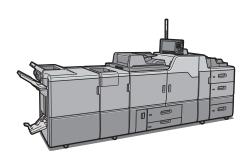


Pro C651EX/C751EX

Operating Instructions Network and System Settings Reference



- 1 System Settings
- 2 Connecting the Machine
- 3 Monitoring and Configuring the Machine
- 4 Registering Addresses and Users for Scanner Functions
- 5 Adjustment Settings for Operators
- 6 Appendix

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Manuals for This Machine

Read this manual carefully before you use this machine.

Refer to the manuals that are relevant to what you want to do with the machine.

Mportant !

- Media differ according to manual.
- The printed and electronic versions of a manual have the same contents.
- Adobe[®] Acrobat[®] Reader[®]/Adobe Reader must be installed in order to view the manuals as PDF files.
- A Web browser must be installed in order to view the html manuals.

About This Machine

Before using the machine, be sure to read the section of this manual entitled Safety Information.

This manual introduces the machine's various functions. It also explains the control panel, preparation procedures for using the machine, how to enter text, how to install the CD-ROMs provided, and how to replace paper, toner, staples, and other consumables.

Troubleshooting

Provides a guide for resolving common usage-related problems.

Copy and Document Server Reference

Explains Copier and Document Server functions and operations. Also refer to this manual for explanations on how to place originals.

Scanner Reference

Explains Scanner functions and operations.

Network and System Settings Reference

Explains how to connect the machine to a network and how to configure and operate the machine in a network environment. It also explains how to change System Settings, how to specify Adjustment Settings for Operators, and how to register information in the Address Book.

Paper Settings Reference

Explains how to make paper settings for each tray using the paper library, which contains optimum printing conditions. It also explains how to manually specify a paper size and type for a paper tray.

Security Reference

This manual is for administrators of the machine. It explains security functions that you can use to prevent unauthorized use of the machine, data tampering, or information leakage. For enhanced security, we recommend that you first make the following settings:

- Install the Device Certificate.
- Enable SSL (Secure Sockets Layer) Encryption.

• Change the user name and password of the administrator using Web Image Monitor.

For details, see "Setting up the Machine", Security Reference.

Be sure to read this manual when setting the enhanced security functions, or user and administrator authentication.

Guide to Paper

Explains paper characteristics and methods for handling paper.

VM Card Extended Feature Settings Device Reference

Explains how to set up the extended features settings with the machine.

VM Card Extended Feature Settings Web Reference

Explains how to set up the extended features settings using Web Image Monitor.



- Manuals provided are specific to machine types.
- In addition to the above, manuals are also provided for the Printer function.

Notice

Important

In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

For good copy quality, the manufacturer recommends that you use genuine toner from the manufacturer.

The manufacturer shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the manufacturer with your office products.

How to Read This Manual

Symbols

This manual uses the following symbols:

Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

U Note

Indicates supplementary explanations of the machine's functions, and instructions on resolving user errors.

■ Reference

This symbol is located at the end of sections. It indicates where you can find further relevant information.

[]

Indicates the names of keys on the machine's display or control panels.

Region A (mainly Europe and Asia)

Region B (mainly North America)

Differences in the functions of Region A and Region B models are indicated by two symbols. Read the information indicated by the symbol that corresponds to the region of the model you are using. For details about which symbol corresponds to the model you are using, see p.13 "Model-Specific Information".

Names of Major Items

Major items of this machine are referred to as follows in this manual:

- Auto Document Feeder → ADF
- Multi-Folding Unit FD5010 (optional) → Multi-folding unit

Notes

Contents of this manual are subject to change without prior notice.

Colors on color keys or the color circle may differ slightly from the colors of actual copies.

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Depending on which country you are in, certain units may be optional. For details, please contact your local dealer.

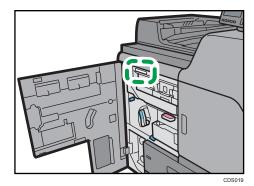
About IP Address

In this manual, "IP address" covers both IPv4 and IPv6 environments. Read the instructions that are relevant to the environment you are using.

Model-Specific Information

This section explains how you can identify the region your machine belongs to.

The image below shows a label that is located behind the front left cover on the inside of the machine. The label contains details that identify the region your machine belongs to. Read the label.



The following information is region-specific. Read the information under the symbol that corresponds to the region of your machine.

Region A (mainly Europe and Asia)

If the label contains the following, your machine is a region A model:

- CODE XXXX -27
- 220-240V

Region (mainly North America)

If the label contains the following, your machine is a region B model:

- CODE XXXX -17
- 208-240V



• Dimensions in this manual are given in two units of measure: metric and inch. If your machine is a Region A model, refer to the metric units. If your machine is a Region B model, refer to the inch units.

Display Panel

The display panel shows machine status, error messages, and function menus.

The function items displayed serve as selector keys. You can select or specify an item by lightly pressing it.

When you select or specify an item on the display panel, it is highlighted like Program / Change... Keys appearing cannot be used.

To display the following screen, press the [User Tools] key to display the User Tools menu, and then press [System Settings].

Using the System Settings menu screen as an example, this section explains how to use the machine's display panel.



- 1. The menu tabs for various settings appear. To display the setting you want to specify or change, press the appropriate menu tab.
- 2. A list of settings appears. To specify or change a setting, press the appropriate key in the list.
- 3. Press this to quit the User Tools menu.

Accessing User Tools

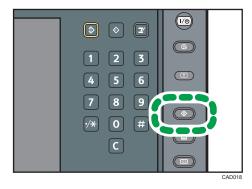
User Tools allow you to change or set defaults.



- Operations for system settings differ from normal operations. Always quit User Tools when you have finished.
- Any changes you make with User Tools remain in effect even if the main power switch or operation switch is turned off, or the [Energy Saver] or [Clear Modes] key is pressed.

Changing Default Settings

- If Administrator Authentication Management is specified, contact your administrator.
- 1. Press the [User Tools] key.



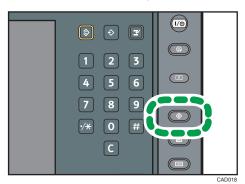
- 2. Press [System Settings].
- 3. Select the user tool you want to change.
- 4. Change settings by following instructions on the display, and then press [OK].



- For details about specifying System Settings, see p.17 "System Settings".
- For details about changing the language, see "Changing the Display Language", About This Machine.
- For details about checking inquiry and counter, see "Remarks", About This Machine.

Quitting User Tools

1. Press the [User Tools] key.





• You can also quit User Tools by pressing [Exit].

1. System Settings

This chapter describes user tools in the System Settings menu.

General Features

This section describes the user tools in the General Features menu under System Settings.

Program / Change / Delete User Text

You can register text phrases you often use when specifying settings, such as ".com" and "Regards".

You can register up to 40 entries.

- Program / Change
 - 1. Press the [User Tools] key.
 - 2. Press [System Settings].
 - 3. Check that [General Features] is selected.
 - 4. Press [Program / Change / Delete User Text].
 - 5. Check that [Program / Change] is selected.
 - 6. Select the user text you want to change.

To program new user text, press [*Not Programmed].

7. Enter the user text, and then press [OK].

Enter the user text using up to 80 characters.

- 8. Press [Exit].
- 9. Press the [User Tools] key.
- Delete
 - 1. Press the [User Tools] key.
 - 2. Press [System Settings].
 - 3. Check that [General Features] is selected.
 - 4. Press [Program / Change / Delete User Text].
 - 5. Press [Delete].
 - 6. Select the user text you want to delete.
 - 7. Press [Yes].
 - 8. Press [Exit].
 - 9. Press the [User Tools] key.

Panel Key Sound

The beeper (key tone) sounds when a key is pressed.

Т

Default: [Medium]

Warm-up Beeper (copier/Document Server)

You can have the beeper sound when the machine becomes ready to copy after leaving Energy Saver mode, or when the power is turned on.

Default: [On]

If the Panel Key Sound setting is [Off], the beeper does not sound, whatever the Warm-up Beeper setting.

Copy Count Display (copier/Document Server)

The copy counter can be set to show the number of copies made (count up) or the number of copies yet to be made (count down).

Default: [Up]

Function Priority

Specify the mode to be displayed immediately after the operation switch is turned on, or when System Reset mode is turned on.

Default: [Copier]

Print Priority

Print Priority is given to the mode selected.

Default: [Display Mode]

Function Reset Timer

You can set the length of time the machine waits before changing modes when using the multi-access function.

This is useful if you are making many copies and have to change settings for each copy. If you set a longer reset period, you can prevent interruption from other functions.

Default: [Set Time], [3 second(s)]

When you select [Set Time], enter the time (3-30 seconds, in 1 second increments) using the number keys.

The Function Reset Timer setting is ignored if [Interleave] or [Job Order] is set for Print Priority.

Time Interval between Printing Jobs

Specify interval time after printing is completed until starting the next printing.

Default: [Set Time], [3 second(s)]

By selecting [Set Time], you can specify an interval time between 0 and 999 seconds.

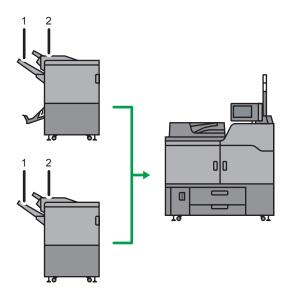
Screen Colour Setting

You can select the screen color among from five types.

Default: [Grey Type]

Output: Copier

Specify a tray to which documents are delivered.



CDS004

- 1. Finisher Shift Tray
- 2. Finisher Upper Tray

Default: [Finisher Upper Tray]

Output: Document Server

Specify a tray to which documents are delivered.

Default: [Finisher Upper Tray]

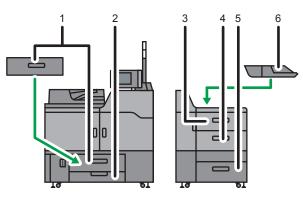
Output: Printer

Specify a tray to which documents are delivered.

Default: [Finisher Upper Tray]

Paper Tray Priority: Copier (copier/Document Server)

Specify the tray to supply paper for output.



CDS006

- 1. Tray 1
- 2. Tray 2
- 3. Tray 3
- 4. Tray 4
- 5. Tray 5
- 6. Tray 6

Default: [Tray 1]

Paper Tray Priority: Printer

Specify a tray to supply paper for output.

Default: [Tray 1]

Key Repeat

You can enable or disable repetition of an operation if a key on the screen or control panel is pressed continuously.

Default: [Normal]

ADF Original Table Elevation

Set when to raise the ADF plate after placing originals on the Auto Document Feeder (ADF).

Default: [When Original is Set]

System Status/Job List Display Time

Specify how long to display the System Status and Job List display for.

Default: [On], [15 second(s)]

By selecting [On], you can specify a display time between 10 and 999 seconds.

Interleave Print

You can set the timing for changing modes when Print Priority has been set to [Interleave].

Default: [10 sheet(s)]

You can set the number from 1 to 20 sheets using the number keys.

Status Indicator

You can specify whether the status indicator shows the machine status or not.

Default: [On]

Z-fold Position

If you specify Z-folding, set the fold-back position in 1 mm (0.04 inch) increments. The setting ranges of the folding position for each paper size are shown below:

- A3: 2 25 mm (0.08 1.00 inch)
- B4 JIS: 2 17 mm (0.08 0.68 inch)
- A4: 2 17 mm (0.08 0.68 inch)
- 11 × 17: 2 20 mm (0.08 0.80 inch)
- 81/2 × 14: 2 17 mm (0.08 0.68 inch)
- 81/2 × 11: 2 17 mm (0.08 0.68 inch)
- Others: 2 17 mm (0.08 0.68 inch)

Default: [2 mm]/[0.08 inch]

This setting appears only when the multi-folding unit is installed.

Half Fold Position

If you specify half folding, set the fold-back position in 1 mm (0.04 inch) increments. Specify this separately for single-sheet fold and multi-sheet fold. You can adjust the position to between ⁻10 and ⁺10 mm (⁻0.40 and ⁺0.40 inch).

Default: [0 mm]/[0.00 inch]

This setting appears only when the multi-folding unit is installed.

Letter Fold-out Position

If you specify letter fold-out folding, set the fold-back position in 1 mm (0.04 inch) increments. Specify this for single-sheet fold. It is not possible to apply multi-sheet fold. You can adjust the position to between -10 and +10 mm (-0.40 and +0.40 inch).

Default: [4 mm]/[0.16 inch]

This setting appears only when the multi-folding unit is installed.

Letter Fold-in Position

If you specify letter fold-in folding, set the fold-back position in 1 mm (0.04 inch) increments. Specify this separately for single-sheet fold and multi-sheet fold. You can adjust the position to between 2 and 7 mm (0.08 and 0.28 inch).

Default: [4 mm]/[0.16 inch]

This setting appears only when the multi-folding unit is installed.

Double Parallel Fold Position

If you specify double parallel folding, set the fold-back position in 1 mm (0.04 inch) increments. You can adjust the position to between -10 and +10 mm (-0.40 and +0.40 inch).

Default: [0 mm]/[0.00 inch]

This setting appears only when the multi-folding unit is installed.

Gate Fold Position

If you specify gate folding, set the fold-back position in 1 mm (0.04 inch) increments. You can adjust the position to between 2 and 12 mm (0.08 and 0.48 inch).

Default: [4 mm]/[0.16 inch]

This setting appears only when the multi-folding unit is installed.



• For details on how to access System Settings, see p.15 "Accessing User Tools".

1

Timer Settings

This section describes the user tools in the Timer Settings menu under System Settings.

Auto Off Timer

After a specified period has passed, following job completion, the machine automatically turns off, in order to conserve energy. This function is called "Auto Off".

The machine status after the Auto Off operation is referred to as "Off mode", or "Sleep mode".

For the Auto Off Timer, specify the time to elapse before Auto Off.

You can specify this setting only if [Auto Off Setting] is set to [Enable] in [Administrator Tools] in [System Settings].

Default: [60 minute(s)]

The time can be set from 1 to 240 minutes, using the number keys.

Auto Off Timer may not work when error messages appear.

Depending on which Embedded Software Architecture application is installed on it, the machine might take longer than indicated to enter Sleep Mode.

Energy Saver Timer

Set the amount of time the machine waits before switching to lower-power mode after copying has finished or the last operation is performed.

Default: [15 minute(s)]

The time can be set from 1 to 240 minutes, using the number keys.

Energy Saver Timer may not work when error messages appear.

Panel Off Timer

Set the amount of time the machine waits before switching the panel off after copying has finished or the last operation is performed.

Enter a time interval between 10 seconds and 240 minutes, using the number keys.

Default: [On], [1 min. 0 sec.]

Panel Off Timer may not work when error messages appear.

System Auto Reset Timer

The System Reset setting automatically switches the screen to that of the function set in Function Priority when no operations are in progress, or when an interrupted job is cleared. This setting determines the system reset interval.

The time can be set from 10 to 999 seconds, using the number keys.

Default: [On], [60 second(s)]

Copier / Document Server Auto Reset Timer

Specifies the time to elapse before copier and Document Server modes reset.

1

If [Off] is selected, the machine does not automatically switch to the user code entry screen.

The time can be set from 10 to 999 seconds, using the number keys.

Default: [On], [60 second(s)]

Scanner Auto Reset Timer

Specify the time to elapse before the scanner function resets.

If [Off] is selected, the machine will not automatically switch to the user code entry screen.

The time can be set from 10 to 999 seconds, using the number keys.

Default: [On], [60 second(s)]

Set Date

Set the date for the copier's internal clock using the number keys.

To change between year, month, and day, press $[\leftarrow]$ and $[\rightarrow]$.

Set Time

Set the time for the copier's internal clock using the number keys.

To change between hours, minutes and seconds, press $[\leftarrow]$ and $[\rightarrow]$.

Region A (mainly Europe and Asia)

Enter the time using the 24-hour format (in 1 second increments).

Region B (mainly North America)

Enter the time using the 12-hour format (in 1 second increments).

Auto Logout Timer

Specify whether or not to automatically log out a user when the user does not operate the machine for a specified period of time after logging in.

The time can be set from 60 to 999 seconds, in one second increments, using the number keys.

Default: [On], [180 second(s)]

Weekly Timer Code

Set a password (using not more than eight digits) for turning on the power during the time periods when "Weekly Timer" turns off the machine's power.

In order to make this setting, administrator authentication must be enabled. For details, consult your administrator.

Default: [Off]

If you have selected "On", enter the password.

When you select "On", you cannot use the machine even if you turn the power switch to "On", unless you enter the password.

If you select "Off", you do not have to enter a password to switch on the machine, you need only turn the power switch to "On".

Weekly Timer: Monday - Sunday

Set the daily time when the power is switched on/off.

- Power On Time
- Power Off Time

Region A (mainly Europe and Asia)

Enter the time using the 24-hour system.

Region B (mainly North America)

Enter the time using the 12-hour system.

Enter the "hour" and "minute" using the number keys.



• For details on how to access System Settings, see p.15 "Accessing User Tools".

Interface Settings

This section describes the user tools in the Interface Settings menu under System Settings.

Network

This section describes the user tools in the Network menu under Interface Settings.

Machine IPv4 Address

Specify the machine's IPv4 network address.

Default: [Auto-Obtain (DHCP)]

When you select [Specify], enter the IPv4 address and subnet mask as "xxx.xxx.xxx.xxx" ("x" indicates a number).

When you select [Specify], make sure that IPv4 address is different from that of other machines on the network.

The physical address (MAC address) also appears.

IPv4 Gateway Address

A gateway is a connection or interchange point between two networks.

Specify the gateway address for the router or host computer used as a gateway.

Default: [0.0.0.0]

Machine IPv6 Address

Displays the machine's IPv6 network address.

Link-local Address

The machine's specified link-local address appears.

Manual Configuration Address

The machine's manually configured address appears.

• Stateless Address: 1-5

The specified stateless address appears.

IPv6 Gateway Address

Displays the machine's IPv6 gateway address.

IPv6 Stateless Address Autoconfiguration

Specify IPv6 Stateless Address Autoconfiguration.

Default: [Active]

DNS Configuration

Make settings for the DNS server.

Default: [Auto-Obtain (DHCP)]

When you select [Specify], enter the DNS Server IPv4 address as "xxx.xxx.xxx.xxx" ("x" indicates a number).

DDNS Configuration

Specify the DDNS settings.

Default: [Active]

IPsec

Specify the machine's IPsec function Active/Inactive.

Default: [Inactive]

For details about this function, consult your administrator.

Domain Name

Specify the domain name.

Default: [Auto-Obtain (DHCP)]

When you select [Specify], enter the domain name using up to 63 characters.

WINS Configuration

Specify the WINS server settings.

Default: [On]

If [On] is selected, enter the WINS Server IPv4 address as "xxx.xxx.xxx" ("x" indicates a number).

Enter a Scope ID using up to 31 characters.

Do not enter "255.255.255.255" as the primary or secondary WINS server address.

Effective Protocol

Select the Protocol to use in the network.

Default for "IPv4": [Active]

Default for "IPv6": [Inactive]

Default for "NetWare": [Inactive]

Default for "SMB": [Active]

NCP Delivery Protocol

Select the protocol NCP delivery.

Default: [TCP / IP Priority]

If you select [IPX Only] or [TCP / IP Only], you cannot switch the protocol even if you cannot connect with it. If "NetWare" in "Effective Protocol" is set to [Inactive], you can only use TCP/IP.

NW Frame Type

Select the frame type when you use NetWare.

Default: [Auto Select]

1

SMB Computer Name

Specify the SMB computer name.

Enter the computer name using up to 15 characters.

"*+,/:;<>= $?[\]$]. and spaces cannot be entered.

Do not enter a computer name starting with RNP and rnp.

Use uppercase letters for alphabets.

SMB Work Group

Specify the SMB work group.

Enter the computer name using up to 15 characters.

" $*+,/:;<>=?[\]$ and spaces cannot be entered.

Use uppercase letters for alphabet.

Ethernet Speed

Set the access speed for networks.

Default: [Auto Select]

Select a speed that matches your network environment. [Auto Select] should usually be selected.

		Machine Setting				
		10Mbps Half Duplex	10Mbps Full Duplex	100Mbps Half Duplex	100Mbps Full Duplex	Auto Select
	10Mbps Half Duplex	0	_	_	_	0
Ę	10Mbps Full Duplex	_	0	_	_	_
Connection	100Mbps Half Duplex	_	_	0	_	0
ŏ	100Mbps Full Duplex	_	_	_	0	_
	Auto Select*	0	_	0	_	0

^{*}Terms will vary depending on the network.

O Connectable

Not Connectable

BZU022

Ping Command

Check the network connection with ping command using the given IPv4 address.

If you fail to connect to the network, check the following, and then retry the ping command.

• Make sure that "IPv4" in [Effective Protocol] is set to [Active].

- Check that the device with assigned IPv4 address is connected to the network.
- Check that the IPv4 address assigned to the device is not already being used by another device
 on the network.

Permit SNMPv3 Communication

Set the encrypted communication of SNMPv3.

Default: [Encryption / Cleartext]

If you select [Encryption Only], you need to specify the encryption password for the machine.

Permit SSL / TLS Communication

Set the encrypted communication of SSL/TLS.

Default: [Ciphertext Priority]

If you select [Ciphertext Only], you need to install the SSL certificate for the machine.

Host Name

Specify the host name.

Enter the host name using up to 63 characters.

You cannot enter a host name starting or ending with a hyphen.

You cannot enter a host name starting with "RNP" or "rnp".

Machine Name

Specify the machine name.

Enter the machine name using up to 31 characters.

IEEE 802.1X Authentication for Ethernet

Specify the IEEE 802.1X authentication for Ethernet.

Default: [Inactive]

For details about IEEE 802.1X authentication, see p.219 "Configuring IEEE 802.1X".

Restore IEEE 802.1X Authentication to Defaults

You can reset the IEEE 802.1X authentication settings to their defaults.

For details about IEEE 802.1X authentication, see p.219 "Configuring IEEE 802.1X".



• For details on how to access System Settings, see p.15 "Accessing User Tools".

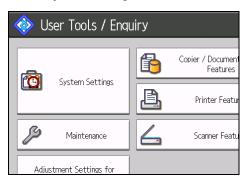
Print List

This section describes how to print the configuration page.

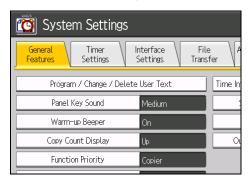
You can check items related to the network environment.

The configuration page shows the current network settings and network information.

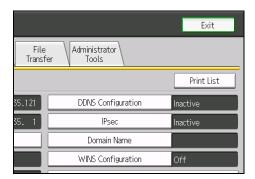
- 1. Press the [User Tools] key.
- 2. Press [System Settings].



3. Press [Interface Settings].



4. Press [Print List].



5. Press the [Start] key.

The configuration page is printed.

- 6. Press [Exit].
- 7. Press the [User Tools] key.

File Transfer

This section describes the user tools in the File Transfer menu under System Settings.

SMTP Server

Specify the SMTP server name.

If DNS is in use, enter the host name.

If DNS is not in use, enter the SMTP server IPv4 address.

Default for "Port No.": [25]

Enter the server name using up to 127 characters. Spaces cannot be entered.

Enter port number between 1 and 65535 using the number keys, and then press the [#] key.

SMTP Authentication

Specify SMTP authentication (PLAIN, LOGIN, CRAM-MD5, DIGEST-MD5). When sending e-mail to an SMTP server, you can enhance the SMTP server security level using authentication that requires entering the user name and password.

If the SMTP server requires authentication, set [SMTP Authentication] to [On], and then specify the user name, password and encryption.

Default: [Off]

User Name

Enter the user name using up to 191 characters.

Spaces cannot be entered. Depending on the SMTP server type, "realm" must be specified. Add "@" after the user name, as in "user name@realm".

E-mail Address

Enter the E-mail address using up to 128 characters.

Password

Enter the password using up to 128 characters.

Spaces cannot be entered.

Encryption

Select Encryption as follows:

[Auto]

Use if the authentication method is PLAIN, LOGIN, CRAM-MD5, or DIGEST-MD5.

[On]

Use if the authentication method is CRAMMD5 or DIGEST-MD5.

[ffO]

Use if the authentication method is PLAIN, or LOGIN.

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POP before SMTP

Specify POP authentication (POP before SMTP).

When sending e-mail to an SMTP server, you can enhance the SMTP server security level by connecting to the POP server for authentication.

Default: [Off]

If you set POP before SMTP to [On], specify the waiting time after authentication, user name, e-mail address, and password.

• Wait Time after Authent.

Default: [300 msec.]

Specify [Wait Time after Authent.] from zero to 10,000 milliseconds, in increments of one millisecond.

User Name

Enter the user name using up to 191 characters. Spaces cannot be entered.

E-mail Address

Enter the E-mail Address using up to 128 characters. Spaces cannot be entered.

