs.
  - Image send mode: Scan, Internet fax
  - Destinations
  - Image settings:Original scan size, original orientation, duplex scanning, exposure, resolution
  - Special modes:Erase, Suppress Background, Job Build, Slow Scan Mode, Business Card Scan
- Up to 500 destinations can be stored in one program.

Editing and deleting job programs

A program can be selected from the list in the above screen to open an edit screen for the program.
To delete the program, select the checkbox ☑ next to the program name and then select [Delete].
For more information, see the following table.

Settings

Item	Description
Program Number	Set the number to be assigned to the program. The lowest available number is automatically entered. To change the number, enter a number from 01 to 48. A number that has already been stored cannot be used.
Program Name	Enter a maximum of 36 characters for the program name.
Condition Settings	This shows setting screens for each mode.
Mode Switch	Select the mode that you wish to use (Internet Fax, scan, copy, etc.). The display will change to the base screen of the selected mode.
Address Setting	This shows the setting screen for addresses. Select the address(es) to be used in the program from the address book. Up to 500 destinations can be stored in one program.
Mode Settings	Frequently used settings can be stored in the same way as when they are selected for a mode.

This function cannot be used in USB memory mode or data entry mode.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original in the document feeder tray or on the document glass as appropriate for the functions stored in the program.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

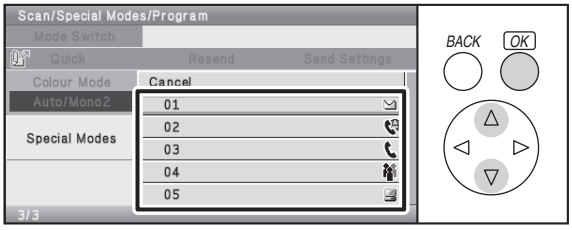
2 Select the special modes.

(1) Select the [Special Modes] key.

(2) Select the [Program] key.

☞ SPECIAL MODES (page 5-77)

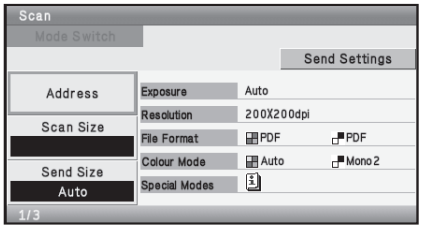
3 Retrieve the stored program.



Select the desired program key.

Contents

4



Select additional settings.

When a program is used, the following settings can be additionally specified:

- Image Settings: Original scan size*, send size, file format, colour mode
- Send settings
- Special modes: Timer Transmission, Card Shot, Transaction Report, Business Card Scan

* When stored in the program, this cannot be additionally specified.

- The screen that appears will vary depending on the destination stored in the program.
- The mode cannot be changed here.
- Functions stored in the program cannot be cancelled here.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

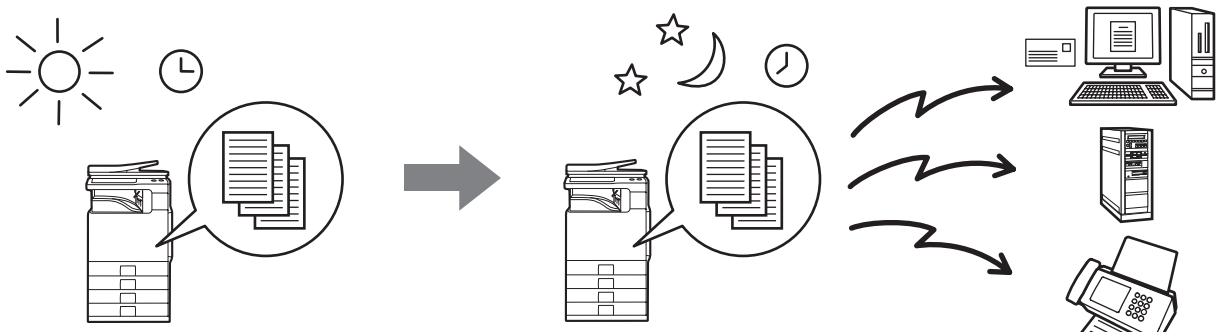
- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [COLOUR START] key or the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

Contents

SENDING AN IMAGE AT A SPECIFIED TIME (Timer Transmission)

This function lets you specify a time at which a transmission or broadcast transmission will automatically take place. Transmission begins automatically at the specified time.



Set a transmission to take place at 20:00

At 20:00, the transmission begins automatically

- When a timer transmission is stored, keep the main power switch in the "on" position. If the main power switch is in the "off" position at the specified time, transmission will not take place.
- When performing a timer transmission, you must scan the original into memory when you set up the transmission. It is not possible to leave the document in the auto document feeder or on the document glass and have it scanned at the specified time of transmission.
- Settings selected for a timer transmission (exposure, resolution, special modes, etc.) are automatically cleared after the transmission is finished.
- This function cannot be used in USB memory mode.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2 Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

3 Select the special modes.

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

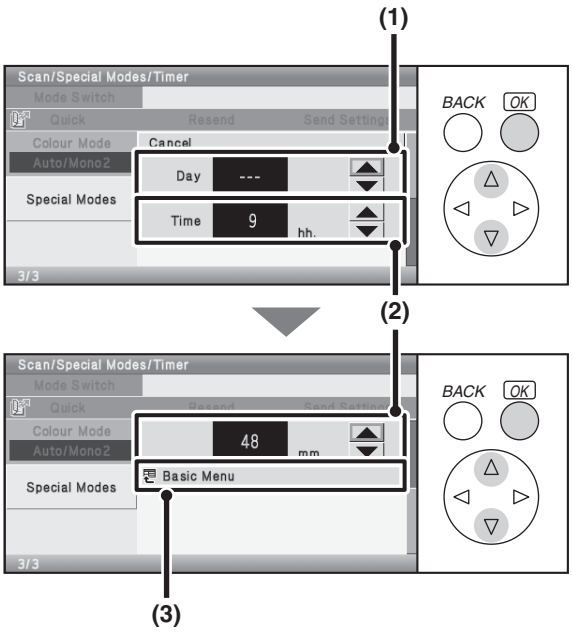
(3) Select the [Special Modes] key.

(4) Select the [Timer] key.

☞ SPECIAL MODES (page 5-77)

Contents

4



Set the time with the ▼ ▲ keys.

(1) Specify the day.

If you do not wish to specify a day, select [---]. In this case, transmission will begin when the time specified in (2) arrives.

(2) Specify the time (hour, minute)

Select the time in 24-hour format.
You can also select a numeric display key to change the setting with the numeric keys.

(3) Select the [Basic Menu] key.

When this screen is opened, the setting will show the current time. If the time is not correct, press the [CLEAR ALL] key (CA) to cancel the operation. Correct the time in the system settings and then perform the timer transmission procedure.
☞ CHECKING THE DATE AND TIME (page 5-5)

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [COLOUR START] key or the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

- If the destination is an Internet fax destination, press the [BLACK & WHITE START] key.
- The original is scanned into memory. The original cannot be scanned at a specified time.

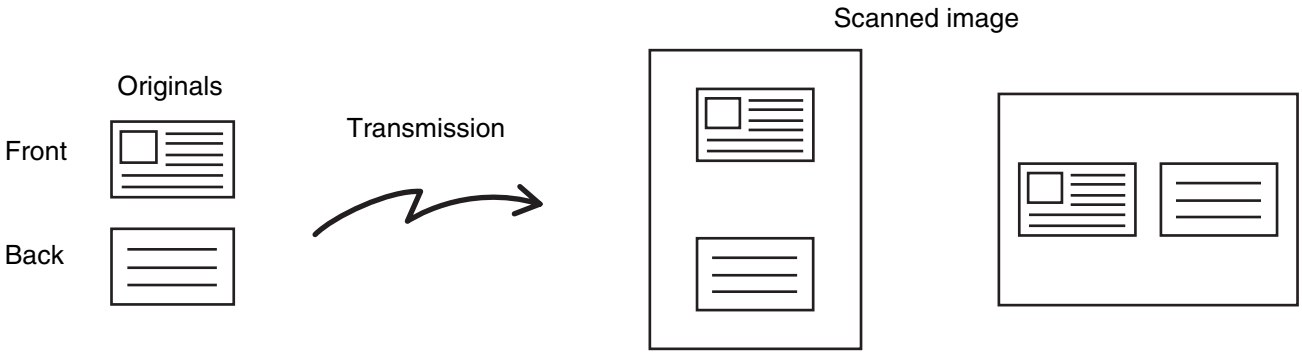
To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

- The time can be specified up to a week in advance.
- Up to 94 timer transmissions can be stored at once.
- If another transmission is in progress when the specified time arrives, the timer transmission will begin after that transmission is finished.
- Other transmissions can be performed as usual after a timer transmission is stored.
- A timer transmission can be deleted in the job status screen.
- If a timer transmission is given priority in the job status screen, the time specification is cancelled. The transmission will begin as soon as the job in progress is completed.
  ☞GIVING PRIORITY TO A SCAN TRANSMISSION JOB (page 5-107)

To cancel timer transmission...
Select the [Cancel] key in the screen of step 4.

SCANNING BOTH SIDES OF A CARD ONTO A SINGLE PAGE (Card Shot)

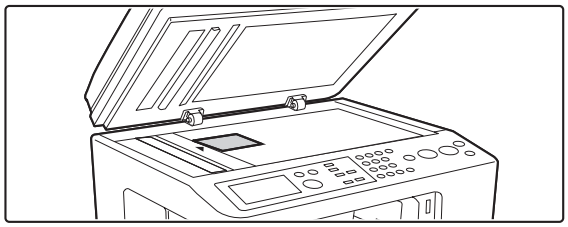
This function lets you send the front and reverse sides of a card as a single page, without the need to send each side separately.



- When using card shot, the original must be placed on the document glass.
- When using USB memory mode, connect the USB memory device to the machine before performing the procedure below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the original face down on the document glass.

2

Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

When scanning to USB memory, there is no need to specify the destination. Go to step 3.

3

Select the special modes.

(1) Select the [Mode Switch] key.

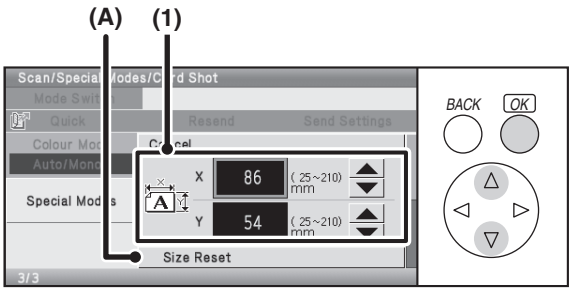
(2) Select the mode that you wish to use.

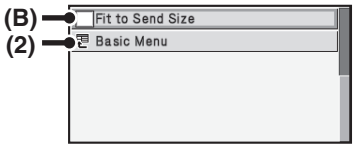
(3) Select the [Special Modes] key.

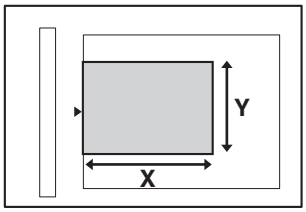
(4) Select the [Card Shot] key.

☞ SPECIAL MODES (page 5-77)

4







Specify the original size.

(1) Enter the original size.

- Select the X (width) numeric value display key and enter the width.
- Select the Y (height) numeric value display key and enter the height.

(A) To return the original size to the default size, select the [Size Reset] key.

(B) To have the image automatically enlarged or reduced to the send size, select the [Fit to Send Size] checkbox ☑. The checkbox does not need to be selected if you wish to scan at the entered original size.

(2) Select the [Basic Menu] key.

- You can also select the ▼ ▲ keys to change the number.
- The send size will be selected automatically based on the entered original size.
- After selecting card scan, you can change the scan size and the send size from the [Scan Size] key and [Send Size] key in the base screen. In this case, the screen of this step will appear in the scan size setting screen. For the procedure for setting the send size, see "Specifying the send size of the image" (page 5-65).

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the front side of the card.

If the destination is an Internet fax destination, press the [BLACK & WHITE START] key.

To cancel scanning...
Press the [STOP] key (⊗) to cancel the operation.

6

Turn the card over and press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the reverse side of the card.

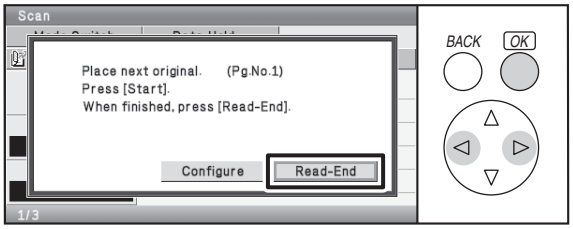
Press the same [START] key that was used to scan the front side.

Before scanning the back of the card, you can select the [Configure] key in the display to change the exposure.

To cancel scanning...
Press the [STOP] key (⊗) to cancel the operation.

Contents

7



Select the [Read-End] key.

If you will continue scanning additional cards, you can select the [Configure] key to change the exposure, resolution, scan size, and send size.

The ratio cannot be specified and "Rotation Sending Setting" cannot be selected.

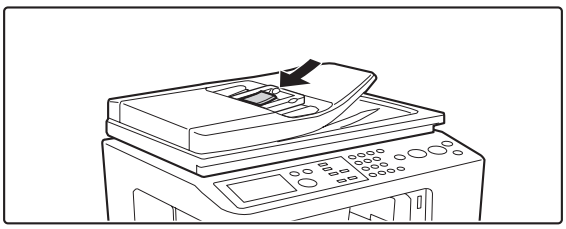
To cancel Card Shot...
Select the [Cancel] key in the screen of step 4.

Contents

SCANNING BUSINESS CARDS (Business Card Scan)

Multiple business cards can be scanned and transmitted at once.
To use this function, the business card feeder must be attached to the automatic document feeder and "Business Card Scan Option" must be enabled in the system settings (administrator). For the attachment procedure, see "BUSINESS CARD FEEDER" in "BEFORE USING THE MACHINE" (page 1-55).

Keys in the display can be selected with the arrow keys and the [OK] key.

1 

Load the business cards.

2 **Specify the destination.**

☞ ENTERING DESTINATIONS (page 5-22)

3 **Select the special modes.**

(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Special Modes] key.

(4) Select the [Bus. Card Scan] key.

Read the message that appears and then press the [OK] key.

☞ SPECIAL MODES (page 5-77)

4 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Scanning begins. A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key (⊘) to cancel the operation.

This function cannot be used when the scan size is specified by numerical values.

System Settings (Administrator): Business Card Scan Option
Specify whether or not the business card scan function is used.

Contents

SCANNING THIN ORIGINALS (Slow Scan Mode)

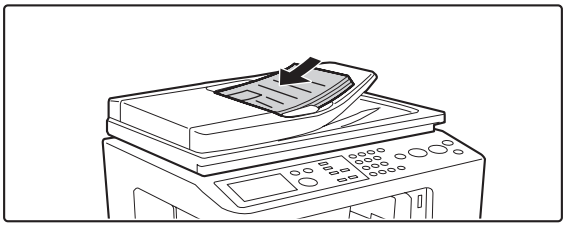
Use this function when you wish to scan thin originals using the automatic document feeder. This function helps prevent thin originals from misfeeding.



When using USB memory mode, connect the USB memory device to the machine before performing the procedure below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Insert the originals face up in the document feeder tray.

Adjust the original guides slowly.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

If the originals are inserted with too much force, they may crumple and misfeed.

2

Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

When scanning to USB memory, there is no need to specify the destination. Go to step 3.

3

Select the special modes.

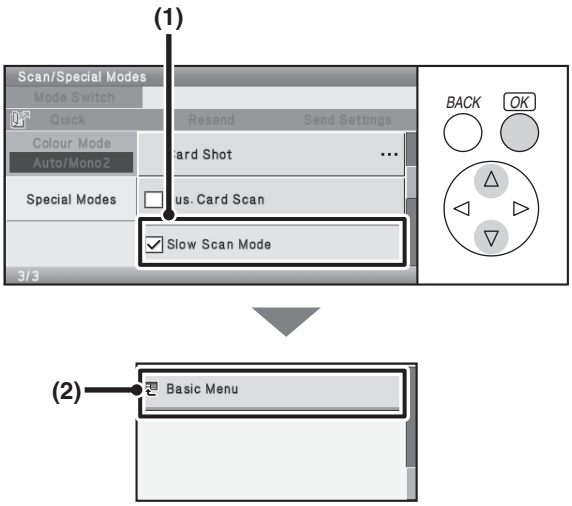
(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Special Modes] key.

☞ SPECIAL MODES (page 5-77)

4



Select slow scan mode.

(1) Set the [Slow Scan Mode] checkbox to ☑.

(2) Select the [Basic Menu] key.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins. A beep will sound to indicate that scanning is finished.

If the destination is an Internet fax destination, press the [BLACK & WHITE START] key.

To cancel scanning...
Press the [STOP] key (⊘) to cancel the operation.

When this function is selected, automatic 2-sided scanning is not possible.

To cancel slow scan mode...
Set the [Slow Scan Mode] checkbox to ☐ in the screen of step 4.

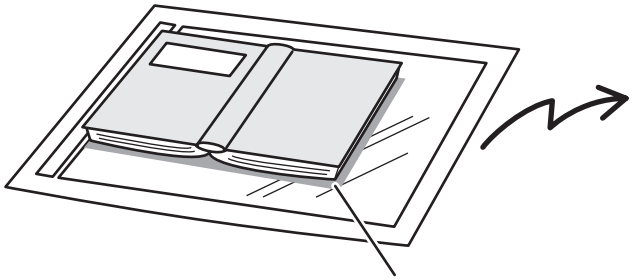
System Settings (Administrator): Original Feeding Mode (Web page only)
This is used to have scanning always take place in slow scan mode.

Contents

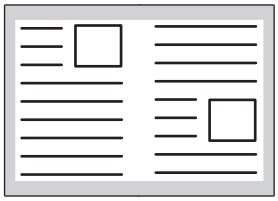
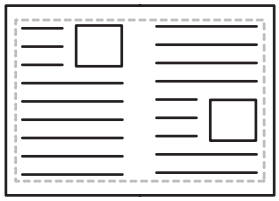
ERASING PERIPHERAL SHADOWS ON THE IMAGE (Erase)

The erase function is used to erase shadows on images produced when scanning thick originals or books. (This function does not detect shadows and will eliminate everything appearing in the erase area - including shadows, text and images.)

Scanning a thick book



Shadows appear here

Not using the erase function	Using the erase function
	
Shadows appear in the image.	No shadows appear.

Erase modes



- Shadows at the edges of the original can also be erased when the automatic document feeder is used.
- When using USB memory mode, connect the USB memory device to the machine before performing the procedure below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2 Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

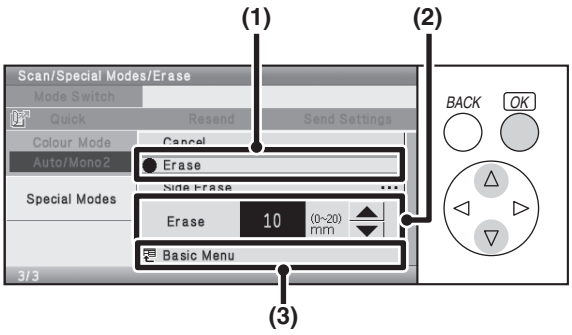
When scanning to USB memory, there is no need to specify the destination. Go to step 3.

3 Select the special modes.

(1) Select the [Mode Switch] key.
(2) Select the mode that you wish to use.
(3) Select the [Special Modes] key.
(4) Select the [Erase] key.
☞ SPECIAL MODES (page 5-77)

4

Select the erase settings.



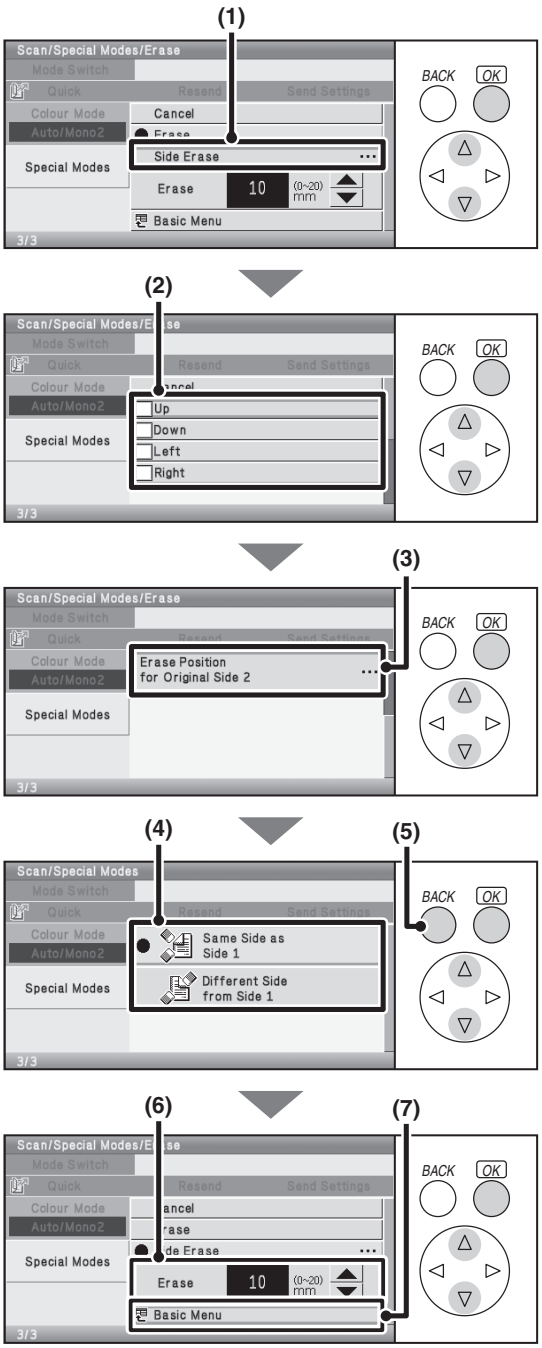
● When [Erase] is selected

(1) Select the [Erase] key.

(2) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(3) Select the [Basic Menu] key.



● When [Side Erase] is selected

(1) Select the [Side Erase] key.

(2) Set the sides to be erased.

Select the checkboxes ☑ of the sides that you wish to erase.

(3) Select the [Erase Position for Original Side 2] key.

(4) Set the erase edge on the reverse side.

When performing two-sided scanning, set the erase edge on the reverse side.

- If you select the [Same Side as Side 1] key, the edge in the same position as on the front side will be erased.
- If you select the [Different Side from Side 1], the edge in the position opposite to the erased edge on the front side will be erased.

(5) Press the [BACK] key.

(6) Set the erasure width.

Select the number display and press the [OK] key. A number entry screen will appear. Enter the desired number with the numeric keys and select the [OK] key in the number entry screen.
0 mm to 20 mm (0" to 1") can be entered.
You can also change the number with the ▼ ▲ keys.

(7) Select the [Basic Menu] key.

Contents

5 **Press the [COLOUR START] key or the [BLACK & WHITE START] key.**

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning of one page finishes, replace it with the next page and press the [COLOUR START] key or the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then press the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

If the destination is an Internet fax destination, press the [BLACK & WHITE START] key.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

When the erase function is used, erase takes place at the edges of the original image. If you also use a reduction or an enlargement setting, the erase width will change according to the selected ratio. For example, if the erase width setting is 20 mm (1") and the image is reduced to 50%, the erase width will be 10 mm (1/2").

To cancel the erase setting...
Select the [Cancel] key in the screen of step 4.

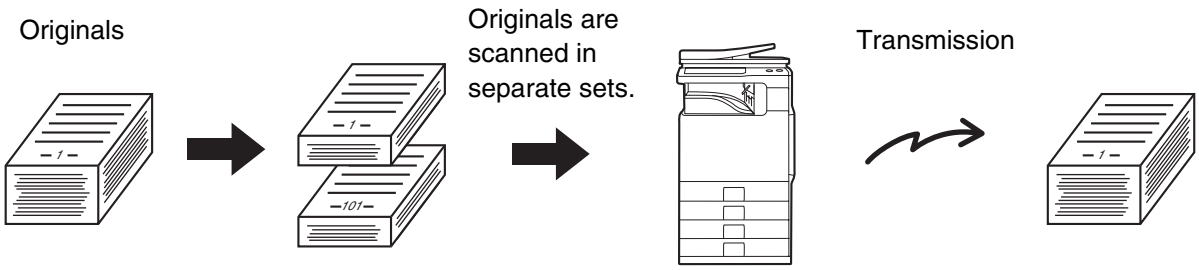
System Settings (Administrator): Erase Width Adjustment
The default erase width setting is linked to the copy mode system setting, and can be set from 0 mm to 20 mm (0" to 1"). The factory default setting is 10 mm (1/2").

Contents

SCANNING MANY ORIGINALS AT ONCE (Job Build)

This function lets you separate an original consisting of numerous pages into sets, scan each set using the automatic document feeder, and transmit the pages in a single transmission. Use this function when the number of originals that you wish to scan exceeds the maximum number of sheets that can be inserted in the automatic document feeder at once.

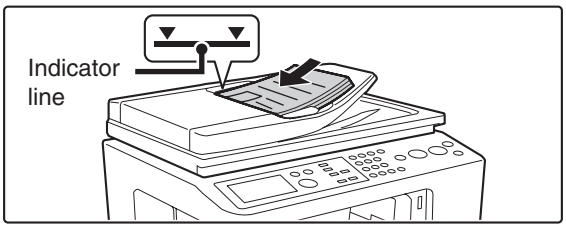
When scanning originals that are separated into sets, scan the set that has the first page first. The settings that you select for the first set can be used for all remaining sets.



- Up to 999 pages can be scanned. Note that when the memory is being used for other jobs, fewer pages can be scanned.
- When using USB memory mode, connect the USB memory device to the machine before performing the procedure below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Insert the originals face up in the document feeder tray.

Insert the originals all the way into the document feeder tray. Multiple originals can be placed in the document feeder tray. The stack of originals must not be higher than the indicator line on the tray.

When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2

Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

When scanning to USB memory, there is no need to specify the destination. Go to step 3.

3

Select the special modes.

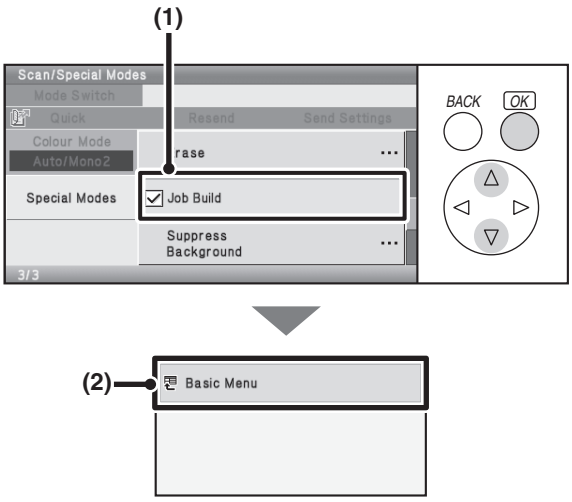
(1) Select the [Mode Switch] key.

(2) Select the mode that you wish to use.

(3) Select the [Special Modes] key.

☞ SPECIAL MODES (page 5-77)

4



Select job build mode.

(1) Set the [Job Build] checkbox to ☑.

(2) Select the [Basic Menu] key.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key to scan the first set of originals.

If the destination is an Internet fax destination, press the [BLACK & WHITE START] key.

To cancel scanning...
Press the [STOP] key (⊘) to cancel the operation.

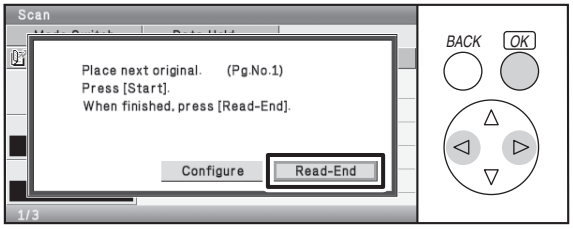
6

Insert the next set of originals and press the [COLOUR START] key or the [BLACK & WHITE START] key.

Press the [START] key pressed in step 5.
Repeat until all originals have been scanned.

To cancel scanning...
Press the [STOP] key (⊘) to cancel the operation. All scanned data will be cleared.

7



Select the [Read-End] key.

- If no action is taken for one minute after the confirmation screen appears, scanning automatically ends and the transmission is reserved.
- The [Configure] key can be selected to change the exposure, resolution, scan size, and send size for each original page scanned.

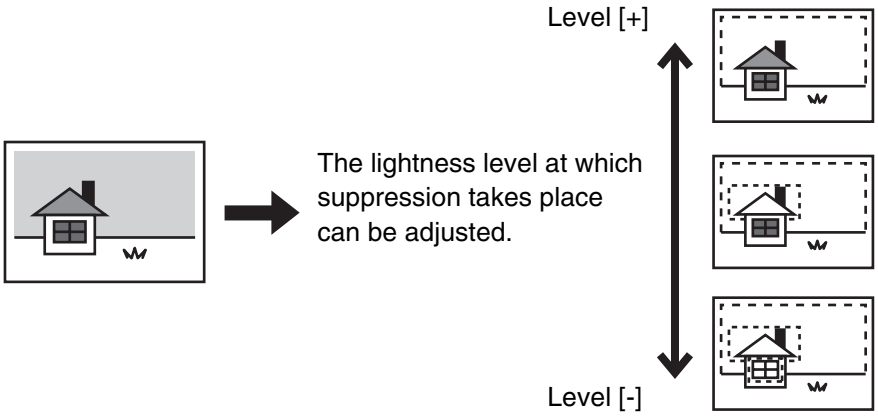
If the memory becomes full during scanning, a message will appear and the transmission will be cancelled.

To cancel the job build function....
Set the [Job Build] checkbox to ☐ in the screen of step 4.

Contents

WHITENING FAINT COLOURS IN THE IMAGE (Suppress Background)

This feature is used to suppress light background areas.



- This function cannot be used in Internet fax mode.
- When using USB memory mode, connect the USB memory device to the machine before performing the procedure below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.
☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2 Specify the destination.

☞ ENTERING DESTINATIONS (page 5-22)

When scanning to USB memory, there is no need to specify the destination. Go to step 3.

3 Select the special modes.

(1) Select the [Mode Switch] key.

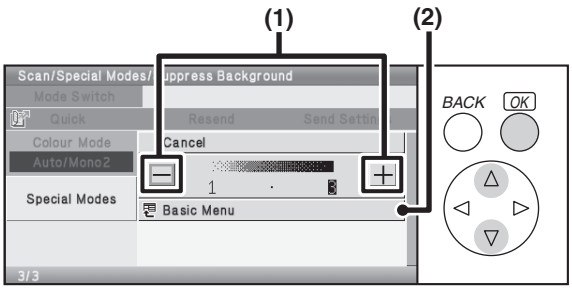
(2) Select the mode that you wish to use.

(3) Select the [Special Modes] key.

(4) Select the [Suppress Background] key.

Read the message that appears and then press the [OK] key.
☞ SPECIAL MODES (page 5-77)

4



Select the suppress background setting.

(1) Adjust the background suppression level.

Select the [+] key and press the [OK] key to suppress only faint background.
Select the [-] key and press the [OK] key to suppress faint to dark background.

(2) Select the [Basic Menu] key.

5

Press the [COLOUR START] key or the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [COLOUR START] key or the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

When the colour mode setting of the [BLACK & WHITE START] key is [Mono2], the suppress background function will not operate if the [BLACK & WHITE START] key is pressed.

To cancel scanning...
Press the [STOP] key ( ) to cancel the operation.

To cancel the background suppression setting...
Select the [Cancel] key in the screen of step 4.

Contents

CHANGING THE PRINT SETTINGS FOR THE TRANSACTION REPORT (Transaction Report)

A transaction report is automatically printed out to alert you when an Internet fax transmission fails or when a broadcast transmission is performed. The transaction report contains a description of the transmission (date, start time, name of other party, time required, number of pages, result, etc.).

☞ INFORMATION APPEARING IN THE RESULT COLUMN (page 5-108)

This function cannot be used in scan mode, USB memory mode, or data entry mode.

Transaction reports are printed based on conditions set in the system settings; however, you can temporarily select different conditions for a transmission. To change the transaction report print conditions at the time of transmission, follow the steps below.

Keys in the display can be selected with the arrow keys and the [OK] key.

1 Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2 Specify the destination.

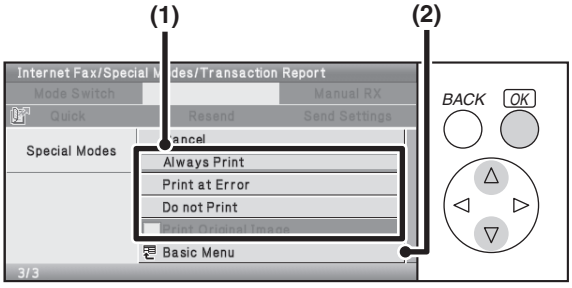
☞ ENTERING DESTINATIONS (page 5-22)

3 Select the special modes.

(1) Select the [Mode Switch] key.
(2) Select the [Internet Fax] key.
(3) Select the [Special Modes] key.
(4) Select the [Transaction Report] key.

☞ SPECIAL MODES (page 5-77)

4



Select print conditions.

(1) Select the print conditions.

(2) Select the [Basic Menu] key.

- The print conditions for a transaction report are as follows:
  "Always Print": A transaction report is printed no matter whether the transmission succeeds or fails.
  "Print at Error": A transaction report is printed when transmission fails.
  "Do not Print": Do not print a transaction report.
- When the [Print Original Image] checkbox is selected ☑, part of the transmitted original is included on the transaction report.

5

Press the [BLACK & WHITE START] key.

Scanning begins.

- If you inserted the original pages in the document feeder tray, all pages are scanned.
  A beep will sound to indicate that scanning is finished.
- If you are scanning the original on the document glass, scan each page one page at a time.
  When scanning finishes, place the next original and press the [BLACK & WHITE START] key. Repeat until all pages have been scanned and then select the [Read-End] key.
  A beep will sound to indicate that scanning is finished.

To cancel scanning...
Press the [STOP] key (⊗) to cancel the operation.

For a broadcast transmission, changes to the transaction report print conditions apply to all destinations.

To cancel the transaction report setting...
Select the [Cancel] key in the screen of step 4.

- **System Settings (Administrator): Transaction Report Print Select Setting (Web page only)**
  This is used to set the conditions for printing transaction reports.
  The factory default setting is [ ].
  Single Sending: Print Out All Report/[Print Out Error Report Only]/No Printed Report
  Broadcasting: [Print Out All Report]/Print Out Error Report Only/No Printed Report
  Receiving: Print Out All Report/Print Out Error Report Only/[No Printed Report]
- **System Settings (Administrator): Original Print on Transaction Report (Web page only)**
  This is used to have part of the transmitted original printed on the transaction report.

Contents

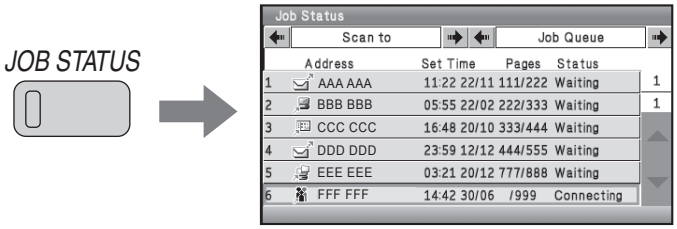
CHECKING THE STATUS OF TRANSMISSION/RECEPTION JOBS

This section explains how to check the status of reserved transmission jobs and received Internet faxes.

JOB STATUS SCREEN

The job status screen is displayed when the [JOB STATUS] key on the operation panel is pressed. The job status screen shows the status of jobs by mode. When the [JOB STATUS] key is pressed, the job status screen of the mode that was being used before the key was pressed appears.
Reserved transmissions and received Internet faxes are referred to as jobs.

Example: Selecting scan mode

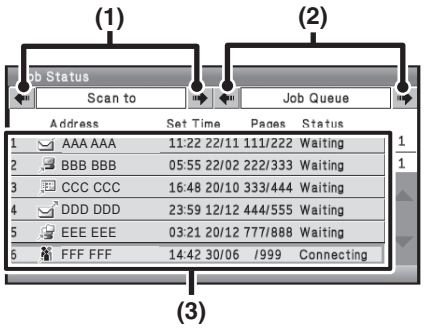


Contents

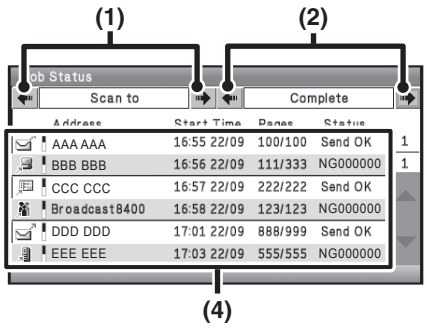
JOB QUEUE SCREEN AND COMPLETED JOB SCREEN

The job status screen consists of two screens: the job queue screen that shows reserved jobs and the job currently in progress, and the completed jobs screen. To switch between the two screens, select the job status screen selector key ((2) below).

Job queue screen



Complete screen



(1) Mode switch keys ( )

Select these keys to change the job status screen mode.

(2) Job status screen selector keys ( )

Select these keys to switch between the job queue screen and the completed jobs screen.

(3) Job queue screen

Jobs are shown as keys in the order they were reserved. Each key shows information on the job and its current status.

☞ Job key display (page 5-102)

(4) Completed jobs screen

This shows up to 99 completed transmission or reception jobs in each mode. A description of the job and the result (status) are shown.

Jobs that used broadcast transmission jobs, and received Internet fax forwarding jobs are indicated as keys.

Contents

Job key display

The following information is shown in the job queue keys and completed job keys that appear in the job status screen. Direct SMTP information is also included in Internet fax transmission/reception information.



(1) Displays the number (position) of the job in the job queue.

When the job currently being transmitted is finished, the job moves up one position in the job queue.
This number does not appear in lists in the completed jobs screen.

(2) Mode icon

This indicates the type of job. In the completed jobs screen, a colour bar appears next to the icon to indicate whether the job was executed in colour or black & white.

Icon	Job type
	Scan to E-mail
	Scan to FTP
	Scan to Network Folder
	Scan to Desktop
	Internet fax transmission
	Internet fax reception
	PC-I-Fax transmission
	Broadcast transmission or Inbound routing
	Metadata transmission

(3) Name of communicating party (address)

For a transmission, the name or address of the destination.
For a reception, the address of the sending party.
In the case of a broadcast transmission, "Broadcast" appears together with a broadcast control number (4-digits).

(4) Time reserved/Time started

In the job queue screen, the date and time the job was reserved. In the completed jobs screen, the date and time the job was started.

(5) Number of pages

Shows the number of pages transmitted/total number of original pages.

(6) Status

Shows the job status.

- Job in progress

Display	Status
"Connecting"	Connecting to the destination.
"Sending"	Sending data.
"Receiving"	Receiving an Internet fax.
"Stopped"	The job has been stopped.
"Error"	An error occurred while the job was being executed.

- Job waiting to be executed

Display	Status
"Waiting"	The job is waiting to be executed.
"Retry Mode"	The job is being re-attempted due to a communication error or other problem.
"Report Wait"	An Internet fax has been sent for which a receive report was requested, and the machine is waiting for the receive report.
A day and time is displayed	Timer transmission job (the specified time is displayed)

Contents

• Completed job

Display	Status
"Send OK"	Transmission was completed.
"In Memory"	An Internet fax has been received but has not yet been printed.
"Received"	A received Internet fax has been printed or deleted in the check image screen.
"Forward OK"	A received Internet fax has been forwarded.
"Stopped"	The job was stopped.
"Number of successful transmission destinations/ Total destinations OK"	Completion of a broadcast transmission or inbound routing operation. If transmission to 3 destinations was successful out of a total of 5, "003/005 OK" will appear.
"No Response"	An error occurred because there was no response from the destination.
"OK Report"	A receive report was requested for a transmission, the transmission was completed normally, and the receive report was received from the destination.
"NG Report"	A receive report was requested for a transmission, however, the transmission did not take place correctly and a transmission failed report was received.
"No Report"	An e-mail was received without an attached file and thus printing was not possible.
"Received"	An e-mail was received, however, the attached file was not a TIFF-F file or there was no attached file, and thus printing was not possible.
"Rejected"	An Internet fax was sent from a party that is blocked.
"NGxxxxxx"	Transmission/reception was not successful because a communication error occurred (a 6-digit error code appears in xxxxxx.)
"Error"	An error occurred while the job was being executed.

Contents

OPERATION WHEN A JOB IN THE JOB QUEUE IS COMPLETED

When a normal transmission job is completed, it moves to the completed jobs screen and "Send OK" appears in the status column.
Received Internet faxes, timer transmission jobs, and forwarding jobs are handled in the job status screen as explained below.

Internet fax reception jobs

While an Internet fax is being received, "Receiving" appears.
When reception is completed, the job moves to the completed jobs screen and "In Memory" appears.
When printing ends, the status changes to "Printed" and the job is completed.

Timer transmission jobs

A timer transmission job appears at the bottom of the job queue until the specified time arrives.
When the specified time arrives, the job is executed. If another job is in progress, the timer job is started when the other job is completed.

Internet fax transmission jobs that request a receive report

After completion of an Internet fax transmission job (excluding Direct SMTP transmission jobs) that requests a receive report, the job is placed on standby at the bottom of the job queue screen. "Report Wait" appears in the status column. When the receive report is received from the destination, or if the report is not received within the timeout time, the job moves to the completed jobs screen.

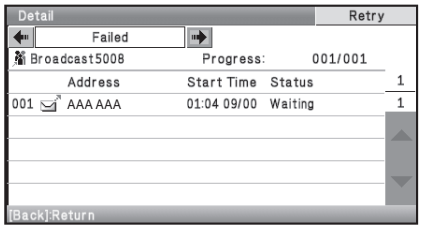
Reception jobs when "Inbound Routing Settings" are enabled

When "Inbound Routing Settings" are enabled, reception jobs are handled as follows depending on the print setting.
☞ FORWARDING RECEIVED INTERNET FAXES TO A NETWORK ADDRESS (Inbound Routing Settings) (page 5-114)

- **Received Internet fax is not printed**
  "Receiving" appears while the Internet fax is being received. When reception is completed, the job moves to the job queue of the job status screen of scan mode.
- **Received Internet fax is printed**
  When reception is completed, the job moves to the completed jobs screen and "In Memory" appears. When printing ends, the status changes to "Printed" and the job is completed. In addition, the job is added to the job queue of the job status screen of scan mode. When forwarding received Internet faxes is finished, "Forward OK" appears.

CHECKING COMPLETED JOBS

You can check a list of the destinations, the destinations for which transmission failed, and other detailed information on completed jobs that used broadcast transmission jobs, and received Internet fax forwarding jobs. Select the key of the job for which you wish to display information in the completed jobs screen and select the [Detail] key. The job detail screen (see below) will appear.



The job name appears at the top of the job detail screen.
To view details on the job, select either of the keys with the keys and press the [OK] key. The following information appears on each screen.

Tab name	Information displayed
Failed	Shows information on addresses for which communication failed. Address: Address name or number Start time: Time at which communication began. Status: Description of failure (error) The [Retry] key can be selected to re-attempt transmission to that address.*
All Destinations	Shows all addresses specified in the job. Address: Address name or number Start time: Time at which communication began. Status: Communication result The [Retry] key can be selected to transmit to all addresses again.*

* Recalling is not possible for a broadcast transmission that includes a Scan to FTP address, Scan to Network Folder address, or Scan to Desktop address.

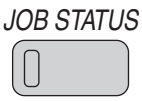
Contents

STOPPING A SCAN JOB BEING TRANSMITTED OR WAITING TO BE TRANSMITTED

Follow the steps below to stop a job that is being transmitted or is waiting to be transmitted.

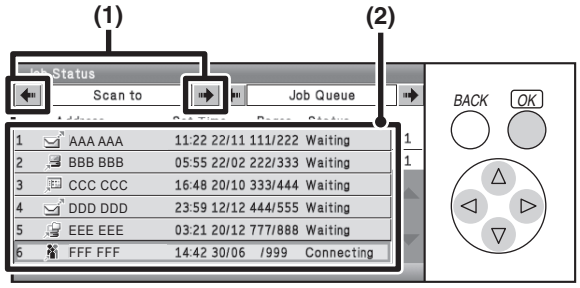
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Select the job that you wish to stop.

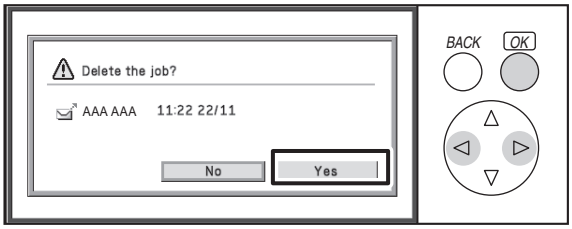
(1) Switch to the mode of the job that you wish to stop.

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Select the job to be stopped.

