Pro C7100s/C7100sx/C7110s/C7110sx

Operating Instructions

Connecting the Machine/ System Settings

For safe and correct use, be sure to read the Safety Information in Read This First before using the machine.

TABLE OF CONTENTS

4. Registering Addresses and Users

5. Appendix

Accessing User Tools

This section describes how to access the User Tools menu.

User Tools allow you to change or set defaults.

📥 **Note**
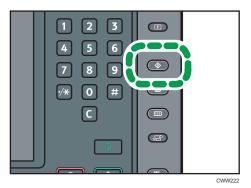
- Operations for system settings differ from normal operations. Always quit User Tools when you have finished.

- 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 [Reset] key is pressed.

Changing Default Settings

This section describes how to change the settings of User Tools.
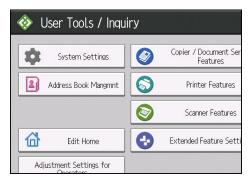
⭐ **Important**

- If Administrator Authentication Management is specified, contact your administrator.

1. **Press the [User Tools] key.**

CWW222

2. **Select the settings you want to change.**

   To change the user tool in [System Settings], press [System Settings].
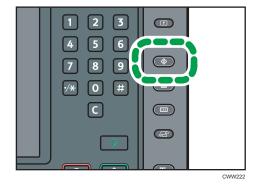
3. **Change settings by following instructions on the display, and then press [OK].**

⬇Note

- To cancel changes made to settings and return to the initial display, press the [User Tools] key.

- For details about specifying System Settings, see page 19 "System Settings".

- For details about changing the language, see "Changing the Display Language", Getting Started.

- For details about checking Inquiry, see "Inquiry", Maintenance and Specifications.

Quitting User Tools

This section describes how to quit the settings of User Tools.

1. **Press the [User Tools] key.**

CWW222

⬇Note

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

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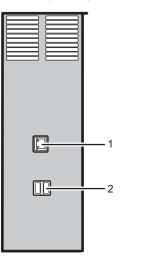
This chapter describes how to connect the machine to the network and specify the network settings.

Connecting to the Interface

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

⭐ **Important**

- Do not insert a foreign object into an opening on the interface such as the Ethernet port or USB host interface. Doing so may lead to a malfunction.

- When you connect a USB interface cable, check the shape of the port and insert the cable connector so that it fits in the port. If you try to insert a USB interface cable with the cable connector and port incorrectly aligned, the USB interface cable or port may be damaged.

- Do not touch the openings of the interface. Doing so may lead to a malfunction.

DFJ005

1. **Gigabit Ethernet port**

   Port for using a 1000BASE-T, 100BASE-TX, or 10BASE-T cable

   Use this interface to connect the machine to a network.

   If you use an Ethernet interface cable that supports 1000BASE-T, set [Ethernet Speed] to [Auto Select: Enable 1Gbps] in [Interface Settings] in [System Settings].

2. **USB Host Interface**

   Port for connecting a USB interface cable or USB interface device

   Use this interface to connect the machine to a card authentication device or external keyboard.

⤓ Note

- The USB cable may have already been inserted into the machine's USB port. Do not remove this cable if it has been inserted. If it is removed with the machine's main power turned on, the machine may not operate normally.

- To prevent the USB cable from being accidentally removed, arrange the USB cable connected to the computer so that nobody trips over it.

- Do not insert or remove the Ethernet interface cable and USB cable if the machine's main power is turned on.

Connecting to the Gigabit Ethernet Interface

This section describes how to connect an Ethernet interface cable to the Gigabit Ethernet port.

If you use an Ethernet interface cable that supports 1000BASE-T, set [Ethernet Speed] to [Auto Select: Enable 1Gbps] in [Interface Settings] in [System Settings].

⚠ CAUTION

- Properly shielded and grounded cables and connectors must be used for connections to a host computer (and/or peripheral) in order to meet emission limits.