Password

Enter the password using up to 128 characters. Spaces cannot be entered.

To enable POP server authentication before sending e-mail via the SMTP server, set [POP before SMTP] to [On]. E-mail is sent to the SMTP server after the time specified for [Wait Time after Authent.] has elapsed.

If you select [On], enter server name in POP3/IMAP4 Settings. Also, check POP3 port number in Email Communication Port.

Reception Protocol

Specify the reception protocol for receiving e-mail.

Default: [POP3]

POP3 / IMAP4 Settings

Specify the POP3/IMAP4 server name for receiving e-mail.

The specified POP3/IMAP4 server name is used for [POP before SMTP].

Server Name

If DNS is in use, enter the host name.

If DNS is not in use, enter the POP3/IMAP4 or server IPv4 address.

Enter POP3/IMAP4 server name using up to 127 characters. Spaces cannot be entered.

Encryption

Default: [Auto]

Select Encryption as follows:

[Auto]

Password encryption is automatically set according to the POP/IMAP server settings.

[On]

Encrypt password.

[Off]

Do not encrypt password.

Administrator's E-mail Address

Specify the administrator's e-mail address.

On e-mailed scanned documents, if the sender is not specified this appears as the sender's address.

Enter up to 128 characters.

On e-mailed scanned documents, if [Auto Specify Sender Name] is [Off], specify the sender.

E-mail Communication Port

Specify the port numbers for receiving e-mail. The specified POP3 port number is used for [POP before SMTP].

Default for "POP3": [110]
Default for "IMAP4": [143]

Enter a port number between 1 and 65535 using the number keys, and then press the [#] key.

E-mail Reception Interval

Specify, in minutes, the time interval for receiving e-mail via POP3 or IMAP4 server.

Default: [On], [15 minute(s)]

If [On] is selected, the time can be set from 2 to 1440 minutes in increments of one minute.

Max. Reception E-mail Size

Specify the maximum reception e-mail size.

Default: [2 MB]

Enter a size from 1 to 50 MB in increments of one megabyte.

E-mail Storage in Server

Specify whether or not to store received e-mails on the POP3 or IMAP4 server.

Default: [Off]

Default User Name / Password (Send)

Specify the user name and password required when sending scan files directly to a shared folder on a computer running Windows or Mac OS X, to an FTP server, or to a NetWare server.

Enter in up to 64 characters.

Program / Change / Delete E-mail Message

You can program, change, or delete the e-mail message used when sending a scan file as an attachment.

- Program / Change:
 - 1. Press the [User Tools] key.
 - 2. Press [System Settings].
 - 3. Press [File Transfer].
 - 4. Press [Program / Change / Delete E-mail Message].
 - 5. Check that [Program / Change] is selected.
 - 6. Press [*Not Programmed].

To change the registered e-mail message, select the e-mail message to change.

- 7. Press [Change] under the "Name".
- 8. Enter a name, and then press [OK].

Enter the name using up to 20 characters.

9. Press [Edit].

To start a new line, press [OK] to return to the e-mail message screen, and then press [▼] in "Select Line to Edit:".

10. Enter the text, and then press [OK].

Enter up to five lines of text. Each line can consist of up to 80 characters.

- 11. Press [OK].
- 12. Press [Exit].
- 13. Press the [User Tools] key.
- Delete:
 - 1. Press the [User Tools] key.
 - 2. Press [System Settings].
 - 3. Press [File Transfer].
 - 4. Press [Program / Change / Delete E-mail Message].
 - 5. Press [Delete].
 - 6. Select the e-mail message to delete.
 - 7. Press [Yes].
 - 8. Press [Exit].
 - 9. Press the [User Tools] key.

Auto Specify Sender Name

Set whether or not to specify the name of the sender when sending e-mail.

Default: [Off]

On

If you select [On], the specified e-mail address will appear in the "From:" box. If you do not specify the sender's address, the administrator's e-mail address will appear in the "From:" box.

Off

If you select [Off], the specified e-mail address will appear in the "From:" box, but you cannot send e-mail without specifying the sender's e-mail address.

Scanner Resend Interval Time

Specifies the interval the machine waits before resending a scan file, if it cannot be sent to the mail server.

Default: [300 second(s)]

The interval time can be set from 60 to 900 seconds in one second increments, using the number keys.

This setting is for the scanner function.

This setting is not valid for the WSD scanner function.

Number of Scanner Resends

Sets a maximum number of times a scan file is resent to the mail server.

Default: [On], [3 time(s)]

If [On] is selected, the number of times can be set from 1 to 99.

This setting is for the scanner function.

This setting is not valid for the WSD scanner function.



• For details on how to access System Settings, see p.15 "Accessing User Tools".

Administrator Tools

This section describes the user tools in the Administrator Tools menu under System Settings.

Administrator Tools are used by the administrator. To change these settings, contact the administrator.

We recommend specifying administrator authentication before making Administrator Tools settings.

Address Book Management

You can add, change or delete information registered in the Address Book.

For details, see p.133 "Address Book".

• Program / Change

You can register and change names as well as user codes.

Names

You can register a name, key display, registration number, and title selection.

• Auth. Info

You can register a user code, and specify the functions available to each user code. You can also register user names and passwords to be used when sending e-mail, sending files to folders, or accessing an LDAP server.

• Protection

You can register a protection code.

• E-mail

You can register an e-mail address.

Folder

You can register the protocol, path, port number, and server name.

Add to Group

You can put names registered in the Address Book into a group.

Delete

You can delete a name from the Address Book.

You can register up to 2,000 names.

You can register up to 500 user codes.

You can also register and manage names in the Address Book using Web Image Monitor.

Address Book: Program / Change / Delete Group

Names registered in the Address Book can be added into a group. You can then easily manage the names registered in each group.

Program / Change

You can register and change groups.

Names

You can register a name, key display, registration number, and title selection.

• Programmed User/Group

You can check the names or groups registered in each group.

• Protection

You can register a protection code.

Add to Group

You can put groups registered in the Address Book into a group.

Delete

You can delete a group from the Address Book.

You can register up to 100 groups.

You can also register and manage groups in the Address Book using Web Image Monitor.

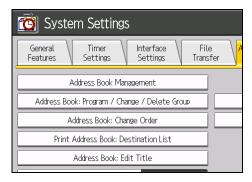
Address Book: Change Order

Changes the order of registered names.

You can rearrange the order of items on the same page, but you cannot move items to another page.

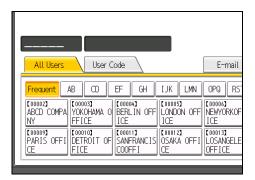
For example, you cannot move an item from "PLANNING" ([OPQ]) to "DAILY" ([CD]).

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [Address Book: Change Order].



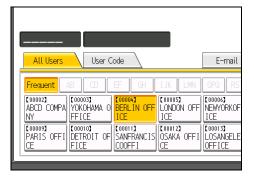
5. Press the name key to be moved.

You can also select a name by entering the registration number using the number keys.

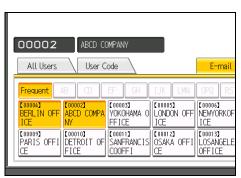


6. Press the name key in place you want to move it to.

You can also select a name by entering the registration number using the number keys.



The user key is moved to the selected position, and the user key currently at the selected position is moved forward or backward.



Print Address Book: Destination List

You can print the destination list registered in the Address Book.

- Print in Title 1 Order
 - Prints the Address Book in Title 1 order.
- Print in Title 2 Order
 - Prints the Address Book in Title 2 order.
- Print in Title 3 Order

Prints the Address Book in Title 3 order.

Print Group Dial List

Prints the group Address Book.

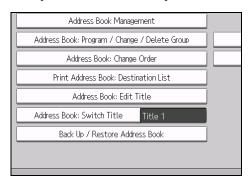
- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [Print Address Book: Destination List].
- 5. Select the print format.
- 6. To print the list on two-sided pages, select [Print on 2 Sides].
- 7. Press the [Start] key.

The list prints out.

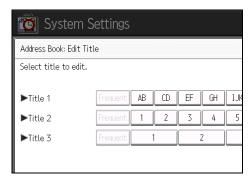
Address Book: Edit Title

You can edit the title to easily find a user.

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [Address Book: Edit Title].



5. Press the title key you want to change.



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- 6. Enter the new name, and then press [OK].
- 7. Press [OK].
- 8. Press the [User Tools] key.

Address Book: Switch Title

Specifies the title to select a name.

Default: [Title 1]

Back Up / Restore Address Book

You can back up the machine's Address Book to external storage or restore the backup copy from the external storage.

Backup requires a removable SD card to be installed in this machine.

For details about installing and removing the SD card, contact your sales or service representative.

Restore data overwrites Address Book data stored on the machine, and clears the counter of each registered user of the machine.

You can also back up and restore the machine's Address Book using Web Image Monitor. For details, see the Help files of Web Image Monitor.

Back Up

You can back up the machine's Address Book to external storage.

Restore

You can restore the backup copy of the Address Book from external storage.

Format

You can format the external storage.

Obtain Memory Device Info

The free space and occupied space of the external storage are displayed.

Data Carry-over Setting for Address Book Auto-program

By using Data Carry-over Setting for Address Book Auto-program, you can carry over user authentication information that has already been registered to the Address Book of the Windows authentication, LDAP authentication, or Integration Server authentication.

Default: [Do not Carry-over]

If you select [Carry-over Data], use the number keys to enter the registration number of the data you wish to carry over from an Address Book.

For details about the Windows authentication, LDAP authentication, or Integration Server authentication, consult your administrator.

Display / Print Counter

Allows you to view and print the number of prints.

Display / Print Counter

Displays the number of prints for each function (Total, Copier, Printer, A3 / DLT, Duplex, Scanner Send, Send / TX Total).

Print Counter List

Prints out a list of the number of prints made under each function.

Display / Clear / Print Counter per User

Allows you to view and print the numbers of prints accessed with user codes, and to set those values to 0.

Press [▲Previous] and [▼Next] to show all the numbers of prints.

The number of prints may differ from the counter values shown in Display / Print Counter.

• Print Counter List for All Users

Prints the counter value for all the users.

• Clear Counter List for All Users

Resets the counter value for all the users.

Print Counter List Per User

Prints the counter value for each user.

• Clear Counter List Per User

Resets the counter value for each user.

Select All on the Page

Select all the users on the page.

For details about printing the counter, see p. 148 "Printing the Counter for Each User" and p. 149 "Printing the Counter for All Users".

User Authentication Management

• User Code Auth.

Using user code authentication, you can limit the available functions and supervise their use.

When using user code authentication, register the user code.

Using "PC Control", you can obtain a log of prints corresponding to the codes entered using the printer driver.

For details about basic authentication, Windows authentication, LDAP authentication, and Integration Server authentication, consult your administrator.

Functions to Restrict

• Copier:

[Restrict All (B & W / Single Colour / Two-colour / Full Colour)], [Single Colour / Two-colour / Full Colour], [Two-colour / Full Colour], [Do not Restrict]

• Printer:

[Black & White / Colour], [Colour], [PC Control], [Do not Restrict]

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• Other Functions:

[Document Server], [Scanner]

- Basic Auth.
- Windows Auth.
- LDAP Auth.
- Integration Svr. Auth.
- Off

Default: [Off]

Administrator Authentication Management

For details about this function, consult your administrator.

Program / Change Administrator

For details about this function, consult your administrator.

Key Counter Management

Specify the functions you want to manage with the key counter.

For details about this function, consult your sales or service representative.

External Charge Unit Management

You can use the key card to specify an upper limit on machine use.

For details about this function, consult your administrator.

Enhanced External Charge Unit Management

Specify whether or not to make available enhanced features for enhanced external charge unit management.

For details about this function, consult your administrator.

Extended Security

Specify whether or not to use the extended security functions. For details about the extended security functions, consult your administrator.

Auto Delete File in Document Server

Specify whether documents stored in the Document Server will or will not be deleted after a specified period of time.

Default: [On], [3 day(s)]

If you select [On], documents stored subsequently are deleted after the specified period.

If you select [Off], documents are not automatically deleted.

If you select [On], enter a number of days from 1 to 180 (in 1 day increments).

The default is 3 days, this means documents are deleted 3 days (72 hours) after they are stored.

Delete All Files in Document Server

You can delete files stored in the Document Server.

Even if a password is always set, all documents are deleted.

A confirmation message appears. To delete all documents, select [Yes].

Program / Change / Delete LDAP Server

Program the LDAP server to find up e-mail destinations in the LDAP server Address Book directly. This function is possible when sending scan files by e-mail using the scanner function.

- Name
- Server Name
- Search Base
- Port Number
- Use Secure Connection (SSL)
- Authentication
- User Name
- Password
- Realm Name
- Search Conditions
- Search Options

This function supports LDAP Version 2.0 and 3.0. Digest authentication can only be used under LDAP Ver.3.0.

To use the LDAP server, select [On] under LDAP Search.

For details about how to program the LDAP Server, see p.45 "Programming the LDAP server".

LDAP Search

Specify whether or not to use the LDAP server for searching.

Default: [Off]

If you select [Off], LDAP server list will not appear on the searching display.

Auto Off Setting

Specify whether or not to use Auto Off.

Default: [On]

Service Test Call

You can make a test call to the @Remote center.

This function is available only if the @Remote service is enabled and active.

Notify Machine Status

You can send notification of the machine's status to the @Remote center.

This function is available only if the @Remote service is enabled and active.

Service Mode Lock

For details about this function, consult your administrator.

Firmware Version

You can check the version of the software installed in this machine.

Network Security Level

For details about this function, consult your administrator.

Auto Erase Memory Setting

For details about this function, consult your administrator.

Erase All Memory

For details about this function, consult your administrator.

Program / Change / Delete Realm

Program the realm to be used for Kerberos authentication.

- Realm Name
- KDC Server Name
- Domain Name

Be sure to set both the realm name and KDC server name when programming a realm.

For details about Program / Change / Delete Realm, see p.51 "Programming the Realm".

Machine Data Encryption Settings

For details about this function, consult your administrator.



• For details on how to access System Settings, see p.15 "Accessing User Tools".

Programming the LDAP server

This function supports LDAP version 2.0 and 3.0.

Program the LDAP server to find e-mail destinations in the LDAP server Address Book directly.

This function is possible when sending scan files by e-mail using the scanner function.

To start an LDAP search, make sure that the items listed below are set. For other items, check your environment and make any necessary changes.

- Server Name
- · Search Base
- Port Number
- Authentication
- Search Conditions

If [Kerberos Authentication] is selected be sure to set the "User Name", "Password", and the "Realm Name".

If [Digest Authentication] or [Cleartext Authentication] is selected be sure to set the "User Name" and "Password".

To use the LDAP server in Administrator Tools, select [On] under "LDAP Search".

The LDAP version 2.0 does not support Digest Authentication.

To select Kerberos Authentication, a realm must be registered in advance.

Programming the LDAP server

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [VNext].
- 5. Press [Program / Change / Delete LDAP Server].
- 6. Check that [Program / Change] is selected.
- 7. Select the LDAP server you want to program or change.

When programming the server, select [*Not Programmed].

- 8. Press [Change] under "Name".
- 9. Enter the name, and then press [OK].
- 10. Press [Change] under "Server Name".
- 11. Enter the server name, and then press [OK].

12. Press [Change] under "Search Base".

Select the root folder from which to start the search. Users registered in the selected folder and its subfolders become search targets.

13. Enter the search base, and then press [OK].

For example, if the search target is the sales department of ABC company, enter "dc=sales department, o=ABC". (In this example, the description is for an active directory. "dc" is for the organization unit, and "o" is for the company.)

Search base registration may be required depending on your server environment. When registration is required, unspecified searches will result in error.

Check your server environment and enter any required specifications.

14. Press [Change] under "Port Number".

Specify the port number for communicating with the LDAP server. Specify a port that is compliant with your environment.

15. Enter the port number using the number keys, and then press the [#] key.

When SSL is set to [On], the port number automatically changes to "636".

16. Under "Use Secure Connection (SSL)", press [On].

Use SSL to communicate with the LDAP server.

For SSL to function, the LDAP server must support SSL.

If you set SSL to [On], the port number automatically changes to "636".

If you do not enable SSL, security problems may occur. To enable SSL, you must use the machine's settings. For details, consult your network administrator.

17. Press [Vext].

18. Select the authentication method.

To make a search request to the LDAP server, use the administrator account for authentication.

Authentication settings must comply with your server's authentication settings. Check your server settings before setting this machine.

[Digest Authentication] is available only with LDAP Version 3.0.

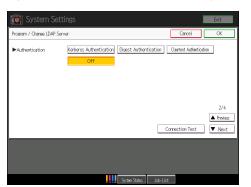
If you select [Cleartext Authentication], a password is sent to the LDAP server as is, without any encryption processing.

If you select [Digest Authentication], a password is sent using an encryption process that prevents passwords from being revealed during transmission to the LDAP server.

If you select [Kerberos Authentication], a password is sent using an encryption process that prevents passwords from being revealed during transmission to the KDC server where authentication occurs.

If you select [Off], proceed to step 24.

If you select [Digest Authentication] or [Cleartext Authentication], proceed to step 19 to 22, and then proceed to step 24.



If you select [Kerberos Authentication], proceed to step 19 to 23, and then proceed to step 24.

19. Press [Change] under "User Name".

When [Kerberos Authentication], [Digest Authentication], or [Cleartext Authentication] is selected for the authentication setting, use the administrator account name and password. Do not enter the administrator account name and password when using authentication for each individual or each search.

20. Enter the user name, and then press [OK].

Procedures for the user name setting differ depending on server environment. Check your server environment before making the setting.

Example: Domain Name\User Name, User Name@Domain Name, CN=Name, OU=Department Name, DC=Server Name

21. Press [Change] under "Password".

22. Enter the password, and then press [OK].

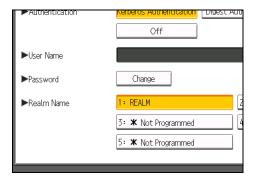
The user name and password are required for administrator authentication to access the LDAP server.

You can connect to the LDAP server using a user name and password stored in the Address Book. For details, see p.186 "Registering SMTP and LDAP Authentication".

If you select [Digest Authentication] or [Cleartext Authentication], proceed to step 24.

23. Select the Realm.

For details about how to program the Realm, see p.51 "Programming the Realm".



24. Press [Connection Test].

Access the LDAP server to check that the proper connection is established. Check authentication works according to the authentication settings.

25. Press [Exit].

If the connection test fails, check your settings and try again.

This function does not check search conditions or the search base.

- 26. Press [VNext].
- 27. Press [Change] for items you want to use as search conditions from the following: "Name", "E-mail Address", "Fax Number", "Company Name", and "Department Name".

You can enter an attribute as a typical search keyword. Using the entered attribute, the function searches the LDAP server's Address Book.

28. Enter the attribute you want to use when searching for e-mail addresses, and then press [OK].

The attribute value may change depending on the server environment. Check that the attribute value complies with your server environment before setting it.

You can leave items blank, but you cannot leave attributes blank when searching for e-mail addresses from the LDAP server Address Book.

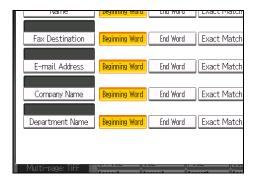
- 29. Press [VNext].
- 30. Press [Change] under "Attribute".
- 31. Enter the attribute you want to use when searching for e-mail addresses, and then press [OK].

The attribute value may change depending on the server environment. Check that the attribute complies with your server environment before setting it.

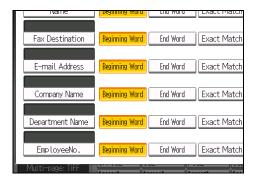
- 32. Press [Change] under "Key Display".
- 33. Enter the key display, and then press [OK].

The registered "Key Display" appears as a keyword for searching LDAP.

• Without key display registration



• With key display registration



The key does not appear on the search screen unless both "Attribute" and "Key Display" are registered. Make sure you register both to use the optional search.

- 34. Press [OK].
- 35. Press [Exit].
- 36. Press the [User Tools] key.

Changing the LDAP server

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [VNext].
- 5. Press [Program / Change / Delete LDAP Server].
- 6. Check that [Program / Change] is selected.
- 7. Select the LDAP server you want to change.
- 8. Change the settings as necessary.
- 9. Press [OK] after changing each item.
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Deleting the LDAP server

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [Vext].
- 5. Press [Program / Change / Delete LDAP Server].

- 1
- 6. Press [Delete].
- 7. Select the LDAP server you want to delete.
- 8. Press [Yes].
- 9. Press [Exit].
- 10. Press the [User Tools] key.

Programming the Realm

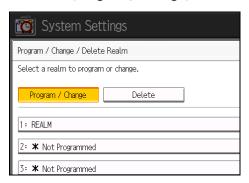
Program the realm to be used for Kerberos authentication.

A realm is the network area in which Kerberos authentication is used. After confirming the network environment, specify the necessary items.

You can register up to 5 realms.

Programming the Realm

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [▼Next] twice.
- 5. Press [Program / Change / Delete Realm].
- 6. Check that [Program / Change] is selected.



- 7. Press [*Not Programmed].
- 8. Press [Change] under "Realm Name".



1

9. Enter the realm name, and then press [OK].

Enter the realm name, or host name.

You can enter a realm name using up to 64 characters.

- 10. Press [Change] under "KDC Server Name".
- 11. Enter the KDC server name, and then press [OK].

Enter the KDC server name, host name, or IPv4 address.

You can enter a KDC server name using up to 64 characters.

- 12. Press [Change] under "Domain Name".
- 13. Enter the domain name, and then press [OK].

Enter the domain name, or host name.

You can enter a domain name using up to 64 characters.

- 14. Press [OK].
- 15. Press [Exit].
- 16. Press the [User Tools] key.

Changing the Realm

- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [▼Next] twice.
- 5. Press [Program / Change / Delete Realm].
- 6. Check that [Program / Change] is selected.
- 7. Select the Realm you want to change.
- 8. To change the realm name, press [Change] under "Realm Name".
- 9. Enter the realm name, and then press [OK].

You can enter a realm name using up to 64 characters.

- 10. To change the KDC server name, press [Change] under "KDC Server Name".
- 11. Enter the KDC server name, and then press [OK].

You can enter a KDC server name using up to 64 characters.

- 12. To change the domain name, press [Change] under "Domain Name".
- 13. Enter the domain name, and then press [OK].

You can enter a domain name using up to 64 characters.

14. Press [OK].

- 15. Press [Exit].
- 16. Press the [User Tools] key.

Deleting the Realm

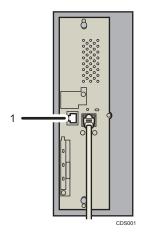
- 1. Press the [User Tools] key.
- 2. Press [System Settings].
- 3. Press [Administrator Tools].
- 4. Press [▼Next] twice.
- 5. Press [Program / Change / Delete Realm].
- 6. Press [Delete].
- 7. Select the realm you want to delete.
- 8. Press [Yes].
- 9. Press [Exit].
- 10. Press the [User Tools] key.

2. Connecting the Machine

This chapter describes how to connect the machine to the network and specify the network settings.

Connecting to the Interface

This section explains how to identify the machine's interface and connect the machine according to the network environment.



1. 10BASE-T/100BASE-TX port

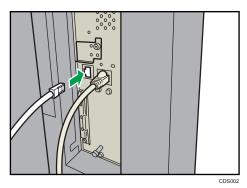
Port for connecting the 10BASE-T or 100BASE-TX cable

Connecting to the Ethernet Interface

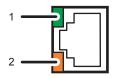
Important

- If the main power switch is on, turn it off.
- Use the following Ethernet cables.
 - Unshielded Twisted Pair Cable (UTP) or Shielded Twisted Pair Cable (STP) and Category type
 5 or more
- 1. Make sure the main power is switched off.





- 3. Connect the other end of the Ethernet interface cable to a network connection device such as a hub.
- 4. Turn on the main power switch of the machine.



CDS008

1. Indicator (green)

When 10BASE-T is operating, the LED is lit green. When 100BASE-TX is operating or the machine is not connected to the network, it is turned off.

2. Indicator (orange)

When 100BASE-TX is operating, the LED is lit orange. When 10BASE-T is operating or the machine is not connected to the network, it is turned off.



• For details about how to turn on the main power switch, see "Turning On the Power", About This Machine.

Network Settings Required to Use E-mail Function

This section lists the network settings required for sending e-mail.

For details about how to specify the settings, see p.26 "Interface Settings" and p.31 "File Transfer".



• These settings should be made by the administrator, or with the advice of the administrator.