(3) Select [Stop/Delete] in the displayed screen.

3



Select the [Yes] key.

If you do not want to stop the selected job...
Select the [No] key.

Printing of a received Internet fax cannot be stopped.

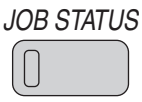
Contents

GIVING PRIORITY TO A SCAN TRANSMISSION JOB

When multiple jobs are waiting to be transmitted, the jobs are normally transmitted in the order they were reserved. If you need to give priority to a job and send it ahead of the other jobs, follow the steps below.

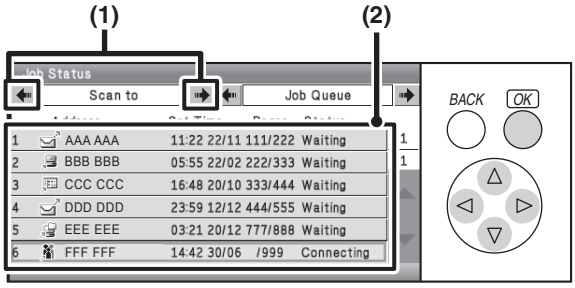
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Press the [JOB STATUS] key.

2



Select the job to which you wish to give priority.

(1) Switch to the mode of the job to be given priority.

Select either of the keys with the keys and press the [OK] key. The mode changes each time the [OK] key is pressed.

(2) Select the job to be given priority.

(3) Select [Priority] in the displayed screen.

The selected job moves up to the position immediately following the job in progress. The job will be executed when the job in progress is completed.

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CHECKING THE INTERNET FAX ACTIVITY LOG (Image Sending Activity Report)

IMAGE SENDING ACTIVITY REPORT

You can have the machine print a log of recent image sending activity (date, name of other party, time required, result, etc.). The Image Sending Activity Report contains useful information such as the types of errors that occurred.
The most recent 200 transactions are included in the report.
You can have the machine print the Image Sending Activity Report each time the number of transactions reaches 201, or at a specified time (once a day only).

The contents of the Image Sending Activity Report are erased when the report is printed, and thus it cannot be reprinted.

System Settings (Administrator): Activity Report Print Select Setting (Web page only)
This is used to set the conditions for printing activity reports. The factory default setting is not to print.
The Image Sending Activity Report can be set to print each time the number of transactions reaches 201, or at a specified time (once a day only).

INFORMATION APPEARING IN THE RESULT COLUMN

Error types and other information are printed in the result column of transaction and activity reports. When a transaction report or activity report is printed, check the result of the transaction in the result column and take action as needed.

Examples of messages that are printed in the result column

Message	Explanation
OK	The transaction was completed normally.
OK REPORT	A receive report was requested for a transmission, the transmission was completed normally, and the receive report was received from the destination.
CANCEL	A transmission was stopped while in progress, or a reserved transmission job was cancelled.
MEM. FULL	The memory became full during reception.
REJECTED	An Internet fax was sent from a party that is blocked.
NG REPORT	A receive report was requested for a transmission, however, the transmission did not take place correctly and a transmission failed report was received.
NO REPORT	A receive report was requested for a transmission, however, a report was not received within the timeout time.
NG LIMIT	Transmission was not possible because the file size exceeded the machine's file size limit setting.
RECEIVED	An e-mail was received, however, the attached file was not a TIFF-F file or there was no attached file, and thus printing was not possible.
FAIL xx (xxxx)	The transaction failed due to a communication error. First 2 digits of communication error number: Error code from 00 to 99. Last 4 digits of communication error number: Code for use by service technicians.

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INTERNET FAX RECEPTION FUNCTIONS

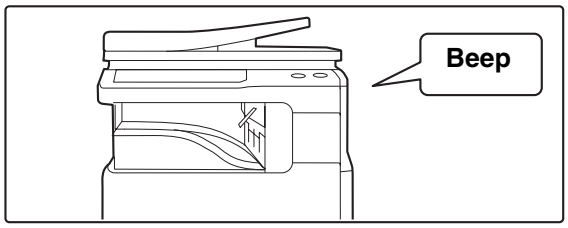
This section explains the basic procedures for receiving Internet faxes.

RECEIVING AN INTERNET FAX

The Internet fax function periodically* connects to the mail server (POP3 server) and checks whether or not Internet faxes have been received. When faxes have been received, the faxes are automatically retrieved and printed.
* The default setting is once every 5 minutes.

If faxes will be received at night, keep the main power switch in the "on" position.

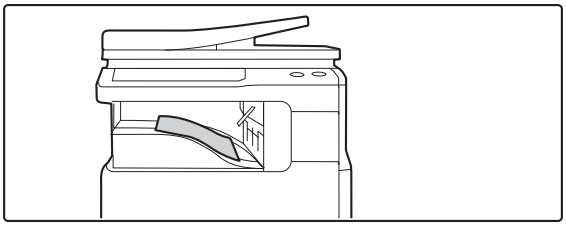
1



Internet faxes are received automatically.

A beep sounds when reception ends.

2



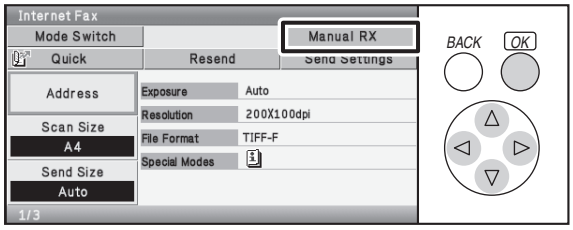
The Internet faxes are printed automatically.

If the machine is out of paper or there is no paper that matches the size of the received fax, a message will appear in the display. Follow the instructions in the message to load an appropriate size of paper.

- **System Settings: Fax Data Receive/Forward (page 6-97)**
  When printing is not possible because the machine has run out of paper or toner, received Internet faxes can be forwarded to and printed by another previously stored Internet fax machine.
- **System Settings (Administrator): I-Fax Default Settings (Web page only)**
  These settings are used to select how received faxes are handled when the [POWER] key ( ) is "off" (the main power switch is "on"), the volume of the beep that sounds when reception ends, and whether or not received e-mail messages are printed.
- **System Settings (Administrator): I-Fax Receive Settings (Web page only)**
  Settings related to Internet fax reception can be configured such as the interval for checking for received faxes, duplex reception, auto reduction printing, and storing allow/reject reception addresses.
- **System Settings (Administrator): Allow/Reject Mail or Domain Name Setting (Web page only)**
  This setting is used to allow/refuse reception from stored addresses and domains.
- **System Settings (Administrator): Receiving Date & Time Print (Web page only)**
  Use this to select whether or not the date and time of reception is added when a received image is printed.

MANUALLY RECEIVING INTERNET FAXES

If the interval for checking for received faxes is somewhat long and you wish to check immediately, you can manually initiate reception.
Select the [Manual RX] key to connect to the mail server and retrieve received faxes.



If POP3 server settings are not configured in the Web pages, the [Manual RX] key is greyed out to prevent selection.

System Settings: Fax Data Receive/Forward (page 6-97)
This setting is used to hide the [Manual RX] key that appears in the base screen of Internet Fax mode. When the [Manual RX] key is hidden, manual reception is initiated by selecting the [Reception Start] key in the screen that appears when "Fax Data Receive/Forward" - "I-Fax Settings" is selected.

PRINTING A PASSWORD-PROTECTED FAX (Hold Setting For Received Data Print)

"Hold Setting for Received Data Print" in the system settings (administrator) can be enabled to have faxes received to memory without being printed. To print the faxes, a password must be entered. When this function is enabled, a password entry screen appears in the display when received Internet faxes are retrieved.



When the previously programmed 4-digit password is entered with the numeric keys, printing begins.
If the [Cancel] key is selected, the password entry screen will close; however, will blink in the display to indicate that there is stored data. To open the password entry screen again, select the [Data Hold] key or change the mode.
When "Received Data Image Check Setting" (Web page only) is enabled in the system settings (administrator), a password can be entered to display the received data list screen. If you wish to check an image before printing it, continue from step 2 on the next page.

- The received faxes will be retained in memory regardless of whether they were received automatically or manually.
- If "Fax Data Receive/Forward" is enabled in the system settings so that received faxes are forwarded to another machine, faxes retained in memory are also forwarded. At that time, the same password entry screen will appear as for printing. Forwarding will not take place unless the password is entered.

System Settings (Administrator): Hold Setting for Received Data Print
Enable this setting to have faxes received to memory without being printed. This setting is also used to program the password that must be entered to print the faxes.

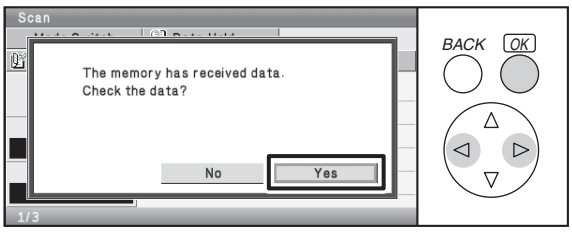
Contents

CHECKING THE IMAGE BEFORE PRINTING

When "Received Data Image Check Setting" (Web page only) is enabled* in the system settings (administrator), you can check a received image in the display before printing it out. When this function is enabled, follow the steps below to print a received image.
* The factory default setting is disabled.

Keys in the display can be selected with the arrow keys and the [OK] key.

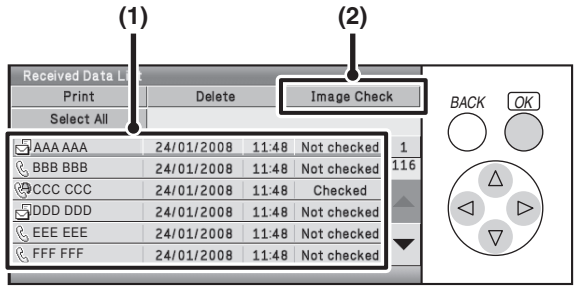
1



When an image is received, a confirmation prompt will appear. Select the [Yes] key.

If this message appears while you are configuring settings of any type and you select the [Yes] key, the settings that you are configuring will be cancelled. If this message appears in another mode, you will return to the base screen of image send mode after checking the image.

2



Select the received image

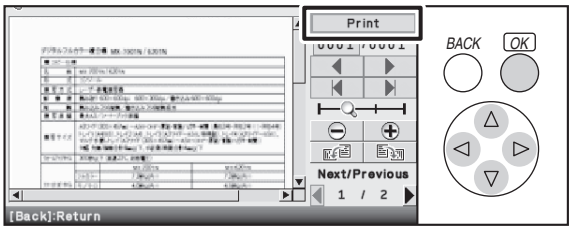
(1) Select the key of the received image that you want to check.

Multiple received images can be checked.

(2) Select the [Image Check] key.

To delete an image that has been selected, select the [Delete] key. To print an image that has been selected, select the [Print] key.

3



Check the received image and then select the [Print] key.

Printing begins.
For information on the image check screen, see "IMAGE CHECK SCREEN" (page 5-113).

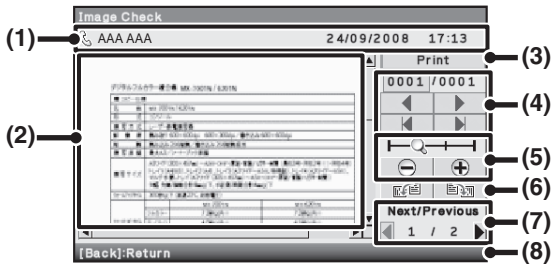
If the screen of step 1 appears when you are configuring settings in the setting screens of any of the modes, the configured settings will be cancelled if you view the image. After viewing the image, you will return to the base screen of image send mode, regardless of which mode you were in previously.

System Settings (Administrator): Received Data Image Check Setting (Web page only)
Use this to specify whether or not a received Internet fax can be viewed before it is printed.

Contents

IMAGE CHECK SCREEN

This section explains the image check screen.



(1) Information display

This shows information on the displayed image.

(2) Preview image

An image of the selected received image appears.
If the image is cut off, select ▼ ▲ ◀ ▶ at the right and bottom of the image to scroll.

(3) [Print] key

Select to start printing.

(4) Change page keys

When there are multiple pages, use these keys to change pages.

- |◀ ▶| keys: Go to the first or the last page.
- ◀ ▶ keys: Go to the previous page or the next page.
- Page number display: This shows the total number of pages and the current page number. You can select the current page number key and enter a number with the numeric keys to go to that page number.

(5) Display zoom key

Use this to set the zoom ratio of the displayed image. The setting applies to all pages in the file, not just the displayed page.

(6) "Display Rotation" key

This rotates the image right or left by 90 degrees. The rotation applies to all pages in the file, not just the displayed page.

(7) Image select key

When multiple images are selected for preview display, use this to change the displayed images.

(8) Guidance display

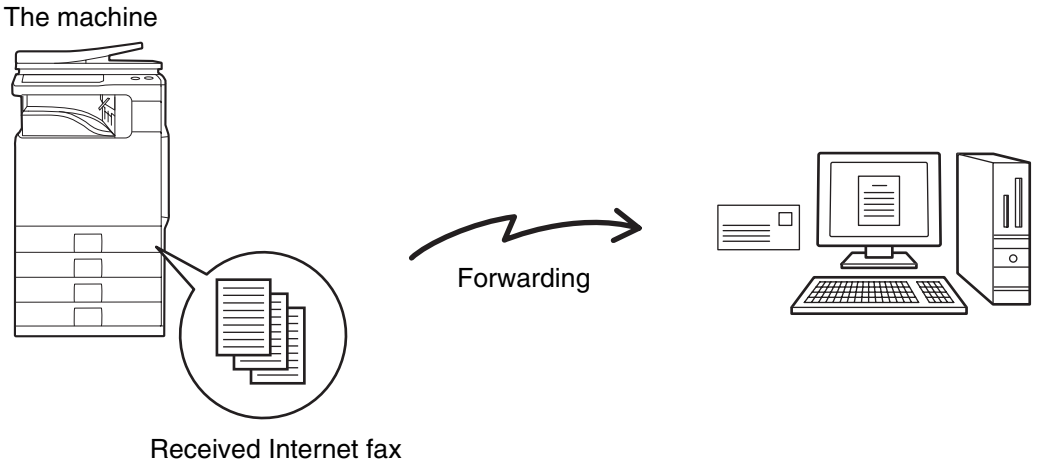
Shows keys that are used when an operation is performed.

A preview image is an image for display on the display. It will differ from the actual print result.

Contents

FORWARDING RECEIVED INTERNET FAXES TO A NETWORK ADDRESS (Inbound Routing Settings)

Received Internet faxes can be automatically forwarded to an e-mail address, file server address, desktop address, or network folder address. When this function is enabled, you can also have received Internet faxes forwarded without printing them.

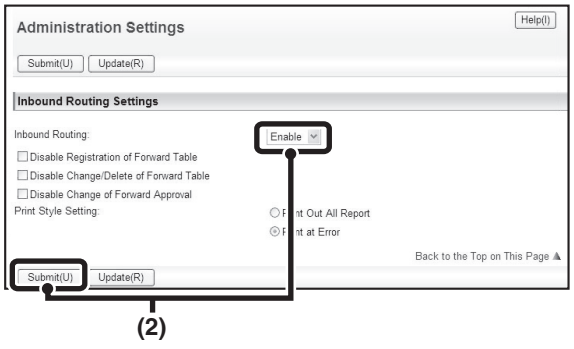


When faxes forwarded using this function are printed at the forwarding destination, the date and time of reception cannot be printed on the faxes. ("Receiving Date & Time Print" is disabled.)

CONFIGURING INBOUND ROUTING SETTINGS

All inbound routing settings are configured in the Web pages. For the procedure for accessing the Web pages, see the Quick Start Guide.
The following explanation assumes that the Web pages have been accessed with administrator rights.
To configure inbound routing settings, follow the steps below.

1



Enabling the inbound routing function.

(1) In the Web page menu, click [Application Settings], [Inbound Routing Settings], and then [Administration Settings].

(2) Select [Enable] in "Inbound Routing" and click the [Submit] button.

Users without administrator rights can be prohibited from storing, editing, and deleting forwarding tables in this screen, and from specifying which table is used. To do so, select the checkboxes below ☑.

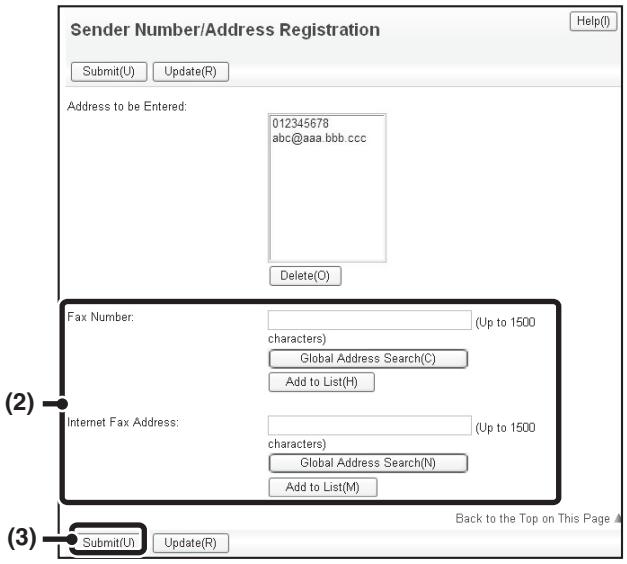
• Disable Registration of Forward Table • Disable Change/Delete of Forward Table • Disable Change of Forward Approval

When inbound routing is enabled, you can also specify whether or not you wish the machine to print the forwarded faxes. To have all received faxes printed before being forwarded, select "Print Out All Report" in "Print Style Setting". To have received faxes printed only when an error prevents forwarding, select "Print at Error".

After configuring the settings, be sure to click the [Submit] button.

Contents

2



Storing sender addresses.

If you wish to have only faxes from specified addresses forwarded, store the desired sender addresses. Sender addresses stored here can be selected from a list when you store a forwarding table.

(1) Click [Sender Number/Address Registration] in the [Inbound Routing Settings] menu in the Web page.

(2) Enter the sender address in "Internet Fax Address" or "Fax Number" as appropriate, and click the [Add to List] button.

The entered address will be added to the "Address to be Entered" list.

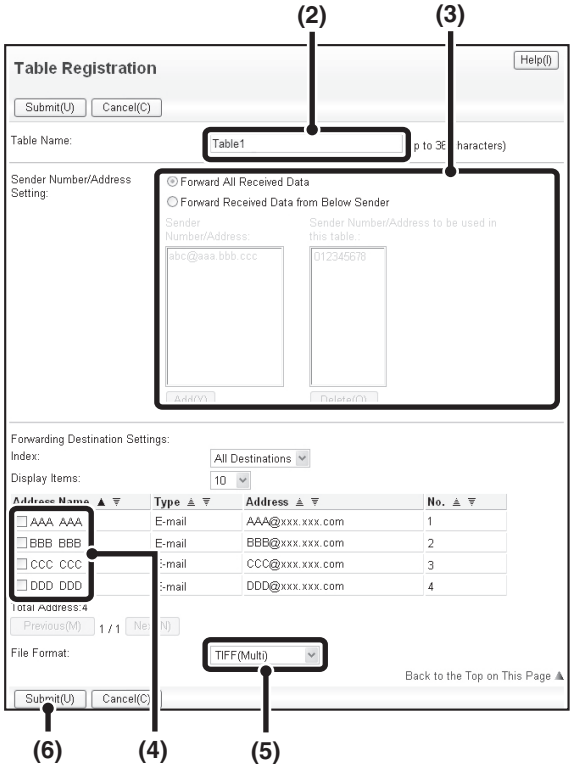
- Specify whether the address will be directly entered (maximum of 1500 characters) or selected from a global address book by clicking the [Global Address Search] button.
- To store multiple addresses, repeat this step.

(3) When you have finished adding addresses, click the [Submit] button.

- A maximum of 500 sender numbers/addresses can be stored.
- To delete an entered address, select the address in "Address to be Entered" and click the [Delete] button.

Contents

3



Store a forwarding table.

Follow the steps below to store a forwarding table that combines a specified sender and forwarding address.

(1) Click [Inbound Routing Settings] in the Web page menu and click the [Add] button.

(2) Enter a "Table Name".

(3) Select the sender whose faxes will be forwarded.

- To forward all received faxes, select [Forward All Received Data].
- To forward faxes received from a specific sender only, select [Forward Received Data from Below Sender], select the sender from the list, and then click the [Add] button.

(4) Select the forwarding address.

Forwarding addresses can be selected from the machine's address book. (Multiple addresses can be selected.) A maximum of 1000 forwarding addresses can be stored (a combined maximum of 100 file server, desktop, and network folder addresses can be stored).

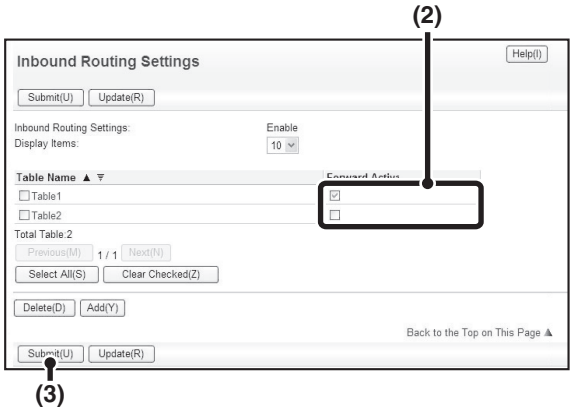
(5) Select the file format.

A file format can be set for each forwarding table.

(6) Click [Submit].

- When selecting senders from the "Sender Number/Address Setting" list, you can use the [Shift] key or the [Ctrl] key on your keyboard to select multiple senders.
- A maximum of 50 forwarding tables can be stored.
- If you wish to select a group of addresses for the forwarding destination, you can only select a group that contains e-mail addresses only.
- Images sent in TIFF format may not display correctly in some recipient environments. In this event, change the file format to PDF.

4



Specifying forwarding tables to be used.

To use the inbound routing function, enable the forwarding tables that you wish to use from among the stored tables.

(1) Click [Inbound Routing Settings] in the Web page menu.

(2) Select the "Forward Activated" checkbox ☑ of each forwarding table that you wish to use.

(3) Click [Submit].

To delete a forwarding table, click the checkbox next to the table name so that it is selected ☑ and click [Delete].

Contents

SCANNING FROM A COMPUTER (PC Scan Mode)

BASIC SCANNING PROCEDURE

You can install the scanner driver on your computer from the CD-ROM that accompanies the machine, and use a TWAIN* compliant application to scan an image using your computer.
Scanning from your computer is most useful for scanning a single original such as a photo, particularly when you want to adjust scan settings as you scan. By contrast, scanning at the machine is most useful for continuous scanning of multiple originals.

* An interface standard used for scanners and other image input devices. When the scanner driver is installed on your computer, you can use any TWAIN-compliant application to scan an image.

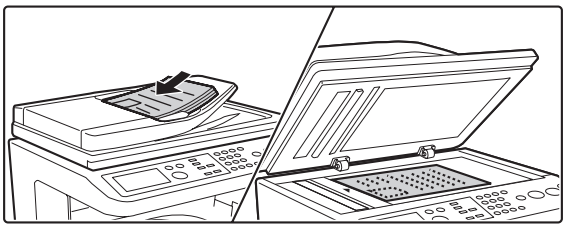
- Scanning in PC scan mode is only possible when the scanner driver has been installed from the "Software CD-ROM" using the integrated installer. For the procedures for installing the scanner driver and configuring settings, see the Software Setup Guide.
- This function cannot be used when it has been disabled using "Disable Scan Function" in the system settings (administrator).
- The procedures for selecting the scanner driver and starting scanning vary depending on the TWAIN-compliant application. For more information, see the manual for the application or Help.
- When a large image is scanned at high resolution, the amount of data will be very large and scanning will take a long time. Be sure to select appropriate scan settings for the original (text, photo, etc.).

As an example, the procedure for scanning from the "Sharpdesk" application that accompanies the machine is explained below.

[At the machine]

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Place the original.

Place the original face up in the document feeder tray, or face down on the document glass.
When the original is a different size than the size setting, set the original size.

☞ SPECIFYING THE ORIGINAL SCAN SIZE AND SEND SIZE (page 5-61)

2

Switch to PC Scan mode.

(1) Select the [Mode Switch] key.

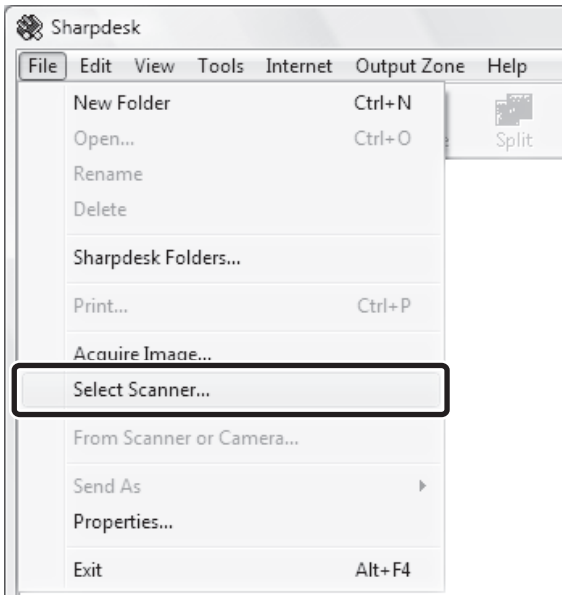
(2) Select the [PC Scan] key.

When PC scan mode is selected, only the [Exit] key displayed in the display can be used on the machine; no other keys can be used.

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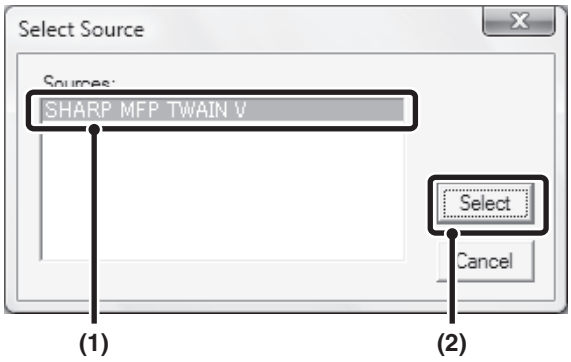
[At your computer]

3



Start the TWAIN-compliant application on your computer and select [Select Scanner] from the [File] menu.

4

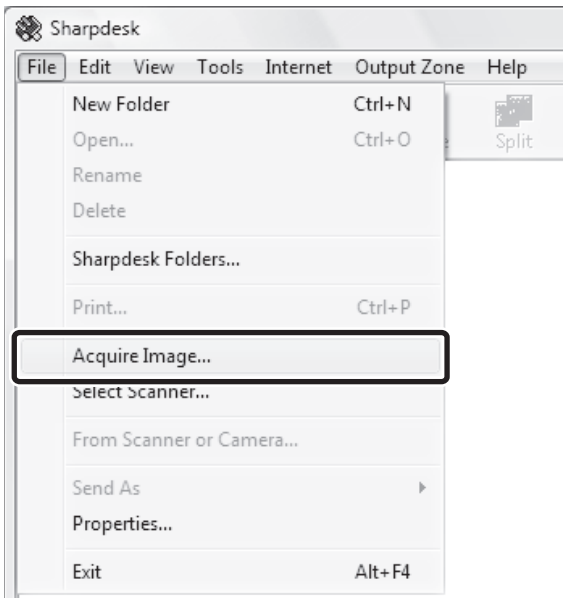


Select the scanner driver of the machine.

(1) Select [SHARP MFP TWAIN V].

(2) Click the [Select] button.

5

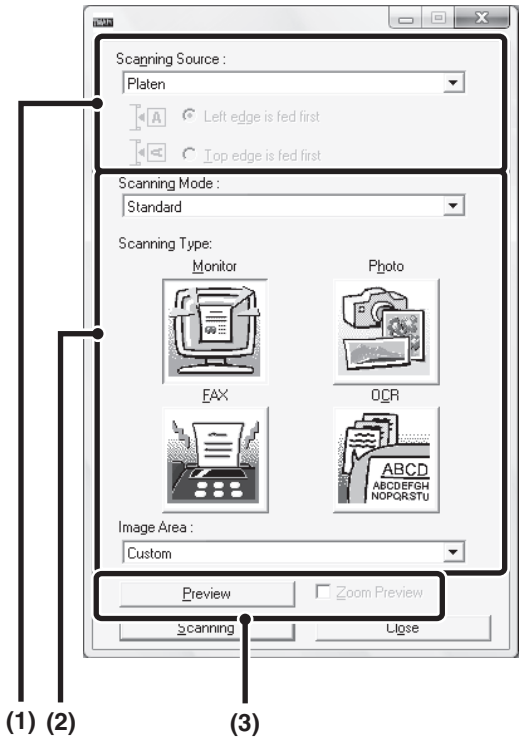


Select [Acquire Image] from the [File] menu.

The scanner driver opens.

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6



Preview the image.

(1) Select the location where the original is placed.

"Scanning Source" menu:

- If the original is a one-sided original and is placed in the document feeder tray, select [SPF(Simplex)].
- If the original is a 2-sided original and is placed in the document feeder tray, select [SPF(Duplex - Book)] or [SPF(Duplex - Tablet)] depending on whether the original is a book-style or tablet-style original. In addition, select [Left edge is fed first] or [Top edge is fed first] depending on the orientation of the original.

(2) Select scan settings.

"Scanning Mode" menu:

Switch between the "Standard" screen and the "Professional". In the "Standard" screen, select "Monitor", "Photo", "FAX" or "OCR" depending on the original type and your scanning purpose.

If you wish to change the initial settings of any of the four buttons or select the resolution or other advanced settings, change to the "Professional" screen.

"Image Area" menu:

Select the scan area. You can also set the scanning area in the preview window with your mouse.

(3) Click the [Preview] button.

The preview image will appear in the scanner driver.

If you are not satisfied with the preview image, repeat (2) and (3).

If the [Zoom Preview] checkbox is selected before the [Preview] button is clicked, the selected area will be enlarged in the preview window. If the checkmark is removed, the preview image will return to normal. Note that if SPF is selected in the "Scanning Source" menu, the [Zoom Preview] function cannot be used.

- **For further information on the scan settings, click the [?] button in the preview image screen of step 7 to open scanner driver Help.**
- If the [Preview] button is clicked when scanning from the document feeder tray, only one original page will be scanned for the preview image. If you wish to include that original in the scan, return it to the document feeder tray.

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7



Select scanning settings while viewing the image.

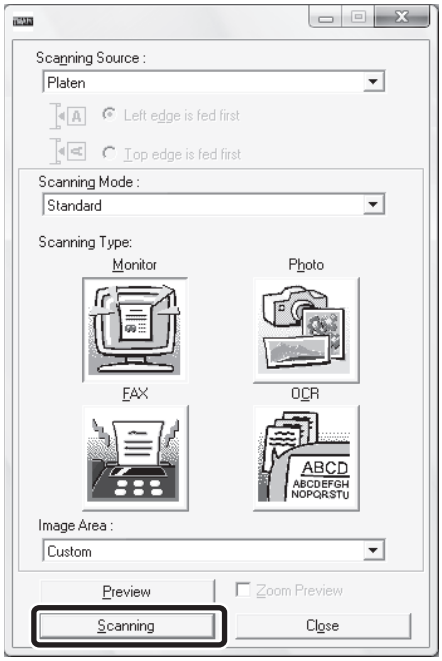
[Rotate] button:
Each time this button is clicked, the preview image rotates 90 degrees. This lets you change the orientation of the image without picking up and placing the original again. The image file will be created using the orientation that appears in the preview window.

[Image Size] button:
Click this button to specify the scan area by entering numerical values. Pixels, mm, or inches can be selected for the units of the numerical values. If a scanning area has already been specified, the entered numbers will change the area relative to the top left corner of the specified area.

button:
When a preview image is displayed and a scanning area is not specified, you can click the button to automatically set the scanning area to the entire preview image.

- **For further information on the scan settings, click the button to open scanner driver Help.**
- If the originals are placed in the document feeder tray, only the top page will be previewed. The top page will be delivered to the original exit tray. Be sure to return the previewed page to the document feeder tray before previewing again or scanning.

8



Click the [Scanning] button.

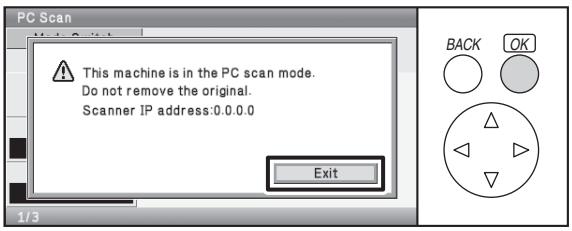
Scanning begins. The image appears in your application. Assign a file name to the scanned image and save it as appropriate in the software application you are using.

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[At the machine]

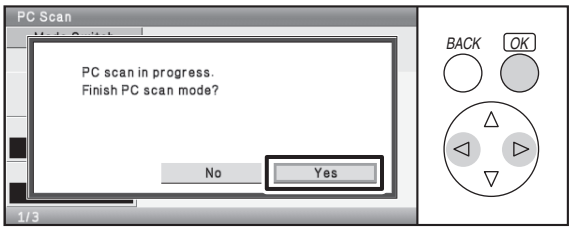
Keys in the display can be selected with the arrow keys and the [OK] key.

9



Select the [Exit] key in the display.

10



Select the [Yes] key.

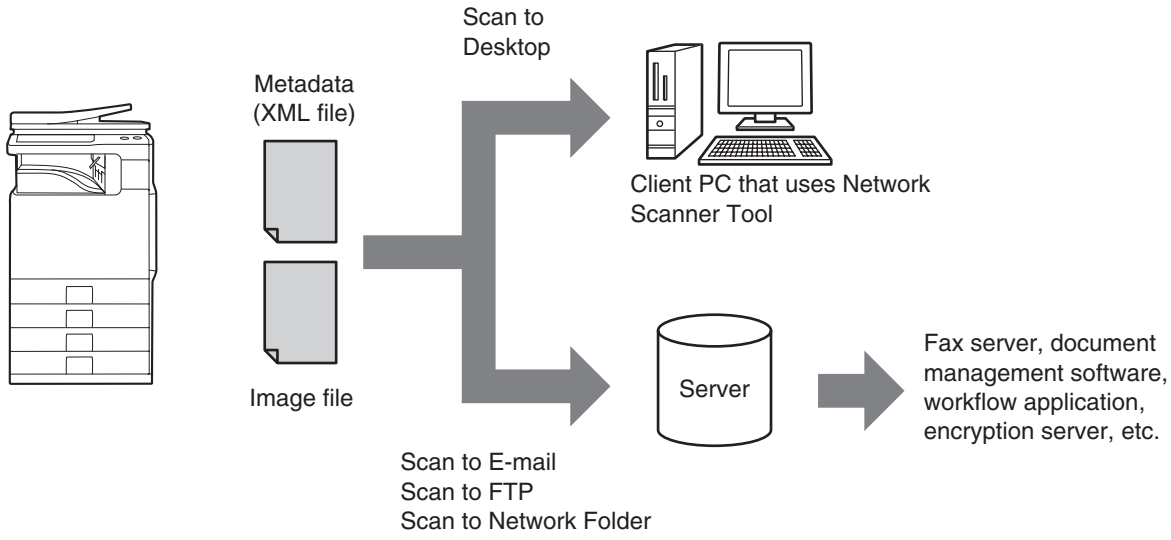
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METADATA DELIVERY

This section explains metadata delivery, which can be used when the application integration module kit is installed.

METADATA DELIVERY (Data Entry)

When the application integration module kit is installed and an image file is generated for a scan send transmission, metadata (data indicating the attributes of the image file and how it is to be processed) can be generated based on pre-stored information and transmitted as a separate file. The metadata file is created in XML format. By linking the metadata with applications such as document management software, a workflow application, or an encryption server, a sophisticated document solution environment can be built.



Using the application integration module kit, information on a generated image file can be entered at the display and transmitted along with the image as an XML file.

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PREPARATIONS FOR METADATA TRANSMISSION

SETTINGS REQUIRED IN THE WEB PAGES

All settings related to metadata are configured in the Web pages. (Administrator rights are required.)
To configure metadata settings, click [Application Settings] and then [Metadata Settings] in the Web page menu.
When configuring settings, be sure to enable metadata transmission.

Storing Metadata Sets

Store the items (the metadata set) that are written to the XML file that is generated during scanning. Up to 10 metadata items can be configured in a metadata set. A stored metadata set can be selected at the time of transmission.

Addresses specified in "Address Type Allowing Metadata Entry" when a metadata set is stored can be selected as transmission destinations at the time of transmission using one-touch keys, manual entry, and/or a global address book search. (Addresses for which metadata entry is not allowed cannot be specified as transmission destinations.)

METADATA TRANSMISSION FOR SCAN TO DESKTOP

When Network Scanner Tool is used in its factory default configuration, a file will be generated with a new file name on the computer. When Network Scanner Tool is used as a means of sending a metadata file to a third party software application, this setting must be disabled to allow cross referencing between the image file and XML file by means of the file name generated by the computer. (When setting the file name in [Send Settings], to ensure that a previously existing file on a computer is not overwritten by a transmitted file of the same name, be sure to configure the file name so that name duplication cannot occur; for example, by including a unique extension (the date, etc.) in the generated file name. If the file name setting is left blank, the machine will automatically generate a file name that is unique.)

- It is recommended that you use Network Scanner Tool to receive metadata. For more information, see the Network Scanner Tool User's Guide (PDF format) on the "Sharpdesk/Network Scanner Utilities" CD-ROM.
- For information on the licence agreement and how to use the CD-ROM that accompanies the application integration module, see the separate "Sharpdesk licence kit" manual.
- **Using third party software applications**
  Various types of third party software applications exist. Some applications can start automatically from Network Scanner Tool and some cannot. When the auto-run function of an application is enabled, Network Scanner Tool will start the application with the ".exe" command using the file name as a parameter. Normally an application is started twice, once for the image file and once for the XML file. For example, when Network Scanner Tool is set to start the application "APP.EXE", the following commands are applied when the two files "IMG.TIF" and "IMG.XML" are received.
  APP.EXE IMG.TIF
  APP.EXE IMG.XML

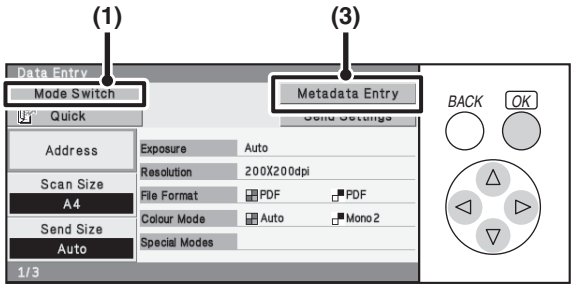
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TRANSMITTING METADATA

Follow the steps below to select a metadata set, enter each item, and perform metadata transmission.

Keys in the display can be selected with the arrow keys and the [OK] key.

1



Switch to data entry mode and display the metadata set screen.

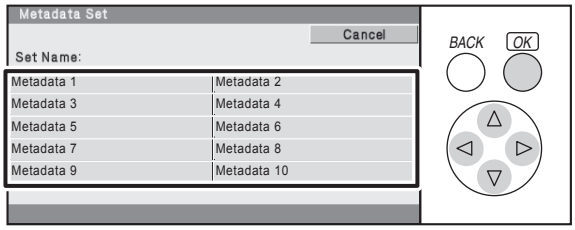
(1) Select the [Mode Switch] key.

(2) Select the [Data Entry] key.

(3) Select the [Metadata Entry] key.

- If no metadata sets have been stored, the [Data Entry] key cannot be selected. Store a metadata set in the Web pages and then perform the transmission procedure.
- If a specific metadata set has been specified as the default set, go to step 3.

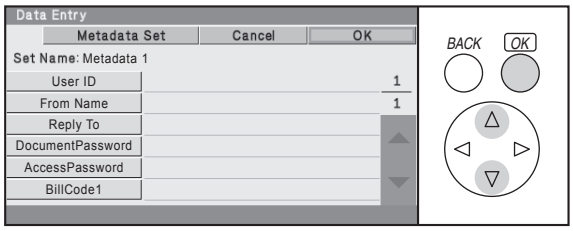
2



Select a metadata set.

Select the key of the metadata set that you wish to use.

3

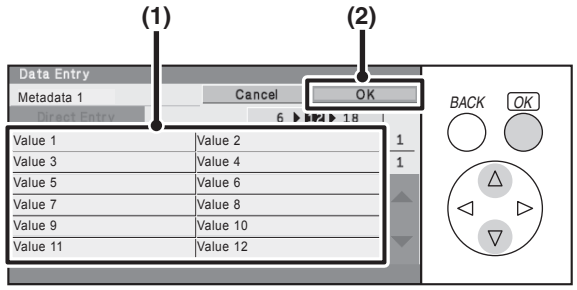


The keys of the items stored in the metadata set will appear. Select the item that you want to enter.

If you accidentally selected the wrong metadata set or wish to use a different metadata set when a default metadata set has been set, select the [Metadata Set] key. Select the [OK] key in the message screen that appears. You will return to the screen of step 1. Metadata items entered to that point will be cancelled.

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4



Enter the selected metadata item.

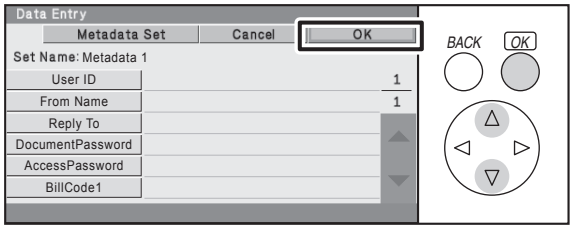
(1) Select the key of the value that you wish to enter.

- When the entry values of the metadata item are in the form of selections, the selections are shown as keys. When a value is editable, you can select the [Direct Entry] key to manually enter the value.
- If the metadata item requires the entry of text, a text entry screen will appear. Enter the required information.

(2) Select the [OK] key.

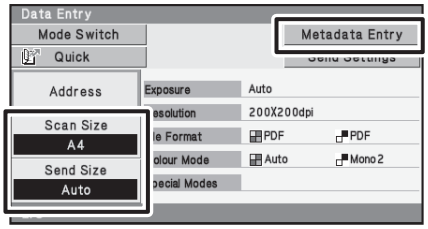
- To change the number of items shown at once in the screen, select the [Change the Number of Displayed Items] key. The number of items changes from 6 to 12 to 18 each time you press the [OK] key.
- For the procedure for entering text, see "ENTERING TEXT" (page 1-59) in "1. BEFORE USING THE MACHINE".

5



When you have finished entering all items, select the [OK] key.

6



Select image settings and any other settings, and perform the scan send procedure.

- The procedures for selecting settings and performing transmission are the same as in the other modes.
- To make changes to entered values, select the [Metadata Entry] key once again. The entry screen of the selected metadata set will appear.

- Transmission cannot be performed if the [Data Entry] tab is displayed and no metadata settings have been configured. To perform transmission without sending metadata, switch to a different mode and then perform transmission.
- Before configuring metadata settings, you can specify addresses in all modes to be used. After metadata settings have been configured, only addresses in modes that are allowed in the selected metadata set can be specified.
- When metadata settings have been configured or an address is specified in the [Data Entry] tab, it will not be possible to switch to another mode.

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METADATA FIELDS

The following three types of metadata are included in the XML file that is transmitted.

- Data automatically generated by the machine: These data are always included in the XML file and are automatically stored on your computer.
- Previously defined fields: These fields are automatically recognized by the machine and assigned to appropriate XML tags. These fields are selectable, and can only be included in the XML file if enabled in the Web pages.
- User defined fields: Custom fields can be added to the XML file. These fields are selectable and can be defined in the Web pages.

If a defined metadata field is one of the following fields, a message will appear informing you that the field cannot be entered. Enter appropriate information in the related items of the send settings.

Name entered in metadata field	Description	Where entered
fromName	Name of the user who sent the job. If the name is not entered as metadata, the sender name determined by the usual rules for determining the sender name will be applied as metadata.	[Reply-To] (Sender name of selected sender)
replyTo	E-mail address to which the transmission result will be sent.	[Reply-To] (E-mail address of selected sender)
documentSubject	Job name appearing in the e-mail "Subject" line, or job name on the fax cover sheet. When the user enters a [Subject] in the send settings screen in the display, the entered value is applied as metadata.	[Subject] (Blank until a value is set in the send settings screen.)
fileName	Enter the file name of the image to be sent.	[File Name] (Only when the [Allow Custom Filenames] checkbox is selected ☑ in the metadata settings screen in the Web pages.) (Blank until a value is set in the send settings screen.)

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CHAPTER 6
SYSTEM SETTINGS

This chapter explains the system settings, which are used to configure a variety of parameters to suit the aims and needs of your workplace. The current selections that have been made for the settings can be viewed or printed out.
To quickly check where a setting is located in the system settings menu, see "System Settings Menu (Operation Panel)" (page 6-118) or "System Settings Menu (Web Page)" (page 6-119).

List of system settings on the operation panel

See "System Settings (General) List" (page 6-7) or "System Settings (Administrator) List" (page 6-17).