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine IPv4 Address	Necessary
Interface Settings/Network	IPv4 Gateway Address	Necessary
Interface Settings/Network	Machine IPv6 Address	As required
Interface Settings/Network	IPv6 Gateway Address	As required
Interface Settings/Network	IPv6 Stateless Address Autoconfiguration	As required
Interface Settings/Network	DNS Configuration	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	IPsec	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	WINS Configuration	As required
Interface Settings/Network	Effective Protocol	Necessary
Interface Settings/Network	Ethernet Speed	As required
Interface Settings/Network	Permit SNMPv3 Communication	As required
Interface Settings/Network	Permit SSL / TLS Communication	As required
Interface Settings/Network	Host Name	As required
Interface Settings/Network	IEEE 802.1X Authentication for Ethernet	As required
File Transfer	SMTP Server	Necessary

Menu	User Tool	Setting Requirements
File Transfer	SMTP Authentication	As required
File Transfer	POP before SMTP	As required
File Transfer	Reception Protocol	As required
File Transfer	POP3 / IMAP4 Settings	As required
File Transfer	Administrator's E-mail Address	As required
File Transfer	E-mail Communication Port	As required
File Transfer	Program / Change / Delete E-mail Message	As required
File Transfer	Scanner Resend Interval Time	As required
File Transfer	Number of Scanner Resends	As required

■ Note

- In [Effective Protocol], check that the protocol you want to use is set to [Active].
- When POP before SMTP is set to [On], also make settings for [Reception Protocol] and [POP3 / IMAP4 Settings].
- When setting POP before SMTP to [On], check POP3 port number in E-mail Communication Port.

2

Network Settings Required to Use Scan to Folder Function

This section lists the network settings required for sending files.

For details about how to specify the settings, see p.26 "Interface Settings" and p.31 "File Transfer".



• These settings should be made by the administrator, or with the advice of the administrator.

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine IPv4 Address	Necessary
Interface Settings/Network	IPv4 Gateway Address	Necessary
Interface Settings/Network	Machine IPv6 Address	As required
Interface Settings/Network	IPv6 Gateway Address	As required
Interface Settings/Network	IPv6 Stateless Address Autoconfiguration	As required
Interface Settings/Network	DNS Configuration	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	IPsec	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	WINS Configuration	As required
Interface Settings/Network	Effective Protocol	Necessary
Interface Settings/Network	Ethernet Speed	As required
Interface Settings/Network	Permit SNMPv3 Communication	As required
Interface Settings/Network	Permit SSL / TLS Communication	As required
Interface Settings/Network	Host Name	As required
Interface Settings/Network	IEEE 802.1X Authentication for Ethernet	As required
File Transfer	Default User Name / Password (Send)	As required

Menu	User Tool	Setting Requirements
File Transfer	Scanner Resend Interval Time	As required
File Transfer	Number of Scanner Resends	As required

Note

• In [Effective Protocol], check that the protocol you want to use is set to [Active].

2

Network Settings Required to Use WSD Scanner

This section lists the network settings required for using WSD Scanner function.

For details about how to specify the settings, see p.26 "Interface Settings".



• These settings should be made by the administrator, or with the advice of the administrator.

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine IPv4 Address	Necessary
Interface Settings/Network	IPv4 Gateway Address	As required
Interface Settings/Network	Machine IPv6 Address	As required
Interface Settings/Network	IPv6 Gateway Address	As required
Interface Settings/Network	IPv6 Stateless Address Autoconfiguration	As required
Interface Settings/Network	DNS Configuration	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	IPsec	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	WINS Configuration	As required
Interface Settings/Network	Effective Protocol	Necessary
Interface Settings/Network	NCP Delivery Protocol	As required
Interface Settings/Network	NW Frame Type	As required
Interface Settings/Network	SMB Computer Name	As required
Interface Settings/Network	SMB Work Group	As required
Interface Settings/Network	Ethernet Speed	As required
Interface Settings/Network	Permit SNMPv3 Communication	As required
Interface Settings/Network	Permit SSL / TLS Communication	As required
Interface Settings/Network	Host Name	As required

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine Name	As required
Interface Settings/Network	IEEE 802.1X Authentication for Ethernet	As required

₩Note

• In [Effective Protocol], check that the protocol you want to use is set to [Active].

Network Settings Required to Use Network TWAIN Scanner

This section lists the network settings required for using the TWAIN Scanner under the network environment. For details about how to specify the settings, see p.26 "Interface Settings".



• These settings should be made by the administrator, or with the advice of the administrator.

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine IPv4 Address	Necessary
Interface Settings/Network	IPv4 Gateway Address	As required
Interface Settings/Network	DNS Configuration	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	IPsec	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	WINS Configuration	As required
Interface Settings/Network	Effective Protocol	Necessary
Interface Settings/Network	Ethernet Speed	As required
Interface Settings/Network	Permit SNMPv3 Communication	As required
Interface Settings/Network	Permit SSL / TLS Communication	As required
Interface Settings/Network	Host Name	As required
Interface Settings/Network	IEEE 802.1X Authentication for Ethernet	As required



• In [Effective Protocol], check that the protocol you want to use is set to [Active].

Network Settings Required to Use Document Server

This section lists the settings required for using the Document Server function under the network environment. For details about how to specify the settings, see p.26 "Interface Settings".



• These settings should be made by the administrator, or with the advice of the administrator.

Menu	User Tool	Setting Requirements
Interface Settings/Network	Machine IPv4 Address	Necessary
Interface Settings/Network	IPv4 Gateway Address	As required
Interface Settings/Network	Machine IPv6 Address	As required
Interface Settings/Network	IPv6 Gateway Address	As required
Interface Settings/Network	IPv6 Stateless Address Autoconfiguration	As required
Interface Settings/Network	DNS Configuration	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	IPsec	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	WINS Configuration	As required
Interface Settings/Network	Effective Protocol	Necessary
Interface Settings/Network	Ethernet Speed	As required
Interface Settings/Network	Permit SNMPv3 Communication	As required
Interface Settings/Network	Permit SSL / TLS Communication	As required
Interface Settings/Network	Host Name	As required
Interface Settings/Network	IEEE 802.1X Authentication for Ethernet	As required



• In [Effective Protocol], check that the protocol you want to use is set to [Active].

Using Utilities to Make Network Settings

You can also specify network settings using utilities such as Web Image Monitor and telnet.



- These settings should be made by the administrator, or with the advice of the administrator.
- For details about using Web Image Monitor, see p.73 "Using Web Image Monitor".
- For details about using telnet, see p.92 "Remote Maintenance Using telnet".

Interface Settings

Change settings by using Web Image Monitor and telnet.

[Network] → [Machine IPv4 Address] → [Auto-Obtain (DHCP)]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Machine IPv4 Address] → [Specify] → "Machine IPv4 Address"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Machine IPv4 Address] → [Specify] → "Subnet Mask"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [IPv4 Gateway Address]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Machine IPv6 Address] → "Manual Configuration Address"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [IPv6 Gateway Address]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [IPv6 Stateless Address Autoconfiguration]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [DNS Configuration] → [Auto-Obtain (DHCP)]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [DNS Configuration] → [Specify] → "DNS Server 1-3"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [DDNS Configuration]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [IPsec]

- · Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Domain Name] → [Auto-Obtain (DHCP)]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Domain Name] → [Specify] → "Domain Name"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [WINS Configuration] → [On] → "Primary WINS Server"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [WINS Configuration] → [On] → "Secondary WINS Server"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [WINS Configuration] → [On] → "Scope ID"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [WINS Configuration] → [Off]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Effective Protocol] → "IPv4"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Effective Protocol] → "IPv6"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Effective Protocol] → "NetWare"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Effective Protocol] → "SMB"

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NCP Delivery Protocol] → [IPX Priority]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NCP Delivery Protocol] → [TCP / IP Priority]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NCP Delivery Protocol] → [IPX Only]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NCP Delivery Protocol] → [TCP / IP Only]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NW Frame Type] → [Auto Select]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NW Frame Type] → [Ethernet II]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [NW Frame Type] → [Ethernet 802.2]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] \rightarrow [NW Frame Type] \rightarrow [Ethernet 802.3]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

$[Network] \rightarrow [NW Frame Type] \rightarrow [Ethernet SNAP]$

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [SMB Computer Name]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [SMB Work Group]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Ethernet Speed]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Ping Command]

- Web Image Monitor: Cannot be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[Network] → [Permit SNMPv3 Communication] → [Encryption Only]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Permit SNMPv3 Communication] → [Encryption / Cleartext]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Permit SSL / TLS Communication] → [Ciphertext Only]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[Network] → [Permit SSL / TLS Communication] → [Ciphertext Priority]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[Network] → [Permit SSL / TLS Communication] → [Ciphertext / Cleartext]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[Network] → [Host Name]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [Machine Name]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

[Network] → [IEEE 802.1X Authentication for Ethernet]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Can be used for specifying the setting.

File Transfer

Change settings by using Web Image Monitor and telnet.

[File Transfer] → [SMTP Server]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [SMTP Authentication]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [POP before SMTP]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Reception Protocol] → [POP3]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Reception Protocol] → [IMAP4]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Reception Protocol] → [SMTP]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [POP3 / IMAP4 Settings]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Administrator's E-mail Address]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [E-mail Communication Port]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [E-mail Reception Interval]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Max. Reception E-mail Size]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [E-mail Storage in Server]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Default User Name / Password (Send)]

- Web Image Monitor: Can be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Program / Change / Delete E-mail Message]

- Web Image Monitor: Cannot be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Auto Specify Sender Name]

- Web Image Monitor: Cannot be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Scanner Resend Interval Time]

- Web Image Monitor: Cannot be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

[File Transfer] → [Number of Scanner Resends]

- Web Image Monitor: Cannot be used for specifying the setting.
- telnet: Cannot be used for specifying the setting.

3. Monitoring and Configuring the Machine

This chapter describes how to monitor and configure the machine.

Using Web Image Monitor

Using Web Image Monitor, you can check the machine status and change settings.

Available operations

The following operations can be remotely performed using Web Image Monitor from a client computer.

- · Displaying machine status or settings
- · Checking the print job status or history
- · Checking, modifying, printing, or deleting print jobs stored in the Document Server
- · Interrupting currently printing jobs
- · Resetting the machine
- · Managing the Address Book
- · Making machine settings
- · Making network protocol settings
- Making security settings

Configuring the machine

To perform the operations from Web Image Monitor, TCP/IP is required. After the machine is configured to use TCP/IP, operations from Web Image Monitor become available.

Recommended Web browser

• Windows:

Internet Explorer 5.5 SP2 or higher

Firefox 1.0 or higher

Mac OS:

Firefox 1.0 or higher

Safari 1.0, 1.2, 2.0 (412.2) or higher

Web Image Monitor supports screen reader software. We recommend JAWS 7.0 or a later version.



Safari cannot be used on Mac OS X 10.4.1.

- Display and operation problems can occur if you do not enable JavaScript and cookies, or if you are using a non-recommended Web Browser.
- If you are using a proxy server, change the Web browser settings. Contact your administrator for information about the settings.
- If you click your browser's back button but the previous page does not appear, click the browser's refresh button and try again.
- Machine information is not automatically updated. To perform an update, click [Refresh] in the work area.
- We recommend using Web Image Monitor in the same network.
- If the machine is firewall-protected, it cannot be accessed from computers outside the firewall.
- When using the machine under DHCP, the IP address may be automatically changed by the DHCP server settings. Enable DDNS setting on the machine, and then connect using the machine's host name. Alternatively, set a static IP address to the DHCP server.
- If the HTTP port is disabled, connection to the machine using the machine's URL cannot be established. SSL setting must be enabled on this machine. For details, consult your network administrator.
- When using the SSL encryption protocol, enter "https://(machine's IP address or host name)/".
- Internet Explorer must be installed on your computer. Use the most recent available version. We recommend Internet Explorer 6.0 or later.
- When you are using Firefox, fonts and colors may be different, or tables may be out of shape.
- When using a host name under Windows Server 2003/2003 R2/2008/2008 R2 or Windows Vista/7 with IPv6 protocol, perform host name resolution using an external DNS server. The host file cannot be used.
- To use JAWS 7.0 under Web Image Monitor, you must be running Windows OS and Microsoft Internet Explorer 5.5 SP2, or a later version.
- If you are using Internet Explorer 8, downloading will be slower than with other browsers. To
 download faster with Internet Explorer 8, open the browser's [Internet Options] menu and register the
 machine's URL as a trusted site. Then disable SmartScreen filter for trusted sites. For details about these
 settings, see the Internet Explorer 8 Help files.
- You can access Web Image Monitor more quickly by registering the machine's URL as a bookmark.
 Note that the URL you register must be the URL of the top page, which is the page that appears before
 login. If you register the URL of a page that appears after login, Web Image Monitor will not open
 properly from the bookmark.

Displaying Top Page

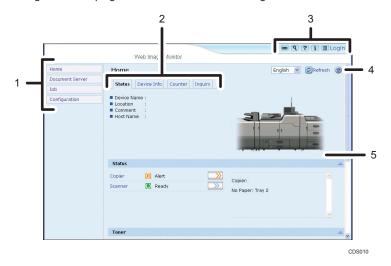
1. Start your Web browser.

2. Enter "http://(machine's IP address or host name)/" in your Web browser's URL bar.

If the machine's host name has been registered on the DNS or WINS server, you can enter it.

When setting SSL, a protocol for encrypted communication, under environment which server authentication is issued, enter "https://(machine's IP address or host name)/".

Every Web Image Monitor page is divided into the following areas:



1. Menu area

If you select menu, it's content will be shown on the work area.

2. Tab area

Details about each menu appear.

3. Header area

The dialog box for switching to the user mode and administrator mode appears, and each mode's menu will be displayed.

The link to help and dialog box for keyword search appears.

4. Help

Use Help to view or download Help file contents.

5. Work area

Displays the contents of the item selected in the menu area.

Machine information in the work area is not automatically updated. Click [Refresh] at the upper right in the work area to update the machine information. Click the Web browser's [Refresh] button to refresh the entire browser screen.



 When using a host name under Windows Server 2003/2003 R2/2008/2008 R2 or Windows Vista/7 with IPv6 protocol, perform host name resolution using an external DNS server. The host file cannot be used.

When User Authentication is Set

Login (using Web Image Monitor)

Follow the procedure below to log in when user authentication is set.

- 1. Click [Login].
- 2. Enter a login user name and password, and then click [Login].

For details about the login user name and password, consult your network administrator.

Depending on the configuration of your Web browser, the login user name and password might be saved. If you do not want to save them, configure your Web browser's settings so that this information is not saved.



- For user code authentication, enter a user code in [Login User Name], and then click [Login].
- The procedure may differ depending on the Web browser used.

Log out (using Web Image Monitor)

1. Click [Logout] to log out.



• When you log in and make the setting, always click [Logout].

About Menu and Mode

There are two modes available with Web Image Monitor: guest mode and administrator mode.

Displayed Items may differ depending on the machine type.

Guest Mode

In the guest mode, machine status, settings, and print job status can be viewed, but the machine settings cannot be changed.



1. Home

The [Status], [Device Info], [Counter], and [Inquiry] tab are displayed. Details of the tab menu are displayed on the work area.

2. Document Server

Display files stored in the Document Server.

3. Job

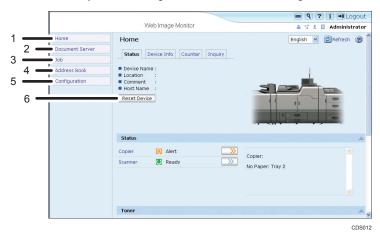
Display all jobs.

4. Configuration

Display current machine and network settings.

Administrator Mode

In the administrator mode, you can configure various machine settings.



1. Home

The [Status], [Device Info], [Counter], and [Inquiry] tab are displayed. Details of the tab menu are displayed on the work area.

2. Document Server

Display files stored in the Document Server.

Job

Display all jobs.

4. Address Book

User information can be registered, displayed, changed, and deleted.

5. Configuration

Make system settings for the machine, interface settings, and security.

6. Reset Device

To restart the machine, click the [Reset Device] button on the top page.

Access in the Administrator Mode

1. On Top Page, click [Login].

2. Enter your login user name and password, and then click [Login].

For details about the login user name and password, consult your network administrator.

Depending on the configuration of your Web browser, the login user name and password might be saved. If you do not want to save them, configure your Web browser's settings so that this information is not saved.

List of Setting Items

The following tables show Web Image Monitor items that can be viewed or modified depending on the selected mode on the Web browser. Select one of the following modes to log in Web Image Monitor:

• Guest mode: logged in as a user

• Administrator mode: logged in as an administrator

Home

Status

Menu	Guest mode	Administrator mode
Reset Device	None	Modify
Status	Read	Read
Toner	Read	Read
Input Tray	Read	Read

Menu	Guest mode	Administrator mode
Output Tray	Read	Read

Device Info

Menu	Guest mode	Administrator mode
Functions	Read	Read
System	Read	Read
Version	Read	Read

Counter

Menu	Guest mode	Administrator mode
Total	Read	Read
Copier	Read	Read
Printer	Read	Read
Send/TX Total	Read	Read
Scanner Send	Read	Read
Coverage	Read	Read
Other Function(s)	Read	Read

Inquiry

Menu	Guest mode	Administrator mode
Machine Maintenance/Repair	Read	Read
Sales Representative	Read	Read
Consumables	Read	Read

Document Server

Document Server

Guest mode	Administrator mode
Read/Modify	Read/Modify

Job

Job List

Menu	Guest mode	Administrator mode
Current/Waiting Jobs	Read	Read/Modify
Job History	Read	Read

Document Server

Menu	Guest mode	Administrator mode
Print Job History	Read/Modify	Read/Modify
Scanner Remote Send History	Read/Modify	Read/Modify

Address Book

Menu	Guest mode	Administrator mode
Address List	None	Read/Modify

Configuration

Device Settings

Menu	Guest mode	Administrator mode
System	Read	Read/Modify
Paper	Read	Read/Modify
Custom Paper	None	Read/Modify
Date/Time	Read	Read/Modify
Timer	Read	Read/Modify
Logs	None	Read/Modify
Download Logs	None	Read/Modify

Menu	Guest mode	Administrator mode
E-mail	Read	Read/Modify
Auto E-mail Notification	None	Read/Modify
On-demand E-mail Notification	None	Read/Modify
File Transfer	None	Read/Modify
User Authentication Management	None	Read/Modify
Administrator Authentication Management	None	Read/Modify
Program/Change Administrator	None	Read/Modify
LDAP Server	None	Read/Modify
Firmware Update	None	Read/Modify
Program/Change Realm	None	Read/Modify

Scanner

Menu	Guest mode	Administrator mode
General Settings	Read	Read/Modify
Scan Settings	Read	Read/Modify
Send Settings	Read	Read/Modify
Initial Settings	Read	Read/Modify
Default Settings for Normal Screens on Device	Read	Read/Modify
Default Settings for Simplified Screens on Device	Read	Read/Modify

Interface

Menu	Guest mode	Administrator mode
Interface Settings	Read	Read/Modify

Network

Menu	Guest mode	Administrator mode
IPv4	Read	Read/Modify
IPv6	Read	Read/Modify
NetWare	Read	Read/Modify
SMB	Read	Read/Modify
SNMP	None	Read/Modify
SNMPv3	None	Read/Modify
SSDP	None	Read/Modify
Bonjour	Read	Read/Modify
System Log	Read	Read

Security

Menu	Guest mode	Administrator mode
Network Security	None	Read/Modify
Access Control	None	Read/Modify
SSL/TLS	None	Read/Modify
ssh	None	Read/Modify
Site Certificate	None	Read/Modify
Device Certificate	None	Read/Modify
IPsec	None	Read/Modify
User Lockout Policy	None	Read/Modify
IEEE 802.1X	None	Read/Modify
S/MIME	None	Read/Modify

RC Gate

Menu	Guest mode	Administrator mode
Setup RC Gate	None	Read/Modify
Update RC Gate Firmware	None	Read
RC Gate Proxy Server	None	Read/Modify

Webpage

Menu	Guest mode	Administrator mode
Webpage	Read	Read/Modify

Extended Feature Settings

Menu	Guest mode	Administrator mode
Startup Setting	None	Read/Modify
Extended Feature Info	None	Read
Install	None	Read/Modify
Uninstall	None	Read/Modify
Change Allocation	None	Read/Modify
Administrator Tools	None	Read/Modify
Additional Program Startup Setting	None	Read/Modify
Install Additional Program	None	Read/Modify
Uninstall Additional Program	None	Read/Modify
Copy Extended Features	None	Read/Modify
Copy Card Save Data	None	Read/Modify



• Some items are not displayed depending on the security settings.

When using Help for the first time, clicking the Help button (20) makes the following screen appear, in which you can view Help in two different ways, as shown below:

Viewing Help on our Web site

You can view the latest Help information.

Downloading and Checking Help

You can download the Web Image Monitor Help file to your computer's local disk so you can access Help directly. Alternatively, you can store the Help file on the Web server and associate it with the Help button, which will allow you to access Help without connecting to the Internet.



- By clicking the Help button (2) in the header area, the contents of Help appear.
- By clicking the Help button (2) in the work area, Help for the setting items in the work area appears.

Downloading Help

- 1. In the [OS] list, select the operating system.
- 2. In the [Language] list, select the language.
- 3. Click [Download].
- 4. Download Help by following the instructions on the screen.
- Store the downloaded compressed file in a given location, and then decompress the file.
 To create a link for the Help button (??), save the downloaded Help files on a Web server.

Linking the URL of the downloaded Help

You can link the URL of the Help file on a computer or Web server to the Help button (23).

- 1. Log in to Web Image Monitor in the administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Webpage", click [Webpage].
- 4. In the [Set Help URL Target] box, enter the URL of the help file.
 If the URL of the Help file on the Web server is "http://a.b.c.d/HELP/EN/index.html", enter "http://a.b.c.d/HELP/".
- 5. Click [OK].
- 6. "Updating..." appears. Wait for about one or two minutes, and then click [OK].

3



• If you save the Help files on your hard disk, you must access them directly - you cannot link to them using the Help button (??).

Machine Status Notification by E-Mail

Whenever a paper tray becomes empty, has a paper jam, or the administrator makes a request, a notification e-mail regarding the machine status is sent to the registered addresses.



Depending on your e-mail application, a phishing warning might appear after you receive an e-mail
message. To prevent phishing warnings appearing after you receive e-mail from a specified sender,
you must add the sender to your e-mail application's exclusion list. For details about how to do this,
see your e-mail application's Help.

The e-mail notification functions you can set are as follows:

Auto E-mail Notification

Whenever a paper tray becomes empty or has a paper jam, a notification e-mail is automatically sent to the registered addresses. Before you use this function, specify which events to report and register the e-mail addresses of the destinations.

On-demand E-mail Notification

The machine status and other information is sent by e-mail if a request e-mail from the administrator is received.

The information that can be notified by auto e-mail notification is as follows:

- Call Service
- · Out of Toner
- Toner Almost Empty
- Paper Misfeed
- Cover Open
- Out of Paper
- Almost Out of Paper
- Paper Tray Error
- Output Tray Full
- Unit Connection Error
- Waste Toner Bottle is Full
- Waste Toner Bottle is Almost Full
- Add Staples
- Service Call Successful*
- Service has been called, but currently unavailable
- Service Call Failed*
- Supply Call Successful*

- Supply Call Failed*
- Connection Error between Device and Server for Remote Diagnostics*
- Hole Punch Receptacle is Full
- Replacement Required Soon: Cleaning Web
- Confirm Firmware Update*
- File Storage Memory Full Soon
- Proxy Authentication Error*
- Replacement Required: Cleaning Web
- Waste Staple Receptacle is Full
- Device Access Violation
- Replacement Required: Unit
- Replacement Required Soon: Unit
- Toner Almost Empty (Remaining Level Selectable)
- * This auto e-mail notification is only available if the @Remote service is enabled and active.
- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [E-mail].
- 4. Make the following settings:
 - Administrator E-mail Address: Specify the administrator's e-mail address. On e-mailed scanned documents, if the sender is not specified this appears as the sender's address.
 - Items in the Reception column: Make the necessary settings for sending and receiving e-mail.
 - Items in the SMTP column: Configure the SMTP server. Check your mailing environment, and then specify the necessary items. You can also perform mail authentication for the SMTP server.
 - Items in the POP before SMTP column: Configure the POP server. Check your mailing environment, and then specify the necessary items. You can also perform mail authentication for the POP server.
 - Items in the POP3/IMAP4 column: Configure the POP3 or IMAP4 server. Check your mailing environment, and then specify the necessary items.
 - Items in the E-mail Communication Port column: Configure the port to be used for access to the mail server.
 - Items in the E-mail Notification Account column: Specify these items If you want to use e-mail notification.
- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.



- For details about login user name and password, see Security Reference, which is the administrator's manual
- Depending on the configuration of your Web browser, the login user name and password might be saved. If you do not want to save them, configure your Web browser's settings so that this information is not saved.
- For details about the settings, see Web Image Monitor Help.
- For details about Web Image Monitor, see p.73 "Using Web Image Monitor".