List of system settings in the Web page

See "System Settings (General) List" (page 6-42) or "System Settings (Administrator) List" (page 6-56).

For the system settings for the fax function

To configure the settings using the machine, see "System Settings for Fax (General) List" (page 6-97) and "System Settings for Fax (Administrator) List" (page 6-99).
To configure the settings using the Web page, see "System Settings for Fax (General) List" (page 6-107) and "System Settings for Fax (Administrator) List" (page 6-110)

For the procedures for using the display, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".
For the procedures for using the Web page, see "USING THE WEB PAGE" (page 1-13) in "1. BEFORE USING THE MACHINE".

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FAX SYSTEM SETTINGS IN THE WEB PAGE

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SYSTEM SETTINGS

System Settings

The system settings are used to configure a variety of parameters to suit the aims and needs of your workplace. The system settings are also used to display or print out the current settings and status of the machine. The system settings allow you to make the machine easier to use.
The system settings consist of settings that are used by general users, and settings that can only be configured by an administrator of the machine. These two groups of settings are distinguished in this manual as follows.

System Settings (General)	System Settings (Administrator) *Login Required
System settings that can be configured by general users (including the administrator). For example, the following settings can be configured: • Date and time settings • Paper tray settings (paper size and paper type) • Settings related to the printer function • Displaying the number of pages printed, scanned, and faxed. For more information, see "SYSTEM SETTINGS (GENERAL) ON THE OPERATION PANEL" (page 6-7) and "SYSTEM SETTINGS (GENERAL) IN THE WEB PAGE" (page 6-42).	System settings that can be configured by the administrator. To configure these settings, login as an administrator is required. For example, the following settings can be configured: • Energy save settings • Settings related to the operation panel • Settings for peripheral devices installed on the machine. • Settings related to the copy function • Network connection settings • Transmission/reception settings for faxes and scanned images For more information, see "SYSTEM SETTINGS (ADMINISTRATOR) ON THE OPERATION PANEL" (page 6-17) and "SYSTEM SETTINGS (ADMINISTRATOR) IN THE WEB PAGE" (page 6-55).
Settings for general users	**Settings for administrators**

- **Administrator password**
  To maintain security, the administrator of the machine should promptly change the password after the machine is purchased. (For the factory default administrator password, see "TO THE ADMINISTRATOR OF THE MACHINE" in the Maintenance & Safety Guide.) The password is changed in "Security Settings" in the Web page.
  *To ensure a high level of security, change the password at regular intervals.
- The above groupings of "General" and "Administrator" are used as a convenient means of clarifying the functions of the settings. These groupings do not appear in the display.
- For fax settings, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97) and "FAX SYSTEM SETTINGS IN THE WEB PAGE" (page 6-107).

Contents

Configuring the System Settings

There are two ways to configure the system settings: using the machine's operation panel, and using the Web page that appears when the machine's Web server is accessed.
The Web page enables easy configuration of the settings from your computer via the network.
To configure the settings using the machine, see "Common Operation Methods" (page 6-5). To configure the settings using the Web page, see "Accessing the Web Server in the Machine" (page 6-6).
The settings are explained on the following pages of this manual:

System settings on the operation panel

- SYSTEM SETTINGS (GENERAL) ON THE OPERATION PANEL (page 6-7)
- SYSTEM SETTINGS (ADMINISTRATOR) ON THE OPERATION PANEL (page 6-17)
- FAX SYSTEM SETTINGS ON THE OPERATION PANEL (page 6-97)

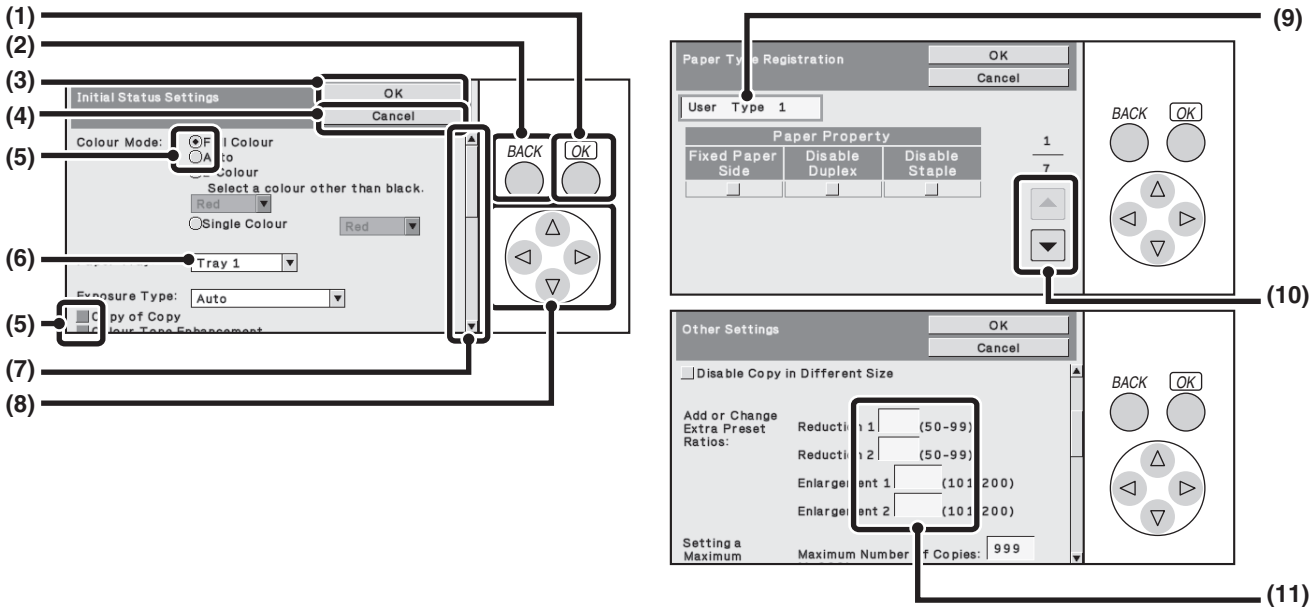
System settings in the Web page

- SYSTEM SETTINGS (GENERAL) IN THE WEB PAGE (page 6-42)
- SYSTEM SETTINGS (ADMINISTRATOR) IN THE WEB PAGE (page 6-55)
- FAX SYSTEM SETTINGS IN THE WEB PAGE (page 6-107)

Common Operation Methods

This section explains special operation methods that are common to all system settings.
Be sure to read this section, as the information is omitted in the explanations of some of the individual settings.
For the procedures for using the display, see "USING THE OPERATION PANEL" (page 1-9) in "1. BEFORE USING THE MACHINE".

Example: Initial Status Settings (Copy Settings) screen, Paper Type Registration (Paper Tray Settings) screen, and Other Settings (Copy Settings) screen



(1) [OK] key (Operation panel)

When the selection frame is moved to a setting key and this key is pressed, the current setting is stored or the setting screen for that setting key appears. When the selection frame is moved to a checkbox or radio button, the checkbox or radio button will switch between ☑ and ☐ each time this key is pressed.

(2) [Back] key

Returns you to the previous screen.

(3) [OK] key (Display)

Select this when you have finished configuring the settings in the displayed screen.

(4) [Cancel] key

This cancels a setting and returns you to the previous screen.

(5) Checkbox

This switches between ☑ and ☐ each time you select it. To enable the corresponding setting, select the checkbox so that a checkmark appears ☑. To disable the setting, clear the checkmark ☐.
Radio buttons (◉) are also used to select settings in this way. (However, radio buttons are used to select a single item out of several.)

(6) Select box

Select ▼ to display a list of the items that can be selected. Select an item in the list to select it.

(7) Scroll bar

This bar shows the position of the current display in the whole screen.
You can move the screen up and down with the ▼ ▲ keys.

(8) Arrow keys

Press to move the selection frame used to select settings and items in the display.

(9) Text box

Select this box to open a text entry screen. When you have finished entering text in the screen, the text will appear in the text box.

(10) ▼, ▲ keys

When settings extend over multiple screens, select the ▼ key or the ▲ key to switch through the screens.

(11) Text box (numerical)

Select this box to enter a number. Numbers are entered with the numeric keys.
If you make a mistake, press the [CLEAR] key (Ⓒ) to clear the incorrect number.

Contents

Accessing the Web Server in the Machine

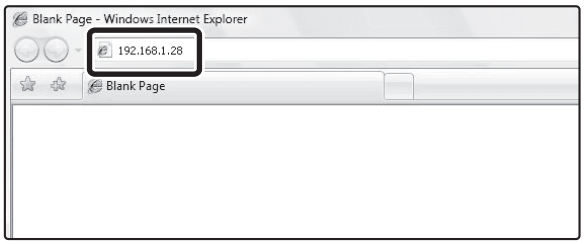
When the machine is connected to a network, the machine's built-in Web server can be accessed from a Web browser on your computer.
For the procedures for using the display, see "USING THE WEB PAGE" (page 1-13) in "1. BEFORE USING THE MACHINE".

Opening the Web pages

This accesses the Web server in the machine and displays the Web page. The Web page can be used to configure the system settings.

1

(Example: When the machine's IP address is 192.168.1.28)

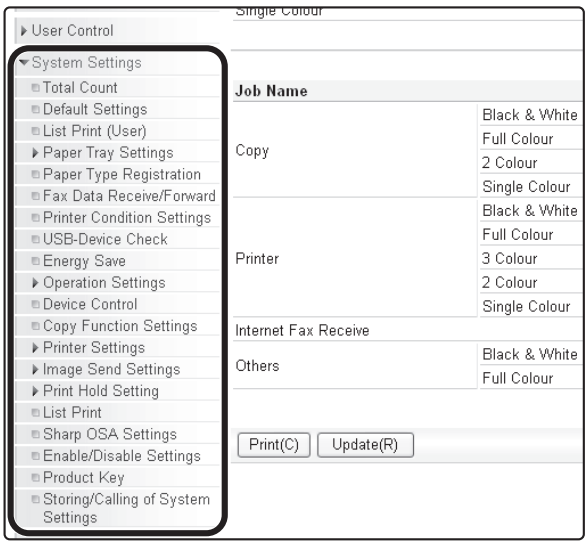


Start your Web browser and enter the IP address of the machine.

You must use a computer that is connected to the same network as the machine.
After the IP address is entered, the Web page will appear.

If user authentication is enabled, a login screen will appear after the IP address is entered. Enter your user name and password.

2



Click [System Settings] in the menu bar of the Web page and click the item that you wish to set.

When you have finished configuring the settings, click the [Submit] button.
To update the machine's setting information, click the [Update] button.

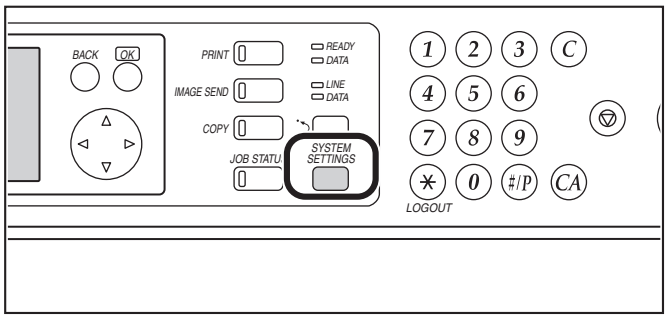
When you click an item, you may be prompted to enter your user name and password (or other information) for user authentication. In that case, enter your user information as appropriate.

Recommended Web browsers
- Internet Explorer: 6.0 or higher (Windows)
- Netscape Navigator: 9 (Windows)
- Firefox: 2.0 or higher (Windows)
- Safari: 1.5 or higher (Macintosh)

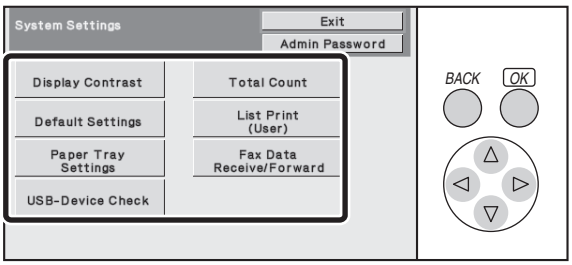
SYSTEM SETTINGS (GENERAL) ON THE OPERATION PANEL

This section explains system settings that can be configured on the operation panel by general users.

Accessing the System Settings (General)



Make sure that the machine is in the standby state and then press the [SYSTEM SETTINGS] key on the operation panel.
When the [SYSTEM SETTINGS] key is pressed, the following menu screen appears on the display.



Use the arrow keys to select the desired item, press the [OK] key, and configure the settings.
For detailed explanations of each of the settings, see the following pages of this chapter.

- To quit the system settings, select the [Exit] key in the top right corner of the screen.
- For the procedure to follow when user authentication is enabled, see "USER AUTHENTICATION" (page 1-16) in "1. BEFORE USING THE MACHINE".

System Settings (General) List

When the system settings are accessed with general rights, the following items appear. For items that can only be accessed with administrator rights, see "System Settings (Administrator) List" (page 6-20).

- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.
- For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97).

Display Contrast

Item	Factory default setting	Page
■ Display Contrast		6-10

Total Count

Item	Factory default setting	Page
■ Total Count		6-10
● Job Count	–	6-10
● Device Count	–	6-10

Default Settings

Item	Factory default setting	Page
■ Default Settings		6-11
● Clock Adjust		
▶ Clock Adjust		
◆ Specify Time Zone	–	
◆ Date & Time Settings	–	
◆ Synchronize with Internet Time Server	Disable	
▶ Daylight Saving Time Setting	Varies depending on country and region	6-11
◆ Select Setting Type	Varies depending on country and region	
◆ Start Time	Varies depending on country and region	
◆ Completing Time	Varies depending on country and region	
◆ Adjustment Time	Varies depending on country and region	
▶ Date Format	Varies depending on country and region	
● Keyboard Select	Varies depending on country and region	6-12

List Print (User)

Item	Factory default setting	Page
■ List Print (User)		6-12
● All Custom Setting List	–	
● Printer Test Page	–	
● Sending Address List	–	

Paper Tray Settings

Item	Factory default setting	Page
■ Paper Tray Settings		6-13
● Tray Settings		6-13
▶ Tray 1	Plain, Auto-AB (Auto-Inch)	
▶ Tray 2*		
▶ Tray 3*		
▶ Tray 4*		
▶ Bypass		
◆ Select Similar Sizes for Auto Detection	Auto-AB: 216 mm x 330 mm (8-1/2" x 13") Auto-Inch: 8-1/2" x 14"	
● Paper Type Registration	–	6-15
● Auto Tray Switching	Enabled	6-15
● Custom Size Registration (Bypass)	Custom 1: X=297 mm (11"), Y=210 mm (8-1/2") Custom 2: X=297 mm (11"), Y=210 mm (8-1/2") Custom 3: X=297 mm (11"), Y=210 mm (8-1/2")	6-15

* When a 500-sheet paper feed unit is installed.

Fax Data Receive/Forward

Item	Factory default setting	Page
■ Fax Data Receive/Forward		6-16
● I-Fax Settings*		6-16
▶ Reception Start	–	
▶ Manual Reception Key in Initial Screen	Enabled	
▶ Forward Received Data	–	

* When the Internet fax expansion kit is installed.

USB-Device Check

Item	Factory default setting	Page
■ USB-Device Check	–	6-16

Display Contrast

Use this to set the contrast of the machine's display. Select the [Display Contrast] key.
In the screen that appears, select the [Lighter] key or the [Darker] key to adjust the contrast.

Total Count

This function shows the page count in each mode. Select the [Total Count] key.

Job Count

This displays or prints out the counts of all jobs.

- Each sheet of paper used for automatic two-sided copying is counted as two pages.
- Pages printed directly from the machine such as list prints are included in the "Other Prints" count.
- The items displayed (or printed) will vary depending on the machine specifications and peripheral devices installed.

Device Count

This is used to display or print the counts of the peripheral devices installed on the machine.

- **Document feeder**
  Each sheet is counted as two pages when two-sided scanning is performed.
- The items displayed (or printed) will vary depending on the machine specifications and peripheral devices installed.

Default Settings

The default settings for operation of the machine can be configured. Select the [Default Settings] key and select the settings.

Clock Adjust

Use this to set the date and time in the machine's built-in clock.
Set the time.

Item	Settings
Current Setting	The current time set in the machine appears.
Specify Time Zone	If your region is ahead of GMT (Greenwich Mean Time), select [+]. If your region is behind GMT, select [-]. Next, specify the time difference between your region and GMT in hours and minutes.
Date&Time Settings	Select and set the year, month, day, hour, and minute.
Synchronize with Internet Time Server	This can be used when the machine is connected to the Internet. The machine's time is automatically adjusted to the time of an Internet time server.

Daylight Saving Time Setting

Enable daylight saving time.

Item	Settings
Daylight Saving Time Setting	Select whether or not the Daylight Saving Time Setting is enabled. If disabled, the following settings will not be possible.
Select Setting Type	Specify whether the starting and ending day of daylight saving time are to be set using the day of the week or the date.
Start Time	Set the starting time of daylight saving time. Set the starting month. If you selected "Day of the Week" in "Select Setting Type", set the starting week of daylight saving time and then the starting day. If you selected "Date" in "Select Setting Type", set the starting date. Set the hour and minute and the UTC (Coordinated Universal Time) setting.
Completing Time	Set the ending time of daylight saving time in the same way as you set the starting time.
Adjustment Time	Set the time that adjustment will take place when daylight saving time begins.

When this function is used, the time changes at the beginning and end of daylight saving time as indicated in the table below.

Area	Standard time → Daylight saving time	Daylight saving time → Standard time
Europe*	Last Sunday in March, 1:00 to 2:00 AM	Last Sunday in October, 1:00 to 0:00 AM
Australia, New Zealand	Last Sunday in October, 2:00 to 3:00 AM	Last Sunday in March 3:00 to 2:00 AM
Other countries	Select the [Daylight Saving Time Setting] checkbox so that a checkmark ☑ appears. The clock setting is configured to normal time plus one hour. When the ☑ is selected, clock returns to normal time.	

* In some countries, the starting and ending times of daylight saving time may be different than the times set in the machine.

Date Format

The format used to print the date on lists and other output can be changed.

Item	Settings
Current Setting	The current time appears in the format set in the date format settings.
Format	Set the order of display of the year, month, and day (YYYY/MM/DD).
Separator	Select one of three symbols or a blank space for the separator used in the date.
Day-Name Position	Select whether the day name appears before or after the date.
Time Display	Select 12-hour format or 24-hour format for the time. 12-Hour Display: 12:00AM to 11:59AM/12:00 to 11:59PM 24-Hour Display: 00:00 to 23:59

If "Disabling of Clock Adjustment" (page 6-69) has been enabled in the system settings (administrator) in the Web page menu, the date and time cannot be set.

Keyboard Select

The layout of the keyboard that appears in text entry screens can be changed.
The keyboard layouts that can be selected are shown below.

English (US)	English (UK)	Japanese	French	German	Swedish
Norwegian	Finnish	Danish	Russian	Greek	Turkish

List Print (User)

Lists showing the settings and information stored in the machine can be printed. Select the [List Print (User)] key and select the settings.

List name	Description
All Custom Setting List	This list shows the hardware status, software status, printer condition settings, paper tray settings, and total counts.
Printer Test Page	This is used to print the PCL Symbol Set List, various font lists, and the NIC page (network interface settings, etc.). • PCL Symbol Set List • PCL Internal Font List • PCL Extended Font List • PS Font List • PS Extended Font List • NIC Page
Sending Address List	Lists can be printed of various addresses stored in the machine. • Individual List • Group List • Program List • Memory Box List • All Sending Address List

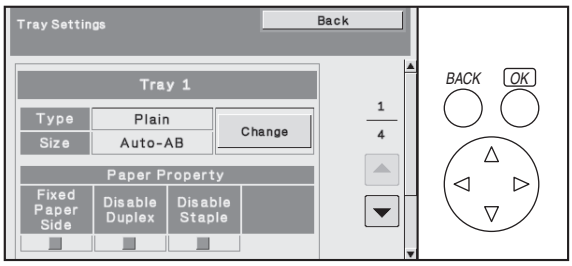
- The items that appear will vary depending on the functions that have been added to the machine.
- If "Prohibit Test Page Printing" (page 6-77) has been enabled in the system settings (administrator) in the Web page menu, it will not be possible to print a test page.

Paper Tray Settings

Paper tray and paper type settings are explained in this section. Select the [Paper Tray Settings] key to configure the settings.

Tray Settings

These settings specify the paper type, paper size, and functions allowed for each paper tray.
When the [Tray Settings] key is selected, a list appears showing the trays and the current settings.



Settings of each tray

Select the [Change] key in the above screen to change the settings.
The following settings can be configured.

Item	Description
Type	Select the type of paper that is loaded in the tray. The paper types that can be selected vary by paper tray. For more information, see "Tray Settings" (page 6-14). To store a new paper type, see "Paper Type Registration" (page 6-15).
Size	Select the paper size from the list. The paper sizes that can be selected vary by tray. The sizes that can be selected may also be restricted by the paper type selected above. For more information, see "Tray Settings" (page 6-14). If the desired size does not appear in the list, select [Custom Size] and directly enter the size (only for the bypass tray). For more information, see "Tray Settings" (page 6-14).
Feeding Approved Job	Select the modes that can be used. If there is a function that you do not wish to be used with the selected tray, disable the function. When the "Type" is other than plain paper, recycled paper, coloured paper, or a user type, [Fax] and [Internet Fax] cannot be selected.

- If the paper size specified here is different from the size of paper that is loaded in a tray, a problem or misfeed may result when printing.
  To change the paper size in a tray, see "1. BEFORE USING THE MACHINE".
- Paper properties such as "Fixed Paper Side" are automatically set when the paper type is selected. The paper tray properties cannot be changed in this screen.
- If "Disabling of Tray Settings" (page 6-72) has been enabled in the system settings (administrator) in the Web page menu, the tray settings (except for the bypass tray) cannot be configured.

Tray Settings

Paper Tray	Paper Type	Size
Tray 1	Plain, Pre-Printed, Recycled, Letter Head, Pre-Punched, Colour, User Type	Auto-AB (A4, A5, B5, 216 mm x330 mm (8-1/2" x 13")), Auto-Inch (8-1/2" x 14", 8-1/2" x 11", 7-1/4" x 10-1/2", 5-1/2" x 8-1/2"), 216 mm x 343 mm (8-1/2" x 13-1/2"), 8-1/2" x 13-2/5" (216 mm x 340 mm), 16K
Tray 2*1		
Tray 3*1		Auto-AB (A4, B5, 216 mm x 330 mm(8-1/2" x 13")), Auto-Inch (8-1/2" x 14", 8-1/2" x 11", 7-1/4" x 10-1/2"), 216 mm x 343 mm (8-1/2" x 13-1/2"), 8-1/2" x 13-2/5" (216 mm x 340 mm), 16K
Tray 4*1		
Bypass	In addition to the paper types of trays 1 to 4, Heavy Paper*2, Thin Paper, Glossy Paper	Auto-AB (A4, A5, B5, 216 mm x 330 mm (8-1/2" x 13")*3, 216 mm x 340 mm (8-1/2" x 13-2/5")*3, 216 mm x 343 mm (8-1/2" x 13-1/2")*3), Auto-Inch (8-1/2" x 14"*3, 8-1/2" x 13-2/5" (216 mm x 340 mm)*3, 8-1/2" x 11", 7-1/4" x 10-1/2", 5-1/2" x 8-1/2"), Size Input-AB (X=140 mm to 356 mm, Y=100 mm to 216 mm), Size Input-Inch (X=5-1/2" to 14", Y=5-1/2" to 8-1/2"), 16K, Custom 1, Custom 2, Custom 3
	Labels	Auto-AB (A4, B5), Auto-Inch (8-1/2" x 11")
	Transparency	Auto-AB (A4), Auto-Inch (8-1/2" x 11")
	Envelope	Com-10, Monarch, DL, C5

*1 When a 500-sheet paper feed unit is installed.
*2 Heavy Paper : 106 g/m^2 to 209 g/m^2 (28 lbs to 56 lbs) heavy paper
*3 The size that is automatically detected is set in "Select Similar Sizes for Auto Detection" in the bypass tray settings screen (see below).

Select Similar Sizes for Auto Detection

"Select Similar Sizes for Auto Detection" in the bypass tray settings screen is used to select the paper size that is automatically detected from similar sizes when automatic paper size detection takes place.
Select one of two sizes when "Auto-Inch" is set. Select one of three sizes when "Auto-AB" is set.
When paper that is the same size as one of the paper sizes in the settings is placed in the bypass tray, the size that is selected in the settings will be automatically detected.

Auto-AB	216 mm x 330 mm (8-1/2" x 13"), 216 mm x 340 mm (8-1/2" x 13-2/5"), 216 mm x 343 mm (8-1/2" x 13-1/2")
Auto-Inch	8-1/2" x 14", 8-1/2" x 13-2/5" (216 mm x 340 mm)

Paper Type Registration

Store a paper type when the desired paper type does not appear as a selection or when you wish to create a new set of paper properties.
Up to 7 paper types can be stored.

Item	Description
Type Name	Store any name. The factory default names are "User Type 1" - "User Type 7".
Fixed Paper Side	Enable this setting when paper with a front and reverse side is used.
Disable Duplex	Enable this setting when paper is loaded that cannot be used for two-sided printing.
Disable Staple	Enable this setting when paper is used that cannot be stapled.

The settings that can be selected vary depending on the peripheral devices installed.

Auto Tray Switching

When a tray runs out of paper during printing, this determines whether or not another tray with the same size and type of paper is automatically selected and printing continues.

Custom Size Registration (Bypass)

If you frequently use a special non-standard paper size in the bypass tray, you can store that paper size.
Storing the paper size saves you the trouble of setting the size each time you need to use it.
Up to three paper sizes can be stored.
Select the key ([Custom 1] to [Custom 3]) in which you wish to store or change a paper size.
Select whether you wish to enter the size in mm ("Size Input-AB") or inches ("Size Input-Inch"), and then set the X and Y dimensions of the paper.

"Size Input-AB"
The X dimension can be set to a value from 140 mm to 356 mm. The factory default setting is 297 mm.
The Y dimension can be set to a value from 100 mm to 216 mm. The factory default setting is 210 mm.
"Size Input-Inch"
The X dimension can be set to a value from 5-1/2" to 14". The factory default setting is 11".
The Y dimension can be set to a value from 5-1/2" to 8-1/2". The factory default setting is 8-1/2".

Fax Data Receive/Forward

This section explains settings for reception and forwarding. Select the [Fax Data Receive/Forward] key and configure the settings.

For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97).

I-Fax Settings

These settings can be configured when the Internet fax expansion kit is installed.

Reception Start

Select this key to immediately connect to your mail server (POP3 server) and check for received Internet faxes. If you have received Internet faxes, the faxes will be retrieved and printed.

To use this function, POP3 server settings must be configured. Configure these settings in the screen that appears when [Application Settings] - [Internet Fax Settings] is selected in the Web page menu.

Manual Reception Key in Initial Screen

This displays the [I-Fax Manual Reception] key in the base screen of Internet fax mode.

Forward Received Data

When the machine cannot print because it is out of paper or out of toner, received faxes can be forwarded to another Internet fax machine.

- To store a forwarding address, see "Set Address for Data Forwarding" (page 6-87) in the system settings (administrator) in the Web page menu.
- If forwarding was not successful because the transmission was cancelled or a communication error occurred, the faxes that were to be forwarded will return to the print queue on the machine.
- If the initial pages of a fax were successfully printed, only those pages that were not printed will be forwarded.
- Forwarding is not possible if no faxes were received or a forwarding address is not programmed.
- If "Hold Setting for Received Data Print" (page 6-35) is enabled, you will be prompted to enter a password. Enter the correct password with the numeric keys.

To cancel forwarding...
Press the [JOB STATUS] key, and then cancel the forwarding job in the same way as a transmission job.

USB-Device Check

This lets you check the connection when a USB device is connected to the machine. Select the [USB-Device Check] key to check the connection.

The status of a USB device that is not compatible with the machine will not appear.

SYSTEM SETTINGS (ADMINISTRATOR) ON THE OPERATION PANEL

This section explains the system settings that are configured by the administrator of the machine.

Accessing the System Settings (Administrator)

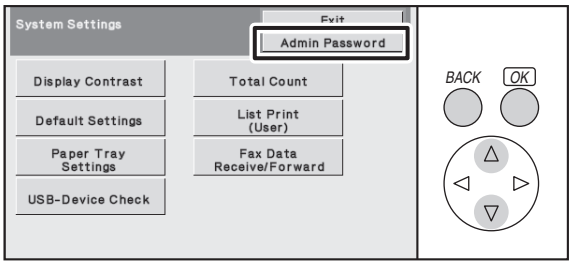
To access the system settings (administrator), the administrator must log in as explained below.

When User Authentication is not Enabled

When "User Authentication" (Web page only) is not enabled, follow the procedure below to log in.

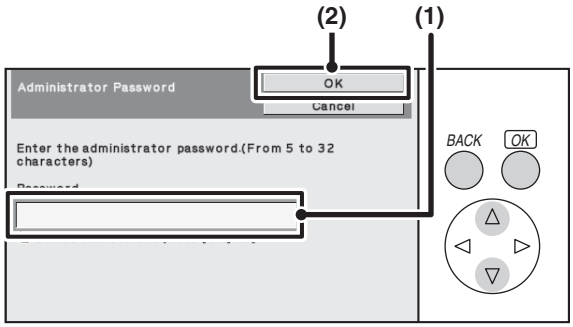
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Admin Password] key.

2



Log in.

(1) Select the [Password] text box and enter the administrator password.

Enter the administrator password in the administrator password entry screen.

(2) Select the [OK] key.

This completes the administrator login procedure. The system settings (administrator) can now be used.

This completes the administrator login procedure. The system settings (administrator) can now be used.

- User authentication is initially disabled (factory default setting).
- **To logout...**
  Press the [LOGOUT] ( ) key. (Except when entering a fax number.)
  (If Auto Clear activates, logout will automatically take place.)

Contents

When User Authentication is Enabled

When "User Authentication" (Web page only) is enabled, follow the procedure below to log in.

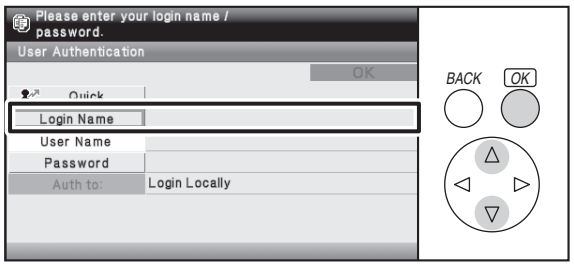
When auto login is enabled, the login screen will not appear.

When user authentication is by login name and password (and e-mail address)

Administrator login is performed in the user selection screen. For more information on the login procedure when user authentication is enabled, see "USER AUTHENTICATION" (page 1-16) in "1. BEFORE USING THE MACHINE".

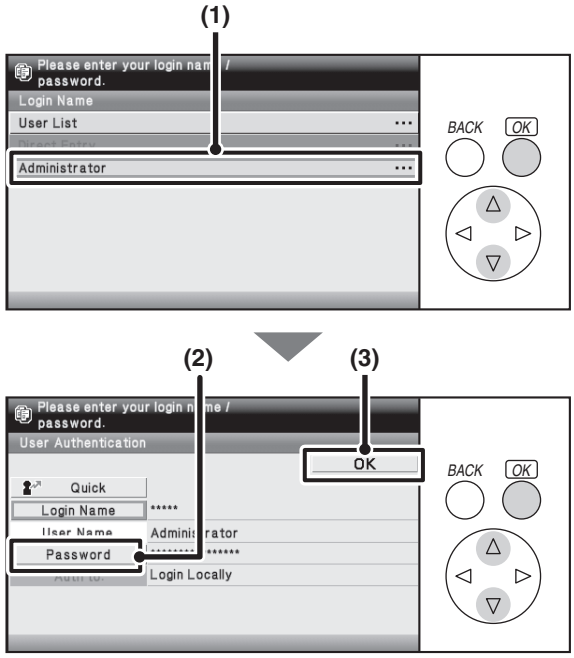
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Login Name] key.

2



Log in.

(1) Select the [Administrator] key.

(2) Select the [Password] key.

Enter the administrator password in the administrator password entry screen.

(3) Select the [OK] key.

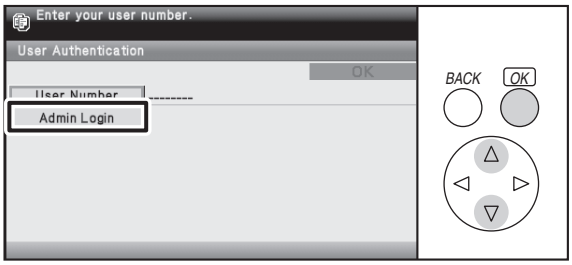
This completes the administrator login procedure. The system settings (administrator) can now be used.

- If login name / password / e-mail address is selected for the authentication method, the [E-mail Address] key will appear below the "User Name".
- For the factory default administrator password, see "TO THE ADMINISTRATOR OF THE MACHINE" in the Maintenance & Safety Guide.
- This completes the administrator login procedure. The system settings (administrator) can now be used.

Login by user number

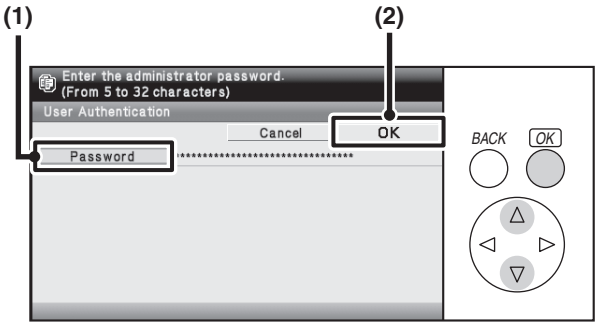
Keys in the display can be selected with the arrow keys and the [OK] key.

1



Select the [Admin Login] key.

2



Log in.

(1) Select the [Password] key.

Enter the administrator password in the administrator password entry screen.

(2) Select the [OK] key.

This completes the administrator login procedure. The system settings (administrator) can now be used.

- In addition to login by selecting the [Admin Login] key, the system settings (administrator) can also be accessed when login is performed by selecting a user with administrator rights from the user list or by entering a user number with administrator rights. For more information on login procedures when user authentication is enabled, see "USER AUTHENTICATION" (page 1-16) in "1. BEFORE USING THE MACHINE".
- **To logout...**
  Press the [LOGOUT] ( ) key. (Except when entering a fax number.)
  (If Auto Clear activates, logout will automatically take place.)

System Settings (Administrator) List

The system settings that appear following administrator login are shown below. The default setting for each item is also shown.

- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.
- For information on the general settings, see "System Settings (General) List" (page 6-8).
- For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97).

Energy save

Item	Factory default setting	Page
■ **Energy Save**		6-26
● Toner Save Mode		6-26
▶ Print	Disabled	
▶ Copy*	Disabled	
● Auto Power Shut-Off	Enabled	6-26
● Auto Power Shut-Off Timer	45 min.	6-26
● Preheat Mode Setting	10 min.	6-26

* This function is not available in some countries and regions.

Operation Settings

Item	Factory default setting	Page
■ **Operation Settings**		6-27
● Other Settings		6-27
▶ Keys Touch Sound	Middle	6-27
● MFP Display Pattern Setting	Pattern 1	6-27

Device Control

Item	Factory default setting	Page
■ **Device Control**		6-27
● Other Settings		6-27
▶ Registration Adjustment	–	6-27
▶ Optimization of a Hard Disk	–	6-27

Copy Function Settings

Item	Factory default setting	Page
■ Copy Function Settings		6-28
● Initial Status Settings		6-28
▶ Colour Mode	Full Colour	
▶ Paper Tray	Tray 1	
▶ Exposure Type	Auto	
▶ Copy Ratio	100%	
▶ 2-Sided Copy	1-Side to 1-Side	
▶ Output	Auto	
● Other Settings		6-29
▶ Copy Exposure Adjustment		6-29
◆ Colour	5	
◆ Black & White	5	
▶ Add or Change Extra Preset Ratios	–	6-29
▶ Setting a Maximum Number of Copies	999	6-29
▶ Initial Margin Shift Setting		6-29
◆ Side 1	10 mm (1/2")	
◆ Side 2	10 mm (1/2")	
▶ Erase Width Adjustment		6-29
◆ Edge Clearance Width	10 mm (1/2")	
▶ Card Shot Settings		6-29
◆ Original Size	X: 86 mm (3-3/8"), Y: 54 mm (2-1/8")	
◆ Fit to Page	Disabled	
▶ Disabling Deletion of Job Programs	Disabled	6-29
▶ Disabling of Bypass-Tray in Duplex Copy	Disabled	6-29
▶ Disabling of Auto Paper Selection	Disabled	6-29
▶ Auto Selection of Paper Tray that was Last Loaded	Disabled	6-29
▶ Colour 600dpi x 600dpi Scanning Mode for Document Feeder	Enabled	6-30
▶ Colour Quick Scan from Document Glass	Disabled	6-30
▶ B/W 600dpi x 600dpi Scanning Mode for Document Feeder	Enabled	6-30
▶ B/W Quick Scan from Document Glass	Disabled	6-30
● Colour Adjustments		6-31
▶ Initial Colour Balance Setting	Factory default state	6-31
▶ Auto Colour Calibration	–	6-31

Network Settings

Item	Factory default setting	Page
■ Network Settings		6-32
● IPv4 Settings	DHCP	6-32
● IPv6 Settings	Disabled	6-32
● Enable TCP/IP	Enabled	6-32
● Enable NetWare	Enabled	6-32
● Enable EtherTalk	Enabled	6-32
● Enable NetBEUI	Enabled	6-32
● Reset the NIC	–	6-32
● Ping Command	–	6-32

Printer Settings

Item	Factory default setting	Page
■ Printer Settings		6-33
● Auto Colour Calibration	–	6-33

Image Send Settings

Item	Factory default setting	Page
■ Image Send Settings		6-34
● Operation Settings		6-34
▶ Other Settings		6-34
◆ Default Display Settings	Scan (fax when fax is installed)	6-34
• Hold settings for a while after scanning has been completed	Disabled	
• Switch Automatically to Copy Mode Screen	Varies depending on country and region	
◆ Address Book Default Selection	Tab Switch: ABC, Address Type: All	6-34
◆ Initial Resolution Setting		6-34
• Scan	Apply the Resolution Set when Stored: Disabled 200 X 200 dpi	
• Internet Fax*1	Apply the Resolution Set when Stored: Disabled 200 X 100 dpi	
• Fax*2	Apply the Resolution Set when Stored: Disabled Standard	

Item	Factory default setting	Page
◆ Default Exposure Settings	Auto	6-34
• Original Image Type	Text	
• Moiré Reduction	Disabled	
◆ Must Input Next Address Key at Broadcast Setting	Disabled	6-35
◆ Scan Complete Sound Setting	Middle	6-35
◆ The Number of File Name/Subject/Body Keys Displayed Setting	12	6-35
◆ The Number of Direct Address Keys Displayed Setting	10	6-35
◆ Disable Switching of Display Order	Disabled	6-35
◆ Hold Setting for Received Data Print*3	Disabled	6-35
◆ Erase Width Adjustment		6-35
• Edge Clearance Width	10 mm (1/2")	
▶ Own Name and Destination Set		6-36
◆ Sender Data Registration		
• Sender Name	–	
• Sender Fax Number*2	–	
• I-Fax Own Address*1	–	
◆ Registration of Own Name Select	–	6-36

*1 When the Internet fax expansion kit is installed.
*2 When the facsimile expansion kit is installed.
*3 When the Internet fax expansion kit or facsimile expansion kit is installed.

List Print (Administrator)

Item	Factory default setting	Page
■ **List Print (Administrator)**		6-37
● Image Sending Activity Report	–	6-37
● Data Receive/Forward List	–	6-37
● User Information Print	–	6-37

Security Settings

Item	Factory default setting	Page
■ **Security Settings**		6-38
● SSL Settings		6-38
▶ Server Port		
◆ HTTPS	Enabled	
◆ IPP-SSL	Disabled	
◆ Redirect HTTP to HTTPS in Device Web Page Access	Disabled	
▶ Client Port		
◆ HTTPS	Enabled	
◆ FTPS	Enabled	
◆ SMTP-SSL	Enabled	
◆ POP3-SSL	Enabled	
◆ LDAP-SSL	Enabled	
◆ Level of Encryption	Low	
● IPsec Settings	Disabled	6-38
● IEEE802.1X Setting	Disabled	6-38

Product Key

Item	Factory default setting	Page
■ **Product Key***		6-39
● Serial Number	–	6-39
● Internet Fax Expansion Kit	–	6-39
● E-mail Alert and Status	–	6-39
● Application Integration Module	–	6-39
● Application Communication Module	–	6-39
● External Account Module	–	6-39
● XPS Expansion Kit	–	6-39

* It may not be possible to use some settings, depending on the peripheral devices installed.

Storing/Calling of System Settings

Item	Factory default setting	Page
■ Storing/Calling of System Settings		6-40
● Restore Factory Defaults	–	6-40
● Store Current Configuration	–	6-40
● Restore Configuration	–	6-40

Sharp OSA Settings

Item	Factory default setting	Page
■ Sharp OSA Settings		6-41
● External Account Setting*1		6-41
▶ External Account Control	Disabled	
▶ Enable Authentication by External Server	Disabled	
● USB Driver Settings*2		6-41
▶ External Keyboard	Internal driver	
▶ USB Memory	Internal driver	
▶ Level of Encryption	None	
● Animation Play Speed Setting	Standard	6-41

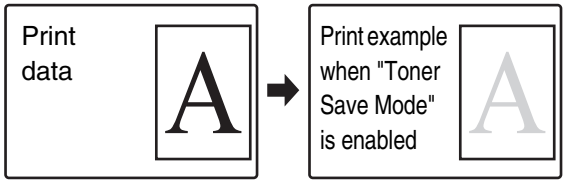
*1 When the external account module is installed.
*2 When the external account module or application communication module is installed.

Energy Save

The Energy Save settings help reduce power costs. From an environmental perspective, these settings also help reduce pollution and conserve natural resources. Select the [Energy Save] key to configure the settings.

Toner Save Mode

You can reduce the amount of toner used for printing.



- [Print] in Toner Save Mode is only effective when the machine's printer driver is not used. When the printer driver is used, the printer driver setting takes precedence.
  This function may not operate in some applications and operating systems.
- [Copy] in Toner Save Mode is not available in United Kingdom.

Auto Power Shut-Off

This setting enables or disables Auto Power Shut-Off. Remove the checkmark if you prefer that Auto Power Shut-Off does not operate.
When the set duration of time elapses after printing ends, Auto Power Shut-Off activates and causes to machine to go on standby at a minimal level of power consumption.
This function reduces your power costs, and at the same time helps conserve natural resources and reduce pollution.
If you prefer that auto power shut-off activates as little as possible, it is recommended that you try lengthening the time setting after which activation takes place rather than disabling the function altogether. (The time setting is changed using "Auto Power Shut-Off Timer" below.)

Auto Power Shut-Off Timer

The time until Auto Power Shut-Off activates can be set to any number of minutes from 1 to 240.
Select the time that best suits your workplace needs.

The timer setting will not be effective if Auto Power Shut-Off is disabled using "Auto Power Shut-Off".

Preheat Mode Setting

The time until Preheat Mode activates can be set to any number of minutes from 1 to 240.
Preheat Mode will activate when the set duration of time elapses after printing ends and no further operations are performed. This function reduces your power costs, and at the same time helps conserve natural resources and reduce pollution.
Select the time that best suits the needs of your workplace.

Preheat mode cannot be disabled.

Operation Settings

Settings related to machine operation can be configured. Select the [Operation Settings] key to configure the settings.

Other Settings

Keys Touch Sound

This setting is used to adjust (or turn off) the volume of the beep that sounds when you select a key.

Display Language Setting

The language that appears in the display can be changed.

When user authentication is enabled and a display language is specified in the favourite operation group, that setting is given priority.

MFP Display Pattern Setting

One of six colour patterns can be selected for the colour pattern in the display.
A sample of the selected pattern can be viewed.

Device Control

These settings control devices installed on the machine. Select the [Device Control] key to configure the settings.

Other Settings

Registration Adjustment

If the colours are out of place on the printed surface when colour printing is performed, the print positions of the colours can be adjusted.
To perform this adjustment, select the [Auto Adjustment] key. A message will appear. select the [Execute] key.

Optimization of a Hard Disk

This function optimizes the hard drive of the machine by defragmenting data. If a job is in progress, a message will appear and optimization will not begin until the job is finished. During optimization, the following operations are not possible:

- Web page access, reception of print data
- Use of keys on the operation panel
- Turning off the power with the main power switch of the machine.
- Auto Power Shut-Off

When optimization is completed, the machine will automatically restart.

When the print hold (retention) function is frequently used and output of files seems somewhat slow, optimizing the hard drive may improve performance.

Copy Function Settings

The following settings are related to copying. Select the [Copy Function Settings] key to configure the settings. Default settings selected with these settings apply to all functions of the machine (not just the copy function).

Initial Status Settings

The copier settings are reset when the [POWER] key (⏻) is turned on, when the [CLEAR ALL] key (CA) is pressed, or when the auto clear interval has elapsed. These settings are used to change the default settings for copy mode. The following settings can be changed:

Item	Description
Colour Mode	Configure default colour mode settings.
Paper Tray	Specify the paper tray that is selected by default.
Exposure Type	Configure exposure mode settings.
Copy Ratio	Specify the copy ratio that is selected by default.
2-Sided Copy	Configure the 2-sided mode settings that are selected by default. If this setting is used to change the default setting for the duplex function to other than "1-Side to 1-Side" and the duplex function or automatic document feeder fails or is disabled, the setting will revert to "1-Side to 1-Side".
Output	Set the print output method that is selected by default.
Return to the Defaults	This returns all items to the factory default settings.

Other Settings

Copy Exposure Adjustment

This is used to adjust the exposure level when [Auto] is used for the copy exposure.

Colour
Use this to set the copy exposure level in colour mode for the document glass and for the automatic document feeder.

Black & White
Use this to set the copy exposure level in black & white mode for the document glass and for the automatic document feeder.

Add or Change Extra Preset Ratios

Two enlargement preset ratios (101% to 200%) and two reduction preset ratios (50% to 99%) can be added. An added preset ratio can also be changed.

Preset ratios other than added preset ratios cannot be changed.

Setting a Maximum Number of Copies

This is used to set the maximum number that can be entered for the number of copies (number of continuous copies). Any number from 1 to 999 can be specified.

Initial Margin Shift Setting

This is used to set the default margin shift amount. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for both the front and reverse sides.

Erase Width Adjustment

This is used to set the default erase width for erase copy. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for edge erase.

Card Shot Settings

This is used to set the default original size for the card shot function.
Both the X (horizontal) and Y (vertical) dimensions of the original can be set from 25 mm (1") to 210 mm (8-1/2") in increments of 1 mm (1/8").

Fit to Page
Enable this setting to have the [Fit to Page] key always appear in the card shot screen.

Disabling Deletion of Job Programs

This is used to prohibit the deletion and changing of copy settings stored in job programs.

Disabling of Bypass-Tray in Duplex Copy

This is used to prohibit the use of the bypass tray when making two-sided copies.
The bypass tray is often used to feed label sheets, transparency film, and other special media for which two-sided copying is prohibited. If a sheet of one of these special media enters the reversing unit, a misfeed or damage to the unit may result. If special media for which two-sided copying is prohibited is often used, it is recommended that you enable this setting.

Disabling of Auto Paper Selection

This setting is used to disable the Auto Paper Selection function.
When this is enabled and an original size is set, the same size of paper is not automatically selected.

Auto Selection of Paper Tray that was Last Loaded

When this setting is enabled and the machine is on standby in copy mode, the last paper tray that was loaded with paper automatically becomes the default paper tray for copy mode, until the machine is reset.

Colour 600dpi x 600dpi Scanning Mode for Document Feeder

The resolution for copying in colour using the automatic document feeder can be changed from 600 x 300 dpi to 600 x 600 dpi (high quality mode).
When high quality mode is used, fine print and thin lines are reproduced with greater clarity, however, the scanning speed is slower.

When high quality mode is not selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.

Colour Quick Scan from Document Glass

The resolution for copying in colour using the document glass can be changed from 600 x 600 dpi to 600 x 300 dpi (high speed mode).
When high speed mode is selected, the first copy time is quicker, however, the copy image is not as clear.

When high speed mode is selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.

B/W 600dpi x 600dpi Scanning Mode for Document Feeder

The resolution for copying in black and white using the automatic document feeder can be changed from 600 x 300 dpi to 600 x 600 dpi (high quality mode).
When high quality mode is used, fine print and thin lines are reproduced with greater clarity, however, the scanning speed is slower.

When high quality mode is not selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.
- Do not copy in black and white with the [COLOUR START] key.

B/W Quick Scan from Document Glass

The resolution for copying in black and white using the document glass can be changed from 600 x 600 dpi to 600 x 300 dpi (high speed mode).
When high speed mode is selected, the first copy time is quicker, however, the copy image is not as clear.

When high speed mode is selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.
- Do not copy in black and white with the [COLOUR START] key.

Colour Adjustments

The following colour settings can be configured.

Initial Colour Balance Setting

Colour balance values obtained using "Colour Balance" in the special modes can be stored in a job program (1 to 48), and those values can be retrieved and stored as the initial colour balance setting*. Use this feature when you want to repeatedly use a colour balance setting for a favourite colour or for correction when a change occurs in the colour balance.

* Preset values displayed when you select "Colour Balance" in the special modes.

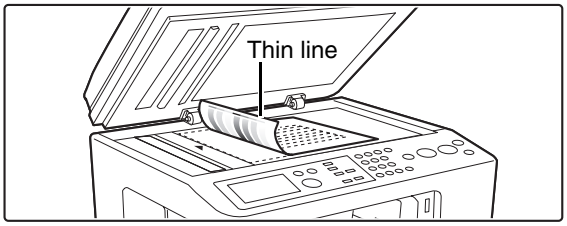
Return to the Factory Default Setting

This returns the stored colour balance values to the factory default values (all colour balance values are "0" for the 8 levels of each colour).

Auto Colour Calibration

This is used to perform automatic colour correction when the colour in colour copies is off. The machine prints a test patch, the test patch is scanned, and the colour is automatically corrected.

After the [Execute] key is selected and a test patch is printed, a message appears prompting you to begin automatic calibration. Place the test patch on the document glass as shown below (so that the thin line at the edge of the page is to the left).



Lay copy paper (about five sheets) that is the same size as the test patch on top of the placed test patch, gently close the automatic document feeder, and select the [Execute] key.

- Before executing Auto Colour Calibration, check to see if the registration adjustment is correct. If the registration adjustment is not correct, perform "Registration Adjustment" (page 6-27).
- If the colour is still off after performing Auto Colour Calibration, repeating Auto Colour Calibration once again may improve the colour.

Network Settings

Network settings are described below. Select the [Network Settings] key to configure the settings.

When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

IPv4 Settings

When using the machine on a TCP/IP (IPv4) network, use this setting to configure the IP address of the machine. The settings are shown below.

IP Address*
Enter the IP address of the machine.

IP Subnet Mask*
Enter the IP Subnet Mask.

IP Gateway*
Enter the IP Gateway address.

DHCP
Use this setting to have the IP address obtained automatically using DHCP (Dynamic Host Configuration Protocol). When this setting is enabled, it is not necessary to manually enter an IP address.

* In these settings, press the ⊛ key when entering dot separators.

- If the machine will be used on a TCP/IP network, be sure to enable "Enable TCP/IP" below.
- If DHCP is used, the IP address assigned to the machine may change automatically. If the IP address changes, specify the printer port setting again and then print.

IPv6 Settings

When using the machine on a TCP/IP (IPv6) network, use this setting to configure the IP address of the machine. The settings are shown below.

Enable IPv6 Protocol
Enable this setting.

DHCPv6
Use this setting to have the IP address obtained automatically using DHCP (Dynamic Host Configuration Protocol). When this setting is enabled, it is not necessary to manually enter an IP address.

Manual Address
Enter the IP address of the machine.

Prefix Length
Enter the prefix length (0 to 128).

Default Gateway
Enter the IP Gateway address.

- If the machine will be used on a TCP/IP network, be sure to enable "Enable TCP/IP" below.
- If DHCP is used, the IP address assigned to the machine may change automatically. If the IP address changes, specify the printer port setting again and then print.
- In an IPv6 environment, the machine can use LPD or IPP protocol.

Enable TCP/IP

To use the machine on a TCP/IP network, this setting must be enabled.

Enable NetWare

To use the machine on a NetWare network, this setting must be enabled.

Enable EtherTalk

To use the machine on an EtherTalk network, this setting must be enabled.

Enable NetBEUI

To use the machine on a NetBEUI network, this setting must be enabled.

Reset the NIC

This returns all "Network Settings" to the factory default settings.

Ping Command

Use this function to check if the machine can communicate with a computer on the network.
Specify the IP address of the desired computer and select the [Execute] key.
When entering an IPv4 IP address, press the ⊛ key to enter dot separators. A message will appear indicating whether or not the computer responded.

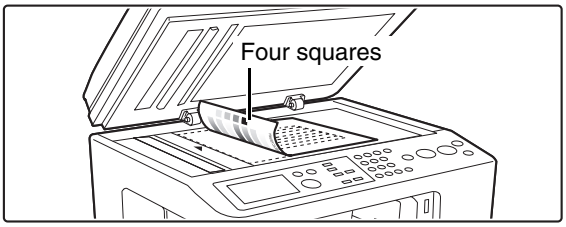
Printer Settings

Settings related to the printer function can be configured. Select the [Printer Settings] key to configure the settings.

Auto Colour Calibration

This is used to perform automatic colour correction when the colour copy or print output appears to contain the incorrect colours throughout the document. The machine prints a test patch, the test patch is scanned, and the colour is automatically corrected.

After the [Execute] key is selected and a test patch is printed, a message appears prompting you to begin automatic calibration. Place the test patch on the document glass as shown below (the four squares should be on the left).



Lay copy paper (about five sheets) that is the same size as the test patch on top of the placed test patch, gently close the automatic document feeder, and select the [Execute] key.

- Before executing Auto Colour Calibration, check to see if the registration adjustment is correct. If the registration adjustment is not correct, perform "Registration Adjustment" (page 6-27).
- If the colour is still off after performing Auto Colour Calibration, repeating Auto Colour Calibration once again may improve the colour.

Image Send Settings

Settings related to the image send function (scan, Internet fax, etc.) can be configured. Select the [Image Send Settings] key to configure the settings.

For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97).

Operation Settings

The operation settings below apply to all image send functions.

Other Settings

Default Display Settings

You can select one of 5 base screen types for the base screen that appears when the [IMAGE SEND] key is pressed or when the [CLEAR ALL] ( ) key is pressed in image send mode.

- Address Book
- Scan
- Internet Fax
- Fax
- Data Entry

Hold settings for a while after scanning has been completed
Use this setting to hold the settings after scanning is completed (until Auto Clear Mode activates).

Switch Automatically to Copy Mode Screen
Enable this setting to have the screen automatically switch to the copy mode screen if no action is taken in the image send mode screen for 20 seconds.

Address Book Default Selection

One of the following screens can be specified for the initial address book screen.

Tab Switch

- ABC
- Group

Address Type

- All
- E-mail
- FTP/Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax
- Group

Initial Resolution Setting

The following settings are available for the default resolutions of scan, Internet fax, and fax mode.

Scan : 100X100 dpi, 200X200 dpi, 300X300 dpi, 400X400 dpi, 600X600 dpi

Internet fax : 200X100 dpi, 200X200 dpi, 200X400 dpi, 400X400 dpi, 600X600 dpi — Half Tone

Fax: Standard, Fine, Super Fine, Ultra Fine — Half Tone

Apply the Resolution Set when Stored
When an image stored by print hold (retention) is used, this applies the resolution setting that was stored with the image.

Default Exposure Settings

This is used to set the default exposure settings for scanning a document in image send mode. Select [Auto] or [Manual]. When [Manual] is selected, the exposure can be set to one of 5 levels.

Default Original Image Type
Select the original type beforehand to enable transmission at a resolution suitable for the original (only in scan mode and USB memory mode).
The settings are shown below.

- Text/Printed Photo
- Text/Photo
- Text
- Photo
- Printed Photo
- Map

When the exposure is set to [Auto], a default original type cannot be selected.

Moiré Reduction
This reduces the moiré effect (line pattern) that occurs when printed matter is scanned (only in scan mode and USB memory mode).

Must Input Next Address Key at Broadcast Setting

This setting is used to require that the [Next Address] key be selected before the next address is entered when performing a broadcast transmission.
When this setting is enabled, the [Next Address] key cannot be omitted even if the next address is entered with a one-touch key.
If a user attempts to enter the next address without selecting the [Next Address] key, a double-beep alarm will sound and the entry will be rejected.

Scan Complete Sound Setting

The scan complete sound can be selected.

The Number of File Name/Subject/Body Keys Displayed Setting

Select 6, 12 or 18 for the number of file name/subject keys that are displayed in the screen.

The Number of Direct Address Keys Displayed Setting

Select 5, 10, or 15 for the number of one-touch keys that appear in the address book screen.

Disable Switching of Display Order

This is used to prohibit changes to the order of display (search number order, ascending, descending) in the address book.
When this setting enabled, selecting a tab on the address book screen does not change the order. The display order will remain fixed at the order that is in effect when this setting is enabled.

Hold Setting for Received Data Print

(When the Internet fax expansion kit or facsimile expansion kit is installed.)

This function holds received faxes and Internet faxes in memory without printing them. The faxes can be printed by entering a password (factory default setting: 0000) with the numeric keys.

Password

When [Hold Setting for Received Data Print] is enabled, enter the password (4-digit number).



These settings can only be configured when there is no received data in the machine's memory (excluding data in a confidential or relay broadcast memory box).

Erase Width Adjustment

This is used to set the default erase width for erase function. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for edge erase.

Own Name and Destination Set

Use this setting to enter the Internet fax address, fax number of the machine and the name of the user.

Sender Data Registration

Use this to store the sender name for fax and Internet fax, the sender number for fax, and the sender address for Internet fax.
The stored sender name and fax sender number or Internet sender address will be printed at the top of the received fax.

Sender Name

Enter the sender name. A maximum of 20 characters can be entered for the sender name.

Sender Fax Number

This is used to set the sender fax number.
To insert a pause between digits of the number, select the [-] key.
To insert a space between digits of the number, select the [Space] key.

I-Fax Own Address

Enter a default sender address (maximum of 56 characters).

Registration of Own Name Select

Store sender names used in "Own Name Select" in the special modes. Up to 18 sender names can be stored.

Add New

Store a sender name. A maximum of 20 characters can be stored.
After entering a sender name, select the [Store] key. The lowest unused registration number from 01 to 18 will be automatically assigned to the sender name. This number cannot be changed.

Sender Name List

This shows a list of the stored sender names.
A sender name can be selected to delete it.

List Print (Administrator)

This is used to print lists and reports that are only for use by the administrator of the machine. Select the [List Print (Administrator)] key to configure the settings.

Image Sending Activity Report

The following Image Sending Activity Reports can each be separately printed.

- Image Sending Activity Report (Scan)
- Image Sending Activity Report (Internet Fax)
- Image Sending Activity Report (Fax)

Data Receive/Forward List

The following lists showing reception settings and forwarding settings can be printed.

- Anti Junk Fax Number List
- Anti Junk Mail/Domain Name List
- Inbound Routing List
- Document Admin List

User Information Print

User lists, usage count lists, usage limit group lists, and other lists related to user control can be printed.

- User List
- List of Number of Pages Used
- Page Limit Group List
- Authority Group List
- Favourite Operation Group List
- All User Information Print

Security Settings

The following settings are related to security. Select the [Security Settings] key to configure the settings.

SSL Settings

SSL can be used for data transmission over a network. SSL is a protocol that enables the encryption of information communicated over a network. Encrypting data makes it possible to transmit and receive sensitive information safely.
SSL can be enabled for the following protocols:

Server Port

- HTTPS: Apply SSL encryption to HTTP communication.
- IPP-SSL: Apply SSL encryption to IPP communication.
- Redirect HTTP to HTTPS in Device Web Page Access:
  When this setting is enabled, all communication that attempts to access the machine by HTTP is redirected to HTTPS.

Client Port

- HTTPS: Apply SSL encryption to HTTP communication.
- FTPS: Apply SSL encryption to FTP communication.
- SMTP-SSL: Apply SSL encryption to SMTP communication.
- POP3-SSL: Apply SSL encryption to POP3 communication.
- LDAP-SSL: Apply SSL encryption to LDAP communication.

Level of Encryption

The encryption strength can be set to one of three levels.

IPsec Settings

IPsec can be used for data transmission/reception on a network. When IPsec is used, data can be sent and received safely without the need to configure settings for IP packet encryption in a Web browser or other higher-level application.
This setting is only used to enable or disable IPsec; detailed IPsec settings are configured in the Web pages. Some Web page settings may not allow connection to the machine, or the settings may not allow printing, scanning, or Web page display. In this case, deselect this setting and change the Web page settings.

Advanced IPsec settings are configured by clicking [Security Settings] and then [IPsec Settings] in the Web page menu.

IEEE802.1X Setting

IEEE802.1X can be used to authenticate a user to allow use of the machine.
IEEE802.1X protocol defines port-based authentication for both wired and wireless networks.
Use IEEE802.1X authentication to allow only authenticated devices to use network, and protect against network abuse by third parties.
This setting is only used to enable or disable IEEE802.1X; detailed IEEE802.1X settings are configured in the Web pages.
Some Web page settings may not allow connection to the machine, or the settings may not allow printing, scanning, or Web page display. In this case, deselect this setting and change the Web page settings.

Advanced IEEE802.1X settings are configured by clicking [Security Settings] and then [IEEE802.1X Settings] in the Web page menu.

Product Key

The procedures for entering the product keys of the expansion kits are explained below. Select the [Product Key] key to configure the settings.

- It may not be possible to use some settings, depending on the peripheral devices installed.
- For the product key to be entered, contact your dealer.

Serial Number

This displays the serial number that is required to obtain the product key.

Internet Fax Expansion Kit

Enter the product key of the Internet fax expansion kit.

E-mail Alert and Status

Enter the product key of e-mail alert and status.

When the fax function is enabled, this is displayed as "E-mail Status".

Application Integration Module

Enter the product key of the application integration module.

Application Communication Module

Enter the product key of the application communication module.

External Account Module

Enter the product key of the external account module.

XPS Expansion Kit

Enter the product key of the XPS expansion kit.

Storing/Calling of System Settings

The current system settings can be stored, previously stored system settings can be retrieved, and the factory default system settings can be restored. Select the [Storing/Calling of System Settings] key to configure the settings.

Restore Factory Defaults

This is used to return the system settings to the factory default settings. If you wish to create a record of the current settings before restoring the factory default settings, print the current settings using "List Print (Administrator)" (page 6-37) in the system settings (administrator).

When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

Store Current Configuration

This is used to store the currently configured system settings. The stored settings will be retained even if the [POWER] key ( ) is turned off. To retrieve the stored settings, use "Restore Configuration" below.

Items not stored

- Network Settings: These are not stored as unexpected settings may cause damage to the network.
- Product Keys: Product Keys are not stored as reissue of keys may be necessary.

Restore Configuration

Use this to restore settings stored with "Store Current Configuration".
The current settings will change to the retrieved settings.

Sharp OSA Settings

External Account Setting

(When the external account module is installed.)

External Account Control
When this setting is enabled, the machine enters external totaling mode and the totaling function can be used via an external account application.

Enable Authentication by External Server
When this setting is enabled, the machine enters external authentication mode. Access to the machine is controlled by an external application.

When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

USB Driver Settings

(When the external account module or application communication module is installed.)

When installing the external account module or application communication module, set the driver of the USB device to be connected.
Configure the settings below based on the specifications of your Sharp OSA application.

External Keyboard
Select whether the internal or external driver for the external keyboard is used.

USB Memory
Select whether the internal or external USB memory driver is used.

Level of Encryption
Select the level of encryption for communication using the external driver.
Select from none or AES-128, AES-256.

- When the external driver is selected, it will not be possible to use a USB device in a mode other than Sharp OSA mode.
- When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

Animation Play Speed Setting

Set the playing speed of the animation in the Sharp OSA application.
The following settings can be configured.

- Standard
- High

When "High" is selected, the machine's job processing speed (for print and other jobs) may become slower. If you wish to give priority to job processing speed, select "Standard". Note that this setting ("High" or "Standard") does not change the animation playing speed when the machine is not processing a print job.

SYSTEM SETTINGS (GENERAL) IN THE WEB PAGE

This section explains system settings that can be configured in the Web page by general users. These settings are accessed by selecting [System Settings] in the Web page menu bar.

System Settings (General) List

When the system settings are accessed with general rights, the following items appear. For items that can only be accessed with administrator rights, see "System Settings (Administrator) List" (page 6-56).

- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.
- For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS IN THE WEB PAGE" (page 6-107).
- After configuring certain settings, you may be prompted to restart the machine. Restart the machine in the screen that appears.

Total Count

Item	Factory default setting	Page
■ Total Count		6-45
● Job Count	–	6-45
● Device Count	–	6-45

Default Settings

Item	Factory default setting	Page
■ Default Settings		6-46
● Clock Adjust		
▶ Clock Adjust		
◆ Specify Time Zone	–	
◆ Date & Time Settings	–	
◆ Synchronize with Internet Time Server	Disable	
▶ Daylight Saving Time Setting	Varies depending on country and region	6-46
◆ Select Setting Type	Varies depending on country and region	
◆ Start Time	Varies depending on country and region	
◆ Completing Time	Varies depending on country and region	
◆ Adjustment Time	Varies depending on country and region	
▶ Date Format	Varies depending on country and region	
● Keyboard Select	Varies depending on country and region	6-47

List Print (User)

Item	Factory default setting	Page
■ List Print (User)		6-47
● All Custom Setting List	–	
● Printer Test Page	–	
● Sending Address List	–	

Paper Tray Settings

Item	Factory default setting	Page
■ Paper Tray Settings		6-48
● Auto Tray Switching	Enabled	6-48
● Tray Settings		6-48
▶ Tray 1	Plain, Auto-AB (Auto-Inch)	
▶ Tray 2*		
▶ Tray 3*		
▶ Tray 4*		
▶ Bypass		
◆ Select Similar Sizes for Auto Detection	Auto-AB: 216 mm x 330 mm (8-1/2" x 13") Auto-Inch: 8-1/2" x 14"	
● Custom Size Registration (Bypass)	Custom 1: X=297 mm (11"), Y=210 mm (8-1/2") Custom 2: X=297 mm (11"), Y=210 mm (8-1/2") Custom 3: X=297 mm (11"), Y=210 mm (8-1/2")	6-48

* When a 500-sheet paper feed unit is installed.

Paper Type Registration

Item	Factory default setting	Page
■ Paper Type Registration	–	6-51

Fax Data Receive/Forward

Item	Factory default setting	Page
■ Fax Data Receive/Forward		6-51
● I-Fax Settings*		6-51
▶ Reception Start	–	
▶ Manual Reception Key in Initial Screen	Enabled	
▶ Forward Received Data	–	

* When the Internet fax expansion kit is installed.

Printer Condition Settings

Item	Factory default setting	Page
■ Printer Condition Settings		6-52
● Printer Default Settings		6-52
▶ Copies	1	
▶ Orientation	Portrait	
▶ Default Paper Size	A4 (8-1/2" x 11")	
▶ Default Paper Type	Plain Paper	
▶ Initial Resolution Setting	600dpi (High Quality)	
▶ Disable Blank Page Print	Disabled	
▶ Line Thickness	5	
▶ 2-Sided Print	1-Sided	
▶ Colour Mode	Auto	
▶ N-Up Print	1-Up	
▶ Fit To Page	Enabled	
▶ Output		
◆ Print per Unit	Enabled	
◆ Staple*	Disabled	
▶ Quick File	Disabled	
● PCL Settings		6-53
▶ PCL Symbol Set Setting	PC-8	
▶ PCL Font Setting	Internal Font, 0: Courier	
▶ PCL Line Feed Code	0.CR=CR; LF=LF; FF=FF	
▶ Wide A4	Disabled	
● PostScript Setting		6-54
▶ Print PS Errors	Disabled	
▶ Binary Processing	Disabled	

* When a finisher is installed.

USB-Device Check

Item	Factory default setting	Page
■ USB-Device Check	–	6-54

Total Count

This function shows the page count in each mode. Select [System Settings] - [Total Count] from the menu bar.

Job Count

This displays or prints out the counts of all jobs.

- Each sheet of paper used for automatic two-sided copying is counted as two pages.
- Pages printed directly from the machine such as list prints are included in the "Other Prints" count.
- The items displayed (or printed) will vary depending on the machine specifications and peripheral devices installed.

Device Count

This is used to display or print the counts of the peripheral devices installed on the machine.

- **Document feeder**
  Each sheet is counted as two pages when two-sided scanning is performed.
- The items displayed (or printed) will vary depending on the machine specifications and peripheral devices installed.

Default Settings

The default settings for operation of the machine can be configured. Select [System Settings] - [Default Settings] from the menu bar and configure each setting.

Clock Adjust

Use this to set the date and time in the machine's built-in clock.
Set the time.

Item	Settings
Current Date & Time	The current time set in the machine appears.
Specify Time Zone	If your region is ahead of GMT (Greenwich Mean Time), select [+]. If your region is behind GMT, select [-]. Next, specify the time difference between your region and GMT in hours and minutes.
Date&Time Settings	Select and set the year, month, day, hour, and minute.
Synchronize with Internet Time Server	This can be used when the machine is connected to the Internet. The machine's time is automatically adjusted to the time of an Internet time server.

Daylight Saving Time Setting

Enable daylight saving time.

Item	Settings
Daylight Saving Time Setting	Select whether or not the Daylight Saving Time Setting is enabled. If disabled, the following settings will not be possible.
Select Setting Type	Specify whether the starting and ending day of daylight saving time are to be set using the day of the week or the date.
Start Time	Set the starting time of daylight saving time. Set the starting month. If you selected "Day of the Week" in "Select Setting Type", set the starting week of daylight saving time and then the starting day. If you selected "Date" in "Select Setting Type", set the starting date. Set the hour and minute and the UTC (Coordinated Universal Time) setting.
Completing Time	Set the ending time of daylight saving time in the same way as you set the starting time.
Adjustment Time	Set the time that adjustment will take place when daylight saving time begins.

When this function is used, the time changes at the beginning and end of daylight saving time as indicated in the table below.

Area	Standard time → Daylight saving time	Daylight saving time → Standard time
Europe*	Last Sunday in March, 1:00 to 2:00 AM	Last Sunday in October, 1:00 to 0:00 AM
Australia, New Zealand	Last Sunday in October, 2:00 to 3:00 AM	Last Sunday in March 3:00 to 2:00 AM
Other countries	Select the [Daylight Saving Time Setting] checkbox so that a checkmark ☑ appears. The clock setting is configured to normal time plus one hour. When the ☑ is selected, clock returns to normal time.	

* In some countries, the starting and ending times of daylight saving time may be different than the times set in the machine.

Date Format

The format used to print the date on lists and other output can be changed.

Item	Settings
Current Setting	The current time appears in the format set in the date format settings.
Format	Set the order of display of the year, month, and day (YYYY/MM/DD).
Separator	Select one of three symbols or a blank space for the separator used in the date.
Day-Name Position	Select whether the day name appears before or after the date.
Time Display	Select 12-hour format or 24-hour format for the time. 12-Hour Display: 12:00AM to 11:59AM/12:00 to 11:59PM 24-Hour Display: 00:00 to 23:59

If "Disabling of Clock Adjustment" (page 6-69) has been enabled in the system settings (administrator), the date and time cannot be set.

Keyboard Select

The layout of the keyboard that appears in text entry screens can be changed.
The keyboard layouts that can be selected are shown below.

English (US)	English (UK)	Japanese	French	German	Swedish
Norwegian	Finnish	Danish	Russian	Greek	Turkish

List Print (User)

Lists showing the settings and information stored in the machine can be printed. Select [System Settings] - [List Print (User)] from the menu bar and configure each setting. To print a list, select the [Print] key that appears in each item.

List name	Description
All Custom Setting List	This list shows the hardware status, software status, printer condition settings, paper tray settings, and total counts.
Printer Test Page	This is used to print the PCL Symbol Set List, various font lists, and the NIC page (network interface settings, etc.). • PCL Symbol Set List • PCL Internal Font List • PCL Extended Font List • PS Font List • PS Extended Font List • NIC Page
Sending Address List	Lists can be printed of various addresses stored in the machine. • Individual List • Group List • Program List • Memory Box List • All Sending Address List

• The items that appear will vary depending on the functions that have been added to the machine.
• If "Prohibit Test Page Printing" (page 6-77) has been enabled in the system settings (administrator), it will not be possible to print a test page.

Paper Tray Settings

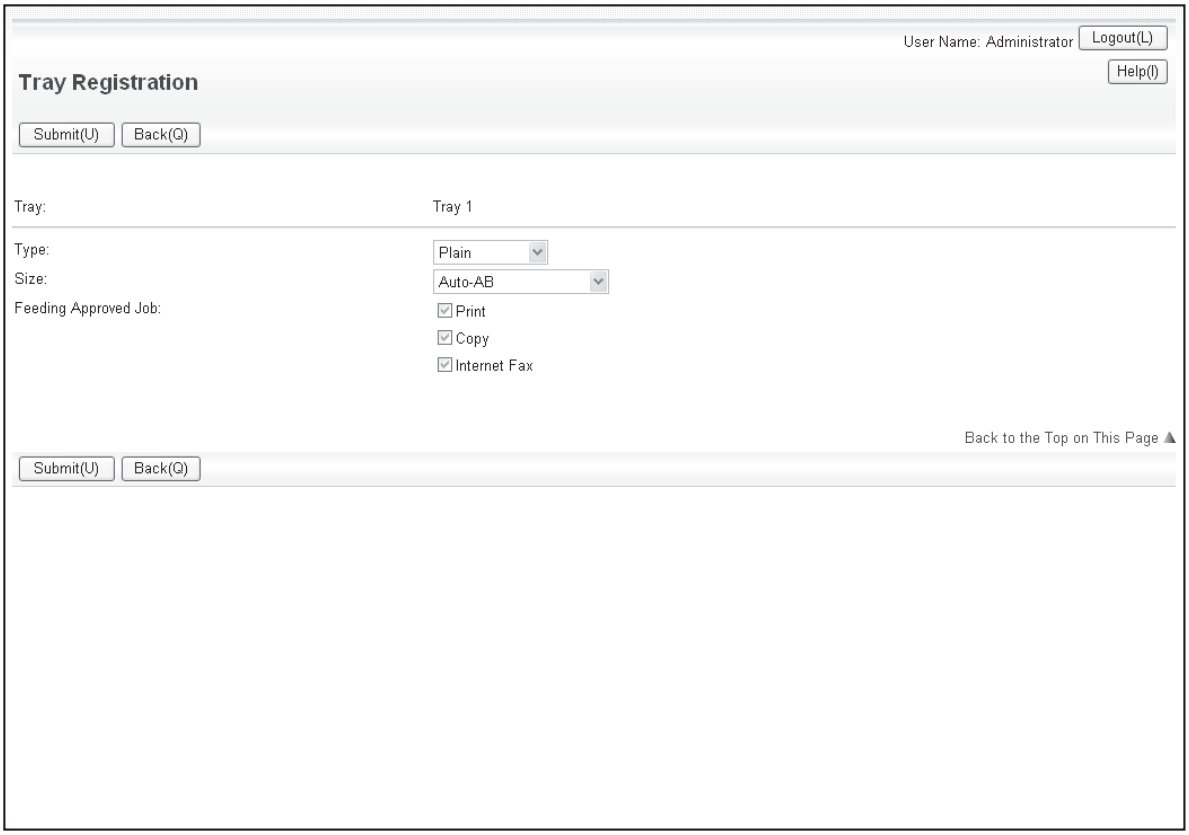
Paper tray and paper type settings are explained in this section. Select [System Settings] - [Paper Tray Settings] from the menu bar and configure each setting.
A displayed tray name can be selected to open the tray settings screen.

Auto Tray Switching

When a tray runs out of paper during printing, this determines whether or not another tray with the same size and type of paper is automatically selected and printing continues.

Tray Settings

These settings specify the paper type, paper size, and functions allowed for each paper tray.



Settings of each tray

The following settings can be configured.

Item	Description
Type	Select the type of paper that is loaded in the tray. The paper types that can be selected vary by paper tray. For more information, see "Tray Settings" (page 6-50). To store a new paper type, see "Paper Type Registration" (page 6-51).
Size	Select the paper size from the list. The paper sizes that can be selected vary by tray. The sizes that can be selected may also be restricted by the paper type selected above. For more information, see "Tray Settings" (page 6-50). If the desired size does not appear in the list, select [Custom Size] and directly enter the size (only for the bypass tray). For more information, see "Tray Settings" (page 6-50).
Feeding Approved Job	Select the modes that can be used. If there is a function that you do not wish to be used with the selected tray, disable the function. When the "Type" is other than plain paper, recycled paper, coloured paper, or a user type, [Fax] and [Internet Fax] cannot be selected.

- If the paper size specified here is different from the size of paper that is loaded in a tray, a problem or misfeed may result when printing.
  To change the paper size in a tray, see "1. BEFORE USING THE MACHINE".
- Paper properties such as "Fixed Paper Side" are automatically set when the paper type is selected. The paper tray properties cannot be changed in this screen.
- If "Disabling of Tray Settings" (page 6-72) has been enabled in the system settings (administrator), the tray settings (except for the bypass tray) cannot be configured.

Tray Settings

Paper Tray	Paper Type	Size
Tray 1	Plain, Pre-Printed, Recycled, Letter Head, Pre-Punched, Colour, User Type	Auto-AB (A4, A5, B5, 216 mm x330 mm (8-1/2" x 13")), Auto-Inch (8-1/2" x 14", 8-1/2" x 11", 7-1/4" x 10-1/2", 5-1/2" x 8-1/2"), 216 mm x 343 mm (8-1/2" x 13-1/2"), 8-1/2" x 13-2/5" (216 mm x 340 mm), 16K
Tray 2*1		
Tray 3*1		Auto-AB (A4, B5, 216 mm x 330 mm(8-1/2" x 13")), Auto-Inch (8-1/2" x 14", 8-1/2" x 11", 7-1/4" x 10-1/2"), 216 mm x 343 mm (8-1/2" x 13-1/2"), 8-1/2" x 13-2/5" (216 mm x 340 mm), 16K
Tray 4*1		
Bypass	In addition to the paper types of trays 1 to 4, Heavy Paper*2, Thin Paper, Glossy Paper	Auto-AB (A4, A5, B5, 216 mm x 330 mm (8-1/2" x 13")*3, 216 mm x 340 mm (8-1/2" x 13-2/5")*3, 216 mm x 343 mm (8-1/2" x 13-1/2")*3), Auto-Inch (8-1/2" x 14"*3, 8-1/2" x 13-2/5" (216 mm x 340 mm)*3, 8-1/2" x 11", 7-1/4" x 10-1/2", 5-1/2" x 8-1/2"), Size Input-AB (X=140 mm to 356 mm, Y=100 mm to 216 mm), Size Input-Inch (X=5-1/2" to 14", Y=5-1/2" to 8-1/2"), 16K, Custom 1, Custom 2, Custom 3
	Labels	Auto-AB (A4, B5), Auto-Inch (8-1/2" x 11")
	Transparency	Auto-AB (A4), Auto-Inch (8-1/2" x 11")
	Envelope	Com-10, Monarch, DL, C5

*1 When a 500-sheet paper feed unit is installed.
*2 Heavy Paper : 106 g/m^2 to 209 g/m^2 (28 lbs to 56 lbs) heavy paper
*3 The size that is automatically detected is set in "Select Similar Sizes for Auto Detection" in the bypass tray settings screen (see below).

Select Similar Sizes for Auto Detection

"Select Similar Sizes for Auto Detection" in the bypass tray settings screen is used to select the paper size that is automatically detected from similar sizes when automatic paper size detection takes place.
Select one of two sizes when "Auto-Inch" is set. Select one of three sizes when "Auto-AB" is set.
When paper that is the same size as one of the paper sizes in the settings is placed in the bypass tray, the size that is selected in the settings will be automatically detected.

Auto-AB	216 mm x 330 mm (8-1/2" x 13"), 216 mm x 340 mm (8-1/2" x 13-2/5"), 216 mm x 343 mm (8-1/2" x 13-1/2")
Auto-Inch	8-1/2" x 14", 8-1/2" x 13-2/5" (216 mm x 340 mm)

Custom Size Registration (Bypass)

If you frequently use a special non-standard paper size in the bypass tray, you can store that paper size.
Storing the paper size saves you the trouble of setting the size each time you need to use it.
Up to three paper sizes can be stored.
Select whether you wish to enter the size in mm ("Size Input-AB") or inches ("Size Input-Inch"), and then set the X and Y dimensions of the paper.

"Size Input-AB"
The X dimension can be set to a value from 140 mm to 356 mm. The factory default setting is 297 mm.
The Y dimension can be set to a value from 100 mm to 216 mm. The factory default setting is 210 mm.
"Size Input-Inch"
The X dimension can be set to a value from 5-1/2" to 14". The factory default setting is 11".
The Y dimension can be set to a value from 5-1/2" to 8-1/2". The factory default setting is 8-1/2".

Paper Type Registration

Store a paper type when the desired paper type does not appear as a selection or when you wish to create a new set of paper properties.
Select [System Settings] - [Paper Type Registration] from the menu bar and configure each setting.
Up to 7 paper types can be stored.

Item	Description
Type Name	Store any name. The factory default names are "User Type 1" - "User Type 7".
Fixed Paper Side	Enable this setting when paper with a front and reverse side is used.
Disable Duplex	Enable this setting when paper is loaded that cannot be used for two-sided printing.
Disable Staple	Enable this setting when paper is used that cannot be stapled.

The settings that can be selected vary depending on the peripheral devices installed.

Fax Data Receive/Forward

This section explains settings for reception and forwarding. Select [System Settings] - [Fax Data Receive/Forward] from the menu bar and configure each setting.

For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS ON THE OPERATION PANEL" (page 6-97).

I-Fax Settings

This setting can be configured when the Internet fax expansion kit is installed.

Manual Reception Key in Initial Screen

This displays the [I-Fax Manual Reception] key in the base screen of Internet fax mode.

Printer Condition Settings

The Printer Condition Settings are used to configure basic printer settings and settings for printing from a DOS application. Select [System Settings] - [Printer Condition Settings] from the menu bar and configure each setting.

Printer Default Settings

The default settings are used to set advanced print conditions for printing in an environment where the print driver is not used (such as printing from MS-DOS or from a computer that does not have the provided print driver installed).

When printing using the printer driver, the printer driver settings take precedence over the printer condition settings.

Settings

Item	Selections
Copies	1 - 999 sets
Orientation	• Portrait • Horizontal
Default Paper Size	A4, B5, A5, 8-1/2" x 14", 8-1/2" x 13", 8-1/2" x 11", 7-1/4" x 10-1/2", 5-1/2" x 8-1/2", 16k
Default Paper Type	Plain Paper, Letter Head, Pre-Printed, Pre-Punched, Recycle Paper, Colour
Initial Resolution Setting	• 600 dpi • 600 dpi (High Quality) • 1200 dpi
Disable Blank Page Print	• ☐ (Disabled) • ☑ (Enabled)
Line Thickness*1	0-9
2-Sided Print	• 1-Sided • 2-Sided (Book) • 2-Sided (Tablet)
Colour Mode	• Auto • Black & White
N-Up Print*2	• 1-Up • 2-Up • 4-Up
Fit To Page*3	• ☑ (Use Fit to Page) • ☐ (Do not use Fit to Page)

Item		Selections
Output	Print per unit	• ☑ (Use Print per Unit) • ☐ (Do not use Print per Unit)
	Staple*4	• ☑ (Use Staple) • ☐ (Do not use Staple)
Quick File		• ☐ (Disabled) • ☑ (Enabled)

*1 This setting is used to adjust the line width of vector graphics (black & white printing only). Except for CAD and other specialized uses, there is normally no need to change this setting. When "0" is selected, all lines are printed at a width of 1 dot.
*2 Paper sizes that can be used with this function are A4, 8-1/2" x 14", and 8-1/2" x 11". (This function may not take effect with some print methods.)
*3 Only effective when printing PDF, JPEG, and TIFF files.
*4 When a finisher is installed.

PCL Settings

To configure the symbol set, fonts, line break codes, and other settings used in a PCL environment, click the [PCL Settings] tab.

Settings

Item	Description	Selections
PCL Symbol Set Setting	Specify the symbol set used for printing.	Select from 35 items.
PCL Font Setting	Use this to select the font used for printing.	• Internal Font • Extended Font (List of internal fonts when extended fonts are not installed.)
PCL Line Feed Code	This setting is used to select how the printer responds when a line feed command is received.	• 0.CR=CR; LF=LF; FF=FF • 1.CR=CR+LF; LF=LF;FF=FF • 2.CR=CR; LF=CR+LF; FF=CR+FF • 3.CR=CR+LF; LF=CR+LF; FF=CR+FF
Wide A4	When this is enabled, 80 characters per line can be printed on A4 size paper using a 10-pitch font. (When this setting is disabled, up to 78 characters can be printed per line.)	• ☑ (Enabled) • ☐ (Disabled)

PostScript Setting

To configure settings for printing an error description when a PostScript data print error occurs and settings for reception of PostScript data in binary format, click the [PostScript Setting] tab.

Settings

Item	Description	Selections
Print PS Error	When a PS (PostScript) error occurs during PostScript printing, this setting determines whether or not an error notice is printed.	• ☑ (Enabled) • ☐ (Disabled)
Binary Processing	Receive PostScript data in binary format.	• ☑ (Enabled) • ☐ (Disabled)

USB-Device Check

This lets you check the connection when a USB device is connected to the machine. Select [System Settings] - [USB-Device Check] from the menu bar, and check the USB device.

The status of a USB device that is not compatible with the machine will not appear.

SYSTEM SETTINGS (ADMINISTRATOR) IN THE WEB PAGE

This section explains system settings that can be configured in the Web page by an administrator. These settings are accessed by selecting [System Settings] in the Web page menu bar.

Accessing the System Settings (Administrator)

To access the system settings (administrator), the administrator must log in as explained below.

When User Authentication is not Enabled

Click [Login] or click an item that requires administrator authority.
A login screen will appear. Enter the administrator password.

When User Authentication is Enabled

Log in using one of the methods below. Note that a login screen will not appear when auto login user is enabled.

When user authentication is by login name and password (and e-mail address)

When accessing the Web page, enter a login name and password with administrator authority in the login screen. If the login method has been set to login name / password / e-mail address, a text box for your [E-mail Address] will appear. Enter your e-mail address in the text box.

Login by user number

When accessing the Web page, enter a user number with administrator authority in the login screen.
Login by administrator password is also possible from [Administrator Login].

- User authentication is initially disabled (factory default setting).
- Before logging in, it is recommended that you enable the SSL function in your Web browser to prevent the password from being leaked onto the network.
- **To logout...**
  Click the [Logout] key in the top right corner of the screen. You can also close your Web browser.

System Settings (Administrator) List

The system settings that appear following administrator login are shown below. The default setting for each item is also shown.

- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.
- For information on the general settings, see "System Settings (General) List" (page 6-8).
- For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS IN THE WEB PAGE" (page 6-107).
- After configuring certain settings, you may be prompted to restart the machine. Restart the machine in the screen that appears.

Energy save

Item	Factory default setting	Page
■ **Energy Save**		6-68
● Toner Save Mode		
▶ Print	Disabled	6-68
▶ Copy*	Disabled	
● Auto Power Shut-Off	Enabled	6-68
● Auto Power Shut-Off Timer	45 min.	6-68
● Preheat Mode Setting	10 min.	6-68

* This function is not available in some countries and regions.

Operation Settings

Item	Factory default setting	Page
■ **Operation Settings**		6-69
● Operation Settings		6-69
▶ Keys Touch Sound	Middle	6-69
▶ Key Touch Sound at Initial Point	Disabled	6-69
▶ Auto Clear Setting	60 sec.	6-69
◆ Cancel Auto Clear Timer	Disabled	
▶ Message Time Setting	6 sec.	6-69
▶ Display Language Setting	Varies depending on country and region	6-69
▶ Disabling of Job Priority Operation	Disabled	6-69
▶ Disabling of Bypass Printing	Disabled	6-69
▶ Key Operation Setting	0.0 sec.	6-69
◆ Disable Auto Key Repeat	Disabled	
▶ Disabling of Clock Adjustment	Disabled	6-69
▶ Business Card Scan Option	Disabled	6-69

Item	Factory default setting	Page
▶ MFP Display Pattern Setting	Pattern 1	6-69
● Preview Setting		6-70
▶ Default Preview Display		
◆ Image Send	Reception Data: Twice Memory Box: Twice	
▶ Received Data Image Check Setting	Disabled	
● Remote Operation Settings		6-70
▶ Remote Software Operation		
◆ Operational Authority	Prohibited	
◆ View Password Entry Screen	Display in Both PC and MFP	
▶ Operation from Specified PC		
◆ Operational Authority	Prohibited	
◆ Hostname or IP Address of PC	–	
◆ View Password Entry Screen	Display in Both PC and MFP	
▶ Operation by User who Has Password		
◆ Operational Authority	Prohibited	
◆ View Password Entry Screen	Display in Both PC and MFP	
● Customize Key Setting		6-71
▶ Copy		6-71
◆ Customize 1	2in1	
◆ Customize 2	Card Shot	
◆ Customize 3	Slow Scan Mode	
▶ Scan		6-71
◆ Customize 1	Program	
◆ Customize 2	Global Address	
◆ Customize 3	All Destinations	
▶ Internet Fax*1		
◆ (Same as Scan)		
▶ Fax*2		
◆ (Same as Scan)		
▶ USB Memory Scan		
◆ Customize 1	–	
◆ Customize 2	–	
◆ Customize 3	–	
▶ Data Entry*3		
◆ (Same as Scan)		

Item	Factory default setting	Page
● Soft Keyboard Template Setting	1: .com, 2: .net, 3: .org, 4: .biz, 5: .info, 6: http://, 7 to 30: Not set	6-71

*1 When the Internet fax expansion kit is installed.
*2 When the facsimile expansion kit is installed.
*3 When the application integration module is installed.