Setting the Account for E-mail Notification

Before you use Auto E-mail Notification or On-demand E-mail Notification, setup an e-mail account to be used for the function. Perform the following configuration task in Web Image Monitor.

- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [E-mail].
- 4. Make the following settings in E-mail Notification Account:
 - E-mail Notification E-mail Address: Enter the address using alphanumeric characters. This will
 appear as the sender (From:) of the e-mail notification. Send requests for e-mail notification to
 this address.
 - Receive E-mail Notification: Specify whether to use On-demand E-mail Notification.
 - E-mail Notification User Name: Enter the specified user name for the e-mail account in "E-mail Notification E-mail Address".
 - E-mail Notification Password: Enter the specified password for the e-mail account in "E-mail Notification E-mail Address".
- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.



• For details about Web Image Monitor, see p.73 "Using Web Image Monitor".

Mail Authentication

You can configure mail authentication to prevent illegal use of the mail server.

SMTP Authentication

Specify SMTP authentication.

When mail is sent to the SMTP server, authentication is performed using the SMTP AUTH protocol by prompting the mail originator to enter the user name and password. This prevents illegal use of the SMTP server.

- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [E-mail].
- 4. Make the following settings in SMTP column:
 - SMTP Server Name: Enter the IP address or host name of the SMTP server.
 - SMTP Port No.: Enter the port number used when sending e-mail to the SMTP server.
 - SMTP Authentication: Enable or disable SMTP authentication.
 - SMTP Auth. E-mail Address: Enter the e-mail address.
 - SMTP Auth. User Name: Enter the SMTP account name.
 - SMTP Auth. Password: To set or change the password for SMTP AUTH.
 - SMTP Auth. Encryption: Select whether to encrypt the password or not.

[Auto Select]: If the authentication method is PLAIN, LOGIN, CRAM-MD5, or DIGEST-MD5.

[Active]: If the authentication method is CRAM-MD5 or DIGEST-MD5.

[Inactive]: If the authentication method is PLAIN or LOGIN.

- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.

POP before SMTP Authentication

Select whether to log in to the POP3 server before sending e-mail.

- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [E-mail].
- 4. Make the following settings in POP before SMTP column:
 - POP before SMTP: Enable or disable POP before SMTP.
 - POP E-mail Address: Enter the e-mail address.
 - POP User Name: Enter the POP account name.
 - POP Password: To set or change the POP password.

- Timeout setting after POP Auth.: Enter the time available before connecting to the SMTP server after logging in to the POP server.
- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.



• For details about Web Image Monitor, see p.73 "Using Web Image Monitor".

Auto E-mail Notification

- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [Auto E-mail Notification].
- 4. Make the following settings:
 - Notification Message: You can set this according to your needs, for example, the machine's location, service representative contact information.
 - Items in the Groups to Notify column: E-mail notification addresses can be grouped as required.
 - Items in the Select Groups/Items to Notify column: Select groups for each notification type, such
 as machine status and error.

To make detailed settings for these items, click [Edit] next to "Detailed Settings of Each Item".

- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.



- For details about Web Image Monitor, see p.73 "Using Web Image Monitor".
- For details about the settings, see Web Image Monitor Help.

On-demand E-mail Notification

- 1. Log in to Web Image Monitor in administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Device Settings", click [On-demand E-mail Notification].
- 4. Make the following settings:
 - Notification Subject: Enter a text string to be added to the subject line of return e-mails.

- Notification Message: You can set this according to your needs, for example, the machine's location, service representative contact information.
- Restriction to Device Status Info.: Select whether or not to allow access to the information such
 as the machine settings and status.
- Items in the Receivable E-mail Address/Domain Name Settings column: Enter an e-mail address
 or domain name to use for requesting information by e-mail and to receive its return e-mail.
- 5. Click [OK].
- 6. Click [Logout].
- 7. Quit Web Image Monitor.



- For details about Web Image Monitor, see p.73 "Using Web Image Monitor".
- For details about the settings, see Web Image Monitor Help.

Format of On-demand E-mail Messages

To use "On-demand E-mail Notification", you need to send a request e-mail with a particular format to the machine.

Using your mail software, enter the following:

Format of the request e-mail

ltem	Description
То	Enter the specified e-mail address in "E-mail Notification E-mail Address".
Subject	Enter "requeststatus".
From	Specify a valid mail address. The device information will be sent to the address specified here.



- For details about specifying "E-mail Notification E-mail Address", see p.88 "Setting the Account for E-mail Notification".
- A mail message must be within 1 MB in size.
- E-mail may be incomplete if sent immediately after power on.
- The subject is not case sensitive.
- The body of a request e-mail has no meaning. Any text written in the e-mail body is ignored.

Remote Maintenance Using telnet

- Remote Maintenance should be protected so that access is allowed to administrators only.
- The password is the same as the one of Web Image Monitor administrator. When the password is changed using "telnet", other's change also.

Using telnet

Mportant (

- Only one user at a time can log in to perform remote maintenance.
- If you are using Windows Vista/7, you must enable the telnet server and telnet client beforehand.
- 1. Use the IP address or the host name of the machine to start telnet.

% telnet "IP address"

For example, if the machine's IP address is "192.168.15.16", enter the address as follows:

% telnet 192.168.15.16

2. Enter your user name and password.

For details about the user name and password, consult your network administrator.

- 3. Enter a command.
- 4. Quit telnet.

msh> logout

A message asking you to confirm saving the changes appears.

5. Enter "yes" to save the changes, and then press the [Enter] key.

If you do not want to save the changes, enter "no", and then press the [Enter] key. To make further changes, enter "return" at the command line, and then press the [Enter] key.



- If the message "Can not write NVRAM information" appears, the changes are not saved. Repeat the
 procedure above.
- · When the changes are saved, the network interface board is reset automatically with that changes.

access

Use the "access" command to view and configure access control. You can also specify two or more access ranges.

View settings

msh> access

IPv4 configuration display

msh> access "ID" range

IPv6 configuration display

msh> access "ID" range6

IPv6 access mask configuration display

msh> access "ID" mask6

IPv4 configuration

msh> access "ID" range "start-address end-address"

Example: to specify accessible IPv4 addresses between 192.168.0.10 and 192.168.0.20:

msh> access 1 range 192.168.0.10 192.168.0.20

IPv6 configuration

msh> access "ID" range6 "start-address end-address"

Example: to specify accessible IPv6 addresses between 2001:DB8::100 and 2001:DB8::200.

msh> access 1 range6 2001:DB8::100 2001:DB8::200

IPv6 access mask configuration

msh> access "ID" mask6 "base-address prefixlen"

Example: to specify accessible IPv6 addresses to 2001:DB8::/32

msh> access 1 mask6 2001:DB8:: 32

Access control initialization

msh> access flush

 Use the "flush" command to restore the default settings so that all access ranges become "0.0.0.0" for IPv4, and "::" for IPv6.



- You can specify each IPv6 entry by either range or mask. For the range parameter, you can select "start-address end-address". For the mask parameter, you can select "baseaddress prefixlen".
- The access range restricts computers from use of the machine by IP address. If you do not need to restrict the access range, set it to "0.0.0.0" for IPv4, and "::" for IPv6.
- Valid ranges must be from lower (start address) to higher (end address).
- For IPv4 and IPv6, you can select an ID number between 1 and 5.
- IPv6 can register and select the range and the mask for each access ranges.
- IPv6 mask ranges between 1 128 can be selected.
- Up to five access ranges can be specified. The entry is invalid if the target number is omitted.

• You cannot access Web Image Monitor from a restricted IP address.

autonet

Use the "autonet" command to configure AutoNet parameters.

View settings

The following command displays the current AutoNet settings:

msh> autonet

Configuration

You can configure AutoNet settings.

msh> autonet {on|off}

• {on} means "active" and {off} means "inactive".

Current interface priority configuration display

msh> autonet priority

Interface priority configuration

msh> autonet priority "interface_name"

- You can give interface's AutoNet parameter priority.
- Priority settings are available when multiple interfaces are installed.

Interface	Interface configured
ether	Ethernet interface



• If an interface is not selected, the current interface connection settings remain in effect.

bonjour

Use the "bonjour" command to display bonjour-related settings.

View settings

Bonjour settings are displayed.

msh> bonjour

Bonjour service name setting

You can specify the bonjour service name.

msh> bonjour cname "computer name"

- The computer name can be entered using up to 63 alphanumeric characters.
- If you do not specify a character string, the current setting is displayed.

Bonjour Installation location information setting

You can enter information about the location where the machine is installed.

msh> bonjour location "location"

- Information about the location can be entered using up to 32 alphanumeric characters.
- If you do not specify a character string, current setting is displayed.

IP TTL setting

msh> bonjour ipttl [1-255]

You can specify the IP TTL (the number of routers a packet can pass through).

• The default is 255.

Resetting the computer name and location information

You can reset the computer name and location information.

msh> bonjour clear {cname|location}

- cname: Reset the computer name. The default computer name will be displayed when the computer is restarted.
- location: Reset the location information. The previous location information will be deleted.

Interface configuration

msh> bonjour linklocal "interface name"

- If you do not specify an interface, the Ethernet interface is selected automatically.
- If many types of interface are installed, configure the interface that communicates with linklocal address.
- If you do not specify an interface, the Ethernet interface is automatically selected.

Interface	Interface configured
ether	Ethernet interface

devicename

Use the "devicename" command to display and change the machine name.

View settings

msh> devicename

Machine name configuration

msh> devicename name "character string"

- Enter a machine name using up to 31 alphanumeric characters.
- Set single names for machine.

Machine name initialization

msh> devicename clear name

• Reset the machine name to its default.

dhcp

Use the "dhcp" command to configure DHCP settings.

View settings

The following command displays the current DHCP settings.

msh> dhcp

Configuration

You can configure DHCP.

msh> dhcp "interface_name" {on|off}

- Specify "on" to enable dhcp. Specify "off" to disable DHCP.
- If the DNS server address and domain name are obtained from DHCP, be sure to specify {on}.

Interface name	Interface configured
ether	Ethernet interface

Current interface priority configuration display

msh> dhcp priority

Interface priority configuration

msh> dhcp priority "interface_name"

- You can select which interface has DHCP parameter priority.
- Priority settings are available when multiple interfaces are installed.

DNS server address selection

msh> dhcp dnsaddr {dhcp|static}

- Specify whether to obtain the DNS server address from the DHCP server or use the address set by a user.
- To obtain the DNS server address from the DHCP server, specify "dhcp". To use the address set by a user, specify "static".

Domain name selection

msh> dhcp "interface_name" domainname {dhcp|static}

- Specify whether to obtain the domain name from the DNS server or use the domain name set by a user.
- To obtain the domain name from the DHCP server, specify "dhcp". To use the domain name set by a user, specify "static".



• When using the machine in a DHCP environment, see p.213 "Using DHCP".

dhcp6

Use the "dhcp6" command to display or configure DHCPv6 settings.

View settings

The following command displays the current DHCPv6 settings.

msh> dhcp6

DHCPv6-lite configuration and display

msh> dhcp6 "interface_name" lite {on|off}

Interface name	Interface configured
ether	Ethernet interface

Viewing and specifying DNS server address selection (obtained from the dhcpv6 server/user specified value)

msh> dhcp6 dnsaddr {dhcp|static}

DUID (DHCP unique ID) deletion and display

msh> dhcp6 duid clear

Viewing and specifying the time required to re-obtain the parameter obtained from dhcpv6

msh> dhcp6 option lifetime [0-65535]

- It can be entered between 0 and 65535 minutes.
- The default is 60 minutes.
- If you specify "0", you cannot re-obtain the value.

dns

Use the "dns" command to configure or display DNS (Domain Name System) settings.

View settings

The following command displays the current DNS settings:

msh> dns

IPv4 DNS server configuration

The following command enables or disables the IPv4 DNS server address:

msh> dns "ID" server "server address"

The following command displays a configuration using the IP address 192.168.15.16 on a DNS 1 server:

msh> dns 1 server 192.168.15.16

- You can register IPv4 DNS Server address.
- You can select an ID number between 1 and 3. You can select up to three ID numbers.
- You cannot use "255.255.255.255" as the DNS server address.

IPv6 DNS server configuration

The following command enables or disables the IPv4 DNS server address:

msh> dns "ID" server6 "server address"

- You can register IPv6 DNS Server address.
- The selectable ID number is between 1 and 3. You can select up to 3 ID.

Dynamic DNS function setting

msh> dns "interface name" ddns {on|off}

- You can set the dynamic DNS function "active" or "inactive".
- {on} means "active" and {off} means "inactive".

Interface name	Interface configured
ether	Ethernet interface

msh> dns overlap {update|add}

- You can specify operations performed when records overlap.
- update: To delete old records and register new records.
- add: To add new records and store the old records.
- When CNAME overlaps, it is always changed, irrespective of the settings.

CNAME registration

msh> dns cname {on|off}

- You can specify whether to register CNAME.
- {on} means "active" and {off} means "inactive".

• The CNAME registered is the default name beginning with rnp. CNAME cannot be changed.

A records registration

msh> dns arecord {dhcp|own}

- dhcp: You can specify the method of registering an A record when the dynamic DNS function is enabled and DHCP is used.
- own: To register an A record using the machine as the DNS client.
 The DNS server address and the domain name already designated are used for the registration.

Record updating interval settings

msh> dns interval [1-255]

- You can specify the interval after which records are updated when using the dynamic DNS function.
- The updating interval is specified hourly. It can be entered between 1 and 255 hours.
- The default is 24 hours.

resolv.conf display

msh> dns resolv

Specifying the protocol when asking names during dual stacking

msh> dns resolv protocol {ipv4|ipv6}

Appears during dual stacking only.

domainname

Use the "domainname" command to display or configure the domain name settings.

View settings

The following command displays the current domain name:

msh> domainname

Interface domain configuration

msh> domainname "interface_name"

Setting the Domain Name

msh> domainname "interface_name" name "domain name"

• A domain name can be entered using up to 63 alphanumeric characters.

Interface	Interface set
ether	Ethernet interface

Deleting the Domain Name

msh> domainname "interface_name" clear name

etherauth

Use the "etherauth" command to display or modify the authentication related parameters for Ethernet.

View settings

msh> etherauth

802.1x configuration

msh> etherauth 8021x {on|off}

• {on} means "active" and {off} means "inactive".

etherconfig

Use the "etherconfig" command to view and configure the Ethernet parameters.

View settings

msh> etherconfig

Specify Ethernet Speed

msh> etherconfig speed {auto|10f|10h|100f|100h}

- auto=Auto Select
- 10f=10 Mbps Full Duplex
- 10h=10 Mbps Half Duplex
- 100f=100 Mbps Full Duplex
- 100h=100 Mbps Half Duplex

The default is "auto".

help

Use the "help" command to display the available command list and the procedures for using those commands.

Command list display

msh> help

Display of procedure for using commands

msh> help "command_name"

hostname

Use the "hostname" command to change the host name.

View settings

msh> hostname

IPv4 Configuration

msh> hostname "interface_name" name "character string"

- Enter the host name using up to 63 alphanumeric characters.
- You cannot use a host name beginning "RNP" (in either upper or lower case).
- If you do not specify an interface, the Ethernet interface is selected automatically.

Interface name	Interface configured
ether	Ethernet interface

Initializing the host name for each interface

msh> hostname "interface_name" clear name

ifconfig

Use the "ifconfig" command to view and configure TCP/IP (IP address, subnet mask, broadcast address, default gateway address) for the machine.

View settings

msh> ifconfig

IPv4 configuration

msh> ifconfig "interface_name" "address"

• If you did not enter an interface name, it is automatically set to the Ethernet interface.

Interface name	Interface configured
ether	Ethernet Interface

The following explains how to configure an IPv4 address 192.168.15.16 on the Ethernet interface. msh> ifconfig ether 192.168.15.16

IPv6 configuration

msh> ifconfig "interface_name" inet6 "address" "prefixlen[1-128]"

The following explains how to configure an IPv6 address to 2001:DB8::100 with prefix length 64 on the Ethernet interface.

msh> ifconfig ether inet6 2001:DB8::100 64

Netmask configuration

msh> ifconfig "interface_name" netmask "address"

The following explains how to configure a subnet mask 255.255.255.0 on the Ethernet interface.

msh> ifconfig ether netmask 255.255.255.0

Broadcast address configuration

msh> ifconfig "interface_name" broadcast "address"

Changing the interface

msh> ifconfig "interface" up



- To get the above addresses, contact your network administrator.
- Use the default configuration if you cannot obtain setting addresses.
- Use "Ox" as the initial two letters of a hexadecimal address.

ipsec

Use the "ipsec" command to view and configure the IPsec settings.

View settings

The following command displays the current IPsec settings:

msh> ipsec



• For details about displayed contents, consult your administrator.

ipv6

Use the "ipv6" command to display and configure the IPv6 settings.

View Setting

msh> ipv6

IPv6 stateless address

msh> ipv6 stateless {on|off}

logout

Use "logout" command to quit telnet.

Quit telnet

msh> logout

A confirmation message appears.

{yes|no|return}

Enter [yes], [no] or [return] by typing the word, and then press the [Enter] key.

To save the changes and quit telnet, enter [yes].

To discard the changes and quit telnet, enter [no].

To continue making changes, enter [return].

netware

Use the "netware" command to view and configure the NetWare settings such as the file server name.

NetWare File Server Names

msh> netware fname "character string"

• Enter the NetWare file server name using up to 47 characters.

Encap type

msh> netware encap {802.3|802.2|snap|ethernet2|auto}

SAP interval

msh> netware sap_interval [0-3600]

It can be entered between 0 and 3600 seconds.

Setting login mode for file server

msh> netware login server

Setting login mode for NDS tree

msh> netware login tree

Setting login mode for NDS tree name

msh> netware tree "NDS tree name"

File transfer protocol

msh> netware trans {ipv4pri|ipxpri|ipv4|ipx}

• If you do not specify the protocol, the current setting is displayed.

Protocol	Set Protocol
ipv4pri	IPv4+IPX(IPv4)
ipxpri	IPv4+IPX(IPX)
ipv4	IPv4
ipx	IPX

passwd

Use the "passwd" command to change the remote maintenance password.

Changing the password

msh> passwd

- Enter the current password.
- Enter the new password.
- Renter the new password to confirm it.

Changing the password of the administrators using the Supervisor

msh> passwd {Administrator ID}

- Enter the new password.
- Renter the new password to confirm it.



- Be sure not to forget or lose the password.
- The password can be entered using up to 32 alphanumeric characters. Passwords are case-sensitive. For example, "R" is not the same as "r".

pathmtu

Use the "pathmtu" command to display and configure the PathMTU Discovery service function.

View settings

msh> pathmtu

Configuration

msh> pathmtu {on|off}

• The default is "on".

- If the MTU size of the sent data is larger than the router's MTU, the router will declare it
 impassable, and communication will fail. If this happens, setting "pathmtu" to "on" optimizes the
 MTU size and prevents data output failure.
- Depending on the environment, information might not be obtained from the router, and communication will fail. If this happens, set "pathmtu" to "off".

route

Use the "route" command to view and control the routing table.

Specified route information display

msh> route get "destination"

• Specify the IPv4 address to destination.

"0.0.0.0" cannot be specified as the destination address.

Enabling/disabling specified IPv4 destination

msh> route active {host|net} "destination" {on|off}

• If you do not specify {host | net}, the host setting is automatically selected.

Adding IPv4 routing table

msh> route add {host|net} "destination" "gateway"

- Adds a host or network route to "destination", and a gateway address to "gateway" in the table.
- Specify the IPv4 address to destination and gateway.
- If you do not specify {host | net}, the host setting is selected automatically.
- You cannot specify "0.0.0.0" as the destination address.

Setting the Default IPv4 gateway

msh> route add default "gateway"

Deleting specified IPv4 destination from routing table

msh> route delete {host|net} "destination"

- If you do not specify {host | net}, the host setting is automatically selected.
- IPv4 address of destination can be specified.

Setting IPv6 default gateway

msh> route add6 default "gateway"

Adding a specified IPv6 destination to routing table

msh> route add6 "destination" "prefixlen[1-128]" "gateway"

• Specify the IPv6 address to destination and gateway.

- If the prefix of the address is between 1 and 127, the network is selected. If the prefix of the address is 128, the host is selected.
- You cannot register a record that has the same destination and prefix as a registered record.

Deleting a specified IPv6 destination from routing table

```
msh> route delete6 "destination" "prefixlen"
```

• Specify the IPv6 address to destination and gateway.

Display information about a specified IPv6 route information

```
msh> route get6 "destination"
```

• Specify the IPv6 address to destination and gateway.

Enabling/disabling a specified IPv6 destination

```
msh> route active6 "destination" "prefixlen[1-128]" {on|off}
```

Route initialization

msh> route flush



- The maximum number of IPv4 routing tables is 16.
- The maximum number of IPv6 routing tables is 2.
- Set a gateway address when communicating with devices on an external network.
- The same gateway address is shared by all interfaces.
- "Prefixlen" is a number between 1 and 128.

set

Use the "set" command to set the protocol information display "up" or "down".

View settings

The following command displays the protocol information (up/down).

msh> set ipv4
msh> set ipv6
msh> set ipsec
msh> set netware
msh> set smb
msh> set protocol

When protocol is specified, information about IPv4, IPv6, IPsec, NetWare, and SMB appears.

```
msh> set ftp
msh> set ftp6
msh> set rsh
msh> set rsh6
msh> set web
msh> set snmp
msh> set ssl
msh> set ss16
msh> set nrs
msh> set rfu
msh> set rfu6
msh> set http
msh> set http6
msh> set bonjour
msh> set bonjour6
msh> set nbt
msh> set ssdp
msh> set ssh
msh> set sftp
msh> set sftp6
msh> set wsdev
msh> set wsdev6
msh> set wsscn
msh> set 11td
```

Configuration

• Enter "up" to enable the protocol, and enter "down" to disable the protocol.

You can set the protocol to "active" or "inactive".

```
msh> set ipv4 {up|down}
```

- If you disable IPv4, you cannot use remote access after logging out. If you did this by mistake, you can use the control panel to enable remote access via IPv4.
- Disabling IPv4 also disables ftp, rsh, web, snmp, ssl, http, bonjour, wsdev, and sftp.

```
msh> set ipv6 {up|down}
```

• If you disable IPv6, you cannot use remote access after logging out. If you did this by mistake, you can use the control panel to enable remote access via IPv6.

• Disabling IPv6 also disables ftp6, rsh6, ssl6, http6, bonjour6, wsdev6, and sftp6.

 If Secured Sockets Layer (SSL, an encryption protocol) function is not available for the machine, you cannot use the function by enabling it.

```
msh> set nrs {up|down}
msh> set rfu {up|down}
msh> set rfu6 {up|down}
msh> set http {up|down}
msh> set http6 {up|down}
msh> set bonjour {up|down}
msh> set bonjour {up|down}
msh> set bonjour6 {up|down}
msh> set ssdp {up|down}
msh> set ssdp {up|down}
msh> set sftp {up|down}
msh> set sftp6 {up|down}
msh> set sftp6 {up|down}
msh> set sftp6 {up|down}
msh> set wsdev {up|down}
```

- If "wsdev" and "wsdev6" are enabled simultaneously, both appear as "up" on the protocol information display, but both use IPv4 for WSD (Device) and WSD (Scanner).
- To use IPv6 for both WSD (Scanner) and WSD (Device), set "wsdev" to "down" and "wsdev6" to "up".

```
msh> set wsscn {up|down}
msh> set lltd {up|down}
```

show

Use the "show" command to display the network interface board configuration settings.

View settings

msh> show

• If "-p" is added, you can view settings one by one.



• For details about the displayed information, see p.122 "Understanding the Displayed Information".

smb

Use the "smb" command to configure or delete a computer or workgroup name for SMB.

View settings

msh> smb

View computer name

msh> smb comp

Computer name settings

msh> smb comp "computer name"

- Set computer name using up to 15 characters.
- Names beginning with "RNP" or "rnp" cannot be entered.

View workgroup name

msh> smb group

Working group name settings

msh> smb group "work group name"

• Set workgroup name using up to 15 characters.

Comment settings

msh> smb comment "comment"

• Set comment using up to 31 characters.

Notify print job completion

msh> smb notif {on|off}

• To notify print job completion, specify "on". Otherwise, specify "off".

Deleting computer name

msh> smb clear comp

Deleting group name

msh> smb clear group

Deleting comment

msh> smb clear comment

View protocol

msh> smb protocol

Displaying higher priority SMB client ports

msh> smb client port

Specifying higher priority SMB client ports

msh> smb client port {139|445}

Displaying SMB client authentication level

msh> smb client auth

Specifying SMB client authentication level

msh > smb client auth {0|1}

snmp

Use the "snmp" command to display and edit the SNMP configuration settings such as the community name.