Device Control

Item	Factory default setting	Page
■ **Device Control**		6-72
● AB/Inch Type Setting	AB (Inch)	6-72
● Default Original Size Settings	Copy: None Fax/Image Send: A4 (8-1/2" x 11") Scan to HDD: A4 (8-1/2" x 11")	6-72
● Disabling of Document Feeder	Disabled	6-72
● Original Feeding Mode	All Disabled	6-72
● Disabling of Duplex	Disabled	6-72
● Disabling of Optional Paper Feed Unit*1	Disabled	6-72
● Disabling of Tray Settings	Disabled	6-72
● Disabling of Offset*2	Disabled	6-72
● Disabling of Stapler*2	Disabled	6-72
● Disabling of Colour Mode*3	Disabled	6-73
● Auto Paper Selection Setting	Plain Paper	6-73
● Detect Standard in Auto Colour Mode	3	6-73
● Fusing Control Settings	60 - 89g/m^2 (16 - 23 lbs.)	6-73

*1 When a 500-sheet paper feed unit is installed.
*2 When a finisher is installed.
*3 When a colour-related problem has occurred.

Copy Function Settings

Item	Factory default setting	Page
■ Copy Function Settings		6-74
● Initial Status Settings		6-74
▶ Colour Mode	Full Colour	
▶ Paper Tray	Tray 1	
▶ Exposure Type	Auto	
▶ Copy Ratio	100%	
▶ 2-Sided Copy	1-Side to 1-Side	
▶ Output	Auto	
● Copy Settings		6-75
▶ Copy Exposure Adjustment		6-75
◆ Colour	5	
◆ Black & White	5	
▶ Add or Change Extra Preset Ratios	–	6-75
▶ Setting a Maximum Number of Copies	999	6-75
▶ Initial Margin Shift Setting		6-75
◆ Side 1	10 mm (1/2")	
◆ Side 2	10 mm (1/2")	
▶ Erase Width Adjustment		6-75
◆ Edge Clearance Width	10 mm (1/2")	
▶ Card Shot Settings		6-75
◆ Original Size	X: 86 mm (3-3/8"), Y: 54 mm (2-1/8")	
◆ Fit to Page	Disabled	
▶ Disabling Deletion of Job Programs	Disabled	6-75
▶ Disabling of Bypass-Tray in Duplex Copy	Disabled	6-75
▶ Disabling of Auto Paper Selection	Disabled	6-75
▶ Auto Selection of Paper Tray that was Last Loaded	Disabled	6-75
▶ Colour 600dpi x 600dpi Scanning Mode for Document Feeder	Enabled	6-76
▶ Colour Quick Scan from Document Glass	Disabled	6-76
▶ B/W 600dpi x 600dpi Scanning Mode for Document Feeder	Enabled	6-76
▶ B/W Quick Scan from Document Glass	Disabled	6-76

Printer Settings

Item	Factory default setting	Page
■ Printer Settings		6-77
● Default Settings		6-77
▶ Prohibit Notice Page Printing	Enabled	6-77
▶ Prohibit Test Page Printing	Disabled	6-77
▶ A4/Letter Size Auto Change	Varies depending on country and region	6-77
▶ Print Density Level		6-77
◆ Colour	3	
◆ Black & White	3	
▶ CMYK Exposure Adjustment	0	6-77
▶ Bypass Tray Settings		6-77
◆ Enable Detected Paper Size in Bypass Tray	Disabled	6-77
◆ Enable Selected Paper Type in Bypass Tray	Enabled	6-77
◆ Exclude Bypass-Tray from Auto Paper Select	Disabled	6-77
▶ Job Spool Queuing	Enabled	6-77
● Interface Settings		6-78
▶ Hexadecimal Dump Mode	Disabled	6-78
▶ I/O Timeout	60 sec.	6-78
▶ Enable USB Port	Enabled	6-78
▶ USB Port Emulation Switching	Auto	6-78
▶ Enable Network Port	Enabled	6-78
▶ Network Port Emulation Switching	Auto	6-78
▶ Port Switching Method	Switch at End of Job	6-78

Image Send Settings

Item	Factory default setting	Page
■ Image Send Settings		6-79
● Operation Settings		6-79
▶ Default Settings		6-79
◆ Default Display Settings	Scan (fax when fax is installed)	6-79
• Hold settings for a while after scanning has been completed	Disabled	
• Switch Automatically to Copy Mode Screen	Varies depending on country and region	
◆ Address Book Default Selection	Tab Switch: ABC, Address Type: All	6-79

Item	Factory default setting	Page
◆ Initial Resolution Setting		6-79
• Scan	Apply the Resolution Set when Stored: Disabled 200 X 200 dpi	
• Internet Fax*1	Apply the Resolution Set when Stored: Disabled 200 X 100 dpi	
• Fax*2	Apply the Resolution Set when Stored: Disabled Standard	
◆ Default Exposure Settings	Auto	6-79
◆ Default Original Image Type	Text	6-80
• Moiré Reduction	Disabled	
◆ Must Input Next Address Key at Broadcast Setting	Disabled	6-80
◆ Scan Complete Sound Setting	Middle	6-80
◆ The Number of File Name/Subject/Body Keys Displayed Setting	12	6-80
◆ The Number of Direct Address Keys Displayed Setting	10	6-80
◆ Disable Switching of Display Order	Disabled	6-80
◆ Hold Setting for Received Data Print*3	Disabled	6-80
◆ Erase Width Adjustment		6-80
• Edge Clearance Width	10 mm (1/2")	
▶ Enable/Disable Settings		6-81
◆ Settings to Disable Registration		6-81
• Disable Registering Destination on Web Page*4	All disabled	6-81
• Disable Registration of Program	All disabled	6-81
• Disable Registration of Memory Box	All disabled	6-81
• Disable Registration Using Network Scanner Tool*4	Disabled	6-81
◆ Settings to Disable Transmission		6-81
• Disable [Resend] on Image Send Mode	Disabled	6-81
• Disable Selection From Address Book	All disabled	6-81
• Disable Direct Entry	All disabled	6-82
• Disable PC-I-Fax Transmission*1	Disabled	6-82
• Disable PC-Fax Transmission*2	Disabled	6-82
▶ Own Name and Destination Set		6-82
◆ Sender Data Registration		
• Sender Name	–	
• Sender Fax Number*2	–	
• I-Fax Own Address*1	–	
◆ Registration of Own Name Select*2	–	6-82

Item	Factory default setting	Page
● Scan Settings		6-83
▶ Scan Settings		6-83
◆ Default Sender Set	–	6-83
◆ Default Colour Mode Settings		6-83
• Black & White	Mono 2	
• Colour Mode	Auto, Greyscale	
• Disable Change of B/W Setting in Auto Mode	Disabled	
◆ Initial File Format Setting		6-83
• File Type	PDF	
• Black & White	MMR (G4)	
• Colour/Greyscale	Medium	
• Specified Pages per File	Disabled	
• Number of Pages	Disabled	
◆ Compression Mode at Broadcasting		6-83
• Black & White	MH (G3)	
• Colour/Greyscale	Medium	
◆ Maximum Size of E-mail Attachments (E-mail)	Unlimited	6-84
◆ Maximum Size of Data Attachments (FTP/Desktop/Network Folder)	Unlimited	6-84
◆ Bcc Setting		6-84
• Enable Bcc	Disabled	
• Display Bcc Address on the Job Status Screen	Disabled	
◆ Disable Scan Function		6-84
• USB Memory Scan	Disabled	
• PC Scan	Disabled	
▶ Default Address		6-84
◆ Default Address Setting	Disabled	6-84
● I-Fax Settings*1		6-85
▶ Default Settings		6-85
◆ Auto Wake Up Print	Enabled	6-85
◆ Compression Setting	MH (G3)	6-85
◆ Speaker Volume Setting	–	6-85
• Receive Signal	Middle	
• Communication Error Signal	Middle	
◆ Original Print on Transaction Report	Print Out Error Report Only	6-85

Item	Factory default setting	Page
◆ Transaction Report Print Select Setting		6-85
• Single Sending	Print Out Error Report Only	
• Broadcasting	Print Out All Report	
• Receiving	No Printed Report	
◆ Activity Report Print Select Setting		6-86
• Auto Print at Memory Full	Disabled	
• Print Daily at Designated Time	Disabled	
◆ Body Text Print Select Setting	Disabled	6-86
▶ Send Settings		6-86
◆ I-Fax Reception Report On/Off Setting	Disabled	6-86
◆ I-Fax Reception Report Request Timeout Setting	1 hour	6-86
◆ Number of Resend Times at Reception Error	2	6-86
◆ Maximum Size of E-mail Attachments	Unlimited	6-86
◆ Rotation Sending Setting	All Enabled	6-87
◆ Printing Page Number at Receiver	Enabled	6-87
◆ Recall in Case of Line Busy	Times: 2, Interval 3 min.	6-87
◆ Recall in Case of Communication Error	Times: 2, Interval 3 min.	6-87
▶ Receive Settings		6-87
◆ Auto Receive Reduce Setting	Enabled	6-87
◆ Duplex Reception Setting	Disabled	6-87
◆ Set Address for Data Forwarding		6-87
• Forwarding to	–	
• Direct SMTP	Disabled	
• Add Hostname or IP Address.	Disabled	
• Hostname or IP Address	–	
◆ Letter Size RX Reduce Print*5	Disabled	6-88
◆ Receiving Date & Time Print	Disabled	6-88
◆ POP3 Communication Timeout Setting	60 sec.	6-88
◆ Reception Check Interval Setting	5 min.	6-88
▶ Allow/Reject Mail or Domain Name Setting	All Invalid	6-88

*1 When the Internet fax expansion kit is installed.
*2 When the facsimile expansion kit is installed.
*3 When the Internet fax expansion kit or facsimile expansion kit is installed.
*4 When network connection is enabled.
*5 This function is not available in some countries and regions.

Print Hold Setting

Item	Factory default setting	Page
■ Print Hold Setting		6-89
● Default Mode Settings	Sharing Mode	6-89
● Sort Method Setting	Date	6-89
● Administrator Authority Setting		6-89
▶ Delete File	Disabled	
▶ Change Password	Disabled	
● Batch Print Settings		6-89
▶ Selection of [All Users] is not allowed.	Enabled	
▶ Selection of [User Unknown] is not allowed.	Enabled	
● Automatic Deletion of File Settings	All invalid	6-89

List Print (Administrator)

Item	Factory default setting	Page
■ List Print (Administrator)		6-90
● Administrator Settings List	–	6-90
● Image Sending Activity Report	–	6-90
● Data Receive/Forward List	–	6-90
● Web Settings List*1	–	6-90
● Metadata Set List*2	–	6-90

*1 When network connection is enabled.
*2 When the application integration module is installed.

Sharp OSA Settings

Item	Factory default setting	Page
■ Sharp OSA Settings		6-91
● Animation Play Speed Setting	Standard	6-91

Enable/Disable Settings

Item	Factory default setting	Page
■ Enable/Disable Settings		6-92
● Printer Condition Settings		6-92
▶ Disable Blank Page Print	Disabled	6-92
● User Control		6-92
▶ Disabling of Printing by Invalid User	Disabled	6-92
● Operation Settings		6-92
▶ Cancel Auto Clear Timer	Disabled	6-92
▶ Disabling of Job Priority Operation	Disabled	6-92
▶ Disabling of Bypass Printing	Disabled	6-92
▶ Disable Auto Key Repeat	Disabled	6-92
▶ Disabling of Clock Adjustment	Disabled	6-92
● Device Control		6-92
▶ Disabling of Document Feeder	Disabled	6-92
▶ Disabling of Duplex	Disabled	6-92
▶ Disabling of Optional Paper Feed Unit*1	Disabled	6-92
▶ Disabling of Tray Setting	Disabled	6-92
▶ Disabling of Offset*2	Disabled	6-92
▶ Disabling of Stapler*2	Disabled	6-92
▶ Disabling of Colour Mode*3	Disabled	6-92
● Copy Function Settings		6-93
▶ Disabling Deletion of Job Programs	Disabled	6-93
▶ Disabling of Bypass-Tray in Duplex Copy	Disabled	6-93
▶ Disabling of Auto Paper Selection	Disabled	6-93
● Printer Settings		6-93
▶ Prohibit Notice Page Printing	Enabled	6-93
▶ Prohibit Test Page Printing	Disabled	6-93
▶ Exclude Bypass-Tray from Auto Paper Select	Disabled	6-93

Item	Factory default setting	Page
● Image Send Settings		6-93
▶ Disable Switching of Display Order	Disabled	6-93
▶ Disable Scan Function		6-93
◆ PC Scan	Disabled	
◆ USB Memory Scan	Disabled	
▶ Settings to Disable Registration		6-93
◆ Disable Registering Destination on Web Page*4	All disabled	6-93
◆ Disable Registration of Program	All disabled	6-93
◆ Disable Registration of Memory Box	All disabled	6-93
◆ Disable Registration Using Network Scanner Tools*4	Disabled	6-93
▶ Settings to Disable Transmission		6-94
◆ Disable [Resend] on Image Send Mode	Disabled	6-94
◆ Disable Selection from Address Book	All disabled	6-94
◆ Disable Direct Entry	All disabled	6-94
◆ Disable PC-I-Fax Transmission*5	Disabled	6-94
◆ Disable PC-Fax Transmission*6	Disabled	6-94
● Print Hold Setting		6-94
▶ Batch Print Settings		6-94
◆ Selection of [All Users] is not allowed.	Enabled	
◆ Selection of [User Unknown] is not allowed.	Enabled	

*1 When a 500-sheet paper feed unit is installed.
*2 When a finisher is installed.
*3 When a colour-related problem has occurred.
*4 When network connection is enabled.
*5 When the Internet fax expansion kit is installed.
*6 When the facsimile expansion kit is installed.

Product Key

Item	Factory default setting	Page
■ **Product Key***		6-95
● Serial Number	–	6-95
● Internet Fax Expansion Kit	–	6-95
● E-mail Alert and Status	–	6-95
● Application Integration Module	–	6-95
● Application Communication Module	–	6-95
● External Account Module	–	6-95
● XPS Expansion Kit	–	6-95

* It may not be possible to use some settings, depending on the peripheral devices installed.

Storing/Calling of System Settings

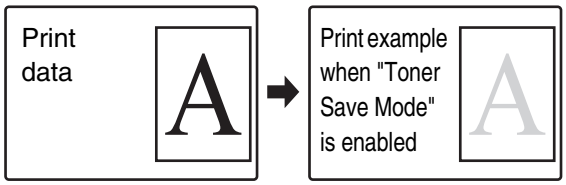
Item	Factory default setting	Page
■ **Storing/Calling of System Settings**		6-96
● Restore Factory Defaults	–	6-96
● Store Current Configuration	–	6-96
● Restore Configuration	–	6-96

Energy Save

The Energy Save settings help reduce power costs. From an environmental perspective, these settings also help reduce pollution and conserve natural resources. Select [System Settings] - [Energy Save] from the menu bar and configure each setting.

Toner Save Mode

You can reduce the amount of toner used for printing.



- [Print] in Toner Save Mode is only effective when the machine's printer driver is not used. When the printer driver is used, the printer driver setting takes precedence.
  This function may not operate in some applications and operating systems.
- [Copy] in Toner Save Mode is not available in United Kingdom.

Auto Power Shut-Off

This setting enables or disables Auto Power Shut-Off. Remove the checkmark if you prefer that Auto Power Shut-Off does not operate.
When the set duration of time elapses after printing ends, Auto Power Shut-Off activates and causes to machine to go on standby at a minimal level of power consumption.
This function reduces your power costs, and at the same time helps conserve natural resources and reduce pollution.
If you prefer that auto power shut-off activates as little as possible, it is recommended that you try lengthening the time setting after which activation takes place rather than disabling the function altogether. (The time setting is changed using "Auto Power Shut-Off Timer" below.)

Auto Power Shut-Off Timer

The time until Auto Power Shut-Off activates can be set to any number of minutes from 1 to 240.
Select the time that best suits your workplace needs.

The timer setting will not be effective if Auto Power Shut-Off is disabled using "Auto Power Shut-Off".

Preheat Mode Setting

The time until Preheat Mode activates can be set to any number of minutes from 1 to 240.
Preheat Mode will activate when the set duration of time elapses after printing ends and no further operations are performed. This function reduces your power costs, and at the same time helps conserve natural resources and reduce pollution.
Select the time that best suits the needs of your workplace.

Preheat mode cannot be disabled.

Operation Settings

Settings related to machine operation can be configured. Select [System Settings] - [Operation Settings] from the menu bar and configure each setting.

Operation Settings

Keys Touch Sound

This setting is used to adjust (or turn off) the volume of the beep that sounds when you touch a key.

Key Touch Sound at Initial Point

You can have three beeps sound at initial values when setting the ratio in copy mode or when adjusting the exposure in any mode.

Screen in which setting is effective	Initial value
Ratio setting screen in base screen of copy mode	Ratio 100%
Exposure adjustment screen in base screen of copy mode	Exposure level: 3 (medium)
Exposure adjustment screen in base screen of fax, Internet fax, and network scanner modes	

Auto Clear Setting

The time until Auto Clear activates can be set to any number of minutes from 10 to 240.
If the machine is not used for the duration of time set here, the auto clear function will clear any settings that have been selected and return the screen to the base screen of copy mode or the job status screen.

Cancel Auto Clear Timer
This is used to disable the auto clear function.

Message Time Setting

The duration of time that messages appear in the display (the time until a message is automatically cleared) can be set to any number of seconds from 1 to 12.

Display Language Setting

The language that appears in the display can be changed.

When user authentication is enabled and a display language is specified in the favourite operation group, that setting is given priority.

Disabling of Job Priority Operation

This disables the job priority function and hides the [Priority] key in the job status screen.

Disabling of Bypass Printing

This is used to disable bypass printing (printing other jobs ahead of a job that has been stopped* because the paper required for the job is not in any of the trays).
* This does not include cases where the paper ran out during the job.

Key Operation Setting

This setting determines how long a key in the display must be selected until the key input is registered. The time can be set from 0 to 2 seconds in increments of 0.5 seconds.
By lengthening the time setting, key input can be prevented when a key is selected accidentally. Keep in mind, however, that when a longer setting is selected more care is required when selecting keys to ensure that key input is registered.

Disable Auto Key Repeat
This is used to disable key repeat.
Key repeat causes a setting to change continuously while a key is selected, not only each time the key is selected.

Disabling of Clock Adjustment

This setting is used to prohibit changing of the date and time.

Business Card Scan Option

When this setting is enabled, "Business Card Scan" can be used in the special modes for copying and scanning.

MFP Display Pattern Setting

One of six colour patterns can be selected for the colour pattern in the display.
A sample of the selected pattern can be viewed.

Preview Setting

Configure settings for the preview screen that can be used for fax/image send and document filing.

Default Preview Display

Set the display zoom ratio of the preview screen for fax/image send and document filing.

Received Data Image Check Setting

Select whether or not a preview of received faxes and Internet faxes is shown.

Remote Operation Settings

Configure settings required for remote operation of the machine from a computer connected to the same network.

Remote Software Operation

Operational Authority	This is used when remote software is used to operate the machine remotely.
View Password Entry Screen	When remote software is used to operate the machine remotely, the entry screen for the various passwords entered on the machine (such as login passwords) can be displayed on the machine, your computer, or both. This setting can be used to prevent the password from being seen.

Operation from Specified PC

Operational Authority	This is used to allow remote operation of the machine using a specified computer.
Hostname or IP Address of PC	Enter the host name or IP address of the computer that will connect to the machine. A maximum of 127 characters can be entered.
View Password Entry Screen	When a specified computer is used to operate the machine remotely, the entry screen for the various passwords entered on the machine (such as login passwords) can be displayed on the machine, your computer, or both. This setting can be used to prevent the password from being seen.

Operation by User who Has Password

Operational Authority	This is used to allow a user who has a password to operate the machine. For information on the password, consult your service technician.
View Password Entry Screen	When a user who has a password operates the machine remotely, the entry screen for the various passwords entered on the machine (such as login passwords) can be displayed on the machine, your computer, or both. This setting can be used to prevent the password from being seen.

Customize Key Setting

Short-cuts to functions that are frequently used can be displayed in the base screen of each mode.
For information on customize keys, see the chapters for each function.
The settings are shown below.

Item	Description
Customized Keys 1 - 3	Enter a name for the customized key (maximum of 14 characters).
Item	Select the function that you want to assign to the key. The functions that can be selected vary by mode.
Return to the Defaults	This returns all customized keys to their factory default state.

Soft Keyboard Template Setting

Use this to add a word to or edit a word in the list of stored words of the keyboard that appears in text entry screens. Up to 30 words can be stored.
Select [System Settings] - [Operation Settings] - [Soft Keyboard Template Setting] in the menu bar, and configure the settings.

Device Control

These settings control devices installed on the machine. Select [System Settings] - [Device Control] from the menu bar and configure each setting.

AB/Inch Type Setting

The numbers and units of the default settings and input ranges that appear in the setting screens can be switched between inches and AB sizes.

Default Original Size Settings

Specify this setting when a particular original size is frequently used. The setting will appear in the [Original] key.
Specifying this setting allows the original size setting to be omitted.

Mode	Settings
Copy	None, A5, B5, A4, 216mm x 330mm (8-1/2" x 13"), 8-1/2" x 13-2/5" (216mm x 340mm), 216mm x 343mm (8-1/2" x 13-1/2"), 8-1/2" x 11", 8-1/2" x 14", 5-1/2" x 8-1/2", 16K
Image Send	None, A5, B5, A4, 216mm x 330mm (8-1/2" x 13"), 8-1/2" x 13-2/5" (216mm x 340mm), 216mm x 343mm (8-1/2" x 13-1/2"), 8-1/2" x 11", 8-1/2" x 14", 5-1/2" x 8-1/2", 16K, Long Size

When [None] is selected, the original size does not appear and must always be set manually.

Disabling of Document Feeder

Use this setting to prohibit the use of the automatic document feeder, such as when the feeder malfunctions. (When the setting is enabled, scanning is still possible using the document glass.)

Original Feeding Mode

The following original feeding modes can be set to operate by default in copy, and image send modes. When a mode is frequently used, this saves you from having to select the mode in the special modes each time you need to use it.

- Mixed size originals of the same width (Copy mode only)
- Slow Scan Mode

Disabling of Duplex

This is used to disable two-sided printing, such as when the duplex module malfunctions.

Disabling of Optional Paper Feed Unit

(When a 500-sheet paper feed unit is installed.)

This setting is used to disable a 500-sheet paper feed unit, such as when it malfunctions.

Disabling of Tray Settings

This setting is used to prohibit tray settings (except for the bypass tray).

Disabling of Offset

(When a finisher is installed.)

This setting is used to disable the offset function.

Disabling of Stapler

(When a finisher is installed.)

This setting is used to prohibit stapling, such as when the stapler unit of the finisher malfunctions.

Disabling of Colour Mode

(When a colour-related problem has occurred.)

When a colour-related problem has occurred and printing is not possible, the use of colour mode can be temporarily prohibited. Black & white printing will still be allowed.

This function is only for use as an emergency measure. Once this setting is enabled, only a service technician can cancel the setting. Promptly contact your dealer or nearest authorised service representative to have a service technician cancel the setting and resolve the colour-related problem.

Auto Paper Selection Setting

The paper types* that the Auto Paper Selection function will select can be specified. Select one of the following settings:

- Plain Paper
- Plain and Recycle Paper
- Recycle Paper

The Auto Paper Selection function will not select any paper types other than the paper types specified with this setting.

* The paper type set for each paper tray using "Paper Tray Settings" (page 6-13) in the system settings (general).

Detect Standard in Auto Colour Mode

When the colour mode is set to auto in copy mode, the discrimination point for detecting whether originals are colour or black and white can be set to one of 5 levels. To make it easier to detect a black and white original, adjust the setting toward [Black & White]. To make it easier to detect a colour original, adjust the setting toward [Colour].

Fusing Control Settings

These are used to control the toner fusing temperature according to the weight of the paper.
These settings apply to plain paper, recycled paper, punched paper, pre-printed paper, letterhead paper, coloured paper, and user type paper.
You can select "60g/m^2 to 89g/m^2" or "90g/m^2 to 105g/m^2" ("16 to 23 lbs." or "23+ to 28 lbs.").

- Be sure to use only paper that is in the same weight range as the weight range set here. Do not mix plain or other paper that is outside the range with the paper in the tray.
- When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

Copy Function Settings

The following settings are related to copying. Select [System Settings] - [Copy Function Settings] from the menu bar and configure each setting.
Default settings selected with these settings apply to all functions of the machine (not just the copy function).

Initial Status Settings

The copier settings are reset when the [POWER] key (⏻) is turned on, when the [CLEAR ALL] key (CA) is pressed, or when the auto clear interval has elapsed. These settings are used to change the default settings for copy mode.
The following settings can be changed:

Item	Description
Colour Mode	Configure default colour mode settings.
Paper Tray	Specify the paper tray that is selected by default.
Exposure Type	Configure exposure mode settings.
Copy Ratio	Specify the copy ratio that is selected by default.
2-Sided Copy	Configure the 2-sided mode settings that are selected by default. If this setting is used to change the default setting for the duplex function to other than "1-Side to 1-Side" and the duplex function or automatic document feeder fails or is disabled, the setting will revert to "1-Side to 1-Side".
Output	Set the print output method that is selected by default.
Return to the Defaults	This returns all items to the factory default settings.

Copy Settings

Click the [Copy Settings] tab and configure the settings.

Copy Exposure Adjustment

This is used to adjust the exposure level when [Auto] is used for the copy exposure.

Colour
Use this to set the copy exposure level in colour mode for the document glass and for the automatic document feeder.

Black & White
Use this to set the copy exposure level in black & white mode for the document glass and for the automatic document feeder.

Add or Change Extra Preset Ratios

Two enlargement preset ratios (101% to 200%) and two reduction preset ratios (50% to 99%) can be added. An added preset ratio can also be changed.

Preset ratios other than added preset ratios cannot be changed.

Setting a Maximum Number of Copies

This is used to set the maximum number that can be entered for the number of copies (number of continuous copies). Any number from 1 to 999 can be specified.

Initial Margin Shift Setting

This is used to set the default margin shift amount. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for both the front and reverse sides.

Erase Width Adjustment

This is used to set the default erase width for erase copy. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for edge erase.

Card Shot Settings

This is used to set the default original size for the card shot function.
Both the X (horizontal) and Y (vertical) dimensions of the original can be set from 25 mm (1") to 210 mm (8-1/2") in increments of 1 mm (1/8").

Fit to Page
Enable this setting to have the [Fit to Page] key always appear in the card shot screen.

Disabling Deletion of Job Programs

This is used to prohibit the deletion and changing of copy settings stored in job programs.

Disabling of Bypass-Tray in Duplex Copy

This is used to prohibit the use of the bypass tray when making two-sided copies.
The bypass tray is often used to feed label sheets, transparency film, and other special media for which two-sided copying is prohibited. If a sheet of one of these special media enters the reversing unit, a misfeed or damage to the unit may result. If special media for which two-sided copying is prohibited is often used, it is recommended that you enable this setting.

Disabling of Auto Paper Selection

This setting is used to disable the Auto Paper Selection function.
When this is enabled and an original size is set, the same size of paper is not automatically selected.

Auto Selection of Paper Tray that was Last Loaded

When this setting is enabled and the machine is on standby in copy mode, the last paper tray that was loaded with paper automatically becomes the default paper tray for copy mode, until the machine is reset.

Colour 600dpi x 600dpi Scanning Mode for Document Feeder

The resolution for copying in colour using the automatic document feeder can be changed from 600 x 300 dpi to 600 x 600 dpi (high quality mode).
When high quality mode is used, fine print and thin lines are reproduced with greater clarity, however, the scanning speed is slower.

When high quality mode is not selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.

Colour Quick Scan from Document Glass

The resolution for copying in colour using the document glass can be changed from 600 x 600 dpi to 600 x 300 dpi (high speed mode).
When high speed mode is selected, the first copy time is quicker, however, the copy image is not as clear.

When high speed mode is selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.

B/W 600dpi x 600dpi Scanning Mode for Document Feeder

The resolution for copying in black and white using the automatic document feeder can be changed from 600 x 300 dpi to 600 x 600 dpi (high quality mode).
When high quality mode is used, fine print and thin lines are reproduced with greater clarity, however, the scanning speed is slower.

When high quality mode is not selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.
- Do not copy in black and white with the [COLOUR START] key.

B/W Quick Scan from Document Glass

The resolution for copying in black and white using the document glass can be changed from 600 x 600 dpi to 600 x 300 dpi (high speed mode).
When high speed mode is selected, the first copy time is quicker, however, the copy image is not as clear.

When high speed mode is selected, the following conditions must be satisfied in order to scan at 600 x 300 dpi and attain the fastest speed.

- The copy ratio must be set to 100%.
- Do not select a special mode that will change the ratio.
- [Copy of Copy] must not be enabled.
- Do not copy in black and white with the [COLOUR START] key.

Printer Settings

Settings related to the printer function can be configured

Default Settings

Printer condition settings are described below. Select [System Settings] - [Printer Settings] - [Default Settings] in the menu bar, and configure the settings.

Prohibit Notice Page Printing

This setting is used to disable printing of notice pages. A notice page is printed when printing cannot be executed as specified due to insufficient memory or other reason. The notice page indicates the reason.

Prohibit Test Page Printing

This setting is used to disable printing of test pages. When this setting is enabled, "Printer Test Page" in the system settings cannot be used to print test pages.

A4/Letter Size Auto Change

When printing an 8-1/2 x 11" (A4) size image, this setting allows A4 (8-1/2 x 11") size paper to be used if 8-1/2 x 11" (A4) size paper is not loaded.

Print Density Level

This lightens or darkens the print density of colour and black and white images. The print density can be adjusted to five levels.

CMYK Exposure Adjustment

This is used to adjust the density of cyan (C), magenta (M), Yellow (Y), and Black (K). The density of each colour can be adjusted to 17 levels.

Bypass Tray Settings

Enable Detected Paper Size in Bypass Tray
This is used to prohibit printing when the paper size specified for a print job is different from the paper size inserted in the bypass tray.

Enable Selected Paper Type in Bypass Tray
This is used to prohibit printing when the paper type specified for a print job is different from the paper type inserted in the bypass tray.

Exclude Bypass-Tray from Auto Paper Select
When [auto] is selected for paper type selection, the bypass tray can be excluded from the trays that can be selected. This is recommended when special media is often placed in the bypass tray.

Job Spool Queuing

When this function is enabled, received print jobs are displayed in the spool queue of the job status screen. The jobs are moved to the job queue after they have been analyzed by the machine. Multiple jobs that have not yet been analyzed can appear in the spool queue. When this function is disabled, received print jobs are displayed in the job queue without being displayed in the spool queue. However, when an encrypted PDF job is printed, the job appears in the spool queue.

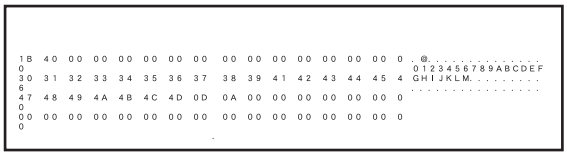
Interface Settings

These settings are used to control and monitor data transmitted to the USB port or network port of the machine.
Select [System Settings] - [Printer Settings] - [Interface Settings] in the menu bar, and configure the settings.

Hexadecimal Dump Mode

This function is used to print the print data from a computer in hexadecimal format together with the corresponding ASCII text. This allows you to check whether or not print data from the computer is being transmitted to the machine correctly.

Example of a hexadecimal dump



I/O Timeout

The I/O timeout can be set to any number of seconds from 1 to 999.
The I/O timeout function temporarily breaks the connection if the set duration of time elapses without any data being received by the port. After the connection is broken, the port is set to auto selection or the next print job is begun.

Enable USB Port

This is used to enable printing from the USB port.

USB Port Emulation Switching

If the machine is connected using the USB port, select the emulated printer language.
The settings are shown below.

- Auto
- PostScript
- PCL

- The settings are the same as those of "Network Port Emulation Switching".
- Unless printer errors occur frequently, it is recommended that you use the factory default setting "Auto".

Enable Network Port

This is used to enable printing from the network port.

Network Port Emulation Switching

This setting is used to select the emulated printer language when the machine is connected by a network port.
The settings are shown below.

- Auto
- PostScript
- PCL

- The settings are the same as those of "USB Port Emulation Switching".
- Unless printer errors occur frequently, it is recommended that you use the factory default setting "Auto".

Port Switching Method

This setting is used to select when port switching takes place.

Switch at End of Job
The port changes to auto selection when printing ends.

Switch after I/O Timeout
When the time set in "I/O Timeout" elapses, the port changes to auto selection.

The following two print ports are available on the machine:

- USB port
- Network port

Image Send Settings

Settings related to the image send function (scan, Internet fax, etc.) can be configured.

For explanations of settings related to the fax function, see "FAX SYSTEM SETTINGS IN THE WEB PAGE" (page 6-107).

Operation Settings

The operation settings below apply to all image send functions. Select [System Settings] - [Image Send Settings] - [Operation Settings] in the menu bar, and configure the settings.

Default Settings

Click the [Default Settings] tab and configure the settings.

Default Display Settings

You can select one of 5 base screen types for the base screen that appears when the [IMAGE SEND] key is pressed or when the [CLEAR ALL] (CA) key is pressed in image send mode.

- Address Book
- Scan
- Internet Fax
- Fax
- Data Entry

Hold settings for a while after scanning has been completed
Use this setting to hold the settings after scanning is completed (until Auto Clear Mode activates).

Switch Automatically to Copy Mode Screen
Enable this setting to have the screen automatically switch to the copy mode screen if no action is taken in the image send mode screen for 20 seconds.

Address Book Default Selection

One of the following screens can be specified for the initial address book screen.

Tab Switch

- ABC
- Group

Address Type

- All
- E-mail
- FTP/Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax
- Group

Initial Resolution Setting

The following settings are available for the default resolutions of scan, Internet fax, and fax mode.

Scan : 100X100 dpi, 200X200 dpi, 300X300 dpi, 400X400 dpi, 600X600 dpi

Internet fax : 200X100 dpi, 200X200 dpi, 200X400 dpi, 400X400 dpi, 600X600 dpi — Half Tone

Fax: Standard, Fine, Super Fine, Ultra Fine — Half Tone

Default Exposure Settings

This is used to set the default exposure settings for scanning a document in image send mode. Select [Auto] or [Manual]. When [Manual] is selected, the exposure can be set to one of 5 levels.

Contents

Default Original Image Type

Select the original type beforehand to enable transmission at a resolution suitable for the original (only in scan mode and USB memory mode).
The settings are shown below.

- Text/Printed Photo
- Text/Photo
- Text
- Photo
- Printed Photo
- Map

When the exposure is set to [Auto], a default original type cannot be selected.

Moiré Reduction

This reduces the moiré effect (line pattern) that occurs when printed matter is scanned (only in scan mode and USB memory mode).

Must Input Next Address Key at Broadcast Setting

This setting is used to require that the [Next Address] key be selected before the next address is entered when performing a broadcast transmission.
When this setting is enabled, the [Next Address] key cannot be omitted even if the next address is entered with a one-touch key.
If a user attempts to enter the next address without selecting the [Next Address] key, a double-beep alarm will sound and the entry will be rejected.

Scan Complete Sound Setting

The scan complete sound can be selected.

The Number of File Name/Subject/Body Keys Displayed Setting

Select 6, 12 or 18 for the number of file name/subject keys that are displayed in the screen.

The Number of Direct Address Keys Displayed Setting

Select 5, 10, or 15 for the number of one-touch keys that appear in the address book screen.

Disable Switching of Display Order

This is used to prohibit changes to the order of display (search number order, ascending, descending) in the address book.
When this setting enabled, selecting a tab on the address book screen does not change the order. The display order will remain fixed at the order that is in effect when this setting is enabled.

Hold Setting for Received Data Print

(When the Internet fax expansion kit or facsimile expansion kit is installed.)

This function holds received faxes and Internet faxes in memory without printing them. The faxes can be printed by entering a password (factory default setting: 0000) with the numeric keys.

Password

When [Hold Setting for Received Data Print] is enabled, enter the password (4-digit number).

These settings can only be configured when there is no received data in the machine's memory (excluding data in a confidential or relay broadcast memory box).

Erase Width Adjustment

This is used to set the default erase width for erase function. Specify a value from 0 mm (0") to 20 mm (1") in increments of 1 mm (1/8") for edge erase.

Enable/Disable Settings

Click the [Enable/Disable Settings] tab and configure the settings.

Settings to Disable Registration

This is used to prohibit the storing of destinations. Storing from the Web page, and storing from a computer can each be separately prohibited.

Disable Registering Destination on Web Page

(When network connection is enabled.)

This disables address control from the Web pages.
Configure the setting for each of the following items:
- Group (Direct Entry)
- Group (Address Book)
- Individual

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration of Program

This prohibits the use of the address book when a program is stored.
Configure the setting for each of the following items:
- E-mail
- FTP
- Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration of Memory Box

(When the fax expansion kit is installed.)

Disable all types of memory box registration.
Configure the setting for each of the following items:
- Polling Memory
- Confidential
- Relay Broadcast (Direct Entry)
- Relay Broadcast (Address Book)

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration Using Network Scanner Tool

(When network connection is enabled.)

This disables address control from the Network Scanner Tool.

Settings to Disable Transmission

These settings are used to disable the following transmission operations.

Disable [Resend] on Image Send Mode

This setting disables the [Resend] key in the base screen of image send mode.

Disable Selection From Address Book

This disables the selection of destinations from the Address Book.
Configure the setting for each of the following items:
- E-mail
- FTP
- Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Direct Entry

This prohibits the direct entry of addresses.
Configure the setting for each of the following items:

- E-mail
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.
Clear Checked: Clear all selections.

Disable PC-I-Fax Transmission

(When the Internet fax expansion kit is installed.)

This prohibits PC-I-Fax transmission.

Disable PC-Fax Transmission

(When facsimile expansion kit is installed.)

This prohibits PC-Fax transmission.

Own Name and Destination Set

Use this setting to enter the Internet fax address, fax number of the machine and the name of the user.
Click the [Own Name and Destination Set] tab and configure the settings.

Sender Data Registration

Use this to store the sender name for fax and Internet fax, the sender number for fax, and the sender address for Internet fax.
The stored sender name and fax sender number or Internet sender address will be printed at the top of the received fax.

Sender Name

Enter the sender name. A maximum of 20 characters can be entered for the sender name.

Sender Fax Number

This is used to set the sender fax number.
To insert a pause between digits of the number, select the [-] key.
To insert a space between digits of the number, select the [Space] key.

I-Fax Own Address

Enter a default sender address (maximum of 56 characters).

Registration of Own Name Select

(When the fax expansion kit is installed.)

Store sender names used in "Own Name Select" in the special modes. Up to 18 sender names can be stored.

Add New

Store a sender name. A maximum of 20 characters can be stored.
After entering a sender name, select the [Store] key. The lowest unused registration number from 01 to 18 will be automatically assigned to the sender name. This number cannot be changed.

Sender Name List

This shows a list of the stored sender names.
A sender name can be selected to delete it.

Scan Settings

Settings related to scanning can be configured. Select [System Settings] - [Image Send Settings] - [Scan Settings] in the menu bar, and configure the settings.

Scan Settings

Click the [Scan Settings] tab and configure the settings.

Default Sender Set

The information stored here is used if you do not specify [Reply-To] in the send settings when performing Scan to E-mail.

Sender Name
Enter a default sender name (maximum of 20 characters).

Reply E-mail Address
Enter a default reply address (maximum of 64 characters).

If only the sender name is stored, it will not be used as sender information.

Default Colour Mode Settings

Select a default colour mode setting for both colour and black & white in scan mode.

Black & White
Mono 2, Greyscale

Colour Mode
Auto (Mono 2, Greyscale*), Full Colour
* When scanning a black and white original with the colour mode set to [Auto].

Disable Change of B/W Setting in Auto Mode
This prohibits black & white settings from the base screen when the colour mode is set to Auto.

Initial File Format Setting

This is used to set the default file format for Scan to E-mail and USB memory mode when the e-mail address is entered manually by selecting the [Address Entry] key.

File Format
PDF, TIFF, JPEG (B/W:TIFF), Encrypt PDF, XPS

Black & White
Compression Mode: None, MH(G3), MMR(G4)

Colour/Greyscale
Compression Ratio: Low, Medium, High

Specified Pages per File
When multiple pages are scanned, this is used to generate a separate file for each scanned page (or specified number of pages).
When this setting is enabled, the number of pages per file can be specified.

Number of Pages
Any number of pages can be specified as the number of pages per file. This setting can be specified when [Specified Pages per File] is enabled.

When [JPEG] is selected for the file type, [Specified Pages per File] cannot be selected.

Compression Mode at Broadcasting

This is used to set the compression mode for broadcasting using Scan to E-mail or Internet fax. The compression mode set here is used for all destinations regardless of their individual compression mode settings.

Black & White
MH(G3), MMR(G4)

Colour/Greyscale
Low, Medium, High

Maximum Size of E-mail Attachments (E-mail)

To prevent the transmission of excessively large image files by Scan to E-mail, a file size limit can be set from 1 MB to 10 MB in increments of 1 MB. If the total size of the image files created by scanning the original exceeds the limit, the image files are discarded.
If you do not wish to set a limit, select [Unlimited].

This setting is linked to "Maximum Size of E-mail Attachments" (page 6-86) in the Internet Fax Send Settings.

Maximum Size of Data Attachments (FTP/Desktop/Network Folder)

A limit can be set for the size of files that can be sent by Scan to FTP, Scan to Desktop, and Scan to Network Folder. Limits that can be selected are 50 MB, 150 MB, and 300 MB. If the total size of the image files created by scanning the original exceeds the limit, the image files are discarded.
If you do not wish to set a limit, select [Unlimited].

When a broadcast transmission is performed that includes both e-mail and Internet fax destinations, the limit set in "Maximum Size of E-mail Attachments (E-mail)" (page 6-84) is given priority.

Bcc Setting

Enable Bcc
Enable this setting if you wish to use Bcc delivery. When the setting is enabled, the [Bcc] key will appear in the image send address book screen.

Display Bcc Address on the Job Status Screen
This displays Bcc addresses on the job status screen and address list tab.

Disable Scan Function

This is used to disable PC scan and USB memory scan. When these modes are disabled, they are greyed out when the mode is changed in the base screen.

Default Address

Click the [Default Address] tab and configure the settings.

Default Address Setting

A default address can be stored that makes it possible to transmit by simply pressing the [COLOUR START] key or the [BLACK & WHITE START] key without specifying an address.

- When this setting is enabled, the base screen changes to scan mode.
- Only a single default address can be set for Scan to E-mail, Scan to FTP, Scan to Desktop, and Scan to Network Folder.

I-Fax Settings

These settings are used to configure the default settings for Internet fax. Select [System Settings] - [Image Send Settings] - [I-Fax Settings] in the menu bar, and configure the settings.

These settings can be configured when the Internet fax expansion kit is installed.

Default Settings

Click the [Default Settings] tab and configure the settings.

Auto Wake Up Print

When the [POWER] key ( ) is "off" (but the main power switch is "on") and an Internet fax is received, this function activates the machine and prints the fax.
When this function is disabled, received Internet faxes are not printed until the [POWER] key ( ) is switched "on".

Compression Setting

This is used to set the default compression mode for Internet fax transmission.
The settings are shown below.
- MH (G3)
- MMR (G4)

Speaker Volume Setting

This is used to adjust the volume of fax receive signals and communication error signals heard through the speaker.
A fax receive signal sounds after the machine checks the mail server and retrieves received faxes. A communication error signal sounds when a delivery failed e-mail is received from the destination Internet fax machine.

Original Print on Transaction Report

When a transaction report is printed, this is used to print part of the first page of the transmitted original on the transaction report. Select one of the settings below.
- Print Out All Report
- Print Out Error Report Only
- No Printed Report

This setting will not be effective if "Transaction Report Print Select Setting" below is set to "No Printed Report".