View settings

msh> snmp

• Default access settings 1 is as follows:

Community name: public

IPv4 address: 0.0.0.0

IPv6 address:::

IPX address: 00000000:000000000000

Access type: read only

Effective Protocol: IPv4/IPv6/IPX

• Default access settings 2 is as follows:

Community name: admin

IPv4 address: 0.0.0.0

IPv6 address:::

IPX address: 00000000:000000000000

Access type: read/write

Effective Protocol: IPv4/IPv6/IPX

- If "-p" is added, you can view settings one by one.
- To display the current community, specify its registration number.

Display

msh> snmp ?

Community name configuration

msh> snmp "number" name "community name"

- You can configure ten SNMP access settings numbered 1-10.
- The community name can be entered using up to 15 characters.

Deleting community name

msh> snmp "number" clear name

Access type configuration

msh> snmp "number" type "access_type"

Access type	Type of access permission
no	not accessible
read	read only
write	read and write
trap	user is notified of trapmessages

Protocol configuration

Use the following command to set protocols "active" or "inactive". If you set a protocol "inactive", all access settings for that protocol are disabled.

msh> snmp {ipv4|ipv6|ipx} {on|off}

- Specify "ipv4" for IPv4, "ipv6" for IPv6, or "ipx" for IPX/SPX.
- {on} means "active" and {off} means "inactive".
- All protocols cannot be turned off concurrently.

Configuration of protocol for each registration number

msh> snmp "number" active {ipv4|ipv6|ipx} {on|off}

 To change the protocol of access settings, use the following command. However, if you have disabled a protocol with the above command, activating it here has no effect.

Access configuration

msh> snmp "number" {ipv4|ipv6|ipx} "address"

• You can configure a host address according to the protocol used.

- The network interface board accepts requests only from hosts that have IPv4, IPv6, and IPX addresses with access types of "read-only" or "read-write". Enter "0" to have the network interface board accept requests from any host without requiring a specific type of access.
- Enter a host address to deliver "trap" access type information to.
- To specify IPv4 or IPv6, enter "ipv4" or "ipv6" followed by a space, and then the IPv4 or IPv6
 address.
- To specify IPX/SPX, enter "ipx" followed by a space, the IPX address followed by a decimal, and then the MAC address of the network interface board.

sysLocation configuration

msh> snmp location "character string"

Deleting sysLocation

msh> snmp clear location

sysContact setting

msh> snmp contact "character string"

Deleting sysContact

msh> snmp clear contact

SNMP v1v2 function configuration

msh> snmp v1v2 {on|off}

• Specify "on" to enable, and "off" to disable.

SNMP v3 function configuration

msh> snmp v3 {on|off}

• Specify "on" to enable, and "off" to disable.

SNMP TRAP configuration

 $msh > snmp trap \{v1|v2|v3\} \{on|off\}$

• Specify "on" to enable, and "off" to disable.

Remote configuration authorization configuration

msh> snmp remote {on|off}

Specify "on" to enable, and "off" to disable the SNMP v1v2 setting.

SNMP v3 TRAP configuration display

msh> snmp v3trap
msh> snmp v3trap [1-5]

• If a number from 1 to 5 is entered, settings are displayed for that number only.

Configuring a sending address for SNMP v3 TRAP

msh> snmp v3trap [1-5] {ipv4|ipv6|ipx} "address"

Configuring a sending protocol for SNMP v3 TRAP

msh> snmp v3trap [1-5] active {ipv4|ipv6|ipx} {on|off}

Configuring a user account for SNMP v3 TRAP

msh> snmp v3trap [1-5] account "account_name"

• Enter an account name using up to 32 alphanumeric characters.

Deleting an SNMP v3 TRAP user account

msh> snmp v3trap [1-5] clear account

Configuring an SNMP v3 encryption algorithm

msh> snmp v3auth {md5|sha1}

Configuring SNMP v3 encryption

msh> snmp v3priv {auto|on}

- Set "auto" for automatic encryption configuration.
- If you select "on", plain-text communication becomes impossible only encrypted communication is possible.



• "Encrypted communication" means an encrypted password is set on the machine.

sntp

The machine clock can be synchronized with a NTP server clock using Simple Network Time Protocol (SNTP). Use the "sntp" command to change the SNTP settings.

View settings

msh> sntp

NTP IPv4 server address configuration

You can specify the IPv4 address of the NTP server.

msh> sntp server "IPv4_address"

NTP hostname configuration

You can specify the hostname of the NTP server.

msh> sntp server "hostname"

Deleting NTP server configuration

msh> sntp server clear

Interval configuration

msh> sntp interval "polling_time"

- You can specify the interval at which the machine synchronizes with the operator-specified NTP server. The default is 60 minutes.
- The interval can be entered from 0, or between 15 and 10,080 minutes.
- If you set 0, the machine synchronizes with the NTP server only when you turn the machine on. After that, the machine does not synchronize with the NTP server.

Time-zone configuration

msh> sntp timezone "±hour_time"

You can specify the time difference between the machine clock and NTP server clock. The values
are between -12:00 and +13:00.



• You can only select either the address or host name for the ntp server.

ssdp

Use the "ssdp" command to view and configure the SSDP settings.

View settings

msh> ssdp

Setting effective time

msh> ssdp profile [1801-86400] The default is 10800 seconds.

Advertise packet TTL settings

msh> ssdp ttl [1-255] The default is 4.

ssh

Use the "ssh" command to view and configure the SSH settings.

View settings

msh> ssh

Data compression communication settings

msh> ssh compression {on|off}

SSH/SFTP communication port setting

The default is "on".

msh> ssh port [22, 1024-65535]

The default is 22.

SSH/SFTP communication timeout setting

msh> ssh timeout [0-65535]

The default is 300.

SSH/SFTP communication login timeout setting

msh> ssh logintimeout [0-65535]

The default is 300.

Setting an open key for SSH/SFTP

msh> ssh genkey {512|768|1024} "character string"

Create an open key for SSH/SFTP communication.

Usable characters are ASCII 0x20-0x7e (32 bytes) other than "0".

The default key length is 1024, and the character string is blank.

If you do not specify this parameter, an open key with the default value will be created.

Deleting open key for ssh/sftp communication

msh> ssh delkey



- If you do not specify a character string, current setting is displayed.
- ssh can be used only with sftp.

syslog

Use the "syslog" command to display the information stored in the machine's system log.

View message

msh> syslog



• For details about the displayed information, see p.126 "Message List".

upnp

Use the "upnp" command to display and configure the universal plug and play.

Public URL display

msh> upnp

Public URL configuration

msh> upnp url "string"

• Enter the URL string in the character string.

Resetting public URL

```
msh> upnp clear url
```

web

Use the "web" command to display and configure parameters on Web Image Monitor.

View settings

msh> web

URL configuration

You can set URLs linked by clicking URL on Web Image Monitor.

```
msh> web "ID" url http://"The URL or IP address you want to register"/
```

Specify "1" or "2" for ID as the number corresponding to the URL. Up to two URLs can be registered and specified.

Resetting URLs registered as link destinations

```
msh> web "ID" clear url
```

Specify "1" or "2" for ID as the corresponding number to the URL.

Link name configuration

You can enter the name for URL that appears on Web Image Monitor.

```
msh> web "ID" name "Name you want to display"
```

Specify "1" or "2" for ID the corresponding number to the link name.

Resetting URL names registered as link destinations

```
msh> web "ID" clear name
```

Specify "1" or "2" for ID as the number corresponding to the link name.

Help URL configuration

You can set URLs linked by clicking "?" on Web Image Monitor.

```
msh> web help http://"Help URL or IP address"/help/
```

Resetting Help URL

msh> web clear help

wins

Use the "wins" command to configure the WINS server settings.

Viewing settings

msh> wins

• If the IPv4 address obtained from DHCP differs from the WINS IPv4 address, the DHCP address is the valid address.

Configuration

msh> wins "interface_name" {on|off}

- {on} means "active" and {off} means "inactive".
- Be sure to specify the interface.

Interface name	Interface configured
ether	Ethernet interface

Address configuration

Use the following command to configure a WINS server IP address:

msh> wins "interface_name" {primary|secondary} "IPv4 address"

- Use the "primary" command to configure the primary WINS server IP address.
- Use the "secondary" command to configure the secondary WINS server IP address.
- Do not use "255.255.255.255" as the IP address.

NBT (NetBIOS over TCP/IP) scope ID selection

You can specify the NBT scope ID.

msh> wins "interface_name" scope "ScopeID"

- The scope ID can be entered using up to 31 alphanumeric characters.
- Be sure to specify the interface.

Interface name	Interface configured
ether	Ethernet interface

wsmfp

Use the "wsmfp" command to view and configure the WSD (Device) and WSD (Scanner) settings.

View settings

msh> wsmfp

Comment settings

msh> wsmfp comments "comment"

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• If you do not specify a comment, current setting is displayed.

Location configuration

mah> wsmfp location "location"

• If you do not specify a comment, current setting is displayed.

Presentation URL configuration

```
msh> wsmfp url "URL"
```

• Enter the URL string in the "URL".

WSD (Device) TCP port configuration

msh> wsmfp devport "port_number"

• The Default is 53000.

WSD (Scanner) TCP port configuration

msh> wsmfp scnport "port_number"

• The Default is 53002.

Comment initialization

msh> wsmfp clear comments

Location initialization

msh> wsmfp clear location

Presentation URL initialization

msh> wsmfp clear url

8021x

Use "8021x" command to display IEEE 802.1x related information.

View settings

msh> 8021x

Configuration

msh> 8021x "parameter"

Parameter	Value configured
eap {tls ttls leap peap} {chap mschap mschapv2 pap md5 tls}	You can specify the EAP authentication type.
	tls: EAP-TLS (default)
	ttls: EAP-TTLS
	leap: LEAP
	peap: PEAP
	chap, mschap, mschapv2, pap, md5, and tls are settings for the phase 2 method, and one of these must be specified if EAP-TTLS or PEAP is selected.
	Do not make these settings when using other EAP authentication types.
	If you select EAP-TTLS, you can select chap, mschap, mschapv2, pap, or md5.
	If you select PEAP, you can select mschapv2 or tls.
username "character string"	You can specify the login user name for the Radius server.
	Usable characters: ASCII 0x20-0x7e (31 bytes).
	The default is blank.
username2 "character string"	You can specify the phase 2 username for EAP-TTLS/PEAP phase 2 authentication.
	Usable characters: ASCII 0x20-0x7e (31 bytes).
	The default is blank.
domain "character string"	You can specify the login domain name for the Radius server.
	The characters you can enter are ASCII 0x20-0x7e (64 bytes), but not "@" or "\".
	The default is blank.
password "character string"	You can specify the login password for the Radius server.
	Usable characters: ASCII 0x20-0x7e (128 bytes). The default is blank.

Parameter	Value configured
srvcert {on off}	You can set the server certificate. The default is "off".
imca {on off}	You can enable or disable the certificate when the intermediate certificate authority is present. The default is "off".
srvid "character string"	You can set the server ID and sub domain of the certificate server. Usable characters: ASCII 0x20-0x7e (128 bytes). The default is blank.
subdomain {on off}	You can specify whether or not to permit access to the machine by users in subdomains use. The default is "off".
claer {a each command all}	Returns the selected setting to its default value. If you specify "all", all settings will be restored to their default values. However, IEEE 802.1x Auth. status (enable or disable) for Ethernet will not be initialized.

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SNMP

Using the SNMP manager, you can get information about the machine.

The SNMP agent operating on UDP and IPX is incorporated into the built-in Ethernet board of this machine.

This machine also supports SNMPv3, which increases user authentication, data encryption, and access control security.

To encrypt communication by SNMPv3, you must specify the machine's encrypted password.

The default community names are [public] and [admin]. You can get MIB information using these community names.

Understanding the Displayed Information

This section explains how to read status information returned by the network interface board.

Configuring the Network Interface Board

Use the following command to display network interface board settings:

• telnet: Use the "show" command.

Protocol Up/Down

The following protocols are displayed ("Up" indicates enabled; "Down" indicates disabled):.

IPv4, IPv6, IPsec, NetWare, SMB

Ethernet interface

Displays the Ethernet speed.

Syslog priority

"LOG_INFO" is displayed.

NVRAM version

Displays the NVRAM version.

Device name

Displays the device name.

Comment

Displays the comment(s).

Location

Displays the location of the device.

Contact

Displays the contact details.

Soft switch

Displays the soft switch.

TCP/IP

The following items are displayed: ("Up" indicates enabled; "Down", indicates disabled):.

- Mode (IPv4)
- Mode (IPv6)

ftp, rsh, web, http, ftpc, snmp, autonet, Bonjour, ssl, nrs, rfu, nbt, ssdp, ssh, sftp, WSD (Device), WSD (Scanner)

IPv4

DHCP, Address, Netmask, Broadcast, Gateway

IPv6

Stateless, Manual, Gateway, DHCPv6-lite, DUID, DHCPv6 option lifetime

IPsec

Manual Mode, Excluded Protocol (https, dns, dhcp, wins)

- EncapType
- Host name
- DNS Domain
- Access Control

IPv4: Access Entry [1]-[5]

IPv6: Access Entry [1]-[5]

- SNTP Server
- Time Zone
- SNTP Server polling time
- SYSLOG server
- Home page URL1
- Home page link name 1
- Home page URL2
- Home page link name2
- Help page URL

NetWare

The following items are displayed:

- EncapType
- File server name
- Switch

Login Mode

- SAP interval time
- NDS Tree Name
- Transfer Protocol

SMB

The following items are displayed:

• Switch

Mode, Direct print, Notification

- Workgroup name
- Computer name
- Comment
- Share name [1]
- Protocol
- Client port
- Client auth level

Ethernet

The following item is displayed:

802.1X Authentication

DNS

The following items are displayed:

IPv4

Server [1]-[3], Selected IPv4 DNS Server

IPv6

Server [1]-[3], Selected IPv6 DNS Server

• Resolver Protocol

Domain name

The following items are displayed:

ether

DDNS

The following items are displayed:

ether

WINS

The following items are displayed:

• ether

Primary WINS, Secondary WINS

SSDP

The following items are displayed:

UUID, Profile, TTL

UPnP

The following item is displayed:

URL

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Bonjour

The following items are displayed:

Computer Name (cname), Local Hostname (ether), Location, IP TTL, LinkLocal Route for Multi I/F

SNMP

The following items are displayed:

SNMPv1v2, SNMPv3, protocol, v1Trap, v2Trap, v3Trap, SNMPv1v2 Remote Setting, SNMPv3 Privacy

ssh

The following items are displayed:

Compression, Port, TimeOut, LoginTimeOut

Certificate

The following item is displayed:

Verification

WS-MFP

The following items are displayed:

Network Device Name, Comments, Location, Presentation URL, WSD (Device) TCP Port, WSD (Scanner) TCP Port, MetadataVersion, UUID

IEEE 802.1X

The following items are displayed:

User name, Domain name, EAP Type, Password, Phase 2 user name, Phase 2 Method TTLS, Phase 2 Method PEAP, Server cert, Intermediate CA, Server ID, Sub domain

Shell mode

"User mode" is displayed.

Message List

This is a list of messages that appear in the machine's system log. The system log can be viewed using the "syslog" command.

System Log Information

Use the following command to display the system log information:

- UNIX: Use the "syslog" parameter and the "rsh", "rcp", "ftp", and "sftp" commands. "rsh" and "rcp" cannot be used in a Windows environment.
- telnet: Use the "syslog" command.

Message	Problem and solutions
account is unavailable: same account name be used.	User account is disabled. This could be because it use the same account name as the administrator account.
account is unavailable: The authentication password is not set up.	User account is disabled. This could be because the authentication password is not set, and only the encryption account is set.
account is unavailable: encryption is impossible.	Encryption is not possible and account is disabled. This could be because: • Security option is not installed. • Encryption password has not been specified.
add_sess_IPv4: bad trap addr: <ipv4 address="">, community: <community name=""></community></ipv4>	The IPv4 address (0.0.0.0.) is unavailable when the community access type is TRAP. Specify the host IPv4 address for the TRAP destination.
add_sess_IPv6: bad trap addr: <ipv6 address="">, community: <community name=""></community></ipv6>	The IPv6 address [::] is unavailable when the community access type is TRAP. Specify the host IPv6 address for the TRAP destination.
add_sess_IPX: bad trap addr: <ipx address="">, community: <community name=""></community></ipx>	The IPX address (00:00:00:00:00) is unavailable when the community access type is TRAP. Specify the host IPX address for the TRAP destination.
add_sess_IPv4: community <community name=""> already defined.</community>	The same community name already exists. Use another community name.

3

Message	Problem and solutions
add_sess_IPv6: community <community name=""> already defined.</community>	The same community name already exists. Use another community name.
add_sess_IPX: community <communityname> already defined.</communityname>	The same community name already exists. Use another community name.
adjust time server < NTP server name> offset: xx sec.	ncsd tells you the timing of the NTP server and whether or not the time system clock is set. NTP Server: NTP server name offset: number of seconds of delay (minus number if a time in advance is specified)
Attach FileServer= <file server=""></file>	Connection to the file server as the nearest server has been established.
child process exec error ! (process name)	The network service failed to start. Turn the machine off and then on. If this does not work, contact your sales or service representative.
Connected DHCP server (<dhcp address="" server="">).</dhcp>	The IP address was successfully received from the DHCP server.
Connected DHCPv6 server (<dhcp address="" ipv6="" server="">)</dhcp>	The IP address was successfully received from the DHCPv6 server.
connection from <ip address=""></ip>	A user logged in from the host <ip address="">.</ip>
Current Interface Speed: xxx Mbps	Speed of the network (10 Mbps or 100 Mbps).
Current IP address (<current address="" ip="">).</current>	The IP address <current address="" ip=""> was acquired from the DHCP server.</current>
Current IPX address <ipx address=""></ipx>	The current IP address is <ipx address="">.</ipx>
DHCP lease time expired.	The DHCP lease time has expired. Perform the DHCP discover again. The IP address you have been using is no longer available.
DHCP server not found.	The DHCP server was not found. Make sure that the DHCP is on the network.
DHCPv6 server not found.	The DHCPv6 server was not found. Make sure that the DHCPv6 is on the network.

Message	Problem and solutions
Duplicate IP= <ip address="">(from <mac address="">).</mac></ip>	A conflicting IPv4 or IPv6 address was used. Each IPv4 or IPv6 address must be unique. Check the device address in [MAC address].
Frametype= <frametype name=""></frametype>	The specified frame type name <frame name="" type=""/> is for NetWare use.
httpd start.	The httpd has started.
(IKE phase-1) mismatched authentication type: local= <authentication 1="" type=""> remote=<authentication 2="" type=""></authentication></authentication>	This machine's <authentication 1="" type=""> in IKE phase 1 does not match the communicating host's <authentication 2="" type="">, Make sure this machine's ISAKMP SA authentication type matches that of the communicating host.</authentication></authentication>
(IKE phase-1) mismatched encryption type: local= <encryption 1="" algorithm=""> remote=<encryption 2="" algorithm=""></encryption></encryption>	This machine's ISAKMP SA Oakley group <encryption 1="" algorithm=""> in IKE phase 1 does not match the communicating host's ISAKMP SA Oakley group < encryption algorithm 2>, Make sure this machine's ISAKMP SA Oakley group matches that of the communicating host.</encryption>
(IKE phase-1) mismatched DH group: local= <dh 1="" group="" number=""> remote=<dh 2="" group="" number=""></dh></dh>	This machine's ISAKMP SA Oakley group <dh 1="" group="" number=""> in IKE phase 1 does not match the communicating host's ISAKMP SA Oakley group <dh 2="" group="" number="">, Make sure this machine's ISAKMP SA Oakley group matches that of the communicating host.</dh></dh>
(IKE phase-1) mismatched hash type: local= <hash Algorithm 1> remote=<hash 2="" algorithm=""></hash></hash 	This machine's ISAKMP SA <hash 1="" algorithm=""> in IKE phase 1 does not match the communicating host's ISAKMP SA <hash 2="" algorithm="">, Make sure this machine's ISAKMP SA Hash Algorithm matches that of the communicating host.</hash></hash>
IKE [% s] is disable, set PSK text.	The specified IKE entry invalid. Enter the PSK text.
inetd start.	The inetd service has started.
Interface (interface name): Duplicate IP Address (<ip address="">).</ip>	The same IP (IPv4 or IPv6) address was used. Each IP address must be unique. Check the address of the device indicated in [IP address].

Message	Problem and solutions
< Interface > started with IP: < IP address >	IP address (IPv4 or IPv6 address) has been set for the interface and is operating.
< Interface >: Subnet overlap.	The same IP address (IPv4, or IPv6 address) and the subnet mask is used with other device.
LeaseTime= <lease time="">(sec), RenewTime=<renew time="">(sec).</renew></lease>	The resource lease time received from the DHCP server is displayed in [lease time] in seconds. The renewal time is displayed in [renew time] in seconds.
Manual [%s] is disable, set authentication key.	The specified manual SA entry is invalid. Set the authentication key.
Manual [%s] is disable, set encryption key.	The specified manual SA entry is invalid. Set the authentication key.
Name registration failed. name= <netbios name=""></netbios>	Name registration of <netbios name=""> failed. Change to a different NetBIOS name.</netbios>
Name registration success in Broadcast name= <netbios name=""></netbios>	Name registration by <netbios name=""> broadcast was successful.</netbios>
Name registration success. WINS server= <wins address="" server=""> NetBIOS Name=<netbios name=""></netbios></wins>	Name registration of <netbios name=""> to <wins address="" server=""> was successful.</wins></netbios>
nbtd start.	The nbtd (NetBIOS over TCP/IP Daemon) has started.
nwstart start. (NetWare)	The NetWare protocol stack setup server has started.
print sessions full	No more print jobs can be accepted. Wait a while before sending any more print jobs.
Required file server (<file name="" server="">) not found</file>	The required file server <file name="" server=""> could not be found.</file>
sap enable, saptype= <sap type="">, sapname=<sap name=""></sap></sap>	The SAP function was started. The SAP packet is issued to advertise the service in the SAP table on the NetWare server.
session_IPv4 <community name=""> not defined.</community>	The requested community name is not defined.

Message	Problem and solutions
session_IPv6 <community name=""> not defined.</community>	The requested community name is not defined.
session_IPX <community name=""> not defined.</community>	The requested community name is not defined.
shutdown signal received. network service rebooting	The network is rebooting.
smbd start. (NetBIOS)	SMBD (Server Message Block Daemon) has been started.
SMTPC: failed to get smtp server ip-address.	The SMTP server IP address could not be obtained. This could be because:
	The specified DNS server could not be found.
	 No connection to the network has been established.
	The specified DNS server could not be found.
	An incorrect DNS server is specified.
	The specified SMTP server IP address could not be found in the DNS server.
SMTPC: failed to connect smtp server. timeout.	Connection to the SMTP server failed due to timeout. This could be because the specified SMTP server name is incorrect, or no connection to the network has been established, or the network configuration is incorrect, so there is no response from the SMTP server. Check the SMTP server name, or the network connection and configuration.
SMTPC: refused connect by smtp server.	Connection to the SMTP server is denied. This could be because server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the SMTP server name, port number, or the SMTP server port number.
SMTPC: no smtp server. connection close.	Connection to the SMTP server failed due to no response from SMTP. This could be because a server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the SMTP server name, port number, or the SMTP server port number.

Message	Problem and solutions
SMTPC: failed to connect smtp server.	Connection to the SMTP server failed. This could be because no connection to the network has been established, or the network configuration is incorrect, so there is no response from the SMTP server, or the specified SMTP server name is incorrect, or the specified SMTP server IP address could not be found in the DNS server, or a server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the DNS Server's IP address and SMTP server's IP address, or the SMTP server name and SMTP port number, or the SMTP server's SMTP port number, or the network connection and configuration.
SMTPC: username or password wasn't correct. [response code] (information)	Connection to the SMTP server failed, because the specified SMTP user name is incorrect, or the specified SMTP password is incorrect. Check the SMTP user name and password.
Snmp over IPv4 is ready.	Communication over IPv4 with snmp is available.
Snmp over IPv6 is ready.	Communication over IPv6 with snmp is available.
Snmp over IPX is ready.	Communication over IPX with snmp is available.
Snmpd Start.	The snmpd has started. This message is displayed only when the power is turned on.
started.	The IKE service has started.
Started.	The bonjour (rendezvous) function has started.
terminated.	The IKE service has stopped because no configurations for manual SA or IKE exist.
Terminated.	The bonjour (rendezvous) function is disabled.
There is problem in dhcp server operation.	There is a problem with the DHCP server. If multiple DHCP servers are active on the network, check that they are assigning unique IP addresses to each machine.

Message	Problem and solutions
trap account is unavailable.	v3Trap cannot be sent. This could be because the Trap destination account is different from the account specified by the machine.
Updated (option name)(value) via DHCPv6 Server	The parameter obtained from the DHCP server has been updated.
usbd is disabled.	Plug and Play is unavailable because the machine is in Security Mode. Enable USBD in Security Mode.
WINS name registration: No response to server (WINS server address)	There was no response from the WINS server. Check that the correct WINS server address is entered. Also, check that the WINS server is functioning properly.
WINS wrong scopeID= <scope id=""></scope>	The scope ID is invalid. Use a valid scope ID.
WSD (Device) started.	WSD (Device) has started.
WSD (Scanner) started.	WSD (Scanner) has started.

4. Registering Addresses and Users for Scanner Functions

This chapter describes how to register destinations and users in the Address Book. For details on how to access System Settings, see p.15 "Accessing User Tools".

Address Book

This section describes Address Book settings.

Registering information such as the names of users and their e-mail addresses in the Address Book allows you to manage them easily.

We recommend you back up the Address Book regularly.

For details about backing up/restoring the Address Book, see p.36 "Administrator Tools".



- Address Book data is stored on the hard disk. It can be lost if there is some kind of hard disk failure.
- The manufacturer shall not be held responsible for any damages resulting in data loss.

You can register and manage the following items in the Address Book:

Names

You can register the name of the user and the key display. This is the basic information required for managing users of the machine.

To register an e-mail address in the address book, you must register information such as the user name and destination name in advance.

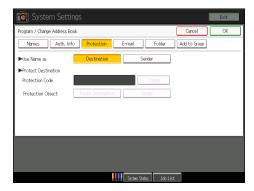


Auth. Info

You can register user codes in order to restrict particular functions to certain users, and to check their use of each function. You can also register login user names and login passwords to be used when sending e-mail, sending to folders, or accessing an LDAP server.

Protection

You can set protection codes to stop sender's name from being used or folders from being accessed without authorization.



E-mail

You can register e-mail destinations in the Address Book.



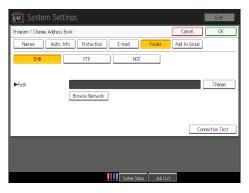
Folder

You can register the protocol, path name and server name.

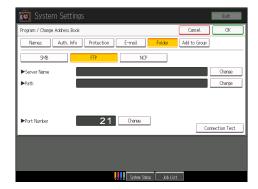
• SMB

4

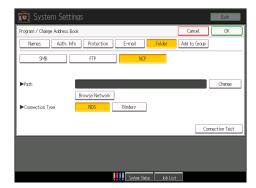




• FTP

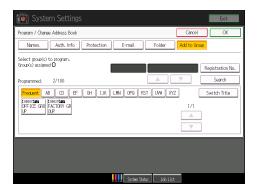


• NCP



Add to Group

You can put registered e-mail and folder destinations into a group for easier management.





- You can also use Web Image Monitor to register names in the Address Book.
- Using Web Image Monitor, you can backup Address Book data. We recommend backing up data
 when using the Address Book.
- For details about using Web Image Monitor, see Web Image Monitor Help.

Managing names in the Address Book

By registering a name and key display beforehand, you can specify e-mail and folder destinations simply by selecting the name key.



• For details about registering names, see p.138 "Registering Names".

Sending e-mail by Quick Dial

By registering e-mail addresses in the Address Book, you can specify an e-mail address by selecting the destination shown on the initial scanner display when sending a document using the scanner function.

A registered e-mail address can be used as the sender's address, and the sender's addresses are automatically entered in the "From" field of an e-mail header.



• For details about registering e-mail addresses, see p.152 "E-mail Destination".

Sending scanned files to a shared folder directly

After registering the path name, user name and password, you can connect to a shared folder simply by selecting the destination shown on the initial scanner display whenever sending files using the scanner function to a shared folder.

4

To share the folder using Windows or Mac OS X, select the SMB protocol.

To register the folder to the FTP server, select the FTP protocol.

To register the folder to the NetWare server, select the NCP protocol.



• For details about registering folders, see p.156 "Registering Folders".

Preventing unauthorized user access to shared folders from the machine

After registering a protection code, you can specify what to protect to prevent the sender's name and folder destination from being used without permission.

You can prevent unauthorized access to registered folders.



• For details about registering protection codes, see p.183 "Registering a Protection Code".

Managing users and machine usage

Register user codes to limit users to the following functions and check their use of each function:

- Copier
- Document Server
- Printer
- Scanner



• For details about registering user codes, see p.143 "Authentication Information".

Registering Names

Register user information including their names.

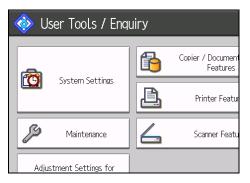
The user name is useful for selecting a destination when sending e-mail.

You can also use it as a folder destination.

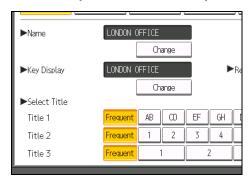
You can register up to 2000 names.

Registering Names

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Press [New Program].
- 7. Press [Change] under "Name".
- 8. Enter the name, and then press [OK].
- 9. Press the key for the classification you want to use under "Select Title".



4

The keys you can select are as follows:

- [Frequent]: Added to the page that is displayed first.
- [AB], [CD], [EF], [GH], [IJK], [LMN], [OPQ], [RST], [UVW], [XYZ], [1] to [10]: Added to the list
 of items in the selected title.

You can select [Frequent] and one more page for each title.

- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• The name can be used for documents in the Document Server. For details about the Document Server, see "Using the Document Server", Copy and Document Server Reference.

Changing a Registered Name

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the registered name you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. To change the name or key display, press [Change] under "Name" or "Key Display".
- 8. Enter the name or key display, and then press [OK].
- 9. To change the title, press the key for the classification you want to use from "Select Title".
- 10. Press [OK].

- 11. Press [Exit].
- 12. Press the [User Tools] key.

Changing a Registration number

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the registered name you want to change.

Press the name key, or enter the registered number using the number keys.

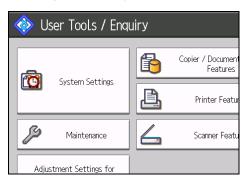
You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Change] under "Registration No.".
- 8. Enter a new registration number using the number keys, and then press the $[^{\ddagger}]$ key.
- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Deleting a Registered Name

1. Press the [User Tools] key.

2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Press [Delete].
- 6. Select the name you want to delete.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

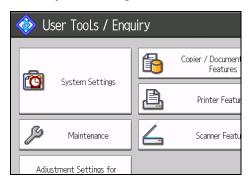
- 7. Press [Yes].
- 8. Press [Exit].
- 9. Press the [User Tools] key.

Carrying Over Registered Data for Use by Address Book Auto Register

By using Data Carry-over Setting for Address Book Auto-program, you can carry over user authentication information that has already been registered to the Address Book of the Windows authentication, LDAP authentication, or integration server authentication.



- For details about the Windows authentication, LDAP authentication, or Integration server authentication, consult your administrator.
- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Data Carry-over Setting for Address Book Auto-program].
- 5. Press [Carry-over Data].
- 6. Enter the registration number using the number keys, and then press the [#] key.
- 7. Press [OK].
- 8. Press the [User Tools] key.

4

4

Authentication Information

Following describes the procedure for authenticating a user code.



 The functions associated with each user code are the same. If you change or delete user codes, management data and limits associated with that code become invalid.

Register user codes to limit users to the following functions and check their use of each function:

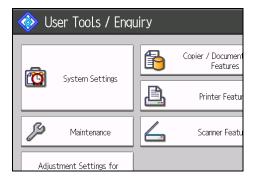
- Copier
- Document Server
- Printer
- Scanner



- You can register up to 500 user codes.
- The number of copies scanned using the scanner function is counted for each user code. This allows you to check each user's usage.
- To automatically register the printer driver user code, select [PC Control] under "Printer" for the printer
 in user code authentication. To use the user code set in User Tools, set the user codes registered in
 User Tools for the printer driver.
- For details about registering user codes for the printer driver, see the manual provided for the printer function.

Registering a User Code

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].

- 5. Check that [Program / Change] is selected.
- 6. Press the name whose code is to be registered, or enter the registered number using the number key.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Auth. Info].
- 8. Enter the user code using the number keys, and then press the $[^{\sharp}]$ key.



If you make a mistake, press [Clear] or the [Clear] key.

- 9. Press [Vext] twice.
- 10. Select the functions to be used with the user code from "Available Functions".





11. Press [OK].

- 12. Press [Exit].
- 13. Press the [User Tools] key.



- You can enter a one-to eight-digit user code.
- To register the name, see p.138 "Registering Names".

Changing a User Code



- Even if you change a user code, the counter value will not be cleared.
- 1. Press the [User Tools] key.
- 2. Press [System Settings].

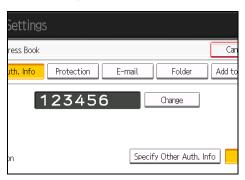


- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the user whose user code you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

7. Press [Auth. Info].



- 9. Press the [#] key.
- 10. To change the available functions, press [▼Next] twice.
- 11. Press the key to select the functions to enable them.
 Press the key to highlight it, and then the function is enabled.
- 12. Press [OK].
- 13. Press [Exit].
- 14. Press the [User Tools] key.

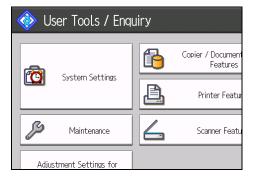


• To change the name, key display and title, see p.138 "Registering Names".

Deleting a User Code



- After clearing the user code, the counter is automatically cleared.
- 1. Press the [User Tools] key.
- 2. Press [System Settings].



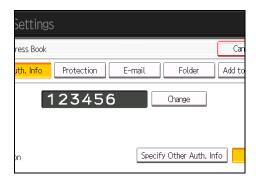
3. Press [Administrator Tools].

- 4. Press [Address Book Management].
- 5. Press [Program / Change].
- 6. Select the name whose code is to be deleted.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Auth. Info].
- 8. Press [Change] to delete the user code, and then press the $[^{\sharp}]$ key.



- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.



• To delete a name from the Address Book entirely, see p.138 "Registering Names".

Displaying the Counter for Each User

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



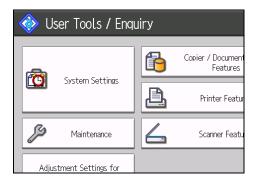
3. Press [Administrator Tools].

- 4. Press [Display / Clear / Print Counter per User].
- 5. Select the function usage you want to display from [Copier Counter], [Printer Counter], or [Scanner Counter].

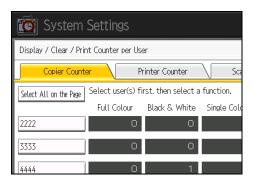
Counters for individual function usage under each user code appear.

Printing the Counter for Each User

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

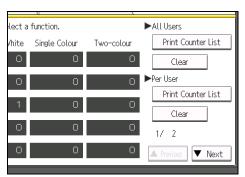


- 3. Press [Administrator Tools].
- 4. Press [Display / Clear / Print Counter per User].
- 5. Select a user code from the left side of the display.



Press [Select All on the Page] to select all user codes on the page.

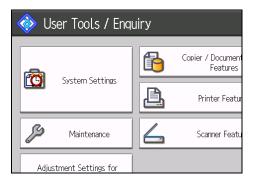
6. Press [Print Counter List] under "Per User".



- 7. Select the function usage you want to print from [Copier Counter], [Printer Counter], [Scanner Counter], and [Total Prints].
- 8. Press [Print].
- 9. Press [Exit].
- 10. Press the [User Tools] key.

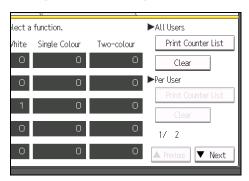
Printing the Counter for All Users

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Display / Clear / Print Counter per User].

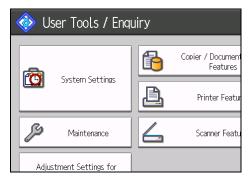
5. Press [Print Counter List] under "All Users".



- 6. Select the function usage you want to print from [Copier Counter], [Printer Counter], [Scanner Counter], and [Total Prints].
- 7. Press [Print].
- 8. Press [Exit].
- 9. Press the [User Tools] key.

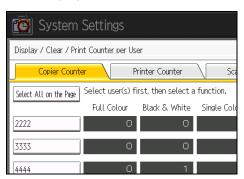
Clearing the Number of Prints

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Display / Clear / Print Counter per User].
- 5. Select the user code to clear.

To clear the number of prints made under a user code, select the user code from the left side of the display.



Press [Select All on the Page] to select all user codes on the page.

- 7. Press [Clear] under "Per User".
- 8. Select the function usage you want to clear from [Copier Counter], [Printer Counter], [Scanner Counter], and [All Counters].
- 9. Press [OK].
- 10. To clear the number of prints for all user codes, press [Clear] under "All Users".
- Select the function usage you want to clear from [Copier Counter], [Printer Counter],
 [Scanner Counter], and [All Counters].
- 12. Press [OK].
- 13. Press [Exit].
- 14. Press the [User Tools] key.

E-mail Destination

This section describes the procedure for registering, changing, and deleting E-mail Destination.

Register e-mail destinations so you do not need to enter an e-mail address every time, and can send scan files from scanner function by e-mail.

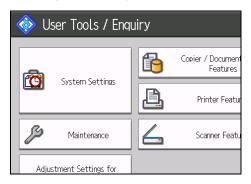
- It is easy to select the e-mail destination if you register "Name" and "Key Display" as the e-mail destination.
- You can register e-mail destinations as a group.
- You can use the e-mail address as the sender's address when sending scan files in scanner mode. If
 you want to do this, set a protection code on the sender address to prevent unauthorized access. For
 details about protection codes, see p. 183 "Registering a Protection Code".



 You can select an e-mail address from an LDAP server, and then register it in the Address Book. See "Sending Scan Files by E-mail", Scanner Reference.

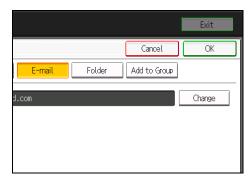
Registering an E-mail Destination

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose e-mail address you want to register.
 Press the name key, or enter the registered number using the number keys.
- 7. Press [E-mail].

8. Press [Change].



9. Enter the e-mail address.



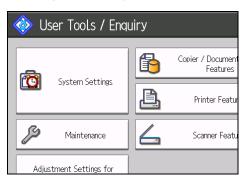
- 10. Press [OK].
- 11. Press [OK].
- 12. Press [Exit].
- 13. Press the [User Tools] key.



- You can enter up to 128 characters for the e-mail address.
- To register the name, see p.138 "Registering Names".

Changing an E-mail Destination

1. Press the [User Tools] key.

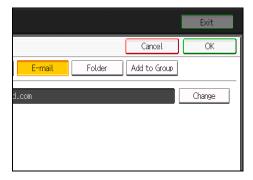


- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose e-mail address you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [E-mail].
- 8. Press [Change] under "E-mail Address".



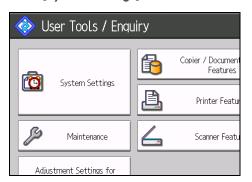
- 9. Enter the e-mail address, and then press [OK].
- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• To change the name, key display and title, see p.138 "Registering Names".

Deleting an E-mail Destination

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose e-mail address you want to delete.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [E-mail].
- 8. Press [Change] under "E-mail Address".
- 9. Press [Delete All], and then press [OK].
- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• To delete the name, key display and title, see p.138 "Registering Names".

This section describes the procedure for registering, changing, and deleting folders.

By registering a shared folder, you can send scan files to it directly.

There are three types of protocol you can use:

• SMB

For sending files to shared folders on Windows and Mac OS X.

FTP

Use when sending files to an FTP server.

NCP

Use when sending files to a NetWare server.



- For details about protocols, server names, and folder levels, consult your network administrator.
- You can prevent unauthorized users from accessing folders from the machine. See p. 183 "Registering
 a Protection Code".
- You can only select either SMB, FTP, or NCP. If you change protocol after finishing your settings, all previous entries are cleared.
- You can register folders to groups.
- For details about the network setting, see p.31 "File Transfer".
- For details about sending scan files to folders, see "Sending Scan Files to Folders", Scanner Reference.

Registering an SMB Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

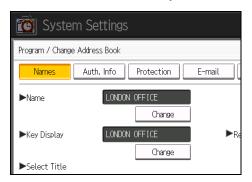


3. Press [Administrator Tools].

- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose folder you want to register.

Press the name key, or enter the registered number using the number keys.

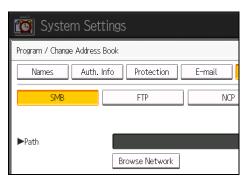
7. Press [Auth. Info], and then press [▼Next].



8. Press [Specify Other Auth. Info] on the right side of "Folder Authentication".

When [Do not Specify] is selected, the SMB User Name and SMB Password that you have specified in "Default User Name / Password (Send)" of File Transfer settings applies. For details, see p.31 "File Transfer".

- 9. Press [Change] under "Login User Name".
- 10. Enter the login user name of the destination computer, and then press [OK].
- 11. Press [Change] under "Login Password".
- 12. Enter the password of the destination computer, and then press [OK].
- 13. Enter the password again to confirm, and then press [OK].
- 14. Press [Folder].
- 15. Check that [SMB] is selected.



16. Press [Change] or [Browse Network], and then specify the folder.

To specify a folder, you can enter the path to it manually, or select it by browsing the network.

For details about how to specify the path using Browse Network, see p. 159 "Locating the SMB folder using Browse Network".

- 17. Press [Connection Test] to check the path is set correctly.
- 18. Press [Exit].

If the connection test fails, check the settings, and then try again.

- 19. Press [OK].
- 20. Press [Exit].
- 21. Press the [User Tools] key.

Note

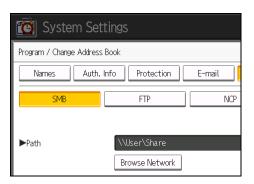
- To register the name, see p.138 "Registering Names".
- You can enter up to 64 characters for the user name.
- You can enter up to 64 characters for the password.
- You can enter a path using up to 128 characters.
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scan files to folders. If this happens, exempt NetBIOS or the machine's IP address from firewall protection. For details about specifying the setting, see Windows help or contact the vendor of the software, such as the firewall.
- If user authentication is specified, contact your administrator.
- If you wish to register an FTP folder, see p. 162 "Registering an FTP Folder".
- If you wish to register an NCP folder, see p.167 "Registering an NCP Folder".

Locating the SMB folder manually

This section describes how to locate the SMB folder manually.

- 1. Press [Change] under "Path".
- 2. Enter the path where the folder is located.

For example: if the name of the destination computer is "User", and the folder name is "Share", the path will be \\User\Share.



If the network does not allow automatic obtaining of IP addresses, include the destination computer's IP address in the path. For example: if the IP address of the destination computer is "192.168.0.191", and the folder name is "Share", the path will be \\192.168.0.191\Share.

3. Press [OK].

If the format of the entered path is not correct, a message appears. Press [Exit], and then enter the path again.



- Enter the path using this format: "\\ServerName\\Share- \Name\\Path\Name".
- You can also enter an IPv4 address.
- You can enter a path using up to 128 characters.

Locating the SMB folder using Browse Network

1. Press [Browse Network].

The client computers sharing the same network as the machine appear.

Network display only lists client computers you are authorized to access.

- 2. Select the group that contains the destination computer.
- 3. Select the computer name of the destination computer.

You can press [Up One Level] to switch between levels.

- 4. Select the folder you want to register.
- 5. Press [OK].

If a Login Screen Appears

This section describes how to log in to the machine if the login screen appears when you try to access a folder by browsing the network.

If you have not specified folder authentication, or if an incorrect user name or password has been entered for folder authentication, the login screen appears.

Enter the login user name specified for folder authentication.

Enter the password, and then press [OK].

If a message appears, press [Exit], and then enter the login user name and password again.

Changing an SMB Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose folder you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Folder].
- 8. Select the items you want to change.

When specifying a folder, enter the path directly or select it by referencing the network. For more information, see p.158 "Locating the SMB folder manually" and p.159 "Locating the SMB folder using Browse Network".

- 9. Press [Connection Test] to check the path is set correctly.
- 10. Press [Exit].
- 11. Press [OK].
- 12. Press [Exit].
- 13. Press the [User Tools] key.

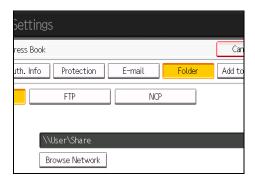




- To change the name, key display and title, see p.138 "Registering Names".
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scan files to folders. If this happens, exempt NetBIOS or the machine's IP address from firewall protection. For details about specifying the setting, see Windows help or contact the vendor of the software, such as the firewall.

Changing the protocol

1. Press [FTP] or [NCP].



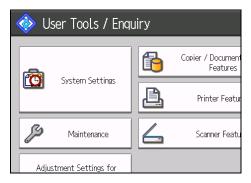
2. Press [Yes].

Changing the protocol will clear all settings made under the previous protocol.

3. Enter each item again.

Deleting an SMB Registered Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose folder you want to delete.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

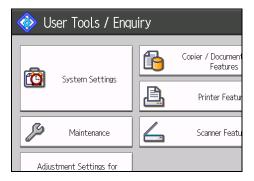
- 7. Press [Folder].
- 8. Press the protocol which is not currently selected.
- 9. Press [Yes].
- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• To delete the name, key display and title, see p.138 "Registering Names".

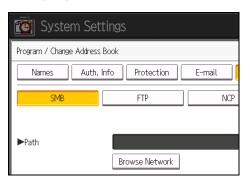
Registering an FTP Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose folder you want to register.
 You can search by the registered name, user code, e-mail address, or folder name.
- 7. Press [Folder].

8. Press [FTP].



- 9. Press [Change] under "Server Name".
- 10. Enter the server name, and then press [OK].
- 11. Press [Change] under "Path".
- 12. Enter the path, and then press [OK].

You can enter a relative path, using this format: "directory\sub-directory".

If you leave the path blank, the login directory is assumed to be the current working directory.

You can also enter an IPv4 address.

You can enter a path using up to 128 characters.

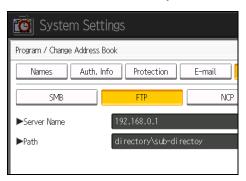
- 13. To change the port number, press [Change] under "Port Number".
- 14. Enter the port number using the number keys, and then press the [#] key.

You can enter 1 to 65535.

- 15. Press [Connection Test] to check the path is set correctly.
- 16. Press [Exit].

If the connection test fails, check the settings, and then try again.

17. Press [Auth. Info], and then press [▼Next].



When [Do not Specify] is selected, the FTP User Name and FTP Password that you have specified in "Default User Name / Password (Send)" of File Transfer settings applies. For details, see p.31 "File Transfer".

- 19. Press [Change] under "Login User Name".
- 20. Enter the login user name, and then press [OK].
- 21. Press [Change] under "Login Password".
- 22. Enter the password, and then press [OK].
- 23. Enter the password again to confirm, and then press [OK].
- 24. Press [OK].
- 25. Press [Exit].
- 26. Press the [User Tools] key.



- To register the name, see p.138 "Registering Names".
- You can enter up to 64 characters for the user name.
- You can enter up to 64 characters for the password.
- You can enter a server name using up to 64 characters.
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scanned files to folders. If this happens, configure the firewall to exclude NetBIOS or the machine's IP address. For details about this configuration, see Windows help or contact the vendor of the software, such as the firewall.
- If user authentication is specified, contact your administrator.
- If you wish to register a shared folder under Windows or Mac OS X, see p. 156 "Registering an SMB Folder".
- If you wish to register an NCP folder, see p. 167 "Registering an NCP Folder".

Changing an FTP Folder

1. Press the [User Tools] key.

2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose folder you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Folder].
- 8. Select the items you want to change.

For details about changing the items, see p.165 "Changing the registered FTP folder".

- 9. Press [Connection Test] to check the path is set correctly.
- 10. Press [Exit].
- 11. Press [OK].
- 12. Press [Exit].
- 13. Press the [User Tools] key.



- To change the name, key display and title, see p.138 "Registering Names".
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scan files to folders. If this happens, exempt NetBIOS or the machine's IP address from firewall protection. For details about specifying the setting, see Windows help or contact the vendor of the software, such as the firewall.

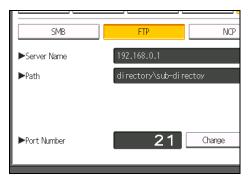
Changing the registered FTP folder

- 1. Press [Change] under "Port Number".
- 2. Enter the new port number, and then press the [#] key.