Transaction Report Print Select Setting

This is used to select whether or not a transaction report will be printed, and if printed, the condition for being printed. Select a setting for each of the following operations:

Single Sending
- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Broadcasting
- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Receiving
- Print Out All Report
- Print Out Error Report Only
- No Printed Report

When a transaction report is printed, you can have part of the first page of the transmitted original printed on the transaction report. For more information, see "Original Print on Transaction Report".

Activity Report Print Select Setting

This is used to have the Image Sending Activity Report stored in the machine's memory automatically print at specified times. "Auto Print at Memory Full" and "Print Daily at Designated Time" can be configured. (The settings can be simultaneously enabled.)

Auto Print at Memory Full

The Image Sending Activity Report can be set to automatically print each time the number of transactions reaches 201.

Print Daily at Designated Time

It can also be set to automatically print at a specified time (once a day only).

- If you only enable the [Print Daily at Designated Time] setting ☑ and the number of recorded transactions exceeds 201 before the specified time, each new transaction will delete the oldest transaction (the oldest transaction will not be printed).
- The Image Sending Activity Report can also be printed manually. See "List Print (Administrator)" (page 6-90) in the system settings (administrator).

Body Text Print Select Setting

Image files attached to Internet faxes are normally printed. This setting can be enabled to also have the e-mail body text (subject and message) printed.
This setting also applies to printing of the body text of e-mail messages without file attachments.

A maximum of 5 pages of body text can be printed.

Send Settings

Click the [Send Setting] tab and configure settings for Internet Fax transmission.

I-Fax Reception Report On/Off Setting

This setting is used to request a reception report when an Internet fax is sent.
The reception report is returned to the sender address stored in "Own Name and Destination Set" (page 6-82).

I-Fax Reception Report Request Timeout Setting

The duration of time that the machine will wait for a reception report from the destination machine can be set by any number from 1 minute to 240 hours in increments of 1 minute.

This setting is only effective when "I-Fax Reception Report On/Off Setting" is enabled.

Number of Resend Times at Reception Error

The number of resend attempts when an error message is received from an I-Fax recipient can be set to any number from 0 to 15.

This setting is only effective when "I-Fax Reception Report On/Off Setting" is enabled.

Maximum Size of E-mail Attachments

To prevent the transmission of excessively large image files by Internet fax, a file size limit can be set from 1 MB to 10 MB in increments of 1 MB. If the total size of the image files created by scanning the original exceeds the limit, the image files are discarded.
If you do not wish to set a limit, select [Unlimited].

- This setting is linked to "Maximum Size of E-mail Attachments (E-mail)" (page 6-84) in the Scan Settings.
- This setting does not apply to the limit for direct SMTP transmission.

Rotation Sending Setting

When transmitting an image that is one of the following sizes, this function rotates the image counterclockwise 90 degrees. (The setting can be configured separately for each size.)
B5, A5, 5-1/2" x 8-1/2"

Printing Page Number at Receiver

When the transmitted image is printed by the receiving machine, the page number can be added to the top of each printed page.

Recall in Case of Line Busy

(This setting is only effective for Direct SMTP transmission.)

This program is used to set the number of recall attempts and the interval between recall attempts when a transmission is not successful due to the line being busy or other reason.

Number of Times to Recall When Line is Busy
This setting specifies whether or not recalling is performed when the line is busy. When recalling is performed, you can set the number of recall attempts. Any number from 0 to 15 can be selected.

Interval to Wait Between Recall Attempts (min.) When Line is Busy
The interval between recall attempts can be set. Any number of minutes from 1 to 15 can be selected.

Recall in Case of Communication Error

(This setting is only effective for Direct SMTP transmission.)

This determines how many times your machine will automatically re-attempt the call if a fax transmission fails due to a communication error.

Number of Times to Recall in Case of Error
Specify how many times the machine will re-attempt the call when a communication error occurs.
Any number from 0 to 15 can be selected.

Interval to Wait Between Recall Attempts (min.) in Case of Error
The interval between recall attempts can be set. Any number of minutes from 1 to 15 can be selected.

Receive Settings

Click the [Receive Settings] tab and configure settings for Internet Fax reception.

Auto Receive Reduce Setting

When a fax is received that includes printed information such as the sender's name and address, the received image is slightly larger than the standard size. This setting is used to automatically reduce the image to fit the standard size.

- If Auto Receive Reduce is disabled, the edges of the image outside the standard size will be cut off. However, the image will be clearer because it will be printed at the same size as the original.
- Standard sizes are sizes such as A4 and B5 (8-1/2" x 11" and 8-1/2" x 5-1/2").

Duplex Reception Setting

This is used to select whether or not received faxes are printed on both sides of the paper.
When this setting is enabled and a fax consisting of 2 or more pages is received (the pages must be the same size), the pages are printed on both sides of the paper.

Set Address for Data Forwarding

When the machine is unable to print a received fax, the fax can be forwarded to another machine. This setting is used to configure the address of the other machine.

Forwarding to
Enter the forwarding address (maximum of 64 characters).

Direct SMTP
Select this to enable forwarding when direct SMTP is used.

Add Hostname or IP Address.
Select this to separately enter a host name or IP address.

Hostname or IP Address
When "Add Hostname or IP Address." is enabled, use this setting to enter the host name or IP address (maximum of 64 characters).

Multiple forwarding addresses cannot be stored.

Letter Size RX Reduce Print

This program is not available in Canada and Philippines.
When a letter (8-1/2" x 11") size fax is received, this setting reduces the fax to A4 size.

When this setting is enabled, A4 size faxes are also reduced.

Receiving Date & Time Print

Enable this setting to have the date and time of reception printed.
Select [Inside the Received Image] or [Outside the Received Image] for the position where the date and time is printed.
When [Inside the Received Image] is selected, the date and time of reception is printed on the received image.
When [Outside the Received Image] is selected, the received image is reduced and the date and time of reception is printed in the blank area that results.

[Outside the Received Image] cannot be selected for the reception date and time print setting when "Auto Receive Reduce Setting" (page 6-87) is not enabled.

POP3 Communication Timeout Setting

The duration of time the machine waits until stopping reception when a response is not received from the mail server (POP3 server) can be set from 30 to 300 seconds in increments of 30 seconds.

Reception Check Interval Setting

This is used to specify the interval at which the machine automatically checks the mail server (POP3 server) for received Internet faxes. The interval can be set from 0 minutes to 8 hours in increments of 1 minute.
When 0 hours 0 minutes is specified, the machine does not automatically check the mail server for received Internet faxes.

The machine also checks the mail server (POP3 server) for received Internet faxes when the main power is switched on. (Except when 0 hours 0 minutes is specified.)

Allow/Reject Mail or Domain Name Setting

This setting is used to allow or refuse reception from specified addresses/domains.

Item	Description
Reject Reception	Reception from the stored address/domain is not allowed.
Allow Reception	Reception from the stored address/domain is allowed.
All Invalid	Reception from any address and domain is allowed, regardless of whether or not any addresses or domains have been stored.
Add New	Use this to add a new address or domain (maximum of 50) from which reception is to be rejected or allowed. Enter the address/domain (maximum of 64 characters) and select the [Store] key. If the first character of the entry is not "@", the entry is identified as an address. If the first character is "@", the entry is identified as a domain. (xxx@xx.xxx.com is treated as an address, and @xx.xxx.com is treated as a domain.) Storing an address specifies only that address. Storing a domain specifies all addresses that include that domain.
Registered address or domain list	This shows a list of the stored addresses and domains. An address or domain can be selected in this screen to delete it from the list.

When there are no stored anti junk mail addresses or domains, only the [Add New] key can be selected.

Print Hold Setting

Settings for Print Hold (Retention) can be configured. Select [System Settings] - [Print Hold Setting] from the menu bar and configure each setting.

Default Mode Settings

This is used to specify which mode, Sharing or Confidential, is used as the default mode when storing a file.
When [Confidential Mode] is selected, the [Confidential] checkbox in the information screen for filing will be selected .

Sort Method Setting

This setting is used to select the order in which of files stored in the Main Folder are displayed. Select one of the following settings:

- File Name
- User Name
- Date

Administrator Authority Setting

For files and user folders that have a password, this setting allows the administrator password to be entered instead of the password when accessing the file or folder.
The administrator can also change the password.

Batch Print Settings

When printing files by batch printing, this setting is used to prohibit the selection of the [All Users] key and the [User Unknown] key in the user selection screen.

Automatic Deletion of File Settings

Time setting can be configured to have files (stored by print hold (retention)) automatically deleted at a specified time. Up to 3 settings can be stored to be automatically deleted.
The procedure for using this function is as follows:

(1) Select one of [Setting 1] to [Setting 3].
(2) Set the time and date of automatic deletion.
(3) Specify whether or not protected files and confidential files are to be deleted, and then click the [Submit] button.
(4) Enable the stored settings, and then click the [Submit] button.

Item	Description
Schedule	Select the automatic deletion cycle. • Every Day: Auto deletion every day at the specified time. • Every Week: Auto deletion at the specified time on the specified day of the week. • Every Month: Auto deletion at the specified time on the specified day of the month.
Delete Protected File	Enable this setting to include protected files in the deletion.
Delete Confidential File	Enable this setting to include confidential files in the deletion.

Delete Now
Print Hold (Retention) data will be deleted immediately, regardless of the date and time setting.

List Print (Administrator)

This is used to print lists and reports that are only for use by the administrator of the machine. Select [System Settings] - [List Print (Administrator)] from the menu bar and configure each setting.

Administrator Settings List

Lists of the administrator settings for the following modes can be printed.

- Copy
- Print
- Image Send
- Print Hold
- Security
- Common
- All Administrator Settings List

Image Sending Activity Report

The following Image Sending Activity Reports can each be separately printed.

- Image Sending Activity Report (Scan)
- Image Sending Activity Report (Internet Fax)
- Image Sending Activity Report (Fax)

Data Receive/Forward List

The following lists showing reception settings and forwarding settings can be printed.

- Anti Junk Fax Number List
- Anti Junk Mail/Domain Name List
- Inbound Routing List
- Document Admin List

Web Settings List

(When network connection is enabled.)

This prints a list of the settings that are configured in the Web pages.

Metadata Set List

(When the application integration module is installed.)

This prints a list of the metadata sets stored in the Web pages.

Sharp OSA Settings

Select [System Settings] - [Sharp OSA Settings] from the menu bar and configure each setting.

Animation Play Speed Setting

Set the playing speed of the animation in the Sharp OSA application.
The following settings can be configured.

- Standard
- High

When "High" is selected, the machine's job processing speed (for print and other jobs) may become slower. If you wish to give priority to job processing speed, select "Standard". Note that this setting ("High" or "Standard") does not change the animation playing speed when the machine is not processing a print job.

Enable/Disable Settings

The following settings are used to prohibit the use of certain functions. Select [System Settings] - [Enable/Disable Settings] from the menu bar and configure each setting.

The Enable/Disable Settings control the same parameters as the enable/disable settings in other settings. The settings are linked together (changing one setting changes the other).

Printer Condition Settings

Disable Blank Page Print
This setting is used to disable blank page printing.

User Control

Disabling of Printing by Invalid User
Printing by users whose information is not stored in the machine, such as printing without entering valid user information in the printer driver or printing of a file on an FTP server from the Web pages, can be prohibited.

Operation Settings

Cancel Auto Clear Timer
This setting is used to disable Auto Clear.

Disabling of Job Priority Operation
The job priority function can be disabled. When this is done, the [Priority] key will not appear in the job status screen.

Disabling of Bypass Printing
This setting is used to disable bypass printing (printing other jobs ahead of a job that has been stopped* because the paper required for the job is not in any of the trays).

* This does not include cases where the paper ran out during the job.

Disable Auto Key Repeat
This setting is used to disable the auto key repeat function.

Disabling of Clock Adjustment
This setting is used to prohibit changing of the date and time.

Device Control

Disabling of Document Feeder
Use this setting to prohibit the use of the automatic document feeder, such as when the feeder malfunctions. (When the setting is enabled, scanning is still possible using the document glass.)

Disabling of Duplex
This is used to disable two-sided printing, such as when the duplex module malfunctions.

Disabling of Optional Paper Feed Unit
(When a 500-sheet paper feed unit is installed.)
This setting is used to disable a 500-sheet paper feed unit, such as when it malfunctions.

Disabling of Tray Setting
This setting is used to prohibit tray settings.

Disabling of Offset
(When a finisher is installed.)
This setting is used to disable the offset function.

Disabling of Stapler
(When a finisher is installed.)
This setting is used to prohibit stapling, such as when the stapler unit of the finisher malfunctions.

Disabling of Colour Mode
(When a colour-related problem has occurred.)
When a colour-related problem has occurred and printing is not possible, the use of colour mode can be temporarily prohibited. Black & white printing will still be allowed.

This function is only for use as an emergency measure. Once this setting is enabled, only a service technician can cancel the setting. Promptly contact your dealer or nearest authorised service representative to have a service technician cancel the setting and resolve the colour-related problem.

Copy Function Settings

Disabling Deletion of Job Programs
This is used to prohibit the deletion and changing of copy settings stored in job programs.

Disabling of Bypass-Tray in Duplex Copy
This is used to prohibit the use of the bypass tray when making two-sided copies.
The bypass tray is often used to feed label sheets, transparency film, and other special media for which two-sided copying is prohibited. If a sheet of one of these special media enters the reversing unit, a misfeed or damage to the unit may result. If special media for which two-sided copying is prohibited is often used, it is recommended that you enable this setting.

Disabling of Auto Paper Selection
This setting is used to disable the Auto Paper Selection function.
When this setting is enabled, automatic selection of paper that is the same size as the original on the document glass or in the automatic document feeder does not take place.

Printer Settings

Prohibit Notice Page Printing
This setting is used to disable printing of notice pages.

Prohibit Test Page Printing
This setting is used to disable printing of test pages.
When this setting is enabled, "Printer Test Page" in the system settings cannot be used to print test pages.

Exclude Bypass-Tray from Auto Paper Select
When [Auto] is selected for paper type selection, the bypass tray can be excluded from the trays that can be selected. This is recommended when special paper is often placed in the bypass tray.

Image Send Settings

Disable Switching of Display Order
This is used to prohibit changes to the order of display (search number order, ascending, descending) in the address book.
When this setting is enabled, selecting a tab on the address book screen does not change the order. The currently selected display order will be the order that is used after the setting is selected.

Disable Scan Function
This is used to disable PC scan and USB memory scan. When these modes are disabled, they are greyed out when the mode is changed in the base screen.

Settings to Disable Registration

Disable Registering Destination on Web Page
(When network connection is enabled.)
This disables address control from the Web pages.
- Group (Direct Entry)
- Group (Address Book)
- Individual

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration of Program
This prohibits the use of the address book when a program is stored.
Configure the setting for each of the following items:
- E-mail
- FTP
- Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration of Memory Box
(When the fax expansion kit is installed.)
Disable all types of memory box registration.
Configure the setting for each of the following items:
- Polling Memory
- Confidential
- Relay Broadcast (Direct Entry)
- Relay Broadcast (Address Book)

Select All: Select all items.
Clear Checked: Clear all selections.

Disable Registration Using Network Scanner Tools
(When network connection is enabled.)
This disables address control from the Network Scanner Tool.

Settings to Disable Transmission

These settings are used to disable the following transmission operations.

Disable [Resend] on Image Send Mode

This setting disables the [Resend] key in the base screen of image send mode.

Disable Selection from Address Book

This disables the selection of destinations from the address book.

Configure the setting for each of the following items:

- E-mail
- FTP
- Desktop
- Network Folder
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.

Clear Checked: Clear all selections.

Disable Direct Entry

This prohibits the direct entry of addresses.

Configure the setting for each of the following items:

- E-mail
- Internet Fax (Including Direct SMTP)
- Fax

Select All: Select all items.

Clear Checked: Clear all selections.

Disable PC-I-Fax Transmission

(When the Internet fax expansion kit is installed.)

This prohibits PC-I-Fax transmission.

Disable PC-Fax Transmission

(When the facsimile expansion kit is installed.)

This prohibits PC-Fax transmission.

Print Hold Setting

Batch Print Settings

When printing files by batch printing, this setting is used to prohibit the selection of the [All Users] key and the [User Unknown] key in the user selection screen.

Product Key

The procedures for entering the product keys of the expansion kits are explained below. Select [System Settings] - [Product Key] from the menu bar and configure each setting.

- It may not be possible to use some settings, depending on the peripheral devices installed.
- For the product key to be entered, contact your dealer.

Serial Number

This displays the serial number that is required to obtain the product key.

Internet Fax Expansion Kit

Enter the product key of the Internet fax expansion kit.

E-mail Alert and Status

Enter the product key of e-mail alert and status.

Application Integration Module

Enter the product key of the application integration module.

Application Communication Module

Enter the product key of the application communication module.

External Account Module

Enter the product key of the external account module.

XPS Expansion Kit

Enter the product key of the XPS expansion kit.

Storing/Calling of System Settings

The current system settings can be stored, previously stored system settings can be retrieved, and the factory default system settings can be restored. Select [System Settings] - [Storing/Calling of System Settings] from the menu bar and configure each setting.

Restore Factory Defaults

This is used to return the system settings to the factory default settings. If you wish to create a record of the current settings before restoring the factory default settings, print the current settings using "List Print (Administrator)" (page 6-90) in the system settings (administrator).

When settings are changed, the changes will take effect after the machine is restarted. To restart the machine see "TURNING THE POWER ON AND OFF" (page 1-14) in "1. BEFORE USING THE MACHINE ".

Store Current Configuration

This is used to store the currently configured system settings. The stored settings will be retained even if the [POWER] key ( ) is turned off. To retrieve the stored settings, use "Restore Configuration" below.

Items not stored

- Network Settings: These are not stored as unexpected settings may cause damage to the network.
- Product Keys: Product Keys are not stored as reissue of keys may be necessary.

Restore Configuration

Use this to restore settings stored with "Store Current Configuration".
The current settings will change to the retrieved settings.

Contents

FAX SYSTEM SETTINGS ON THE OPERATION PANEL

This section explains system settings for fax that can be configured on the operation panel.
The system settings for the fax function can only be configured when the facsimile expansion kit is installed.

System Settings for Fax (General) List

When the system settings for fax are accessed with general rights, the following items appear. For items that can only be accessed with administrator rights, see "System Settings for Fax (Administrator) List" (page 6-99).

Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.

Fax Data Receive/Forward

Item	Factory default setting	Page
■ Fax Data Receive/Forward		6-98
● Fax Settings		6-98
▶ Receive Setting	Auto Reception	
▶ Multiple Set Print	Disabled	
▶ Staple*	Disabled	
▶ Forward Received Data	–	

* When a finisher is installed.

Fax Data Receive/Forward

This section explains settings for reception and forwarding.

Fax Settings

The following items appear when the "Fax Settings" are configured.

Item	Description
Receive Setting	Set the fax reception method. • Auto Reception: When a call comes in, the machine rings and then automatically begins fax reception. • Manual Reception: This can be used when an existing extension phone is connected to the machine. Fax reception is begun by manual operation after answering on the extension phone.
Multiple Set Print	Specify whether or not two or more copies of received faxes will be printed. The number of copies is set in "Fax Output Settings", (page 6-106).
Staple	Specify whether or not stapling is performed. (Only when a finisher is installed.)
Forward Received Data	When the machine cannot print because it is out of paper or out of toner, received faxes can be forwarded to another previously stored fax machine.

- If some pages of a fax that is being forwarded were successfully printed, only those pages that were not printed will be forwarded.
- A forwarded fax becomes a fax transmission job. If transmission does not take place because the transmission was cancelled or an error occurred, the fax will be held in memory until it can be printed.
- All faxes received are forwarded. Note, however, that faxes received to an F-code confidential memory box cannot be forwarded.
- To store a forwarding fax number, see "Set the Telephone Number for Data Forwarding" (page 6-105) in the system settings (administrator).
- Forwarding is not possible if no faxes were received or a forwarding fax number is not programmed.
- If "Hold Setting for Received Data Print" (page 6-35) is enabled in the system settings (administrator) in Web page menu, you will be prompted to enter a password. Enter the correct password with the numeric keys.

System Settings for Fax (Administrator) List

When the system settings for fax are accessed with administrator rights, the following items appear. For information on the general settings, see "System Settings for Fax (General) List" (page 6-97).

- For the procedure for using the system settings (administrator), see "Accessing the System Settings (Administrator)" (page 6-17).
- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.

Image Send Settings

Item	Factory default setting	Page
■ **Image Send Settings**		6-101
● Fax Settings		6-101
▶ Fax Default Settings		6-101
◆ Dial Mode Setting*	Tone	6-101
◆ Auto Wake Up Print	Enabled	6-101
◆ Pause Time Setting	Varies depending on country and region	6-101
◆ Fax Dest. Confirmation Mode	Disabled	6-101
◆ Speaker Settings		6-101
• Speaker	Volume: 5	
• Ringer Volume	Volume: 5	
• Line Monitor	Volume: 5	
• Fax Receive Complete Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 3 sec.	
• Fax Send Complete Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 3 sec.	
• Fax Communication Error Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 0.3 sec. each	
◆ Remote Reception Number Setting	5	6-101
◆ Original Print on Transaction Report	Print Out Error Report Only	6-102

Item	Factory default setting	Page
◆ Transaction Report Print Select Setting		6-102
• Single Sending	Print Out Error Report Only	
• Broadcasting	Print Out All Report	
• Receiving	No Printed Report	
• Confidential Reception	Print Out Notice Page	
◆ Activity Report Print Select Setting		6-102
• Auto Print at Memory Full	Disabled	
• Print Daily at Designated Time	Disabled	
◆ ECM	Enabled	6-102
◆ Distinctive Ring Detection*	Off	6-102
◆ PBX Setting*	Disabled	6-102
▶ Fax Send Settings		6-103
◆ Rotation Sending Setting	All Enabled	6-103
◆ Quick On Line Sending	Enabled	6-103
◆ Printing Page Number at Receiver	Enabled	6-103
◆ Date/Own Number Print Position Setting	Outside the Original Image	6-103
◆ Recall in Case of Line Busy	See "Country Differentiation Table" (page 6-104).	6-104
◆ Recall in Case of Communication Error	See "Country Differentiation Table" (page 6-104).	6-104
▶ Fax Receive Settings		6-105
◆ Number of Calls in Auto Reception	2	6-105
◆ Switching from Manual to Automatic Reception*	Disabled	6-105
◆ Duplex Reception Setting	Disabled	6-105
◆ Auto Receive Reduce Setting	Enabled	6-105
◆ Print Style Setting	Auto Size Select	6-105
◆ Set the Telephone Number for Data Forwarding	–	6-105
◆ Letter Size RX Reduce Print*	Disabled	6-106
◆ Receiving Date & Time Print	Disabled	6-106
◆ Fax Output Settings	Varies depending on the machine configuration	6-106
▶ Allow/Reject Number Setting	All disabled	6-106
▶ Fax Polling Security	Enabled	6-106

* This function is not available in some countries and regions.

Image Send Settings

Settings related to the image send function (scan, Internet fax, etc.) can be configured. Select the [Image Send Settings] key to configure the settings.

Fax Settings

Fax Default Settings

The fax settings can be enabled or disabled to suit the needs of your workplace.

Dial Mode Setting

This setting can only be activated in Canada.
Select the appropriate setting for your telephone line type.

Dial Mode Setting
Select the line type from the list.

Auto Select
Select this after the line has been connected to have the machine automatically detect whether your line is a pulse dial line or a tone dial line.

Auto Wake Up Print

When the [POWER] key (⏻) is "off" (but the main power switch is "on") and a fax is received, this function automatically activates the machine and prints the fax. When this function is disabled, received faxes are not printed until the [POWER] key (⏻) is switched "on".

Pause Time Setting

Use this to change the length of pauses inserted in fax numbers.
If a hyphen "-" is entered when dialling or storing a fax number, a pause of 2 seconds is inserted.
The pause can be changed to any number of seconds from 1 to 15.

* Note that in South Africa, the machine is normally set to 4 seconds.

Fax Dest. Confirmation Mode

This setting specifies whether or not a destination verification message is displayed when sending a fax in order to prevent accidental transmission to the wrong destination.

Speaker Settings

Use these settings to set the sound heard from the speaker for the Speaker, Ringer Volume, Line Monitor, Fax Receive Complete Signal, Fax Send Complete Signal, and Fax Communication Error Signal. For the Fax Receive Complete Signal, the Fax Send Complete Signal, and the Fax Communication Error Signal, the Tone Pattern and Transmission Complete Sound Time Setting can be selected in addition to the volume.

Check on Setup Sounds
Use this to check the selected tone pattern and volume.

Remote Reception Number Setting

Fax reception can be activated from an extension phone connected to the machine by entering a 1-digit number and pressing the ✳ key twice on the phone's keypad. This number is called the remote reception number, and you can set it to any number from "0" to "9".

Original Print on Transaction Report

When a transaction report is printed for a memory transmission, this is used to print part of the first page of the transmitted original on the transaction report. Select one of the settings below.

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

This setting will not be effective if "Transaction Report Print Select Setting" below is set to "No Printed Report".

Transaction Report Print Select Setting

This is used to select whether or not a transaction report will be printed, and if printed, the condition for being printed. Select a setting for each of the following operations:

Single Sending

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Broadcasting

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Receiving

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Confidential Reception

- Print Out Notice Page
- No Printed Report

When a transaction report is printed, you can have part of the first page of the transmitted original printed on the transaction report. For more information, see "Original Print on Transaction Report".

When transaction report printing is set for "Receiving", a report will not be printed for a reception from a number specified as a reject number in "Allow/Reject Number Setting" (page 6-106).

Activity Report Print Select Setting

This is used to have the Image Sending Activity Report that is stored in the machine's memory printed at regular intervals.

The Image Sending Activity Report can be set to automatically print each time the number of transactions reaches 201, and it can also be set to automatically print at a specified time (once a day only). (The settings can be simultaneously enabled.)

- If you only select the "Print Daily at Designated Time" setting and the number of recorded transactions exceeds 201 before the specified time, each new transaction will delete the oldest transaction (the oldest transaction will not be printed).
- The Image Sending Activity Report can also be printed manually. See "List Print (Administrator)" (page 6-37).

ECM

Line conditions can sometimes distort a transmitted fax image. When ECM (Error Correction Mode) is turned on, pages that are distorted are automatically re-transmitted.

If the other machine supports Super G3, ECM will function regardless of this setting.

Distinctive Ring Detection

This Setting can only be activated in Canada, Australia, New Zealand, and Hong Kong.

If multiple telephone numbers have been assigned to your telephone line, the number called can be identified by its ringing pattern. By using one number for voice calls and another number for faxes, you can tell which type of call you are receiving by the ringing pattern. You can set your machine to automatically receive faxes when your fax number is called by setting the pattern that corresponds to your fax number. (Note that in Canada, six selections are available.)

PBX Setting

This Setting can only be activated in France and Germany.

When the machine is used on a PBX, you can enable the PBX setting to have the machine automatically connect to the outside line. When this setting is enabled, the [R] key appears in the base screen. When the [R] key is selected, the PBX setting is temporarily cancelled. If your PBX uses the Flash method to connect to the outside line, select the [Flash]. If your PBX uses an ID number to connect to the outside line, specify the ID number.

Select a number for the first digit and then a number or a hyphen "-" for the second and third digits.

Fax Send Settings

Settings for fax transmission can be configured.

Rotation Sending Setting

When transmitting an image that is one of the following sizes, this function rotates the image counterclockwise 90 degrees. (The setting can be configured separately for each size.)
B5, A5, 5-1/2" x 8-1/2"

Quick On Line Sending

When this setting is enabled, the machine starts transmitting a fax as soon as the first page is scanned. Transmission takes place at the same time as the remaining pages are being scanned.
If you disable this setting, transmission will not begin until all pages have been scanned. Note that this setting does not apply to manual transmission.

Printing Page Number at Receiver

This setting is used to add the page number to the top of each fax page printed by the receiving machine.

Date/Own Number Print Position Setting

This setting determines the position of the date and sender information printed at the top of faxes by the receiving machine. To have the information printed outside the transmitted document image, select the [Outside the Original Image] key. To have the information printed inside the document image, select [Inside the Original Image] key.
For more information on the print position, see "ADDING YOUR SENDER INFORMATION TO FAXES (Own number sending)" (page 4-90) in "4. FACSIMILE".

Recall in Case of Line Busy

This program is used to set the number of recall attempts and the interval between recall attempts when a transmission is not successful due to the line being busy or other reason.

Number of Times to Recall When Line is Busy
This setting specifies whether or not recalling is performed when the line is busy. When recalling is performed, you can set the number of recall attempts.

Interval to Wait Between Recall Attempts (min.) When Line is Busy
The interval between recall attempts can be set.

The number of recall attempts and the interval between attempts that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of recall attempts	The interval between attempts
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia	1 to 10 (default: 2)	any number of minutes from 1 to 15 (default: 3)
Canada	1 to 14 (default: 2)	
Australia, New Zealand, Singapore, Thailand, Malaysia, India, Philippines	1 to 9 (default: 2)	
Hong Kong	1 to 3 (default: 2)	
Taiwan	1 to 15 (default: 2)	any number of minutes from 4 to 15 (default: 4)
Indonesia	1 to 5 (default: 2)	

When this setting is enabled, note that your machine will not re-attempt a call when manual transmission or direct transmission is used.

Recall in Case of Communication Error

This determines how many times your machine will automatically re-attempt the call if a fax transmission fails due to a communication error.

Number of Times to Recall in Case of Error
Specify how many times the machine will re-attempt the call when a communication error occurs.

Interval to Wait Between Recall Attempts (min.) in Case of Error
The interval between recall attempts can be set.

The number of recall attempts and the interval between attempts that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of recall attempts	The interval between attempts
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia	1 to 5 (default: 1)	any number of minutes from 1 to 15 (default: 1)
Australia, New Zealand, Canada	1 attempt	any number of minutes from 1 to 15 (default: 3)
Singapore, Thailand, Malaysia, India, Philippines	1 to 9 (default: 2)	any number of minutes from 1 to 15 (default: 1)
Hong Kong	1 to 3 (default: 2)	
Taiwan	1 to 15 (default: 2)	
Indonesia	1 to 5 (default: 2)	any number of minutes from 4 to 15 (default: 4)

When this setting is enabled, note that your machine will not re-attempt a call when manual transmission or direct transmission is used.

Fax Receive Settings

Settings for fax reception can be configured.

Number of Calls in Auto Reception

This setting is used to select the number of rings on which the machine automatically receives a call and begins fax reception in auto reception mode.

The "Number of Calls in Auto Reception" that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of rings
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Thailand, Hong Kong, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia, Philippines, Indonesia	0 to 9
Australia, New Zealand	2 to 4
Singapore	0 to 3
Malaysia, India, Canada, Taiwan	0 to 15

If you select "0" for the number of rings, the machine will immediately answer and begin fax reception without ringing in auto reception mode.

Switching from Manual to Automatic Reception

This setting can only be activated in France.
When a fax is received in manual reception mode, you have have the machine automatically switch to auto reception. The number of rings on which switching to auto reception takes place can be set to any number from 1 to 9.

Duplex Reception Setting

This is used to have received faxes printed on both sides of the paper.
When this setting is enabled and a fax consisting of 2 or more pages is received (the pages must be the same size), the pages are printed on both sides of the paper.

Auto Receive Reduce Setting

When a fax is received that includes the sender's name and number, the received image is slightly larger than the standard size. This setting is used to automatically reduce the image to fit the standard size.

- If Auto Receive Reduce is disabled, the edges of the image outside the standard size will be cut off. However, the image will be clearer because it will be printed at the same size as the original.
- Standard sizes are sizes such as A4 and B5 (8-1/2" x 11" and 8-1/2" x 5-1/2").

Print Style Setting

This setting determines the paper selection condition when printing received faxes. Select one of the three conditions below.

Print Actual Size Cut off Enabled
Each received image is printed at full size. If necessary, the image is divided onto multiple sheets of paper.

Auto Size Select
Each received image is printed at full size when possible. When not possible, the image is automatically reduced before printing.

Set the Telephone Number for Data Forwarding

When a problem prevents the machine from printing a received fax, the received fax can be forwarded to another fax machine. This setting is used to program the fax number of the destination fax machine. Only one forwarding fax number can be programmed (maximum of 64 digits).
To insert a pause between digits of the number, select the [-] key.
If you wish to specify an F-code confidential memory box in the destination machine, select the [/] key after entering the fax number and enter the F-code (sub-address and passcode).

Letter Size RX Reduce Print

This program is not available in Canada and Philippines.
When a letter (8-1/2" x 11") size fax is received, this setting reduces the fax to A4 size.

When this setting is enabled, A4 size faxes are also reduced.

Receiving Date & Time Print

Enable this setting to have the date and time of reception printed.
Select [Inside the Received Image] or [Outside the Received Image] for the position where the date and time is printed.
When [Inside the Received Image] is selected, the date and time of reception is printed on the received image.
When [Outside the Received Image] is selected, the received image is reduced and the date and time of reception is printed in the blank area that results.

[Outside the Received Image] cannot be selected for the reception date and time print setting when "Auto Receive Reduce Setting" (page 6-105) is not enabled.

Fax Output Settings

These settings are used to select the number of copies for received faxes.

Number of Prints
Set the number of copies of received faxes that are printed to any number from 1 to 99.

This setting can only be used when the [Multiple Set Print] checkbox is selected in "Fax Settings" (page 6-98).

Allow/Reject Number Setting

Use this setting to specify whether reception from a stored number is to be allowed or rejected.

Item	Description
Reject Reception	Reject reception from the stored number.
Allow Reception	Allow reception from the stored number.
All Invalid	Even if numbers have been stored, disregard the numbers and allow reception from all numbers.
Add New	Store a new number for which allow or reject will be specified (maximum of 50 numbers). Enter the number (maximum of 20 digits) and select the [Store] key.
Registration Number List	A list of the stored numbers can be displayed. A number can be selected in this screen to delete it from the list.

When no numbers have been stored for allow/reject specification, no keys other than [Add New] can be selected.

Fax Polling Security

The following settings are for regular polling memory using the Public Box.

Set Fax Polling Security
When the memory polling function is used, this setting determines whether any machine will be allowed to poll your machine, or only machines that have been stored in your machine.

Add New
When the Polling Security Setting is enabled, use this setting to store (or delete) the fax numbers of the machines that are allowed to poll your machine. The stored fax numbers are called passcode numbers. Up to 10 passcode numbers can be stored (maximum of 20 digits each).

Passcode Number Key List
This shows a list of the stored passcode numbers. A number can be selected to delete it.

Note that these settings do not apply to F-code polling memory.

FAX SYSTEM SETTINGS IN THE WEB PAGE

This section explains system settings for fax that can be configured in the Web page.
The system settings for the fax function can only be configured when the facsimile expansion kit is installed.

System Settings for Fax (General) List

When the system settings for fax are accessed with general rights, the following items appear. For items that can only be accessed with administrator rights, see "System Settings for Fax (Administrator) List" (page 6-110).

Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.

F-Code Memory Box

Item	Factory default setting	Page
■ F-Code Memory Box		6-108

Fax Data Receive/Forward

Item	Factory default setting	Page
■ Fax Data Receive/Forward		6-109
● Fax Settings		6-109
▶ Receive Setting	Auto Reception	
▶ Multiple Set Print	Disabled	
▶ Staple*	Disabled	

* When a finisher is installed.

F-Code Memory Box

This section explains how to store memory boxes for various types of F-code communication.
Select [System Settings] - [F-Code Memory Box] from the menu bar and configure each setting.

Storing a memory box

Select the [Add] key in the above screen to open a registration screen. A total of 100 F-code memory boxes for all functions (polling memory, confidential, and relay broadcast) can be stored.
For information on the settings, see "Settings" (page 6-108).

Editing and deleting a memory box

To open an edit screen for a memory box, select the box name from the displayed list. To open a delete screen for a memory box, select the checkbox (☑) next to the box name and select [Delete].

Settings

Item	Description
Items common to all types	
Box Type	Select the type of box. • Polling Memory: Store a memory box for F-code polling memory. The sub-address and passcode that you program in the memory box are necessary for the other machine to poll your machine (request transmission) using F-code communication. • Confidential: Store a memory box for F-code confidential reception. In addition, store a "Print PIN" in the memory box to print faxes received by confidential reception. The sub-address and passcode that you program in the memory box are necessary for the other machine to send a fax to your machine by F-code confidential transmission. • Relay Broadcast: Store a memory box for F-code relay broadcast transmission. Store the fax numbers of the end recipients (up to 30) in the memory box. The sub-address and passcode that you program in the memory box are necessary for the other machine to perform an F-code relay request transmission (ask your machine to relay a fax).
Memory Box Name	Enter a name (maximum of 18 characters) for the memory box.
Sub Address / Passcode	Enter a sub-address and passcode. A maximum of 20 digits can be entered for each. Separate a sub-address and passcode by a slash ("/").
Items displayed when storing a confidential memory box	
Print PIN	Set a "Print PIN" for confidential reception. Enter a 4-digit number.

Item	Description
Items displayed when storing a relay broadcast memory box	
Recipients	Select the end recipients of the relay broadcast. Select the recipients from the address book. • Direct Entry: An address that is not stored in the address book can be directly entered. Enter the address in the same way as when storing an address for a mode. • Address Review: This displays a list of the selected recipients. Addresses can be deleted from this list if needed.

- When programming a new memory box, a sub-address that is already programmed for another box cannot be used. However, the same passcode can be used for more than one memory box.
- A passcode can be omitted.
- [✳] and [#] cannot be used in a sub-address.
- Do not forget the Print PIN. In the event that you forget the Print PIN or need to verify the Print PIN, contact your dealer or nearest authorised service representative.

Fax Data Receive/Forward

This section explains settings for reception and forwarding. Select [System Settings] - [Fax Data Receive/Forward] from the menu bar and configure each setting.

Fax Settings

The following items appear when the "Fax Settings" are configured.

Item	Description
Receive Setting	Set the fax reception method. • Auto Reception: When a call comes in, the machine rings and then automatically begins fax reception. • Manual Reception: This can be used when an existing extension phone is connected to the machine. Fax reception is begun by manual operation after answering on the extension phone.
Multiple Set Print	Specify whether or not two or more copies of received faxes will be printed. The number of copies is set in "Fax Output Settings", (page 6-117).
Staple	Specify whether or not stapling is performed. (Only when a finisher is installed.)

If "Hold Setting for Received Data Print" (page 6-35) is enabled, you will be prompted to enter a password. Enter the correct password with the numeric keys.

System Settings for Fax (Administrator) List

When the system settings for fax are accessed with administrator rights, the following items appear. For information on the general settings, see "System Settings for Fax (General) List" (page 6-107).

- For the procedure for using the system settings (administrator), see "Accessing the System Settings (Administrator)" (page 6-17).
- After configuring certain settings, you may be prompted to restart the machine. Restart the machine in the screen that appears.
- Depending on the machine specifications and peripheral devices installed, it may not be possible to use some settings.

Image Send Settings

Item	Factory default setting	Page
■ Image Send Settings		6-112
● Fax Settings		6-112
▶ Default Settings		6-112
◆ Dial Mode Setting*	Tone	6-112
◆ Auto Wake Up Print	Enabled	6-112
◆ Pause Time Setting	Varies depending on country and region	6-112
◆ Fax Dest. Confirmation Mode	Disabled	6-112
◆ Speaker Settings		6-112
• Speaker	Volume: 5	
• Ringer Volume	Volume: 5	
• Line Monitor	Volume: 5	
• Fax Receive Complete Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 3 sec.	
• Fax Send Complete Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 3 sec.	
• Fax Communication Error Signal	Volume: 5; Tone Pattern: 3 Transmission Complete Sound Time Setting: 0.3 sec. each	
◆ Remote Reception Number Setting	5	6-112
◆ Original Print on Transaction Report	Print Out Error Report Only	6-113

Item	Factory default setting	Page
◆ Transaction Report Print Select Setting		6-113
• Single Sending	Print Out Error Report Only	
• Broadcasting	Print Out All Report	
• Receiving	No Printed Report	
• Confidential Reception	Print Out Notice Page	
◆ Activity Report Print Select Setting		6-113
• Auto Print at Memory Full	Disabled	
• Print Daily at Designated Time	Disabled	
◆ ECM	Enabled	6-113
◆ Distinctive Ring Detection*	Off	6-113
◆ PBX Setting*	Disabled	6-114
▶ Send Settings		6-114
◆ Rotation Sending Setting	All Enabled	6-114
◆ Quick On Line Sending	Enabled	6-114
◆ Printing Page Number at Receiver	Enabled	6-114
◆ Date/Own Number Print Position Setting	Outside the Original Image	6-114
◆ Recall in Case of Line Busy	See "Country Differentiation Table" (page 6-115).	6-115
◆ Recall in Case of Communication Error	See "Country Differentiation Table" (page 6-115).	6-115
▶ Receive Settings		6-116
◆ Number of Calls in Auto Reception	2	6-116
◆ Switching from Manual to Automatic Reception*	Disabled	6-116
◆ Duplex Reception Setting	Disabled	6-116
◆ Auto Receive Reduce Setting	Enabled	6-116
◆ Print Style Setting	Auto Size Select	6-116
◆ Set the Telephone Number for Data Forwarding	–	6-116
◆ Letter Size RX Reduce Print*	Disabled	6-117
◆ Receiving Date & Time Print	Disabled	6-117
◆ Fax Output Settings	Varies depending on the machine configuration	6-117
▶ Allow/Reject Number Setting	All disabled	6-117
▶ Fax Polling Security	Enabled	6-117

* This function is not available in some countries and regions.

Image Send Settings

Settings related to the image send function (scan, Internet fax, etc.) can be configured.

Fax Settings

Select [System Settings] - [Image Send Settings] - [Fax Settings] in the menu bar, and configure the settings.

Default Settings

Fax settings can be enabled or disabled as needed to suit the needs of your workplace by clicking the [Default Settings] tab.

Dial Mode Setting

This setting can only be activated in Canada.
Select the appropriate setting for your telephone line type.

Dial Mode Setting
Select the line type from the list.

Auto Select
Select this after the line has been connected to have the machine automatically detect whether your line is a pulse dial line or a tone dial line.

Auto Wake Up Print

When the [POWER] key (⏻) is "off" (but the main power switch is "on") and a fax is received, this function automatically activates the machine and prints the fax. When this function is disabled, received faxes are not printed until the [POWER] key (⏻) is switched "on".

Pause Time Setting

Use this to change the length of pauses inserted in fax numbers.
If a hyphen "-" is entered when dialling or storing a fax number, a pause of 2 seconds is inserted.
The pause can be changed to any number of seconds from 1 to 15.

* Note that in South Africa, the machine is normally set to 4 seconds.

Fax Dest. Confirmation Mode

This setting specifies whether or not a destination verification message is displayed when sending a fax in order to prevent accidental transmission to the wrong destination.

Speaker Settings

Use these settings to set the sound heard from the speaker for the Speaker, Ringer Volume, Line Monitor, Fax Receive Complete Signal, Fax Send Complete Signal, and Fax Communication Error Signal. For the Fax Receive Complete Signal, the Fax Send Complete Signal, and the Fax Communication Error Signal, the Tone Pattern and Transmission Complete Sound Time Setting can be selected in addition to the volume.

Remote Reception Number Setting

Fax reception can be activated from an extension phone connected to the machine by entering a 1-digit number and pressing the ✱ key twice on the phone's keypad. This number is called the remote reception number, and you can set it to any number from "0" to "9".

Original Print on Transaction Report

When a transaction report is printed for a memory transmission, this is used to print part of the first page of the transmitted original on the transaction report. Select one of the settings below.

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

This setting will not be effective if "Transaction Report Print Select Setting" below is set to "No Printed Report".

Transaction Report Print Select Setting

This is used to select whether or not a transaction report will be printed, and if printed, the condition for being printed. Select a setting for each of the following operations:

Single Sending

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Broadcasting

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Receiving

- Print Out All Report
- Print Out Error Report Only
- No Printed Report

Confidential Reception

- Print Out Notice Page
- No Printed Report

When a transaction report is printed, you can have part of the first page of the transmitted original printed on the transaction report. For more information, see "Original Print on Transaction Report".

When transaction report printing is set for "Receiving", a report will not be printed for a reception from a number specified as a reject number in "Allow/Reject Number Setting" (page 6-117).

Activity Report Print Select Setting

This is used to have the Image Sending Activity Report that is stored in the machine's memory printed at regular intervals.

The Image Sending Activity Report can be set to automatically print each time the number of transactions reaches 201, and it can also be set to automatically print at a specified time (once a day only). (The settings can be simultaneously enabled.)

- If you only select the "Print Daily at Designated Time" setting ☑ and the number of recorded transactions exceeds 201 before the specified time, each new transaction will delete the oldest transaction (the oldest transaction will not be printed).
- The Image Sending Activity Report can also be printed manually. See "List Print (Administrator)" (page 6-37).