- 3. Press [Change] under "Server Name".
- 4. Enter the new server name, and then press [OK].
- 5. Press [Change] under "Path".
- 6. Enter the new path, and then press [OK].

Changing the protocol

1. Press [SMB] or [NCP].



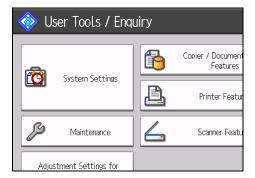
2. Press [Yes].

Changing the protocol will clear all settings made under the previous protocol.

3. Enter each item again.

Deleting an FTP Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.

6. Select the name whose folder you want to delete.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Folder].
- 8. Press the protocol which is not currently selected.
- 9. Press [Yes].
- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• To delete a name entirely, see p.138 "Registering Names".

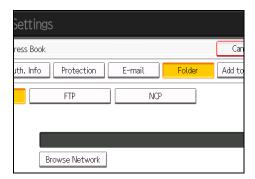
Registering an NCP Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Press the name you want to register or enter the registered number using the number keys.
 You can search by the registered name, user code, e-mail address, or folder name.
- 7. Press [Folder].

8. Press [NCP].



9. Select "Connection Type".

If you want to specify a folder in an NDS tree, press [NDS]. If you want to specify a folder on a NetWare server, press [Bindery].

10. Specify the path.

To specify a folder, you can either enter the path manually or locate the folder by browsing the network.

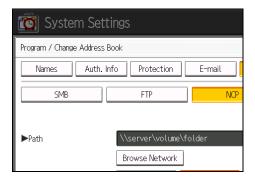
For details about how to specify the path manually, see p.169 "Locating the NCP folder manually".

For details about how to specify the path using Browse Network, see p. 170 "Locating the NCP folder using Browse Network".

- 11. Press [Connection Test] to check the path is set correctly.
- 12. Press [Exit].

If the connection test fails, check the settings, and then try again.

13. Press [Auth. Info], and then press [▼Next].



14. Press [Specify Other Auth. Info] on the right side of "Folder Authentication".

When [Do not Specify] is selected, the NCP User Name and NCP Password that you have specified in "Default User Name / Password (Send)" of File Transfer settings applies. For details, see p.31 "File Transfer".

15. Press [Change] under "Login User Name".

- 16. Enter the login user name, and then press [OK].
- 17. Press [Change] under "Login Password".
- 18. Enter the password, and then press [OK].
- 19. Enter the password again to confirm, and then press [OK].
- 20. Press [OK].
- 21. Press [Exit].
- 22. Press the [User Tools] key.



- To register the name, see p.138 "Registering Names".
- You can enter up to 64 characters for the user name.
- You can enter up to 64 characters for the password.
- If user authentication is specified, contact your administrator.
- If you wish to register a shared folder under Windows or Mac OS X, see p. 156 "Registering an SMB Folder".
- If you wish to register an FTP folder, see p.162 "Registering an FTP Folder".

Locating the NCP folder manually

- 1. Press [Change] under "Path".
- 2. Enter the path where the folder is located.
- 3. Press [OK].
- 4. Press [Connection Test] to check the path is set correctly.
- 5. Press [Exit].



- If you set "Connection Type" to [NDS], and if the NDS tree name is "tree", the name of the context
 including the volume is "context", the volume name is "volume" and the folder name is "folder", then
 the path will be "\\tree\volume\context\folder".
- If you set "Connection Type" to [Bindery], and if the NetWare server name is "server", the volume name is "volume" and the folder name is "folder", then the path will be "\\server\volume\folder".
- You can enter a path using up to 128 characters.
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scan files to folders. If this happens, exempt NetBIOS or the machine's IP address from firewall protection. For details about specifying the setting, see Windows help or contact the vendor of the software, such as the firewall.

- 1. Press [Browse Network].
- 2. If you have set "Connection Type" to [NDS], a list of items in the NDS tree appears. If you have set "Connection Type" to [Bindery], a list of items on the NetWare server appears.
- 3. Search for the destination folder in the NDS tree or NetWare server.

You can press [Up One Level] to switch between levels.

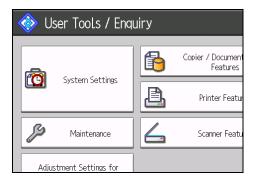
- 4. Select the folder you want to register.
- 5. Press [OK].



- Only the folders you are allowed to access appear in [Browse Network].
- If the languages used on the machine and the destination you want to view differ, the items in the list may not appear correctly.
- Up to 100 items can be displayed in the list.

Changing an NCP Registered Folder

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the user of the registered folder you want to change.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

7. Press [Folder].

8. Select "Connection Type".

If you want to specify a folder in an NDS tree, press [NDS]. If you want to specify a folder on a NetWare server, press [Bindery].

9. Specify the folder.

To specify a folder, you can either enter the path manually or locate the folder by browsing the network.

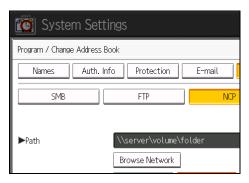
- 10. Press [Connection Test] to check the path is set correctly.
- 11. Press [Exit].
- 12. Press [OK].
- 13. Press [Exit].
- 14. Press the [User Tools] key.



- To change the name, key display and title, see p.138 "Registering Names".
- If the connection test fails, check the settings, and then try again.
- If a security-related service such as a firewall is enabled on your computer, you may be unable to send scan files to folders. If this happens, exempt NetBIOS or the machine's IP address from firewall protection. For details about specifying the setting, see Windows help or contact the vendor of the software, such as the firewall.

Changing the protocol

1. Press [SMB] or [FTP].

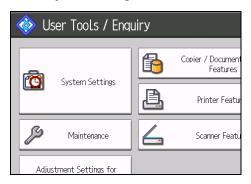


2. A confirmation message appears. Press [Yes].

Changing the protocol will clear all settings made under the previous protocol.

3. Enter each item again.

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select a user of the folder you want to delete.

Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Folder].
- 8. Press the protocol which is not currently selected.
- 9. Press [Yes].
- 10. Press [OK].
- 11. Press [Exit].
- 12. Press the [User Tools] key.



• To delete a name entirely, see p.138 "Registering Names".

4

Registering Names to a Group

You can register names to a group to enable easy management of e-mail addresses and folders for each group.

To add names to a group, the groups must be registered beforehand.

You can register up to 100 groups.



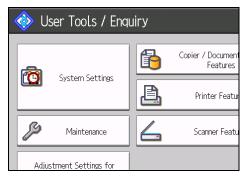
- When using Scan to Folder function, you cannot send scan files to a group with over 50 folders registered.
- The maximum number of destinations registerable to a group is 500.



• You can set a protection code to prevent unauthorized access to the folders registered in a group. For details, see p.183 "Registering a Protection Code".

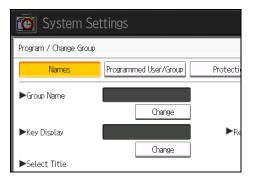
Registering a Group

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- 6. Press [New Program].

7. Press [Change] under "Group Name".



8. Enter the group name, and then press [OK].

The Key Display name is set automatically.

9. Press the title key under "Select Title", if necessary.

The keys you can select are as follows:

- [Frequent]: Added to the page that is displayed first.
- [AB], [CD], [EF], [GH], [IJK], [LMN], [OPQ], [RST], [UVW], [XYZ], [1] to [10].
 Added to the list of items in the selected title.

You can select [Frequent] and one more page for each title.

- 10. When you want to change the key display, press [Change] under "Key Display".
- 11. Enter the key display, and then press [OK].
- 12. Press [OK].
- 13. Press [Exit].
- 14. Press the [User Tools] key.

Registering Names to a Group

You can put names that have been registered in the Address Book into a group.

When registering new names, you can also register groups at the same time.

1. Press the [User Tools] key.

4

2. Press [System Settings].

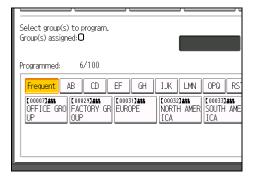


- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name to register in a group.

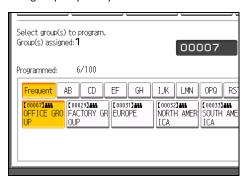
Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Add to Group].
- 8. Select a group to which you want to add the name.



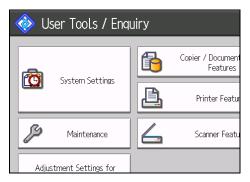
The group key that you have selected becomes highlighted, and the name is added to it.



- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Adding a Group to Another Group

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

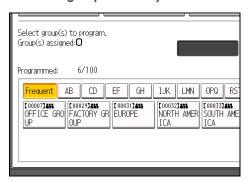


- 3. Press [Administrator Tools].
- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- 6. Select the group that you want to put into another group.

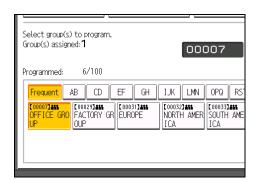
Press the group key, or enter the registered number using the number keys.

You can search by the registered name.

- 7. Press [Add to Group].
- 8. Select the group to which you want to add.



The group key that you have selected becomes highlighted, and the group is added to it.



- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Displaying Names Registered in a Group

You can check the names or groups registered in each group.

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- 6. Select the group where the members you want to check is registered.

You can search by the registered name.

7. Press [Programmed User/Group].

All the names registered will be displayed.

- 8. Press [OK].
- 9. Press [Exit].

10. Press the [User Tools] key.

Removing a Name from a Group

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

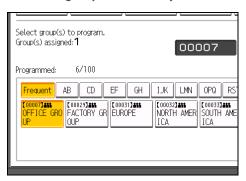


- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name to remove from a group.

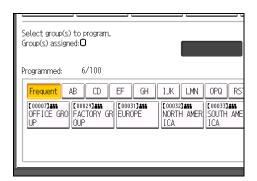
Press the name key, or enter the registered number using the number keys.

You can search by the registered name, user code, e-mail address, or folder name.

- 7. Press [Add to Group].
- 8. Select the group from which you want to remove the name.



The group key is deselected and the name is removed from it.



- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Deleting a Group Within Another Group

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



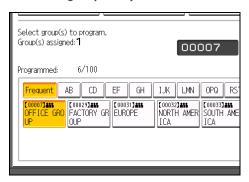
- 3. Press [Administrator Tools].
- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- 6. Select the group that you want to delete from.

Press the group key, or enter the registered number during the number keys.

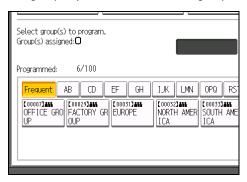
You can search by the registered name.

7. Press [Add to Group].

8. Select the group that you want to delete from.



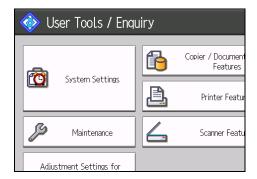
The group key is deselected and the group is deleted from it.



- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Changing a Group Name

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

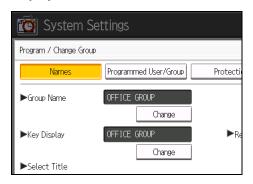


3. Press [Administrator Tools].

- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- 6. Press the group key you want to change.

You can search by the registered name.

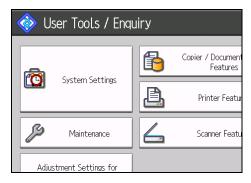
7. To change the group name and key display, press [Change] under "Group Name" or "Key Display".



- 8. Enter the new group name or key display, and then press [OK].
- 9. To change the title, press the title key under "Select Title".
- 10. To change the registration number, press [Change] under "Registration No.".
- 11. Enter the new registration number using the number keys.
- 12. Press the [#] key.
- 13. Press [OK].
- 14. Press [Exit].
- 15. Press the [User Tools] key.

Deleting a Group

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Press [Delete].
- 6. Press a group key you want to delete.

You can search by the registered name.

- 7. Press [Yes].
- 8. Press [Exit].
- 9. Press the [User Tools] key.

4

Registering a Protection Code

You can stop sender's names or folders being accessed by setting a protection code.

You can use this function to protect the following:

• Folders

You can prevent unauthorized access to folders.

This is effective only for connections using SMB or FTP.

• Sender's names

You can prevent misuse of sender's names.

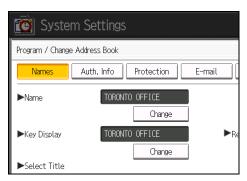
Registering a Protection Code to a Single User

- 1. Press the [User Tools] key.
- 2. Press [System Settings].

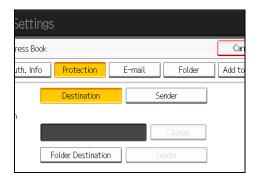


- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Select the name whose protection code you want to register.

You can search by the registered name, user code, e-mail address, or folder name.



8. Press [Destination] or [Sender] under "Use Name as".



Both [Destination] and [Sender] can be selected at the same time.

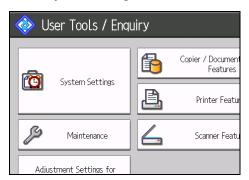
- 9. Press [Folder Destination] or [Sender] under "Protection Object".
- 10. Press [Change] under "Protection Code".
- 11. Enter a protection code using the number keys, and then press the [#] key.
- 12. Press [OK].
- 13. Press [Exit].
- 14. Press the [User Tools] key.



- Specify a protection code of up to eight digits. You can also specify "Protection" without specifying a
 protection code.
- If a user selects [Destination] in "Use Name as", the user's name will be displayed in the destination list on the scanner display.
- User names with [Sender] enabled in "Use Name as" appear on the display for selecting the sender name
- User names with "Destination" and "Sender" disabled in "Use Name as" cannot be selected as
 destinations or senders.

Registering a Protection Code to a Group User

- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book: Program / Change / Delete Group].
- 5. Check that [Program / Change] is selected.
- Press the group key you want to register or enter the registered number using the number keys.

You can search by the registered name.

- 7. Press [Protection].
- 8. Press [Folder Destination] under "Protection Object".
- 9. Press [Change] under "Protection Code".
- 10. Enter a protection code using the number keys, and then press the $[^{\sharp}]$ key.
- 11. Press [OK].
- 12. Press [Exit].
- 13. Press the [User Tools] key.



• Specify a protection code of up to eight digits. You can also specify "Protection" without specifying a protection code.

Registering SMTP and LDAP Authentication

This section describes how to register SMTP and LDAP authentication.

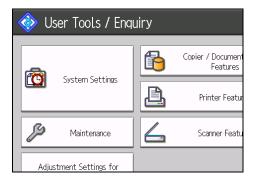
SMTP Authentication

For each user registered in the Address Book, you can register a login user name and login password to be used when accessing an SMTP server.

To use an SMTP server, you need to program it beforehand.

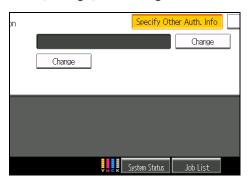


- When [Do not Specify] is selected for "SMTP Authentication" the user name and password that you
 have specified in SMTP Authentication of File Transfer settings applies. For details, see p.31 "File
 Transfer".
- If user authentication is specified, contact your administrator.
- 1. Press the [User Tools] key.
- 2. Press [System Settings].



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- **6.** Press the name you want to register or enter the registered number using the number keys. You can search by the registered name, user code, e-mail address, or folder name.
- 7. Press [Auth. Info].
- 8. Press [Specify Other Auth. Info] under "SMTP Authentication".

9. Press [Change] under "Login User Name".



- 10. Enter the login user name, and then press [OK].
- 11. Press [Change] under "Login Password".
- 12. Enter the password, and then press [OK].
- 13. Enter the password again to confirm, and then press [OK].
- 14. Press [OK].
- 15. Press [Exit].
- 16. Press the [User Tools] key.



- To register the name, see p.138 "Registering Names".
- You can enter up to 191 characters for the user name.
- You can enter up to 128 characters for the password.

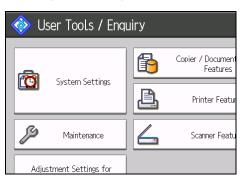
LDAP Authentication

For each user registered in the Address Book, you can register a login user name and login password to be used when accessing an LDAP server.

To use an LDAP server, you need to program it beforehand. For details, see p.45 "Programming the LDAP server".



- When [Do not Specify] is selected for "LDAP Authentication", the user name and password that you
 have specified in Program / Change / Delete LDAP Server of Administrator Tools settings applies.
 For details, see p.45 "Programming the LDAP server".
- If user authentication is specified, contact your administrator.
- 1. Press the [User Tools] key.



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- **6.** Press the name you want to register or enter the registered number using the number keys. You can search by the registered name, user code, e-mail address, or folder name.
- 7. Press [Auth. Info], and then press [▼Next].
- 8. Press [Specify Other Auth. Info] under "LDAP Authentication".
- 9. Press [Change] under "Login User Name".



- 10. Enter the login user name, and then press [OK].
- 11. Press [Change] under "Login Password".
- 12. Enter the password, and then press [OK].
- 13. Enter the password again to confirm, and then press [OK].
- 14. Press [OK].
- 15. Press [Exit].
- 16. Press the [User Tools] key.



• To register the name, see p.138 "Registering Names".

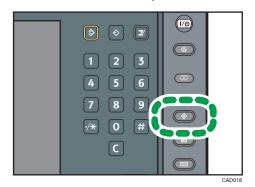
- You can enter up to 128 characters for the user name.
- You can enter up to 128 characters for the password.

5. Adjustment Settings for Operators

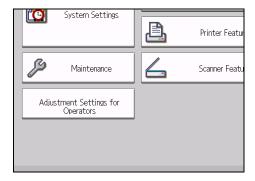
This section explains Adjustment Settings for Operators and how to specify them.

Accessing the Adjustment Settings for Operators

1. Press the [User Tools] key.



2. Press [Adjustment Settings for Operators].

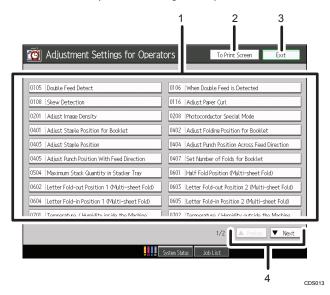


3. Select and change adjustment settings.

The method for changing the selected adjustment setting depends on the setting that you want to change. For details, see p.193 "Features of the Displayed Items and Setting Operations".

- 4. Press [Back].
- 5. Press [Exit].
- 6. Press the [User Tools] key.

This section explains how to use the Adjustment Settings for Operators.



- 1. Adjustment items are displayed in this area. When you select an item, its configuration screen will then open.
- 2. Press this button to display the print screen. You can use this screen to view the changes you have made.
- 3. Press this button to close the Adjustment Settings for Operators menu.
- 4. Press these buttons to move to the previous or next screen.

5

Features of the Displayed Items and Setting Operations

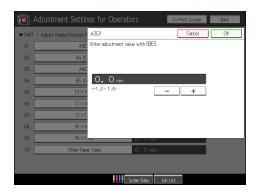
The following operations are available for each adjustment item:

- Value setting
- Item setting
- Executing
- Display only

Value setting

Press $[^+]$ to increase the value, or $[^-]$ to decrease.

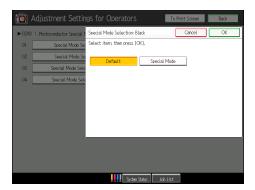
Select [OK] to apply the new setting.



Item setting

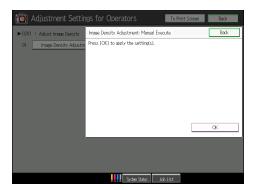
Select the item you require.

Select [OK] to apply the new setting.



Executing

Press [OK] to perform a selected function.



Display Only

You can check the setting of the selected item.



5

Printing with adjusted settings

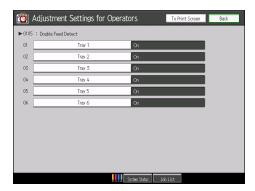
To print with the settings you have adjusted, be sure to select the paper tray and paper size to which the settings apply.

- Settings adjustable for each paper tray
- Settings adjustable for each paper size

Settings adjustable for each paper tray

These are settings adjustable for each paper tray.

Print jobs are processed with the adjusted settings when printing from a tray with the applied settings.



Settings adjustable for each paper size

These are settings adjustable for each paper size.

Print jobs are processed with the adjusted settings when printing with a paper size that has the applied settings.





 For details about selecting the paper tray and paper size for printing, see the manuals for the related functions.

Menu Items and Functions



All items in Adjustment Settings for Operators appear regardless of which of the machine's optional
components are installed. If you change the settings of options that are not installed, the changes will
have no effect.

Image Quality Adjustment

For details about the following items, see p. 199 "Image Quality Adjustment".

No.	ltem	Description
0201	Adjust Image Density	Execute image density control manually.
0208	Photoconductor Special Mode	Increase the amount of lubricant applied to the photoconductor.

Paper Feed Adjustment

For details about the following items, see p.200 "Paper Feed Adjustment".

No.	ltem	Description
0105	Double Feed Detect	Specify whether or not to detect paper double feeding. This setting is not effective for paper fed from paper trays with custom paper presets.
0106	When Double Feed is Detected	Specify how the machine behaves when it detects a double feed.
0108	Skew Detection	Specify whether or not to detect paper skew. This setting is not effective for paper fed from paper trays with custom paper presets.

Monitoring

For details about the following items, see p.202 "Monitoring".

No.	ltem	Description
0701	Temperature / Humidity inside the Machine	Display the internal temperature and humidity.
0702	Temperature / Humidity outside the Machine	Display the external temperature and humidity.

Finishing

For details about the following items, see p.202 "Finishing".

No.	ltem	Description
0401	Adjust Staple Position for Booklet	Adjust the horizontal position of the booklet staples when using Booklet Finisher SR5040.
0402	Adjust Folding Position for Booklet	Adjust the horizontal position of the folding when using Booklet Finisher SR5040.
0403	Adjust Staple Position	Adjust the vertical position of the staples when using Finisher SR5030 or Booklet Finisher SR5040.
0404	Adjust Punch Position Across Feed Direction	Adjust the vertical position of the punch holes when using Finisher SR5030 or Booklet Finisher SR5040.
0405	Adjust Punch Position With Feed Direction	Adjust the horizontal position of the punch holes when using Finisher SR5030 or Booklet Finisher SR5040.
0407	Set Number of Folds for Booklet	Adjust the paper folding strength by increasing or decreasing the number of folds for booklets when using Booklet Finisher SR5040.
0601	Half Fold Position (Multi- sheet Fold)	Adjust the fold position of half fold sheets when using the multi-folding unit.
0602	Letter Fold-out Position 1 (Multi-sheet Fold)	Adjust the fold position for the bottom segment of letter fold- out sheets when using the multi-folding unit.
0603	Letter Fold-out Position 2 (Multi-sheet Fold)	Adjust the overall fold size of letter fold-out sheets when using the multi-folding unit.
0604	Letter Fold-in Position 1 (Multi-sheet Fold)	Adjust the fold position of the bottom segment of letter foldin sheets when using the multi-folding unit.
0605	Letter Fold-in Position 2 (Multi-sheet Fold)	Adjust the overall fold size of letter fold-in sheets when using the multi-folding unit.

Other Functions

For details about the following items, see p.211 "Other Functions".

No.	ltem	Description
0116	Adjust Paper Curl	Specify the method for straightening curled sheets. Select the method according to the direction and degree of curl.

No.	ltem	Description
0504	Maximum Stack Quantity in Stacker Tray	Set the maximum number of sheets for the stacker tray.
0703	Switch Print Screen	Select the mode that appears when [To Print Screen] is pressed: copier mode or printer mode.

Setting Values

Image Quality Adjustment

0201: Adjust Image Density

Execute image density control manually.

The machine adjusts the image density. This operation takes about 30 seconds during which a message appears on the control panel. Do not open the front covers while the message is being displayed.

If the density does not change after applying this function several times, contact your sales or service representative.

Setting Items	Selection
Image Density Adjustment: Manual Execute	Press [OK].



 The machine executes automatic image density adjustment after a set interval or after printing a specified number of sheets. However, you can also manually initiate automatic image density adjustment whenever you want.

0208: Photoconductor Special Mode

Increase the amount of lubricant applied to the photoconductor.

If you continuously print images that consume a lot of toner, white spots may appear because of a lack of lubricant. If this happens, you can prevent the spots by selecting [Special Mode].

In Special Mode, the replacement cycle of the cleaning unit for the PCU is shorter because of the increased amount of lubricant that is applied.

Setting Items	Selection	Default Value
Special Mode Selection: Black	Default	Default
Special Mode Selection: Cyan	Special Mode	
Special Mode Selection: Magenta		
Special Mode Selection: Yellow		

Paper Feed Adjustment

0105: Double Feed Detect

Specify whether or not to detect paper double feeding.

If this is set to "On", the machine detects double feeding and so prevents blank sheets turning up in the delivered paper.

The machine may erroneously detect double feeding when using special paper (double-layer paper, such as label paper). If such erroneous detection occurs, set this to "Off".

This setting is not effective for paper fed from paper trays with custom paper presets. For such paper, the value specified in [04: Double Feed Detect] in [Advanced Settings] is used. For details about Advanced Settings, ask the machine administrator.

Setting Items	Selection	Default Value
Tray 1	On	On
Tray 2	Off	
Tray 3		
Tray 4		
Tray 5		
Tray 6		

0106: When Double Feed is Detected

Specify how the machine responds when it detects a double feed.

If you set this to "Suspended", the machine, on detecting a double feed, stops printing and displays a paper misfeed message.

If you set this to "Auto Eject", the machine will deliver double-fed sheets to the paper discharge bin on the bottom left of the machine and display a message asking whether to continue printing or stop.

Setting Items	Selection	Default Value
Tray 1	Auto Eject	Auto Eject
Tray 2	Suspended	
Tray 3		
Tray 4		
Tray 5		
Tray 6		

0108: Skew Detection

Specify whether or not to detect paper skew.

If the machine detects a paper skew when this is set to "On", it will stop printing and display a message reporting a paper jam.

The machine may erroneously detect paper skew when using dark paper or paper printed to its edges. In such a case, set this to "Off".

This setting is not effective for paper fed from paper trays with custom paper presets. For such paper, the value specified in [05: Skew Detection] in [Advanced Settings] is used. For details about Advanced Settings, ask the machine administrator.

Setting Items	Selection	Default Value
Tray 1	On	On
Tray 2	Off	
Tray 3		
Tray 4		
Tray 5		
Tray 6		
Side 2		

0116: Adjust Paper Curl

Specify the method for straightening curled sheets. Select the method according to the direction and degree of curl. If the paper is curled face up, select "Curl". If it is curled face down, select "Curl". Depending on how much the paper is curled, specify the degree of correction by selecting "Weak" or "Strong".

Setting Items	Selection	Default Value
Tray 1	Adjust Curl: Off	Adjust ^ Curl: Off
	Adjust → Curl: Weak	
	Adjust ~ Curl: Strong	
	Adjust ^ Curl: Off	
	Adjust ^ Curl: Weak	
	Adjust ^ Curl: Strong	

Monitoring

0701: Temperature / Humidity inside the Machine

Display the internal temperature and humidity.

Report this information if your service representative requests it.

Setting Items	Remarks			
Temperature	Value display only.			
Humidity				

0702: Temperature / Humidity outside the Machine

Display the external temperature and humidity.

Report this information if your service representative requests it.

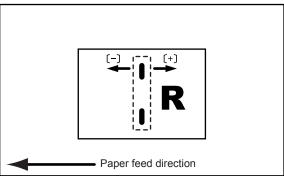
Setting Items	Remarks
Temperature	Value display only.
Humidity	

Finishing

0401: Adjust Staple Position for Booklet

Adjust the horizontal position of the booklet staples when using Booklet Finisher SR5040.

Press [+] to move the position right (across horizontally-spreading pages), or press [-] to move it left.



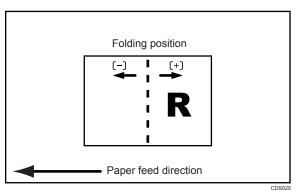
CDS024

Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3D	0.0	1.0	-1.0	0.2	mm
B4 JIS□					
A4D					
B5 JIS□					
13×19□					
12×18□					
11×17□					
8 ¹ / ₂ ×14□					
8 ¹ / ₂ ×11□					
Other Paper Sizes					

0402: Adjust Folding Position for Booklet

Adjust the horizontal position of the folding when using Booklet Finisher SR5040.

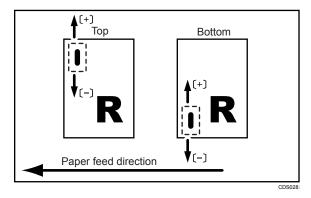
Press [+] to move the position right (across horizontally-spreading pages), or press [-] to move it left.



Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3 🗗	0.0	1.0	-1.0	0.2	mm
B4 JIS□					
A4D					
B5 JIS□					
13×19□					
12×18□					
11×17□					
8 ¹ / ₂ ×14 □					
8 ¹ / ₂ ×11□					
Other Paper Sizes					

0403: Adjust Staple Position

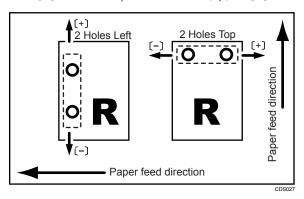
Adjust the vertical position of the staples when using Finisher SR5030 or Booklet Finisher SR5040. Press [+] to move the position forward (up), or [-] to move it backward (down).



Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3₽	0.0	1.0	-1.0	0.5	mm
B4 JIS□					
A4D					
A40					
B5 JISD					
B5 JIS□					
11×17□					
8 ¹ / ₂ ×14 □					
8 ¹ / ₂ ×11 ^D					
8 ¹ / ₂ ×11□					
8K □					
16KD					
16K□					
Other Paper Sizes					

0404: Adjust Punch Position Across Feed Direction

Adjust the vertical position of the punch holes when using Finisher SR5030 or Booklet Finisher SR5040. Press [+] to move the position forward (up), or [-] to move it backward (down).

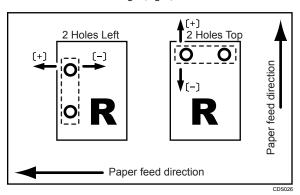


Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
2 Holes Type JP / EU	0.0	2.0	-2.0	0.5	mm
3 Holes Type US					
4 Holes Type EU					
4 Holes Type NE					
2 Holes Type US					

0405: Adjust Punch Position With Feed Direction

Adjust the horizontal position of the punch holes when using Finisher SR5030 or Booklet Finisher SR5040.

Press [+] to move the position toward the top edge (left) relative to the paper feed direction, or [-] to move it toward the bottom edge (right).



Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
2 Holes Type JP / EU	0.0	4.0	-4.0	0.5	mm
3 Holes Type US					
4 Holes Type EU					
4 Holes Type NE					
2 Holes Type US					

0407: Set Number of Folds for Booklet

Specify the number of booklet folds to be performed when using the Booklet Finisher SR5040.

You can adjust the paper folding strength by changing the number of folds per the booklet.

When set to "0", the factory setting, the finisher performs one booklet fold. By increasing the number, you can increase the number of folds.

If set to "-1", folding is not performed.

Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
Number of Folds for Booklet	0	9	-1	1	time(s)

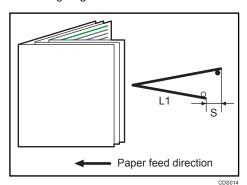
0601: Half Fold Position (Multi-sheet Fold)

Adjust the fold position (S) of half folded sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (S).

The O mark indicates the leading edge (relative to the paper feed direction), and the • mark indicates the trailing edge.



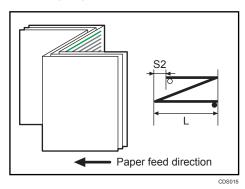
Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3D	0.0	4.0	-4.0	0.2	mm
B4 JIS□					
A40					
B5 JIS□					
13×19 □					
12×18 □					
11×17□					
8 ¹ / ₂ ×14 □					
8 ¹ / ₂ ×11□					
8K□					
Other Paper Sizes					

0602: Letter Fold-out Position 1 (Multi-sheet Fold)

Adjust the fold position for the bottom segment (S2) of letter fold-out sheets when using the multi-folding unit. This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (S2).

The O mark indicates the leading edge (relative to the paper feed direction), and the • mark indicates the trailing edge.



Default Max. Min. Setting Items Step Unit Value Value Value -4.0 B4 JIS□ 0.0 4.0 0.2 $\mathsf{m}\mathsf{m}$ A4□

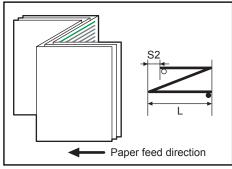
Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
B5 JIS□	0.0	3.0	-3.0	0.2	mm
8 ¹ / ₂ ×14□	0.0	4.0	-4.0	0.2	mm
8 ¹ / ₂ ×11□					
Other Paper Sizes					

0603: Letter Fold-out Position 2 (Multi-sheet Fold)

Adjust the overall fold size (L) of letter fold-out sheets when using the multi-folding unit. This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

The O mark indicates the leading edge (relative to the paper feed direction), and the • mark indicates the trailing edge.



CDS01

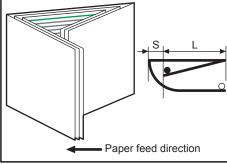
Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
B4 JISC	0.0	4.0	- 4.0	0.2	mm
A4L					
B5 JIS□	0.0	3.0	-3.0	0.2	mm
$8^{1}/_{2}\times14\Box$ $8^{1}/_{2}\times11\Box$	0.0	4.0	-4.0	0.2	mm
8 ¹ / ₂ ×11□					
Other Paper Sizes					

0604: Letter Fold-in Position 1 (Multi-sheet Fold)

Adjust the fold position of the bottom segment (S) of letter fold-in sheets when using the multi-folding unit. This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (S).

The O mark indicates the leading edge (relative to the paper feed direction), and the • mark indicates the trailing edge.



CDS01

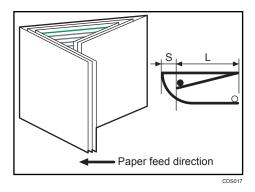
Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3D	0.0	4.0	-4.0	0.2	mm
B4 JIS□					
A4₽					
B5 JIS□					
12×18 □					
11×17□					
8 ¹ / ₂ ×14 □					
8 ¹ / ₂ ×11□					
8K□					
Other Paper Sizes					

0605: Letter Fold-in Position 2 (Multi-sheet Fold)

Adjust the fold position (L) of letter fold-in sheets when using the multi-folding unit. This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

The O mark indicates the leading edge (relative to the paper feed direction), and the • mark indicates the trailing edge.



Setting Items	Default Value	Max. Value	Min. Value	Step	Unit
A3D	0.0	4.0	-4.0	0.2	mm
B4 JIS□					
A4D					
B5 JIS□					
12×18 □					
11×17 □					
8 ¹ / ₂ ×14 □					
8 ¹ / ₂ ×11 D					
8K口					
Other Paper Sizes					

Other Functions

0504: Maximum Stack Quantity in Stacker Tray

Set the maximum number of sheets for the stacker tray.

The maximum number of sheets you can set differs depending on the size, thickness, and paper curl.

Set the maximum number by specifying a ratio based on the number of sheets.

If the unit detects that the number of sheets reaches the set upper limit, a warning message will appear.

Setting Items	Selection	Default Value
Maximum Stack Quantity in Stacker Tray	100%	100%
	75%	
	50%	
	25%	

0703: Switch Print Screen

Select the mode that appears when [To Print Screen] is pressed: copier mode or printer mode.

Setting Items	Selection	Default Value
Print Screen	Copier	Copier
	Printer	

6. Appendix

This section explains how to use a DHCP server, a WINS server and Dynamic DNS. It also provides precautions for dial-up devices and lists the machine's network specifications.

Using DHCP

You can use the machine in a DHCP environment. You can also register the machine NetBIOS name on a WINS server when it is running.

- Supported DHCP servers are Microsoft DHCP Server included with Windows 2000 Server, and Windows Server 2003/2003/2008/2008 R2, and the DHCP server included with NetWare and UNIX.
- If you do not use a WINS server, reserve the machine's IP address in a DHCP server so the same IP address is assigned every time.
- To use a WINS server, change the WINS server setting to "On" using the control panel.
- If you are not using a WINS server, use a DHCP server to allocate the IPv4 address to the machine.
- If there is more than one DHCP server, use the same setting for all servers. The machine operates using data from the DHCP server that responds first.
- DHCP relay-agent is not supported. If you use DHCP relay-agent on a network via ISDN, it will result
 in increased line charges. This is because your computer connects to the ISDN line whenever a packet
 is transferred from the machine.
- The IPv4 address allocated to the machine by the DHCP server is printed on the configuration page. For details about printing the configuration page, see p.29 "Print List".
- DHCP servers can operate in an IPv6 environment, but they cannot be configured to allocate IPv6 addresses or obtain host names.

Using AutoNet

If the machine IPv4 address is not automatically assigned by the DHCP server, a temporary IP address starting with 169.254 and not used on the network can be automatically selected by the machine.



- The IP address assigned by the DHCP server is given priority over that selected by AutoNet.
- You can confirm the current IPv4 address on the configuration page. For details about printing the configuration page, see p.29 "Print List".
- When AutoNet is running, the NetBIOS name is not registered on the WINS server.
- The machine cannot communicate with devices that do not have the AutoNet function. However, this
 machine can communicate with Macintosh computers running Mac OS X 10.2.3. or higher.

Configuring the WINS Server

The machine can be configured to register its NetBIOS name with a WINS server when the power is turned on.



- The following WINS servers are supported: Windows 2000 Server and Windows Server 2003/2003 R2/2008/2008 R2.
- For details about the WINS server settings, see Windows Help.
- If there is no reply from the WINS server, the NetBIOS name is registered by broadcast.
- The NetBIOS name can be entered using up to 15 alphanumeric characters.

Using Web Image Monitor

- 1. Log in to Web Image Monitor in the administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Network", click [IPv4].
- 4. Check that [Active] is selected for [WINS] in the [Ethernet] column, and then enter the WINS server IPv4 address in [Primary WINS Server] and [Secondary WINS Server].
- 5. Click [OK].
- 6. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- 7. Quit Web Image Monitor.



• For details about Web Image Monitor, see p.73 "Using Web Image Monitor".

Using telnet

You can also use telnet to configure WINS.

Use the "wins" command to make the setting with telnet.



• For details, see p.92 "Remote Maintenance Using telnet".

Using the Dynamic DNS Function

Dynamic DNS is a function which dynamically updates (registers and deletes) records (A record, AAAA record, CNAME, and PTR record) managed by the DNS server. When a DNS server is part of the network environment to which this machine, a DNS client, is connected, records can be dynamically updated using this function.

Updating

Updating procedure varies depending on whether the machine IP address is static or acquired by DHCP. To update the record using the machine, the DNS server has to have one of the following:

- No security settings are made.
- If security settings are made, an IP-specified client (this machine) permits updating.



• Dynamic update using message authentication (TSIG, SIG(0)) is not supported.

For a static IPv4 setting

If the IP address or host name is changed, the A and PTR records are updated. When you register the A record, you can also register the CNAME. CNAMEs that can be registered are as follows:

Ethernet

RNPXXXXXX (XXXXXX represents the last 3 hexadecimal bytes of the MAC address)

However, if CNAME (RNPXXXXXX) overlaps with the host name, CNAME will not be registered.

For DHCPv4 settings

As a substitute for the machine, the DHCP server updates the record, and one of the following occurs:

- When the machine acquires the IP address from the DHCP server, the DHCP server updates the A and PTR records.
- When the machine acquires the IP address from the DHCP server, the machine updates the A
 record, and the DHCP server updates the PTR record.

When you register the A record, you can also register the CNAME. CNAMEs that can be registered are as follows:

Ethernet

RNPXXXXXX (XXXXXX represents the last 3 hexadecimal bytes of the MAC address)

For IPv6 settings

This machine updates the AAAA record and PTR record.

It also updates CNAME when the AAAA record is updated.

When a stateless address is newly set, it is automatically registered on the DNS server also.



- When the dynamic DNS function is not used, records managed by the DNS server must be updated manually, if the machine's IP address is changed.
- CNAME registration is factory set to off. To enable it, use the telnet dns command. For details, see p.92 "Remote Maintenance Using telnet".

DNS servers targeted for operation

For static IP setting

- Microsoft DNS servers with standard Windows 2000 Server/Windows Server 2003/2003 R2/2008/2008 R2 features
- BIND 8.2.3 or higher

For DHCP setup, when the machine updates the A record

- Microsoft DNS servers with standard Windows 2000 Server/Windows Server 2003/2003 R2/2008/2008 R2 features
- BIND 8.2.3 or higher

For DHCP setup, when the DHCP server updates records

- Microsoft DNS servers with standard Windows 2000 Server/Windows Server 2003/2003 R2/2008/2008 R2 features
- BIND 8.2.3 or higher
- DNS servers with standard NetWare 5 (or a higher version) features

For IPv6 setting

- Microsoft DNS servers with standard Windows Server 2003/2003 R2/2008/2008 R2 features
- BIND 9.2.3 or higher

DHCPv4 servers targeted for operation

As a substitute for the machine, DHCP servers capable of updating the A record and PTR record are as follows:

- Microsoft DHCP servers with standard Windows 2000 Server (Service Pack 3 or higher versions)/ Windows Server 2003/2003 R2/2008 features
- ISC DHCP 3.0 or higher
- DHCP server with standard NetWare 5 (or a higher version) features

b

Setting the dynamic DNS function

Make settings with telnet using the "dns" command.



• For details, see p.92 "Remote Maintenance Using telnet".

Please pay attention to the following when using the network interface board. When configuration is necessary, follow the appropriate procedures below.

Connecting a Dial-Up Router to a Network

When using NetWare (file server)

If the NetWare file server and machine are on opposite sides of a router, packets are sent back and forth continuously, possibly incurring communications charges. Because packet transmission is a feature of NetWare, you need to change the configuration of the router. If the network you are using does not allow you to configure the router, configure the machine instead.

Filter packets so they do not pass over the dial-up router.

The MAC address of the filtering machine is printed on the configuration page. For details about printing the configuration page, see p.29 "Print List".

For more information about configuring the machine if the router cannot be configured, see the following instructions.

Configuring the machine with NetWare

- 1. Following the setup method described earlier in this manual, configure the file server.
- 2. Set the frame type for NetWare environment.

Configuring the machine without NetWare

 When not printing, the network interface board sends packets over the network. In [Effective Protocol], set NetWare to "Inactive".



- For more information about selecting a frame type, see p.26 "Interface Settings".
- For more information about selecting a protocol, see p.26 "Interface Settings".

Configuring IEEE 802.1X

IEEE 802.1X can be configured using Web Image Monitor's administrator mode. You can select four types of EAP authentication method: EAP-TLS, LEAP, EAP-TTLS and PEAP. Note that each EAP authentication method has different configuration settings and authentication procedures.

Types and requirements of certificates are as follows:

EAP types requiring a "Site Certificate"

EAP-TLS, EAP-TTLS, PEAP (Necessary except LEAP)

EAP types requiring a "Site Certificate" and a "Device Certificate"

EAP-TLS, PEAP (Phase 2 is for TLS only)

If a certificate is required, configure all settings after installing the certificate.

Installing a Site Certificate

Access the authentication server and obtain the CA certificate.

Methods of obtaining certificates differ according to the operating system you are using.

- 1. Log in to Web Image Monitor in the administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Security", click [Site Certificate].
- Click [Browse] on the "Site Certificate to Import" window, and then select the CA certificate you obtained.
- 5. Click [Import].
- 6. Check that the imported certificate's [Status] shows "Trustworthy".

If [Site Certificate Check] shows [Active], and the [Status] of the certificate shows [Untrustworthy], communication might not be possible.

- 7. Click [OK].
- 8. Click [Logout].
- 9. Quit the Web Image Monitor.



For details about Web Image Monitor, see p.73 "Using Web Image Monitor".

Installing Device Certificate

1. Log in to Web Image Monitor in the administrator mode.

- 2. In the menu area, click [Configuration].
- 3. Under "Security", click [Device Certificate].
- 4. Click [Certificate2] on the "Device Certificate" window, and then click [Request].
- Enter appropriate "Common Name" and "Country Code" on "Certificate Information" page, and then click [OK].
- 6. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- Click [Details], shown in the "Device Certificate" window as the memo pad icon for "Requesting".
- 8. Select all, and then copy the entire "Text for Requested Certificate" text that is displayed in the "Certificate Details" window.
- 9. Access the certificate authority server, and then obtain the CA signified certificate using the text copied into "Text for Requested Certificate" windows.
 - Obtaining the certificate differs depending on the environment you want to use.
- 10. Click [Certificate2] on "Device Certificate" window, and then click [Install].
- 11. Using a text editor, open the CA signified certificate downloaded in step 9, and then copy over all the text.
- 12. In the "Enter Certificate Request" window, paste all the text copied into the CA signified certificate.
- 13. Click [OK].
- 14. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- 15. Check that "Installed" appears in "Certificate Status" in [Certificate2].
- 16. In "Certification", set "IEEE 802.1X" to "Certificate2", and then click [OK].
- 17. Click [Logout].
- 18. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- 19. Quit Web Image Monitor.



- For details about Web Image Monitor, see p.73 "Using Web Image Monitor".
- If you request two certificates simultaneously, the certificate authority might not display either certificate. Click [Cancel Request] to cancel the request.
- You can select [Certificate 1-4] in the "Device Certificate" window. Note that if you select [Certificate 1] in the "Device Certificate" window, you must select "Certificate 1" in the "IEEE 802.1X" drop down menu in the "Certification" window.
- If "Not found" appears after clicking [OK] in steps 6 and 14, wait one or two minutes, and then click [Refresh].

Setting Items of IEEE 802.1X for Ethernet

- 1. Log in to Web Image Monitor in the administrator mode.
- 2. In the menu area, click [Configuration].
- 3. Under "Security", click [IEEE 802.1X].
- 4. In "User Name", enter the user name set in the RADIUS server.
- 5. Enter the domain name in "Domain Name".
- 6. Select "EAP Type". Configurations differ according to the EAP Type.

EAP-TLS

- · Make the following settings according to the operating system you are using:
 - Select [On] or [Off] in "Authenticate Server Certificate".
 - Select [On] or [Off] in "Trust Intermediate Certificate Authority".
 - Enter the host name of the RADIUS server on "Server ID".
 - Select [On] or [Off] in "Permit Sub-domain".

LEAP

• Click [Change] in "Password", and then enter the password set in the RADIUS server.

EAP-TTLS

- Click [Change] in "Password", and then enter the password set in the RADIUS server.
- Click [Change] in "Phase 2 User Name", and then enter the user name set in the RADIUS server.
- Select [CHAP], [MSCHAP], [MSCHAPv2], [PAP], or [MD5] in "Phase 2 Method".
 Certain methods might not be available, depending on the RADIUS server you want to use.
- Make the following settings according to the operating system you are using:
 - Select [On] or [Off] in "Authenticate Server Certificate".
 - Select [On] or [Off] in "Trust Intermediate Certificate Authority".
 - Enter the host name of the RADIUS server in "Server ID".
 - Select [On] or [Off] in "Permit Sub-domain".

PEAP

- Click [Change] in "Password", and then enter the password set in the RADIUS server.
 If [TLS] is selected for "Phase 2 Method", you do not need to specify a password.
- Click [Change] on "Phase 2 User Name", and then enter the user name set in the RADIUS server.
- Select [MSCHAPv2] or [TLS] in "Phase 2 Method".
 When you select [TLS], you must install "IEEE 802.1X Client Certificate".
- Make the following settings according to the operating system you are using:

- Select [On] or [Off] in "Trust Intermediate Certificate Authority".
- Enter the host name of the RADIUS server on "Server ID".
- Select [On] or [Off] in "Permit Sub-domain".
- 7. Click [OK].
- 8. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- 9. In the menu area, click [Configuration].
- 10. Under "Interface", click [Interface Settings].
- 11. Select [Active] in "Ethernet Security".
- 12. Click [OK].
- 13. "Updating..." appears. Wait for about one or two minutes, and then click [OK].
- 14. Click [Logout].
- 15. Quit the Web Image Monitor.



- For details about Web Image Monitor, see p.73 "Using Web Image Monitor".
- If there is a problem with settings, you might not be able to communicate with the machine. To identify the problem, print the configuration page. For details about printing the configuration page, see p.29 "Print List".
- If you cannot identify the problem, reset the machine interface to normal, and then repeat the procedure from the beginning.

Specifications

Component	Specifications
Interface	100BASE-TX, 10BASE-T
Frame type	Ethernet II, IEEE 802.2, IEEE 802.3, SNAP
Network Scanner	 TCP/IP (IPv4/IPv6)* RSH, FTP, FTP-C, SMTP, SMTP-C, POP3, SMB, NCP, WSD (Scanner) IPX NCP
Document Server	TCP/IP (IPv4/IPv6) FTP, FTP-C, HTTP, HTTPS
Management Function	TCP/IP (IPv4/IPv6) RSH, RCP, FTP, FTP-C, SNMP, SNMP-C, HTTP, HTTPS, TELNET, NBT, DHCP, DNS, DNS-C, LDAP

^{*} TWAIN scanner supports IPv4 only.

Under Windows Vista/7, or Windows Server 2008/2008 R2, WSD (Scanner), uses the WSD Port.

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The m17n library

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The m17n library 1.2.0 release

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