ECM

Line conditions can sometimes distort a transmitted fax image. When ECM (Error Correction Mode) is turned on, pages that are distorted are automatically re-transmitted.

If the other machine supports Super G3, ECM will function regardless of this setting.

Distinctive Ring Detection

This Setting can only be activated in Canada, Australia, New Zealand, and Hong Kong.

If multiple telephone numbers have been assigned to your telephone line, the number called can be identified by its ringing pattern. By using one number for voice calls and another number for faxes, you can tell which type of call you are receiving by the ringing pattern. You can set your machine to automatically receive faxes when your fax number is called by setting the pattern that corresponds to your fax number. (Note that in Canada, six selections are available.)

PBX Setting

This Setting can only be activated in France and Germany.
When the machine is used on a PBX, you can enable the PBX setting to have the machine automatically connect to the outside line. When this setting is enabled, the [R] key appears in the base screen. When the [R] key is selected, the PBX setting is temporarily cancelled. If your PBX uses the Flash method to connect to the outside line, select the [Flash]. If your PBX uses an ID number to connect to the outside line, specify the ID number.

Select a number for the first digit and then a number or a hyphen "-" for the second and third digits.

Send Settings

Click the [Send Setting] tab and configure settings for fax transmission.

Rotation Sending Setting

When transmitting an image that is one of the following sizes, this function rotates the image counterclockwise 90 degrees. (The setting can be configured separately for each size.)
B5, A5, 5-1/2" x 8-1/2"

Quick On Line Sending

When this setting is enabled, the machine starts transmitting a fax as soon as the first page is scanned. Transmission takes place at the same time as the remaining pages are being scanned.
If you disable this setting, transmission will not begin until all pages have been scanned. Note that this setting does not apply to manual transmission.

Printing Page Number at Receiver

This setting is used to add the page number to the top of each fax page printed by the receiving machine.

Date/Own Number Print Position Setting

This setting determines the position of the date and sender information printed at the top of faxes by the receiving machine. To have the information printed outside the transmitted document image, select the [Outside the Original Image] key. To have the information printed inside the document image, select [Inside the Original Image] key.
For more information on the print position, see "ADDING YOUR SENDER INFORMATION TO FAXES (Own number sending)" (page 4-90) in "4. FACSIMILE".

Recall in Case of Line Busy

This program is used to set the number of recall attempts and the interval between recall attempts when a transmission is not successful due to the line being busy or other reason.

Number of Times to Recall When Line is Busy
This setting specifies whether or not recalling is performed when the line is busy. When recalling is performed, you can set the number of recall attempts.

Interval to Wait Between Recall Attempts (min.) When Line is Busy
The interval between recall attempts can be set.

The number of recall attempts and the interval between attempts that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of recall attempts	The interval between attempts
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia	1 to 10 (default: 2)	any number of minutes from 1 to 15 (default: 3)
Canada	1 to 14 (default: 2)	
Australia, New Zealand, Singapore, Thailand, Malaysia, India, Philippines	1 to 9 (default: 2)	
Hong Kong	1 to 3 (default: 2)	
Taiwan	1 to 15 (default: 2)	any number of minutes from 4 to 15 (default: 4)
Indonesia	1 to 5 (default: 2)	

When this setting is enabled, note that your machine will not re-attempt a call when manual transmission or direct transmission is used.

Recall in Case of Communication Error

This determines how many times your machine will automatically re-attempt the call if a fax transmission fails due to a communication error.

Number of Times to Recall in Case of Error
Specify how many times the machine will re-attempt the call when a communication error occurs.

Interval to Wait Between Recall Attempts (min.) in Case of Error
The interval between recall attempts can be set.

The number of recall attempts and the interval between attempts that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of recall attempts	The interval between attempts
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia	1 to 5 (default: 1)	any number of minutes from 1 to 15 (default: 1)
Australia, New Zealand, Canada	1 attempt	any number of minutes from 1 to 15 (default: 3)
Singapore, Thailand, Malaysia, India, Philippines	1 to 9 (default: 2)	any number of minutes from 1 to 15 (default: 1)
Hong Kong	1 to 3 (default: 2)	
Taiwan	1 to 15 (default: 2)	
Indonesia	1 to 5 (default: 2)	any number of minutes from 4 to 15 (default: 4)

When this setting is enabled, note that your machine will not re-attempt a call when manual transmission or direct transmission is used.

Receive Settings

Click the [Receive Settings] tab and configure settings for fax reception

Number of Calls in Auto Reception

This setting is used to select the number of rings on which the machine automatically receives a call and begins fax reception in auto reception mode.

The "Number of Calls in Auto Reception" that can be set in each country are shown in the following table.

Country Differentiation Table

	The number of rings
United Kingdom, France, Germany, Sweden, Italy, Spain, Netherlands, Thailand, Hong Kong, Saudi Arabia, South Africa, Hungary, Czech Republic, Slovakia, Poland, Greece, Russia, Philippines, Indonesia	0 to 9
Australia, New Zealand	2 to 4
Singapore	0 to 3
Malaysia, India, Canada, Taiwan	0 to 15

If you select "0" for the number of rings, the machine will immediately answer and begin fax reception without ringing in auto reception mode.

Switching from Manual to Automatic Reception

This setting can only be activated in France.
When a fax is received in manual reception mode, you have have the machine automatically switch to auto reception. The number of rings on which switching to auto reception takes place can be set to any number from 1 to 9.

Duplex Reception Setting

This is used to have received faxes printed on both sides of the paper.
When this setting is enabled and a fax consisting of 2 or more pages is received (the pages must be the same size), the pages are printed on both sides of the paper.

Auto Receive Reduce Setting

When a fax is received that includes the sender's name and number, the received image is slightly larger than the standard size. This setting is used to automatically reduce the image to fit the standard size.

- If Auto Receive Reduce is disabled, the edges of the image outside the standard size will be cut off. However, the image will be clearer because it will be printed at the same size as the original.
- Standard sizes are sizes such as A4 and B5 (8-1/2" x 11" and 8-1/2" x 5-1/2").

Print Style Setting

This setting determines the paper selection condition when printing received faxes. Select one of the three conditions below.

Print Actual Size Cut off Enabled
Each received image is printed at full size. If necessary, the image is divided onto multiple sheets of paper.

Auto Size Select
Each received image is printed at full size when possible. When not possible, the image is automatically reduced before printing.

Set the Telephone Number for Data Forwarding

When a problem prevents the machine from printing a received fax, the received fax can be forwarded to another fax machine. This setting is used to program the fax number of the destination fax machine. Only one forwarding fax number can be programmed (maximum of 64 digits).
To insert a pause between digits of the number, select the [-] key.
If you wish to specify an F-code confidential memory box in the destination machine, select the [/] key after entering the fax number and enter the F-code (sub-address and passcode).

Letter Size RX Reduce Print

This program is not available in Canada and Philippines.
When a letter (8-1/2" x 11") size fax is received, this setting reduces the fax to A4 size.

When this setting is enabled, A4 size faxes are also reduced.

Receiving Date & Time Print

Enable this setting to have the date and time of reception printed.
Select [Inside the Received Image] or [Outside the Received Image] for the position where the date and time is printed.
When [Inside the Received Image] is selected, the date and time of reception is printed on the received image.
When [Outside the Received Image] is selected, the received image is reduced and the date and time of reception is printed in the blank area that results.

[Outside the Received Image] cannot be selected for the reception date and time print setting when "Auto Receive Reduce Setting" (page 6-116) is not enabled.

Fax Output Settings

These settings are used to select the number of copies for received faxes.

Number of Prints
Set the number of copies of received faxes that are printed to any number from 1 to 99.

This setting can only be used when the [Multiple Set Print] checkbox is selected ☑ in "Fax Settings" (page 6-109).

Allow/Reject Number Setting

Use this setting to specify whether reception from a stored number is to be allowed or rejected.

Item	Description
Reject Reception	Reject reception from the stored number.
Allow Reception	Allow reception from the stored number.
All Invalid	Even if numbers have been stored, disregard the numbers and allow reception from all numbers.
Add New	Store a new number for which allow or reject will be specified (maximum of 50 numbers). Enter the number (maximum of 20 digits) and select the [Store] key.
Registration Number List	A list of the stored numbers can be displayed. A number can be selected in this screen to delete it from the list.

When no numbers have been stored for allow/reject specification, no keys other than [Add New] can be selected.

Fax Polling Security

The following settings are for regular polling memory using the Public Box.

Set Fax Polling Security
When the memory polling function is used, this setting determines whether any machine will be allowed to poll your machine, or only machines that have been stored in your machine.

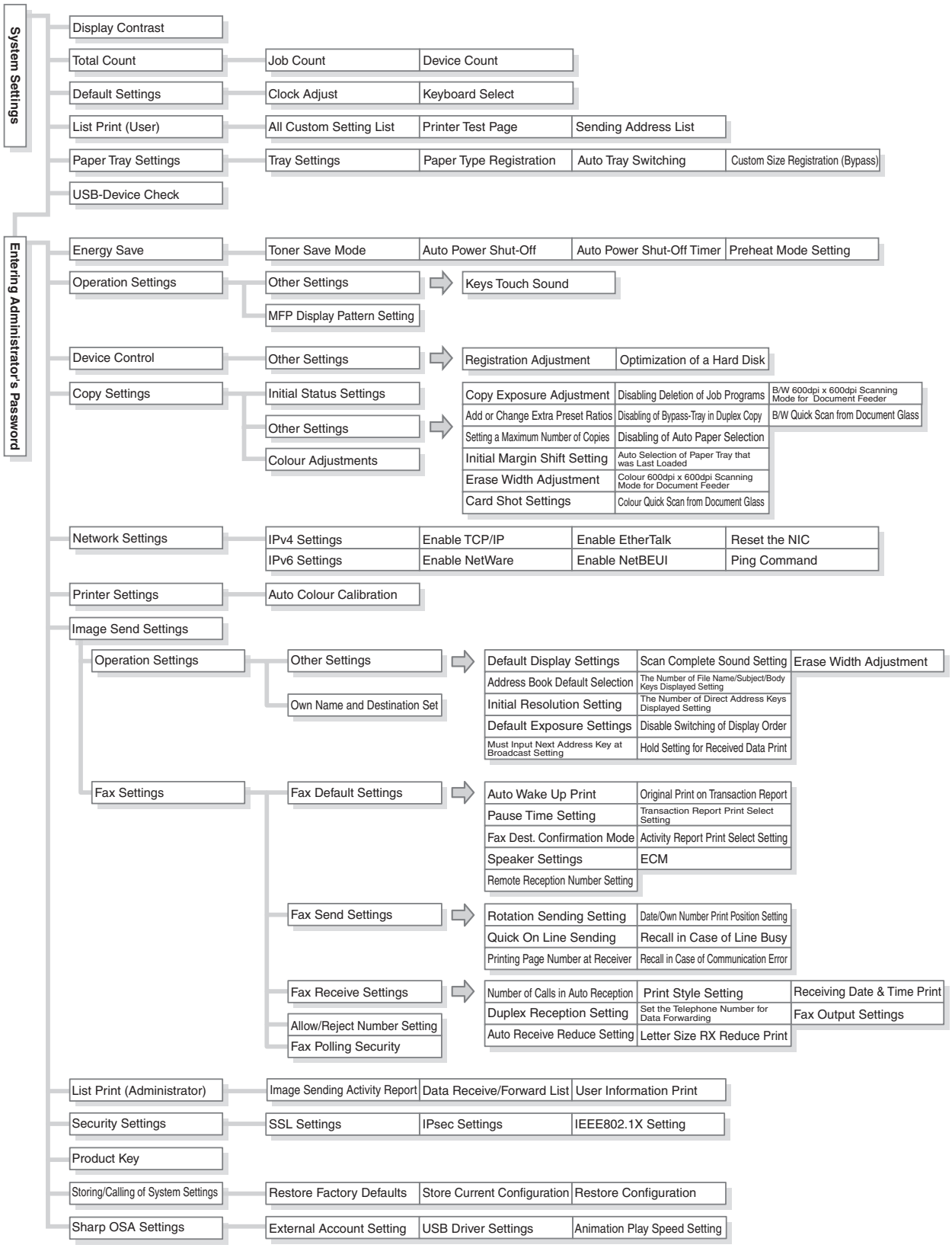
Add New
When the Polling Security Setting is enabled, use this setting to store (or delete) the fax numbers of the machines that are allowed to poll your machine. The stored fax numbers are called passcode numbers. Up to 10 passcode numbers can be stored (maximum of 20 digits each).

Passcode Number Key List
This shows a list of the stored passcode numbers. A number can be selected to delete it.

Note that these settings do not apply to F-code polling memory.

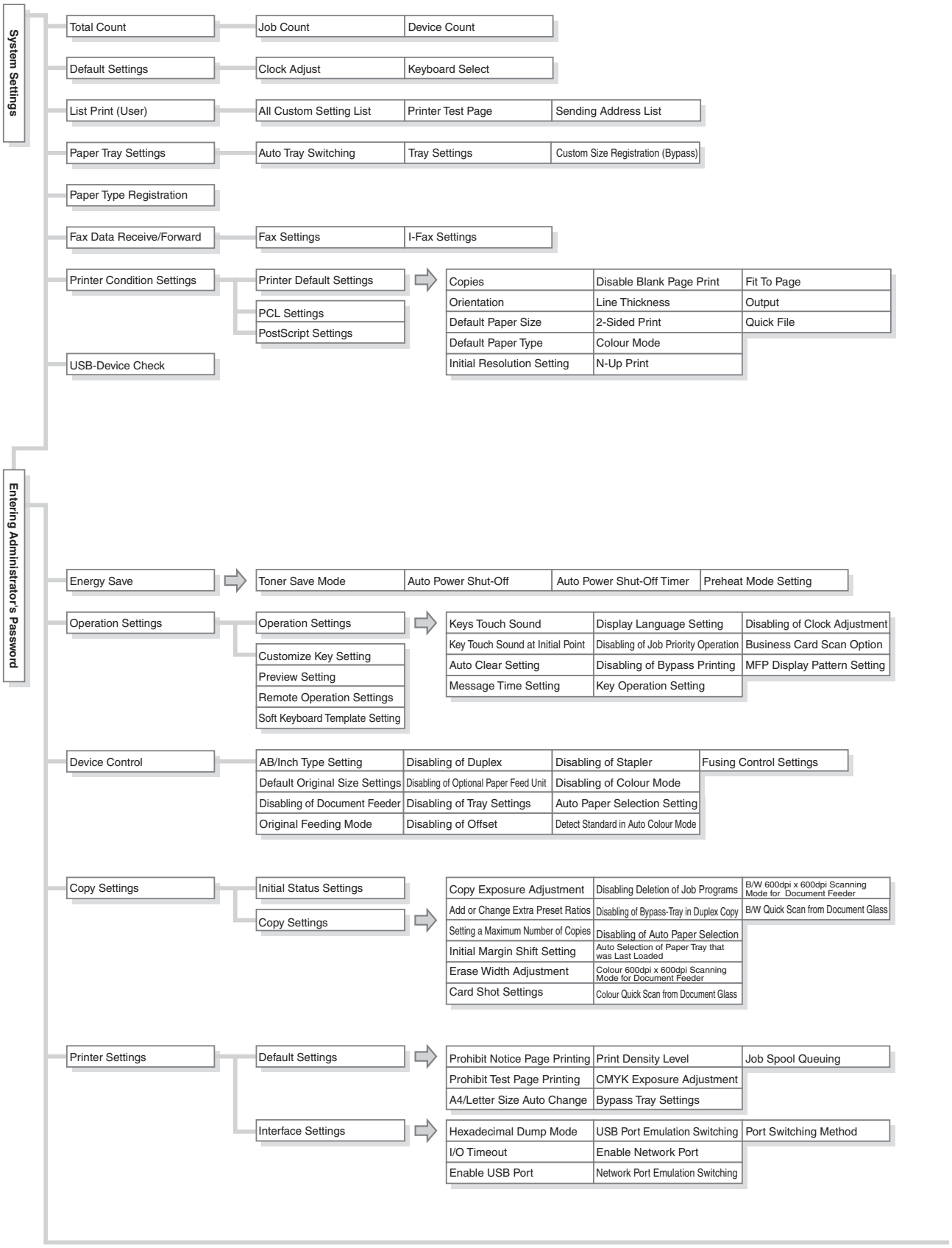
APPENDIX

System Settings Menu (Operation Panel)

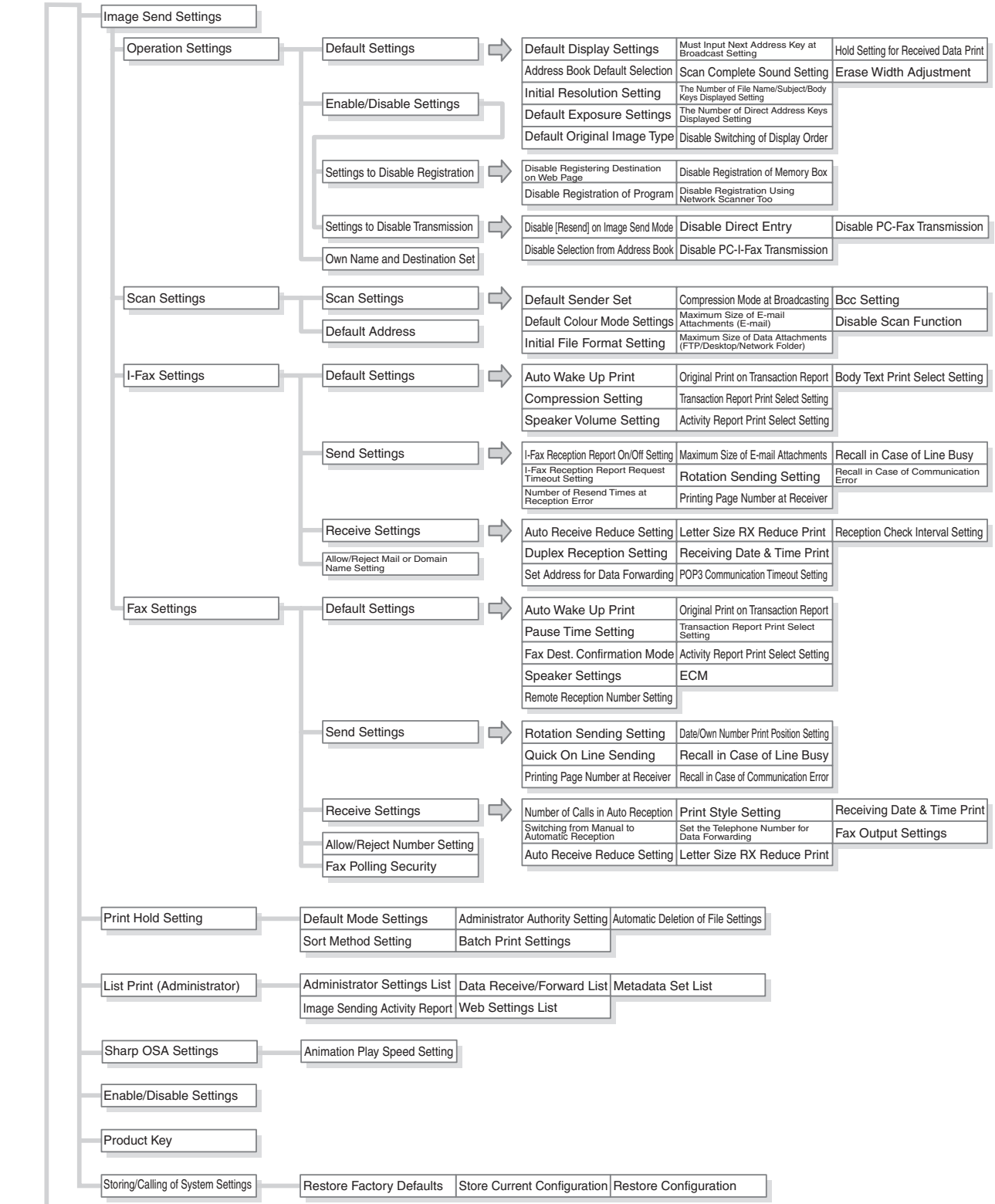


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System Settings Menu (Web Page)



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The Number of File Name/Subject/Body Keys Displayed Setting
Default Exposure Settings
The Number of Direct Address Keys Displayed Setting
Default Original Image Type
Disable Switching of Display Order
Enable/Disable Settings
Settings to Disable Registration
Disable Registering Destination on Web Page
Disable Registration of Memory Box
Disable Registration of Program
Disable Registration Using Network Scanner Too
Settings to Disable Transmission
Disable [Resend] on Image Send Mode
Disable Direct Entry
Disable PC-Fax Transmission
Disable Selection from Address Book
Disable PC-I-Fax Transmission
Own Name and Destination Set
Scan Settings
Scan Settings
Default Sender Set
Compression Mode at Broadcasting
Bcc Setting
Default Colour Mode Settings
Maximum Size of E-mail Attachments (E-mail)
Disable Scan Function
Initial File Format Setting
Maximum Size of Data Attachments (FTP/Desktop/Network Folder)
Default Address
I-Fax Settings
Default Settings
Auto Wake Up Print
Original Print on Transaction Report
Body Text Print Select Setting
Compression Setting
Transaction Report Print Select Setting
Speaker Volume Setting
Activity Report Print Select Setting
Send Settings
I-Fax Reception Report On/Off Setting
Maximum Size of E-mail Attachments
Recall in Case of Line Busy
I-Fax Reception Report Request Timeout Setting
Rotation Sending Setting
Recall in Case of Communication Error
Number of Resend Times at Reception Error
Printing Page Number at Receiver
Receive Settings
Auto Receive Reduce Setting
Letter Size RX Reduce Print
Reception Check Interval Setting
Duplex Reception Setting
Receiving Date & Time Print
Allow/Reject Mail or Domain Name Setting
Set Address for Data Forwarding
POP3 Communication Timeout Setting
Fax Settings
Default Settings
Auto Wake Up Print
Original Print on Transaction Report
Pause Time Setting
Transaction Report Print Select Setting
Fax Dest. Confirmation Mode
Activity Report Print Select Setting
Speaker Settings
ECM
Remote Reception Number Setting
Send Settings
Rotation Sending Setting
Date/Own Number Print Position Setting
Quick On Line Sending
Recall in Case of Line Busy
Printing Page Number at Receiver
Recall in Case of Communication Error
Receive Settings
Number of Calls in Auto Reception
Print Style Setting
Receiving Date & Time Print
Switching from Manual to Automatic Reception
Set the Telephone Number for Data Forwarding
Fax Output Settings
Allow/Reject Number Setting
Auto Receive Reduce Setting
Letter Size RX Reduce Print
Fax Polling Security
Print Hold Setting
Default Mode Settings
Administrator Authority Setting
Automatic Deletion of File Settings
Sort Method Setting
Batch Print Settings
List Print (Administrator)
Administrator Settings List
Data Receive/Forward List
Metadata Set List
Image Sending Activity Report
Web Settings List
Sharp OSA Settings
Animation Play Speed Setting
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Product Key
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Restore Factory Defaults
Store Current Configuration
Restore Configuration

Contents

CHAPTER 7 TROUBLESHOOTING

This chapter provides solutions to possible problems in a question and answer format. Locate the question that relates to your problem and use the answer to help correct the situation. If you are unable to solve a problem using this manual, please contact your dealer or nearest authorised service representative.

System settings or Web pages

System settings are indicated in the "Solutions" column as shown below. In some cases a problem may be solved by enabling the indicated system setting or Web pages.

Example:

→ System Settings (Administrator) > "Copy Function Settings" > "Other Settings" > "Disable Copy in Different Size" > 

This is an abbreviated description of the procedure for selecting the setting. ">" indicates the setting sequence and  indicates the state of the setting after it has been enabled. Use these descriptions as a quick manual to help you configure the settings. When "(Web page only)" is indicated, the item being described can only be set in the Web page; it cannot be set on the machine.

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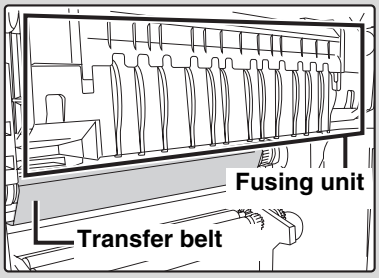
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REMOVING MISFEEDS

This section explains what to do when a paper misfeed occurs in the machine.

Caution

The fusing unit is hot. Take care not to burn yourself when removing a misfeed.

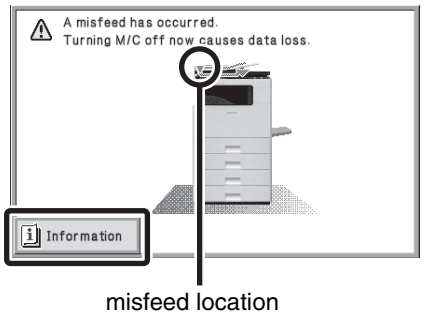


- When removing misfed paper, do not touch or damage the transfer belt.
- Carefully pull the paper out without tearing it.
- A misfeed may have occurred inside the machine. Check carefully and remove the misfeed.
- If the paper tears, be sure to remove all pieces from the machine.

REMOVING MISFEEDS

When a paper misfeed occurs, the message "A misfeed has occurred." will appear in the display and printing and scanning will stop. In this event, select the [Information] key in the display. When the key is selected, instructions for removing the misfeed will appear. Follow the instructions. When the misfeed is cleared, the message will automatically clear.

The approximate locations of possible misfeeds are indicated by blinking ▼ marks as shown below.



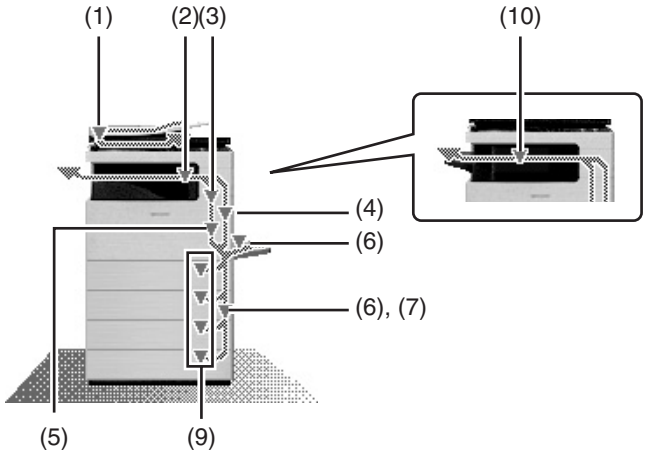
- While the message appears, printing and scanning cannot be resumed.
- If the message does not clear even after the misfeed has been removed, the causes below are possible. Check once again.
  - The misfeed was not correctly removed.
  - A torn piece of paper remains in the machine.
  - A cover or unit that was opened or moved to remove the misfeed was not returned to its original position.

HOW TO REMOVE MISFEEDS

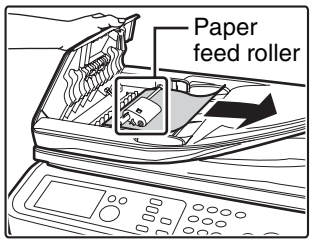
If you require more information when reading the instructions in the display, see the paper misfeed illustrations below. Refer to the illustration below and then go to the appropriate illustration (1 to 10) for your situation.

☞ (1): page 7-3, (2)-(8): page 7-4, (9)-(10): page 7-5

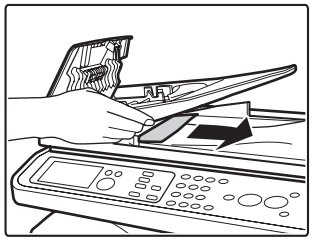
When removing a misfeed or closing a cover, tray, or the finisher, take care that your fingers do not become pinched.



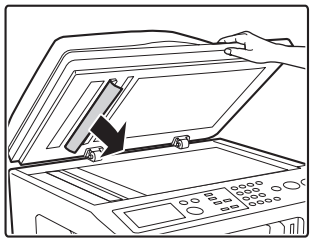
(1) Original misfeed



Open the document feeder cover and remove the paper feed roller.
If it is difficult to remove misfed paper, remove the paper feed roller. To remove the paper feed roller, see "Removing the paper feed roller".



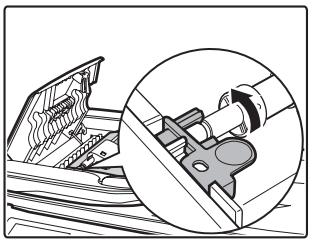
Pull out the document feeder tray and remove the misfed paper.



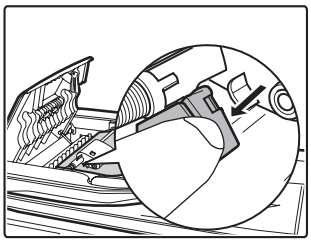
Open the automatic document feeder and remove the original.

After removing the misfeed, open and close the automatic document feeder (or the document feeding area cover or document feeder tray) to clear the misfeed display from the display.

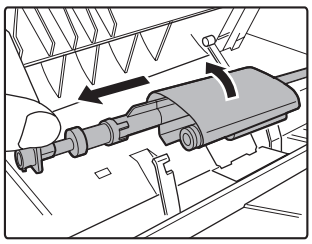
Removing the paper feed roller



Lift up the knob that holds the roller shaft.



Pull down the release lever.

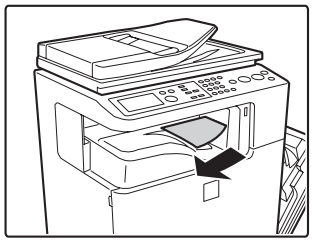


Remove the shaft rotating the roller cover upward and remove the shaft.

- If the roller cover is not pointing straight up when the shaft is removed, a failure may occur.
- Carefully pull the misfed paper out without tearing it.

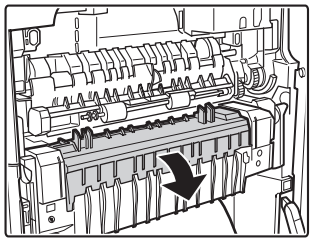
Contents

(2) Paper misfeed in the output area

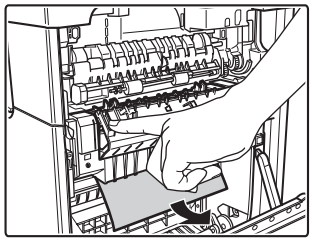


Remove the misfed paper.

(3) Paper misfeed in the fusing unit



If a paper misfeed has occurred inside the fusing unit, press down on the green part, open the fusing unit, and remove the paper.

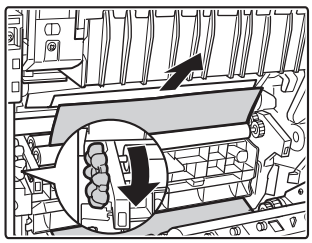


⚠ Caution

- **The fusing unit area is hot. Take care not to burn yourself. (Do not touch any metal parts.)**
- **When the fusing unit is tilted down toward you, projections come out in the middle. Do not touch the projections. These can be a cause of human injury or machine failure.**

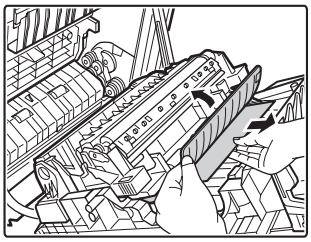
Unfused toner may remain on the paper that is removed. Take care that it does not soil your hands or clothing.

(4) Paper misfeed in the transport area

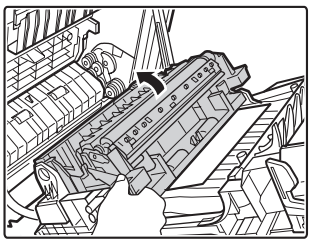


When the rotate knob is turned in the direction of the arrow, paper comes out for above.

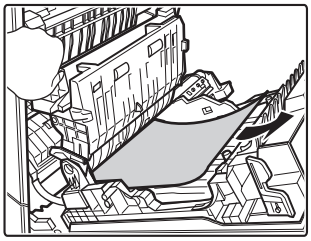
(5) Paper misfeed in the reversing unit



Open the right side cover, open the paper conveyor cover, and remove the paper.

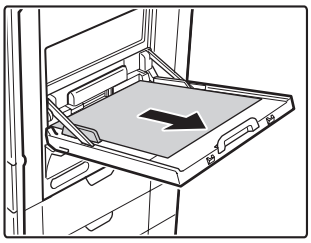


If the misfeed is not in the above location, grasp the handle on the secondary transfer roller unit, slowly open the unit, and remove the paper.



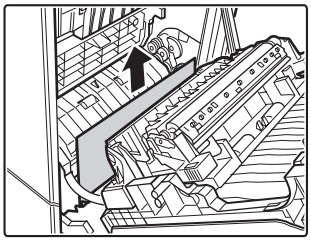
When opening the paper reversing section, open slowly and gently. Jerking the section open may cause the secondary transfer roller unit to detach, resulting in failure.

(6) Paper misfeed in the bypass tray



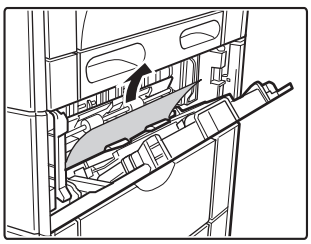
Remove the misfed paper.

(7) Paper misfeed in tray 1 (side)



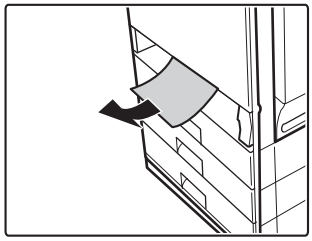
Open the right side cover and remove the misfed paper.

(8) Paper misfeed in tray 2 to tray 4 (side)



The misfeed may have occurred inside the machine. Check carefully and remove it.

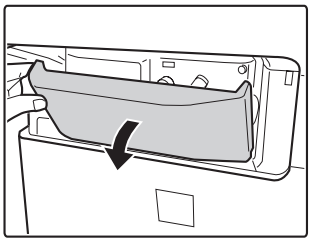
(9) Paper misfeed in tray 1 to tray 4 (in the tray)



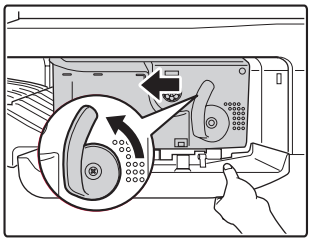
When a paper gets twisted to the roller, remove the tray and remove the misfed paper.

When pulling out a tray, be sure to open the right cover and check for a paper misfeed. If a tray is pulled out when there is a misfeed, the paper will tear and a torn piece may remain in the machine, making it more difficult to remove the misfed paper. To open the right cover and check for a misfeed, follow the procedure in (7) Paper misfeed in tray 1 (side) or (8) Paper misfeed in tray 2 to tray 4 (side).

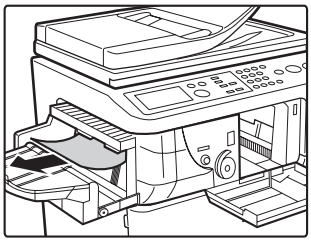
(10) Paper misfeed in the finisher



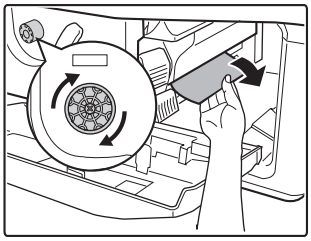
Open the front cover.



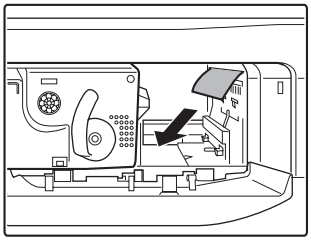
While pressing the lever over to the left, slide the finisher to the left until it stops.



Remove the misfed paper.



Turn roller rotating knob in the direction of the arrow to remove the misfed paper.



Make sure that there is no misfed paper in the machine.

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REMOVING STAPLE JAMS

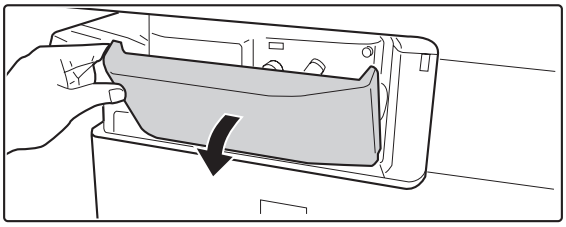
Follow the steps below to remove a staple jam.

FINISHER

⚠ Caution

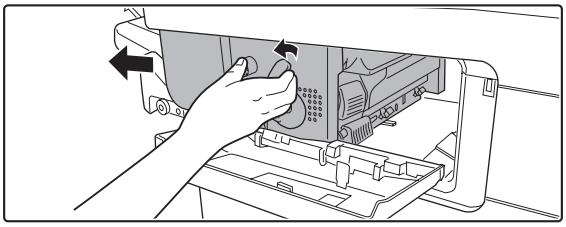
Take care that a bent staple does not hurt you.

1



Open the cover.

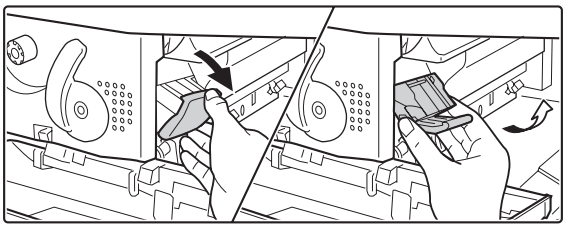
2



While pressing the lever over to the left, slide the finisher to the left until it stops.

Gently slide the finisher until it stops.

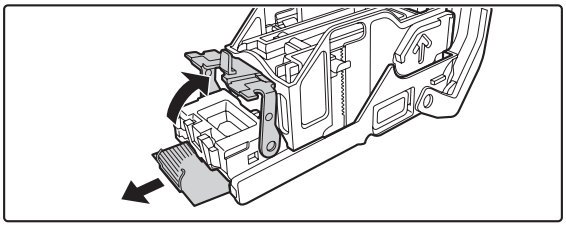
3



Lower the staple case release lever and remove the staple case.

Pull the staple case out to the right.

4

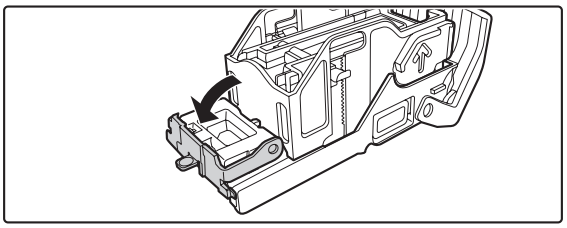


Raise the lever at the front end of the staple case and remove the jammed staple.

Remove the leading staple if it is bent. If bent staples remain, a staple jam will occur again.

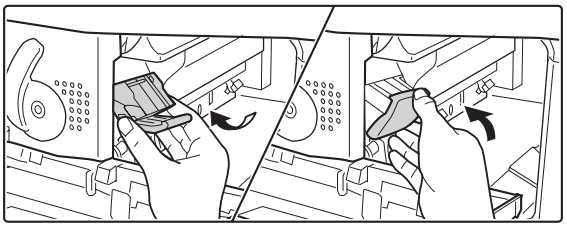
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5



Lower the lever at the front end of the staple case.

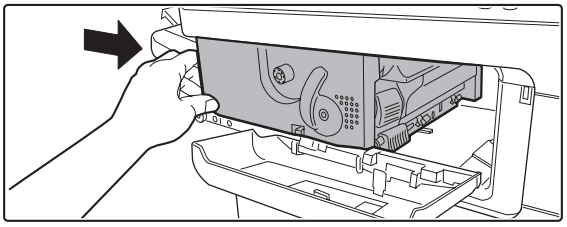
6



Replace the staple case.

Push the staple case in until it clicks into place.

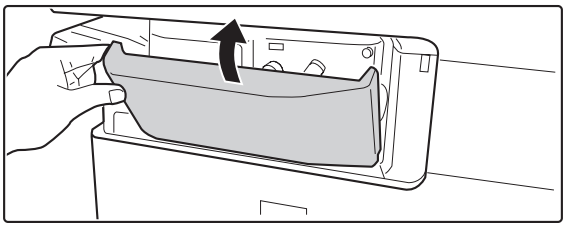
7



Slide the finisher back to the right.

Gently slide the finisher back to the right until it locks into its original position.

8



Close the cover.

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COPYING

PROBLEMS RELATED TO COPYING OPERATION

- Copying does not take place. 7-8
- Auto selection of the colour mode does not take place. 7-8
- Two-sided copying does not take place.. 7-9
- The paper size of a tray cannot be set.. 7-9

PROBLEMS RELATED TO COPY RESULTS

- The image is too light or too dark.. 7-10
- Colours are off. 7-10
- Part of the image is cut off. 7-10
- Copies come out blank. 7-10

- If you cannot find the item that you are looking for in the above table of contents, see "GENERAL PROBLEMS" (page 7-30).
- If you are unable to solve a problem using the solutions in this manual, switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds, and then switch on the main power switch and the [POWER] key (⏻) in that order.

Caution:

When the LINE indicator is lit or the DATA indicator is lit or blinking, do not switch off the main power switch or unplug the power plug. This may damage the hard drive or cause the data being stored or received to be lost.

PROBLEMS RELATED TO COPYING OPERATION

Problem	Point to check	Solution
Copying does not take place.	Have functions been disabled by the administrator?	When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
Auto selection of the colour mode does not take place.	Are you using one of the following types of originals? **Black & White is not selected** • Are there colours or colouring in the paper? **Colour is not selected** • The colour in the original is very light. • The colour in the original is very dark, almost black. • Is only a very small area of the original coloured?	When the colour mode is set to "Auto", the machine detects whether the original is black and white or colour when the [COLOUR START] key is pressed. However, when an original similar to one of those at left is used, automatic detection may not give the correct result. In this event, specify the colour mode manually.

Problem	Point to check	Solution
Two-sided copying does not take place.	Does the paper type setting of the selected tray specify a type of paper that cannot be used for two-sided copying?	Check "Tray Settings" in the system settings. If the [Disable Duplex] checkbox is selected , two-sided copying using that tray will not be possible. Change the paper type setting to a type that can be used for two-sided printing. →System Settings > "Paper Tray Settings" > "Tray Settings" > "Change"
	Are you using a special size or type of paper?	For the paper types and sizes that can be used for two-sided copying, see "SPECIFICATIONS" in the Maintenance & Safety Guide.
	Are you copying using settings that do not allow two-sided copying?	Two-sided copying can generally be combined with other special modes, however, some combinations are not possible. If a prohibited combination is selected, a message will appear in the display.
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator. When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
The paper size of a tray cannot be set.	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator.

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PROBLEMS RELATED TO COPY RESULTS

Problem	Point to check	Solution
The image is too light or too dark.	Is the image too light or too dark?	Select an appropriate exposure mode for the original being copied and adjust the exposure level manually.
	Has an appropriate exposure mode for the original type been selected?	Select one of the following modes depending on the original type. • **Text** Use this mode for regular text documents. • **Text/Prtd.Photo** This mode provides the best balance for copying an original which contains both text and printed photographs, such as a magazine or catalogue. • **Text/Photo** This mode provides the best balance for copying an original which contains both text and photographs, such as a text document with a photo pasted on. • **Printed Photo** This mode is best for copying printed photographs, such as photos in a magazine or catalogue. • **Photo** Use this mode to copy photos. • **Map** This mode is best for copying the light colour shading and fine text found on most maps. • **Light original** Use this mode for originals with light pencil writing. For detailed information of each of the settings, see "CHANGING THE EXPOSURE AND ORIGINAL IMAGE TYPE" (page 2-23)
Colours are off.	Did you perform "Registration Adjustment"?	Ask your administrator to perform "Registration Adjustment". If the colours are out of position in the printed output of a colour copy job, "Registration Adjustment" can be used to adjust the print position of each colour. →System Settings (Administrator) > "Device Control" > "Registration Adjustment" If the colour tones are off, perform "Auto Colour Calibration". (If the colours are still off after calibration, repeating calibration may improve the results.) →System Settings (Administrator) > "Copy Function Settings" > "Colour Adjustment" > "Auto Colour Calibration"
Part of the image is cut off.	Has an appropriate ratio been selected for the original size and paper size?	Select an appropriate ratio setting.
	Are you using an inch (AB) size original?	When copying an inch (AB) size original, specify the original size manually.
	Has the correct original size been set?	Select the [Original] key and select the correct size.
Copies come out blank.	Is the original placed face up or face down correctly?	When using the document glass, the original must be placed face down. When using the automatic document feeder, the original must be placed face up.

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PRINTING

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- If you cannot find the item that you are looking for in the above table of contents, see "GENERAL PROBLEMS" (page 7-30).
- If you are unable to solve a problem using the solutions in this manual, switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds, and then switch on the main power switch and the [POWER] key (⏻) in that order.

Caution:

When the LINE indicator is lit or the DATA indicator is lit or blinking, do not switch off the main power switch or unplug the power plug. This may damage the hard drive or cause the data being stored or received to be lost.

PROBLEMS RELATED TO PRINTING OPERATION

Problem	Point to check	Solution
Printing does not take place.	Is your computer connected correctly to the machine?	Make sure that the cable is connected securely to the LAN connector or the USB connector on your computer and the machine. If you are on a network, check the connections at the hub as well. ☞ 1. BEFORE USING THE MACHINE "SIDE AND BACK" (page 1-6)
	Is the machine connected to the same network (LAN, etc.) as your computer?	The machine must be connected to the same network as your computer. If you do not know which network the machine is connected to, ask the network administrator.
	Is the IP address selected correctly? (Windows)	If the machine does not have a permanent IP address (the machine receives an IP address from a DHCP server), printing will not be possible if the IP address changes. Print the "All Custom Setting List" in the system settings and check the IP address of the machine. If the IP address has changed, change the port setting in the printer driver. → System Settings > "List Print (User)" > "All Custom Setting List" ☞ Software Setup Guide If the IP address changes frequently, it is recommended that a permanent IP address be assigned to the machine. → System Settings (Administrator) > "Network Settings"
	Are you using a printer port created using Standard TCP/IP Port? (Windows 2000/XP/Server 2003/Vista/ Server 2008)	When a port created with Standard TCP/IP Port in Windows is used and the [SNMP Status Enabled] checkbox is ☑, it may not be possible to print correctly. Change the [SNMP Status Enabled] checkbox to ☐. ☞ Software Setup Guide
	Is "Connect via" set to [Ethernet] for AppleTalk? (Mac OS 9.0-9.2.2)	Open [AppleTalk] from the [Control Panels] and make sure that [Ethernet] is selected in the "Connect via" menu. Printing is not possible if [Ethernet] is not selected.
	Is your computer in an unstable state?	Printing is sometimes not possible when you run multiple applications at once or there is insufficient memory or hard drive space. Restart your computer.
	Is the machine specified correctly in the software application that you are using for printing?	Make sure that the printer driver of the machine is selected in the Print window of the application. If the printer driver does not appear in the list of available printer drivers, it may not be installed correctly. Remove the printer driver and then install it once again. ☞ Software Setup Guide
	Are the network connection devices operating normally?	Make sure that the routers and other network connection devices are operating correctly. If a device is not powered on or is in an error state, see the manual of the device to correct the problem.

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Problem	Point to check	Solution
Printing does not take place.	Is the I/O timeout setting too short?	If the I/O timeout setting is too short, errors may occur while writing to the printer. Ask the administrator of the machine to configure an appropriate time in "I/O Timeout". →System Settings (Administrator) (Web page only)> "Printer Settings" > "Interface Settings" > "I/O Timeout"
	Was a Notice Page printed?	A Notice Page will be printed to indicate the cause of the problem if a print job cannot be performed as specified and the cause is not shown in the display. Read the printed page and take appropriate action. For example, a notice page will be printed in the following situations. • The print job is too large to fit in memory. • A function that has been prohibited by the administrator is specified. By factory default, Notice Pages are not printed.
	Have functions been disabled by the administrator?	When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
Colour printing does not take place.	Is the colour mode set to "Color"?	Select "Automatic" or "Color" for the colour mode setting. The colour mode setting is configured as follows: Windows: On the [Color] tab of the printer driver. Macintosh: In the [Color] menu of the print window. In Windows, [Black and White Print] can also be selected on the [Main] tab of the printer driver. If you wish to print in colour, make sure that the [Black and White Print] checkbox on the [Main] tab is not selected ☐.
	Have functions been disabled by the administrator?	When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
Two-sided printing does not take place.	Does the paper type setting of the selected tray specify a type of paper that cannot be used for two-sided printing?	Check "Tray Settings" in the system settings. If the [Disable Duplex] checkbox is selected ☑, two-sided printing using that tray will not be possible. Change the paper type setting to a type that can be used for two-sided printing. →System Settings > "Paper Tray Settings" > "Tray Settings" > "Change"
	Are you using a special size or type of paper?	For the paper types and sizes that can be used for two-sided printing, see "SPECIFICATIONS" in the Maintenance & Safety Guide.
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator. When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.

Problem	Point to check	Solution
Direct printing of a file in a shared folder on a computer is not possible.	Is "IPsec Settings" enabled on the machine?	When "IPsec Settings" is enabled in the system settings (administrator), direct printing of a file in a shared folder may not be possible in some computer environments. For information about "IPsec settings", consult your administrator. → System Settings (Administrator) > "Security Settings" > "IPsec Settings"
A tray, finisher, or other peripheral device installed on the machine cannot be used.	Have the peripheral devices that are installed on the machine been configured in the printer driver?	Open the printer properties and click the [Auto Configuration] button on the [Configuration] tab. (Windows) If auto configuration cannot be executed, see the Software Setup Guide.

PROBLEMS RELATED TO PRINT RESULTS

Problem	Point to check	Solution
The image is grainy.	Are the printer driver settings appropriate for the print job?	When selecting print settings, you can set the print mode to [Normal], [High Quality], or [Fine]. When you need a very clear image, select [Fine]. (The [Fine] mode cannot be selected when using the PCL5c printer driver.) Windows: The resolution setting is selected in the [Advanced] tab of the printer driver properties window. Macintosh: Select the resolution in the [Advanced] menu of the print window. (In Mac OS v10.5, select the resolution on the [Color] menu in the print window.)
	Have you selected colour settings appropriate for the print job?	Select colour settings appropriate for the print job. Windows: Select the appropriate document type in [Image Type] on the [Color] tab of the printer driver. Advanced colour settings can be selected in the [Advanced Color]* button. Macintosh: Select the appropriate document type in [Image Type] on the [Color] menu of the printer driver. Advanced colour settings can be selected in the [Advanced Color]* button. (In Mac OS X v10.5 to 10.5.1, in the [Advanced Color]* tab.) * When adjusting detailed colour management settings such as "Output Profile", select "Custom" from "Image Type" and then select the desired setting from "Advanced Color".
The image is too light or too dark.	Does the image (particularly a photo) need correction? (Windows)	Brightness and contrast can be corrected by performing [Color Adjustment] on the [Color] tab of the printer driver. These settings can be used for simple corrections when you do not have image editing software installed on your computer.

Problem	Point to check	Solution
Colours are off.	Did you perform "Registration Adjustment"?	Ask your administrator to perform "Registration Adjustment". If the colours are out of position in the printed output of a colour print job, "Registration Adjustment" can be used to adjust the print position of each colour. → System Settings (Administrator) > "Device Control" > "Registration Adjustment" If the colour tones are off, perform "Auto Colour Calibration". (If the colours are still off after calibration, repeating calibration may improve the results.) → System Settings (Administrator) > "Printer Settings" > "Auto Colour Calibration"
Text and lines are faint and difficult to see.	Was colour data printed in black and white? (Windows)	When colour text and lines are printed in black and white, they may become faint and difficult to see. To have colour text or lines (areas) that are faint converted to black, select [Text To Black] or [Vector To Black] on the [Color] tab of the printer driver. (Raster data such as bitmap images cannot be adjusted.)
Part of the image is cut off.	Does the paper size specified by the job match the size of paper loaded in the tray?	Make sure that the paper size setting matches the size of paper loaded in the tray. The paper size setting is selected as follows: Windows: On the [Paper] tab of the printer driver. If [Fit to Paper Size] is selected, check the loaded paper and the paper size setting. Macintosh: In the [Page Setup] menu.
	Is the print orientation setting (portrait or landscape) correct?	Set the print orientation to match the image. The print orientation is selected as follows: Windows: On the [Main] tab of the printer driver. Macintosh: In the [Page Setup] menu.
	Are the margins set correctly in the layout settings of the application?	If the edge of the image extends outside the printable area of the machine, the edge will be cut off. Select an appropriate paper size and margins in the layout settings of the application.
The image is upside down.	Are you using a type of paper (punch paper, etc.) that can only be loaded in a fixed orientation?	When the image size and paper size are the same but the orientations are different, the orientation of the image is automatically rotated to match the paper. However, when the paper can only be loaded in a fixed orientation, this may result in the image being printed upside down. In this event, rotate the image 180 degrees before printing. The 180 degree rotation setting is selected as follows: Windows: On the [Main] tab of the printer driver. Macintosh (OS X v10.3.9 to 10.5.1): On the [Page Setup] menu. (Landscape orientation only.) (In Mac OS 9.0 to 9.2.2, in the [PostScript Options] menu of the [Page Setup] menu.)

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Problem	Point to check	Solution
The image is upside down.	Is the correct binding position selected for two-sided printing?	When two-sided printing is performed, every other page is printed upside down when tablet binding is selected for the binding position. Be sure to set the appropriate binding position. The binding position is selected as follows: Windows: On the [Main] tab of the printer driver. Macintosh: In the [Layout] menu of the print window. (In Mac OS 9.0 to 9.2.2, in [Output/Document Style].)
Many nonsense characters are printed.	Is your computer or the machine in an unstable state?	If little free space remains in the memory or hard drive of your computer, or many jobs have been spooled on the machine and it has little free memory remaining, printed text may turn into nonsense characters. In this situation, cancel printing, restart your computer and the machine, and try printing again. To cancel printing Windows: Double-click the printer icon that appears at the lower right of the task bar and click "Cancel All Documents" (or "Purge Print Documents") in the [Printer] menu. Macintosh: Double-click the name of the machine in the printer list, select the job that you wish to delete, and delete it. (In Mac OS 9.0 to 9.2.2, double-click the printer icon on the desktop, select the print job that you wish to delete, and delete it.) At the machine: Press the [JOB STATUS] key on the operation panel, select the [Print Job] tab to change the screen, select the key of the print job that you wish to delete, and select the [Stop/Delete] key. A message appears to confirm the cancellation. Select the [Yes] key. If nonsense characters are still printed after restarting, ask your administrator to lengthen the timeout setting of "I/O Timeout" in the system settings (administrator). →System Settings (Administrator) (Web page only) > "Printer Settings" > "Interface Settings" > "I/O Timeout" If nonsense characters are still printed after taking the above measures, remove and then reinstall the printer driver.

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PROBLEMS RELATED TO FILING

Problem	Point to check	Solution
Retention does not take place.	Did you select retention settings in the printer driver?	In print mode, enable retention on the [Job Handling] tab of the printer driver.
A filed data can not be printed.	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator. When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.

PROBLEMS RELATED TO FILE MANAGEMENT

Problem	Point to check	Solution
A stored file has disappeared.	Did you select the [Print and Delete the Data] key to print a stored file?	A file that is printed using the [Print and Delete the Data] key is automatically deleted after being printed. To print a file without deleting it, use the [Print and Save the Data] key. The file property can be set to "Protect" to prevent the file from being easily deleted. Click "Document Operations (Web page only)", and then click a file name. →"Property" > "File Property"
	Has automatic deletion of retention files been enabled?	When "Automatic Deletion of File Settings" is enabled in the system settings (administrator), the files in the specified folders are periodically deleted. (Even when the file property is "Confidential" or "Protect", the file may be deleted.) If files that you need have been deleted, consult the administrator of the machine. →System Settings (Administrator) (Web page only) > "Print Hold Setting" > "Automatic Deletion of File Settings"
A file cannot be deleted.	Is the property of the file set to [Protect]?	A file cannot be deleted when its property is set to [Protect]. Change the property to [Sharing] and then delete the file. Click "Document Operations (Web page only)", and then click a file name. →"Property" > "File Property"
A confidential file or confidential folder cannot be opened.	Did you enter the wrong password?	If you cannot remember the password, it is possible to change the file or folder password to a new password in the system settings (administrator). Ask your administrator.
A file name cannot be stored or changed.	Does the name include characters that cannot be used in a file name?	The following characters cannot be used in a file name: \ ? / " ; : , < > ! * & # |

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FACSIMILE

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- A one-touch individual key or group key cannot be edited or deleted. 7-23

- If you cannot find the item that you are looking for in the above table of contents, see "GENERAL PROBLEMS" (page 7-30).
- If you are unable to solve a problem using the solutions in this manual, switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds, and then switch on the main power switch and the [POWER] key (⏻) in that order.

Caution:

When the LINE indicator is lit or the DATA indicator is lit or blinking, do not switch off the main power switch or unplug the power plug. This may damage the hard drive or cause the data being stored or received to be lost.

PROBLEMS RELATED TO TRANSMISSION

Problem	Point to check	Solution
Transmission does not take place.	Is the telephone line connected securely?	Check the telephone line socket, the wall socket, and any extension adapters to make sure that all connections are secure. ☞ CONNECTION TO THE TELEPHONE LINE (page 4-4)
	Is the correct dial mode set for your line?	Ask your administrator to verify that "Dial Mode Setting" is set correctly for the line you are using. → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Default Settings" > "Dial Mode Setting"
	Is a busy signal received?	If a busy signal is received, the transmission is temporarily cancelled and then automatically re-attempted after a brief interval. (Factory default setting: 2 attempts, 3 min. intervals) → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Send Settings" > "Recall in Case of Line Busy" To cancel the transmission, press the [JOB STATUS] key, select the key of the job that you wish to cancel, and then select the [Stop/Delete] key.
	Did a communication error occur?	If an error occurs that prevents transmission, the transmission is temporarily cancelled and then automatically re-attempted after a brief interval. (Factory default setting: 3 min. intervals) → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Send Settings" > "Recall in Case of Communication Error" To cancel the transmission, press the [JOB STATUS] key, select the key of the job that you wish to cancel, and then select the [Stop/Delete] key. The machine supports error correction mode (ECM) and is configured to automatically resend any part of a fax that is distorted due to noise on the line. → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Default Settings" > "ECM"
	Has the correct original size been set?	When an original is placed, the detected original size is displayed. If the original size displayed in this key is different from the size of the original you placed, be sure to select this key and specify the correct size.

Problem	Point to check	Solution
Transmission does not take place.	Does the job status screen (completed jobs) or a transaction report indicate that the transmission was not successful?	Perform the transmission again. If the transmission is still not successful after recalling is performed as set in "Recall in Case of Line Busy" or "Recall in Case of Communication Error", the transmission failure will be indicated in the job status screen and the transaction report. →System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Send Settings" > "Recall in Case of Line Busy" →System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Send Settings" > "Recall in Case of Communication Error"
	Did you place a long size original on the document glass when it is scanned?	A long size original cannot be scanned from the document glass. Place originals in the document feeder tray of the automatic document feeder.
	Are the sub-address and passcode correct? (When using F-code communication)	Check with the operator of the other machine to make sure that the sub-address and passcode are correct.
	Have functions been disabled by the administrator?	When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
The transmitted fax prints out blank at the receiving side.	Is the original placed face up or face down correctly?	When using the document glass, the original must be placed face down. When using the automatic document feeder, the original must be placed face up. Place the original correctly and send the fax again.
	If the receiving machine is using thermal paper, was the thermal paper loaded with the wrong side out?	Check with the operator of the other machine.
The transmitted fax is reduced by the receiving fax machine.	Has image rotation been enabled?	When "Rotation Sending Setting" is not enabled (the image is not rotated), an original placed in the vertical orientation may be reduced by the receiving machine. Enable "Rotation Sending Settings" before transmission. →System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Send Settings" > "Rotation Sending Setting" > If "Mixed Size Originals" in the special modes is enabled and an original with a different width is sent, rotate transmission will be disabled.
Transmission does not begin at the specified time.	Is the machine's clock set to the correct time?	Set the clock to the correct time. →System Settings > "Default Settings" > "Clock" > "Clock Adjust"
	Is a transmission in progress?	If another transmission is in progress when the specified time arrives, the timer operation will begin after that transmission is finished.

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PROBLEMS RELATED TO RECEPTION

Problem	Point to check	Solution
Printing does not take place after reception.	Does a message appear in the display instructing you to add toner or paper? (Printing is not possible when this screen appears.)	Restore printing capability as instructed by the message.
	Does a password entry screen appear?	"Hold Setting for Received Data Print" is enabled. Enter the correct password with the numeric keys. If you do not know the password, check with your administrator.
	Is forwarding (Inbound Routing function) selected in the Web page for a received fax?	When the Inbound Routing function is enabled in the Web pages, received faxes are automatically forwarded to a specified address. If "Print at Error" is selected when Inbound Routing is enabled, received faxes will only be printed when an error occurs. If you need to print a received fax, ask your administrator.
The received image is faint.	Is the original that was faxed also faint?	Ask the other party to send the fax again using a suitable (darker) exposure setting.
The machine does not begin fax reception.	Has the reception mode been set to "Manual Reception" in the system settings?	When the reception mode is set to "Manual Reception", the machine will not receive faxes automatically. To have the machine receive faxes automatically, set the reception mode to "Auto Reception". → System Settings > "Fax Data Receive/Forward" > "Fax Settings" > "Receive Setting"
	Is little free memory remaining?	Free memory by printing faxes received by confidential reception and other received data that is protected by a password, and by deleting data stored in memory boxes.

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PROBLEMS RELATED TO TELEPHONE

Problem	Point to check	Solution
Dialling is not possible.	Is the extension phone connected?	Check the telephone line socket, the extension phone socket, the wall socket, and any extension adapters to make sure that all connections are secure.
You cannot talk to the other party.	Did you dial using the speaker?	When you dial using the speaker, you will be able to hear the voice of the other party, but he or she will not hear your voice. Use the extension phone. (When the extension phone is not installed, you cannot talk to the other party.)

PROBLEMS RELATED TO AUDIBLE SIGNALS

Problem	Point to check	Solution
The volume is too low. • Speaker • Ringer Volume • Line Monitor • Fax Receive Complete Signal • Fax Send Complete Signal • Fax Communication Error Signal	Has the volume been set to a low level in the system settings (administrator)?	Ask your administrator to set the volumes in "Speaker Settings" to a higher level. → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Default Settings" > "Speaker Settings"
No sound is heard. • Ringer Volume • Line Monitor • Fax Receive Complete Signal • Fax Send Complete Signal • Fax Communication Error Signal	Has the ringer volume been turned off in the system settings (administrator)?	Ask your administrator to set the volumes in "Speaker Settings" to other than "No Sound". → System Settings (Administrator) > "Image Send Settings" > "Fax Settings" > "Fax Default Settings" > "Speaker Settings"

PROBLEMS RELATED TO ONE-TOUCH INDIVIDUAL KEYS / GROUP KEYS

Problem	Point to check	Solution
A one-touch individual key or group key cannot be stored.	Has the maximum number of keys been stored?	Delete one-touch keys and group keys that are not being used.
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator.
A one-touch individual key or group key cannot be edited or deleted.	If the key is an individual key, is the key included in a group?	Remove the key from the group and then edit or delete the key. (If the key is included in multiple groups, it must be removed from all groups.) →"Address Book" (Web page only) If multiple group keys have been stored, print the Group List in "Sending Address List" in the system settings. The list will show where the key is stored. →System Settings > "List Print (User)" > "Sending Address List" > "Group List"
	Is the key being used in a reserved transmission or a transmission in progress?	Wait until the transmission is finished or cancel the transmission and then edit or delete the key.
	Is the key included in a program key?	Remove the key from the program and then edit or delete the key. (If the key is included in program, it must be removed from program.) →System Settings > "Address Control" > "Program" If multiple program keys have been stored, print the Program List in "Sending Address List" in the system settings. The list will show where individual and group keys are stored. →"Job Program" (Web page only)
	Is the key that you wish to edit or delete stored as a relay destination of an F-code relay broadcast transmission?	An individual or group one-touch key that is stored as a relay destination cannot be edited or deleted. Remove the key from the relay destinations of the F-code relay broadcast transmission and then edit or delete the key. →System Settings (Web page only) > "F-Code Memory Box"
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator.
	Has your administrator enabled a function that prevents editing/deleting?	If your administrator has enabled settings such as "Inbound Routing Settings" (Web page only), editing/deleting will not be possible. Check with your administrator. →Application Settings (Web page only) > "Inbound Routing Settings"

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SCANNING / INTERNET FAX

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PROBLEMS RELATED TO ONE-TOUCH INDIVIDUAL KEYS / GROUP KEYS

- A one-touch individual key or group key cannot be stored. 7-29
- A one-touch individual key or group key cannot be edited or deleted. 7-29

- If you cannot find the item that you are looking for in the above table of contents, see "GENERAL PROBLEMS" (page 7-30).
- If you are unable to solve a problem using the solutions in this manual, switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds, and then switch on the main power switch and the [POWER] key (⏻) in that order.

Caution:

When the LINE indicator is lit or the DATA indicator is lit or blinking, do not switch off the main power switch or unplug the power plug. This may damage the hard drive or cause the data being stored or received to be lost.

PROBLEMS RELATED TO SCANNING / INTERNET FAX OPERATION

Problem	Point to check	Solution
Transmission does not take place.	Did you select the correct destination? Is the correct information (e-mail address or FTP server information) stored for that destination?	Make sure that the correct destination information is stored for the destination and that the destination is correctly selected. If delivery by e-mail (Scan to E-mail) is unsuccessful, an error message such as "Undelivered Message" may be sent to the designated administrator's e-mail address. This information may help you determine the cause of the problem.

Problem	Point to check	Solution
Transmission does not take place.	Does the image file exceed the e-mail attachment limit set in the system settings (administrator)?	If your administrator has set a limit on the size of transmitted files, a file that exceeds the limit cannot be transmitted. Check with your administrator.
	Did the image file exceed the file attachment size limit of your mail server? (When Scan to E-mail is used.)	Reduce the size of the file attachment (reduce the number of pages scanned). The size of the file can also be reduced by scanning using a lower resolution setting. Ask your mail server administrator what the file size limit is for one e-mail transmission.
	Has the folder on the destination computer been set as a shared folder so that files can be sent to it? (When using Scan to Network Folder.)	If the destination folder is not configured as a shared folder, select "share" in the folder properties. If the folder was moved or otherwise changed, the "share" setting may have been cancelled.
	Is "IPsec Settings" enabled on the machine? (When using Scan to Network Folder.)	When "IPsec Settings" is enabled in the system settings (administrator), direct printing of a file in a shared folder may not be possible in some computer environments. For information about "IPsec settings", consult your administrator. →System Settings (Administrator) > "Security Settings" > "IPsec Settings"
	Did you place a long size original on the document glass when it is scanned?	A long size original cannot be scanned from the document glass. Place originals in the document feeder tray of the automatic document feeder.
An address cannot be specified. **Mode cannot be selected.**	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator. When user authentication is enabled, the functions that you can use may be restricted in your user settings. Check with your administrator.
Auto selection of the colour mode does not take place correctly.	Are you scanning one of the following types of originals? **When Black & White is not selected:** • Are there colours or colouring in the paper? **When Colour is not selected:** • Is the colour in the original very light? • Is the colour in the original very dark, almost black? • Is only a very small area of the original coloured?	When the colour mode is set to "Auto", the machine detects whether the original is black and white or colour when the [COLOUR START] key is pressed; however, in the cases at left, automatic detection may not give the correct result. In this event, specify the colour mode manually.

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Problem	Point to check	Solution
The received image file cannot be opened.	Does the viewer program used by the recipient support the format of the received image data?	The recipient may be able to open the file if you change the file type and compression mode selected at the time of transmission. Use a software program that is capable of opening the selected file type and compression mode.
	Does a message appear prompting you to enter your password?	The received file is an encrypted PDF file. Ask the sender for the password, or have the image sent again in a non-encrypted format.
Transmission takes a long time.	Is the resolution setting appropriate at the time of scanning?	To select resolution and data compression settings that are suited to the purpose of transmission and create image data that is balanced in terms of resolution and file size, pay attention to the following points: Resolution settings The default resolution setting is [200X200dpi] in scanner and USB memory mode, and [200X100dpi] in Internet fax mode. If the original does not contain a halftone image such as a photo or illustration, scanning at the default resolution will create a practical and useful image. A higher resolution setting or the "Half Tone" setting (in Internet fax mode) should only be selected if the original contains a photo and you wish to give priority to the quality of the photo image. Exercise caution in this case as a larger file will be created than when the default setting is used.
A destination is pre-selected.	Is "Default Address Setting" enabled in the system settings (administrator)?	If you wish to send to a destination other than the default destination, select the [Cancel] key. If you are the administrator and wish to change or disable the default destination, change the settings as appropriate in "Default Address Setting". →System Settings (Administrator) (Web page only) > > "Image Send Settings" > "Scan Settings" > "Default Address Setting"
Cannot write to USB memory. (When using USB Memory Scan.)	Is the connected USB device recognized correctly?	Use "USB-Device Check" in the system settings to check whether or not the device can be recognized. →System Settings > "USB-Device Check" If it is not recognized, connect it once again.

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PROBLEMS RELATED TO SCAN RESULTS

Problem	Point to check	Solution
The scanned image is clipped.	Is the original scan size setting smaller than the actual original size?	Set the scan size to the actual original size. If you have intentionally set a smaller size than the actual original size, note carefully the placement position of the selected scan size when placing the original. For example, when scanning an A4 (8-1/2" x 11") original using a B5 (5-1/2" x 8-1/2") setting on the document glass, align the original using the document glass scale at the left centre to fit the area you wish to scan into the B5 (5-1/2" x 8-1/2") scanning area. ☞ 1. BEFORE USING THE MACHINE "PLACING THE ORIGINAL ON THE DOCUMENT GLASS" (page 1-50)
The quality of the scanned image is poor.	Is the original printed matter such as a book or magazine?	When the original is printed matter, vertical patterns (moiré) may occur. Select the [Exposure] key in the base screen to open the exposure setting screen. The [Moiré Reduction] checkbox appears in this screen. This checkbox can be selected ☑ to reduce the moiré effect. (only in scan mode and USB memory scan mode) It may also be possible to reduce the moiré effect by changing the resolution setting or shifting the original (or changing its angle) slightly on the document glass.
	When scanning a colour or greyscale original, is the colour mode set to "Mono2"?	Setting the colour mode to "Mono2" replaces the colours in the original with either black or white. This is suitable for text-only originals; however, for originals that contain illustrations, it is best to use the [BLACK & WHITE START] key with the colour mode set to [Greyscale], or set the colour mode of the [COLOUR START] key to [Full Colour] or [Auto]-[Greyscale] and then scan.
	Is a destination included that has [TIFF-S] selected for the format?	When a broadcast transmission is performed that includes both scan mode destinations and Internet fax destinations that have [TIFF-S] selected for the format, the resolution will remain fixed at [200X200dpi] even if a different resolution setting is selected. If you wish to send an image scanned at high resolution to scan mode destinations, send the image in a separate transmission.
The scanned image is blank.	Is the original placed face up or face down correctly?	When using the document glass, the original must be placed face down. When using the automatic document feeder, the original must be placed face up.
The scanned image is upside down or on its side.	Are Internet fax addresses included in the transmission?	When both scan mode and Internet fax destinations are included in a broadcast transmission, the original transmission orientation of Internet fax takes precedence, and thus the file may not appear in the correct orientation when viewed on a computer. In this event, send the image to the scan mode destinations in a separate transmission.
The [COLOUR START] key indicator is not lit.	Are Internet fax or fax destinations included?	If Internet fax or fax destinations are included in the destinations, only the [BLACK & WHITE START] key can be used.

Problem	Point to check	Solution
JPEG was selected for the file type but the file was created as a TIFF file.	Did you press the [BLACK & WHITE START] key to begin scanning?	When [JPEG] is selected for the file type and the image is scanned in Mono 2, the file will be created as a TIFF file. To create the file as a JPEG file, change the colour mode to [Full Colour] and then press the [COLOUR START] key.
The image is too light or too dark. (When using PC Scan.)	Is the threshold value suitable?	When scanning from the TWAIN driver with [Mono 2 gradation] selected from the [Colour Mode] of the "Professional" window, check the "B/W Threshold" setting. A large threshold value makes the image darker and a small threshold value makes the image brighter. To adjust the "B/W Threshold" automatically, click the [Auto Threshold] button on the [Image] tab of the "Professional" window.
	Are the brightness and contrast settings suitable?	When the brightness and contrast settings are not suitable (for example, the scanned image is too bright), click the [Auto Brightness / Contrast Adjustment] button on the [Colour] tab of the "Professional" window. You can also click the [Brightness / Contrast] button to set the brightness and contrast while viewing the scanned image.

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PROBLEMS RELATED TO ONE-TOUCH INDIVIDUAL KEYS / GROUP KEYS

Problem	Point to check	Solution
A one-touch individual key or group key cannot be stored.	Has the maximum number of keys been stored?	Delete one-touch keys and group keys that are not being used.
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator.
A one-touch individual key or group key cannot be edited or deleted.	If the key is an individual key, is the key included in a group?	Remove the key from the group and then edit or delete the key. (If the key is included in multiple groups, it must be removed from all groups.) →"Address Book" (Web page only) If multiple group keys have been stored, print the Group List in "Sending Address List" in the system settings. The list will show where the key is stored. →System Settings > "List Print (User)" > "Sending Address List" > "Group List"
	Is the key being used in a reserved transmission or a transmission in progress?	Wait until the transmission is finished or cancel the transmission and then edit or delete the key.
	Is the key included in a program key?	Remove the key from the program and then edit or delete the key. (If the key is included in program, it must be removed from program.) →"Job Program" (Web page only) If multiple program keys have been stored, print the Program List in "Sending Address List" in the system settings. The list will show where individual and group keys are stored. →System Settings > "List Print (User)" > "Sending Address List" > "Program List"
	Have functions been disabled by the administrator?	Some functions may have been disabled in the system settings (administrator). Check with your administrator.
	Has your administrator enabled a function that prevents editing/deleting?	If your administrator has enabled "Default Address Setting" or "Inbound Routing Settings" (in the Web pages), editing/deleting will not be possible. Check with your administrator. →System Settings (Administrator) (Web page only) > "Image Send Settings" > "Scan Settings" > "Default Address" > "Default Address Setting" →Application Settings (Web page only) > "Inbound Routing Settings"

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If you are unable to solve a problem using the solutions in this manual, switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds, and then switch on the main power switch and the [POWER] key (⏻) in that order.

Caution:

When the LINE indicator is lit or the DATA indicator is lit or blinking, do not switch off the main power switch or unplug the power plug. This may damage the hard drive or cause the data being stored or received to be lost.

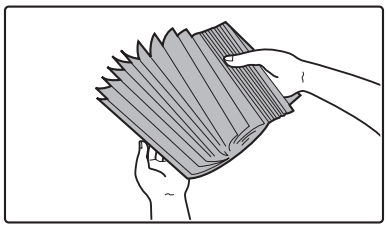
PROBLEMS RELATED TO MACHINE OPERATION

Problem	Point to check	Solution
Specified machine functions cannot be used.	Have functions been disabled by the administrator?	Some functions may have been disabled in the "User Control" (Web page only) or system settings (administrator). Check with your administrator. When user authentication is enabled, the functions that you can use and page counts may be restricted in your user settings. Check with your administrator.
The operation panel cannot be used.	Is the main power indicator lit?	If the main power indicator is not lit, make sure that the power plug is firmly inserted in the power outlet, switch the main power switch to the "on" position, and press the [POWER] key (⏻) to turn on the power.
	Did you just power on the machine?	After the [POWER] key (⏻) is turned on, the machine requires some time to complete warmup operation. During this time functions can be selected, however, a job cannot be run. Wait until a message appears indicating that the machine is ready.
	Is the [POWER SAVE] key (♲) blinking?	Auto Power Shut-Off mode has activated. To return the machine to normal operation, press the [POWER SAVE] key (♲). ☞ 1. BEFORE USING THE MACHINE "[POWER SAVE] KEY" (page 1-15)
	Is a cover open or a device separated from the machine?	A warning message will appear when a cover is open or a device is separated from the machine. Read the message and take appropriate action.
	Did login fail three times in a row?	When "A Warning when Login Fails" is enabled in the "User Control" (Web page only) and login fails 3 times in a row, a warning will be displayed and operation will lock for 5 minutes. After operation unlocks, log in using the correct user information. (If you do not know your user information, contact your administrator.)
	Does a message appear indicating that Auto Login failed?	Auto Login failed due to a problem on the network. Contact your administrator. If you are the administrator, select the [Admin Password] key, log in as an administrator, and temporarily change the auto login settings in the system settings (administrator). (Restore the changed settings to their original state after the network problem has been solved.)

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Problem	Point to check	Solution
The operation panel cannot be used.	Does the message "Call for service. Code:xx-xx*." appear in the display? *Letters and numbers appear in xx-xx.	Make sure that the LINE indicator is not lit and that the DATA indicator is not blinking or lit and then switch off the [POWER] key (⏻) and the main power switch. Wait at least 10 seconds and then switch the main power switch and the [POWER] key (⏻) back on in that order. If the message still appears after switching the [POWER] key (⏻) and main power switch off and on several times, it is likely that a failure has occurred that requires service. In this event, stop using the machine, unplug the power plug, and contact your dealer or nearest authorised service representative. (When contacting your dealer or nearest authorised service representative, inform them of the displayed error code.)
Printing is not possible or stops during a job.	Is a tray out of paper?	Add paper as instructed by the message in the display.
	Is the machine out of toner?	When toner runs low, a message will appear to inform you that the toner cartridge must be replaced. To replace the toner cartridge, see the Maintenance & Safety Guide.
	Has a paper misfeed occurred?	Remove the misfeed as instructed by the message in the display. ☞ REMOVING MISFEEDS (page 7-2)
	Is the output tray full?	When the output tray becomes full, a detector activates and stops printing. Remove the output from the tray and resume printing.
	Is the toner collection container full?	Replace the toner collection container as instructed by the message in the display. ☞ Maintenance & Safety Guide
	In the Paper Tray Settings of the system settings, are restrictions placed on the trays that can be used in each mode (copy, print, fax, Internet fax, and document filing)?	Check the Paper Tray Settings and see if checkmarks appear in the checkboxes of each mode (Feeding Approved Job). Functions without a checkmark cannot be used for printing using that tray. → System Settings > "Paper Tray Settings" > "Tray Settings" > "Change" > ☑ (Each mode)
The wrong size is selected.	Has the correct original size been set?	When an original is placed, the detected original size is displayed. If the original size displayed in this key is different from the size of the original you placed, be sure to select this key and specify the correct size.
The displayed bypass tray paper size is not correct.	Is the bypass tray extension pulled out?	When loading paper in the bypass tray, be sure to pull out the extension to enable the paper size to be detected correctly.

PROBLEMS RELATED TO PAPER FEEDING AND OUTPUT

Problem	Point to check	Solution
The original misfeeds (automatic document feeder).	Is too much paper loaded in document feeder tray?	Make sure that the stack of paper in the tray is not higher than the indicator line.
	Is the original a long original?	When using the automatic document feeder to scan a long original, set the scan size to [Long Size]. (Note that long originals cannot be copied using the copy function.)
	Is the original on thin paper?	Use the document glass to scan the original. If you need to use the automatic document feeder, use slow scan mode in the special modes to scan the original.
	Is the feed roller dirty?	Clean the surface of the original feed roller. ☞ Maintenance & Safety Guide
The paper misfeeds.	Is a torn piece of paper remaining in the machine?	Make sure all paper is removed. ☞ REMOVING MISFEEDS (page 7-2)
	Is too much paper loaded in the tray?	Make sure that the stack of paper in the tray is not higher than the indicator line.
	Are multiple sheets feeding at once?	Fan the paper well before loading it. 
	Are you using paper that is not within the specifications?	Use SHARP-recommended paper. Using paper that is not supported may result in misfeeds, creases, or smudges. Please use SHARP-recommended paper and label sheets. For details, contact your dealer or nearest authorised service representative. For paper that is prohibited or not recommended, see "USEABLE PAPER" (page 1-40) in "1. BEFORE USING THE MACHINE".
	Has the paper in the tray absorbed moisture?	If you will not be using paper in a tray for a long time, remove the paper from the tray and store it in a bag in a dark and dry location.
	Are the bypass tray guides adjusted to the width of the paper?	Adjust the bypass tray guides to the width of the paper.
	Is the bypass tray extension pulled out?	When loading a large size of paper, pull out the extension.
	Is the bypass feed roller dirty?	Clean the surface of the bypass feed roller. ☞ Maintenance & Safety Guide

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Problem	Point to check	Solution
The paper misfeeds.	Has the correct paper size been set?	If you are using a special size, be sure to specify the paper size. If the size of paper loaded in a tray was changed, be sure to check the paper size setting. →System Settings > "Paper Tray Settings" > "Tray Settings"
	Did you add paper to the bypass tray?	When adding paper, remove any paper remaining in the bypass tray, combine it with the paper to be added, and reload as a single stack. If paper is added without removing the remaining paper, a misfeed may result.
Paper does not feed from the paper tray.	Is the paper loaded correctly in the paper tray?	Set the guides to the size of the paper. Make sure the height of the paper does not exceed the indicator line.
	In the Paper Tray Settings of the system settings, are restrictions placed on the trays that can be used in each mode (copy, print, fax, Internet fax, and document filing)?	Check the Paper Tray Settings and see if checkmarks appear in the checkboxes of each mode (Feeding Approved Job). Functions without a checkmark cannot be used for printing using that tray. →System Settings > "Paper Tray Settings" > "Tray Settings" > "Change" > (Each mode)
The image on paper is skewed.	Is too much paper loaded in the bypass tray?	Do not load more than the maximum number of sheets. The maximum number of sheets varies depending on the paper type setting. For more information, see "SPECIFICATIONS" in the Maintenance & Safety Guide.
	Are the bypass tray guides adjusted to the width of the paper?	Adjust the bypass tray guides to the width of the paper.
	Are the original guides adjusted to the width of the paper?	Adjust the original guides to the width of the paper.
The automatic document feeder does not operate.	Have functions been disabled by the administrator?	Some functions may have been disabled in the "User Control" (Web page only) or system settings (administrator). Check with your administrator.

PROBLEMS RELATED TO QUALITY / PRINT RESULTS

Problem	Point to check	Solution
Lines appear in the scanned image.	Are the scanning areas of the document glass or automatic document feeder dirty?	Clean the scanning areas of the document glass or automatic document feeder. ☞ Maintenance & Safety Guide
	Is the paper feed roller or the bypass feed roller dirty?	Clean the surface of the paper feed roller or the bypass feed roller. ☞ Maintenance & Safety Guide

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Problem	Point to check	Solution
Smudges appear on printed output.	Are you using paper that is not within the specifications?	Use SHARP-recommended paper. Using paper that is for other models or special paper that is not supported may result in misfeeds, creases, or smudges. Please use SHARP-recommended paper and label sheets. For details, contact your dealer or nearest authorised service representative.
	Are you printing on pre-punched paper?	If the printed image overlaps the punch holes, smudges may appear on the reverse side of the paper following one-sided printing, or on both sides following two-sided printing. Take care that the image does not overlap the punch holes.
	Is the laser unit, the main charger, or the PT charger dirty?	If these units are dirty, smudges appear upon print results. Clean these units periodically. For cleaning, see "Maintenance & Safety Guide".
	Does a message appear indicating the need for maintenance?	Contact your dealer or nearest authorised service representative as soon as possible.
Toner does not adhere well or creases appear in the paper.	Are you using paper that is not within the specifications?	Use SHARP-recommended paper. Using paper that is for other models or special paper that is not supported may result in misfeeds, creases, or smudges. Please use SHARP-recommended paper and label sheets. For details, contact your dealer or nearest authorised service representative.
	Did you set the correct paper type?	Set the correct paper type in the tray settings. Make sure that the following has not occurred: • Heavy paper is being used, but a paper type other than heavy paper is selected in the tray settings. (The image may disappear if rubbed.) • Paper other than heavy paper is being used, but heavy paper is selected in the tray settings. (This may cause creases and misfeeds.) → System Settings > "Paper Tray Settings" > "Tray Settings"
	Is the paper loaded so that printing takes place on the reverse side?	If printing takes place on the wrong side of label sheets or transparency film, the toner may not adhere well and a clear image may not be obtained.
Print quality is poor.	Is "Toner Save Mode" enabled?	When "Toner Save Mode" is enabled, printing takes place using less toner and thus the print result is lighter. Check with your administrator.
Part of the image is cut off.	Has the correct paper size been set?	If you are using a special size, be sure to specify the paper size. If the size of paper loaded in a tray was changed, be sure to check the paper size setting. → System Settings > "Paper Tray Settings" > "Tray Settings"
	Was the original placed in the correct position?	If you are using the document glass, be sure to place the original in the left centre of the document glass. ☞ 1. BEFORE USING THE MACHINE "PLACING THE ORIGINAL ON THE DOCUMENT GLASS" (page 1-50)

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Problem	Point to check	Solution
Printing takes place on the wrong side of the paper.	Is the paper loaded with the print side facing in the correct direction?	• Trays 1 to 4: Load the paper with the front side facing up*. • Bypass tray: Load the paper with the front side facing down*. * When the paper type is "Pre-Punched", "Pre-Printed" or "Letter Head", load the paper in the opposite way. (Except when "Disabling of Duplex" is enabled in the system settings (administrator). For the current setting, check with your administrator.)
A cover or insert is not printed on the specified paper.	Has the paper type been set correctly?	If the paper type set for the cover or insert is not the same as the paper type set for the tray, paper will be fed from a different tray. Set the correct paper type for the tray that contains the paper specified for the cover or insert. → System Settings > "Paper Tray Settings" > "Tray Settings"

PROBLEMS RELATED TO PERIPHERAL DEVICES

Problem	Point to check	Solution
The connected USB device cannot be used.	Is the USB device compatible with the machine?	Ask your dealer if the device is compatible with the machine.
	Is the connected USB device recognized correctly?	Use "USB-Device Check" in the system settings to check whether or not the device can be recognized. → System Settings > "USB-Device Check" If it is not recognized, connect it once again.
The connected USB memory cannot be used.	Is the format of the USB memory FAT32?	If the format of the USB memory is other than FAT32, use your computer to change the format to FAT32.
	Are you using a USB memory with a capacity of more than 32 GB?	Use a 32 GB or less USB memory.
The finisher does not operate.	Does a message appear indicating that you need to remove paper from the stapler compiler?	Remove all remaining paper from the stapler compiler.
	Does the following message appear in the display? "Call for service. Code:xx-xx. Finisher trouble." *Letters and numbers appear in xx-xx.	Check the connection cable. Remove and then firmly reinsert the connection cable, and restart the machine.
Stapling does not take place.	Does a message appear instructing you to check the staple unit?	Remove jammed staples. ☞ "REMOVING STAPLE JAMS" (page 7-6)
	Does a message appear instructing you to add staples?	Replace the staple cartridge. Do not forget to replace the staple case. ☞ "REMOVING STAPLE JAMS" (page 7-6)

Problem	Point to check	Solution
Stapling does not take place.	Is a different width of paper mixed in?	Stapling is not possible when paper of different widths are mixed together. To perform mixed size stapling, use paper of the same width. When copying, select [Mixed Size Original] in the special modes.
	Are there more sheets than can be stapled at once?	For the maximum number of sheets that can be stapled, see "SPECIFICATIONS" in the Maintenance & Safety Guide.
	Is a paper size that cannot be stapled included in the print job?	For the paper sizes that can be stapled, see "SPECIFICATIONS" in the Maintenance & Safety Guide.
	Is the paper type setting of the tray selected in the printer driver set to a paper type that cannot be stapled?	Check the paper type settings in the machine and select a tray that has paper that can be used for stapling*. Click the [Tray Status] button in "Paper Selection" on the [Paper] tab of the printer properties window and check the paper type setting of each tray. * Stapling is not possible on labels, transparency film, or envelopes. In addition, if "Disable Staple" is selected in the user type, stapling will not be possible.
	Have functions been disabled by the administrator?	Some functions may have been disabled in the "User Control" (Web page only) or system settings (administrator). Check with your administrator.
The stapling position is not correct.	Is the stapling position set correctly?	Check the stapling position setting. ☞ 2. COPIER "OUTPUT" (page 2-33)

OTHER PROBLEMS

Problem	Point to check	Solution
Preview images or thumbnail images do not appear.	Are there a number of jobs waiting to be executed?	Wait until several of the jobs have been executed.
The display screen is difficult to view.	Is the display contrast properly adjusted?	Adjust the display contrast with "Display Contrast" in the system settings.
You were logged out without having performed logout yourself.	Did Auto Clear activate?	When user authentication is used, the currently logged in user will be automatically logged out if Auto Clear activates. (Except when in PC scan mode.) Log in again. If you are the administrator, you can change the time setting of Auto Clear or disable Auto Clear in "Auto Clear Setting". → System Settings (Administrator) (Web page only) > "Operation Settings" > "Other Settings" > "Auto Clear Setting"

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Problem	Point to check	Solution
You forgot the administrator password.	Was the administrator password changed from the factory default setting?	Contact your dealer or nearest authorised service representative. For the factory default administrator password, see "TO THE ADMINISTRATOR OF THE MACHINE" in the Maintenance & Safety Guide. After changing the password, take special care to remember it.

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MODEL: MX-C310
MX-C380
MX-C400



SHARP

SHARP CORPORATION

MXC310-EX-Z1