★ Important

- If the main power switch is on, turn it off.
- Use the following Ethernet cables.
    - When using 100BASE-TX/10BASE-T:

      Unshielded Twisted Pair Cable (UTP) or Shielded Twisted Pair Cable (STP) and Category type 5 or more
    - When using 1000BASE-T:
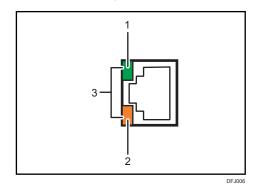
      Unshielded Twisted Pair Cable (UTP) or Shielded Twisted Pair Cable (STP) and Category type 5e or more

1. **Make sure the main power switch is turned off.**

2. **Connect the Ethernet interface cable to the Gigabit Ethernet port.**

DFJ007

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.**

DFJ006

1. **Indicator (green)**

   When 10BASE-T is operating, the LED is lit green.

2. **Indicator (orange)**

   When 100BASE-TX is operating, the LED is lit orange.

3. **Indicators (both orange and green)**

   When 1000BASE-T is operating, both LEDs are lit.

↓Note
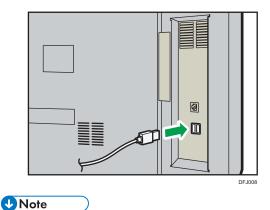
- When Energy Saver mode is enabled, the LEDs may not light up.

- For details about how to turn on the main power switch, see "Turning on the main power", Getting Started.

- For details about installing the printer driver, see "Installing the Printer Driver", Printer Driver Installation Guide.

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Connecting a Device to the Machine's USB Host Interface

This section explains how to connect a device to the machine's USB host interface.

⚠CAUTION

- Properly shielded and grounded cables and connectors must be used for connections to a host computer (and/or peripheral) in order to meet emission limits.

1. **Connect one end of the USB interface device to the machine's USB host interface.**

   If you are using a USB interface cable, connect the other end of it to a device such as card authentication one.

DFJ008

Note

- This machine does not come with a USB interface cable. Make sure you purchase the appropriate cable for the machine (connector shape) and the device.

- Use a 5 m (197 inches) or shorter cable which supports USB Host Interface.

Network Settings Requirements

The requirements of [Interface Settings] menu items under [System Settings] vary depending on the function that you are using. See page 212 "Network Settings Requirements List" and specify the items necessary for the following functions.

- Printer
- E-mail Function
- Folder Function
- Network Delivery Scanner
- WSD Scanner
- Network TWAIN Scanner
- Document Server

⭐ **Important**

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

- For details about each setting, see page 34 "Interface Settings" and page 39 "File Transfer".

Using Utilities to Make Network Settings

This section describes how to make network settings using utilities.

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

📌Note

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

- For details about using Web Image Monitor, see page 67 "Using Web Image Monitor".

- For details about using telnet, see page 89 "Remote Maintenance Using telnet".

Interface Settings

Some of the settings under [Interface Settings] in [System Settings] on the control panel can be specified using Web Image Monitor and telnet.

Network

Control panel	Web Image Monitor	telnet
[Machine IPv4 Address] → [Auto-Obtain (DHCP)]	Available	Available
[Machine IPv4 Address] → [Specify] → "Machine IPv4 Address"	Available	Available
[Machine IPv4 Address] → [Specify] → "Subnet Mask"	Available	Available
[IPv4 Gateway Address]	Available	Available
[Machine IPv6 Address] → "Manual Configuration Address"	Available	Available
[IPv6 Gateway Address]	Available	Available
[IPv6 Stateless Address Autoconfiguration]	Available	Available
[DHCPv6 Configuration]	Available	Available
[DNS Configuration] → [Auto-Obtain (DHCP)]	Available	Available
[DNS Configuration] → [Specify] → "DNS Server 1-3"	Available	Available
[DDNS Configuration]	Available	Available
[IPsec]	Available	Available
[Domain Name] → [Auto-Obtain (DHCP)]	Available	Available

Control panel	Web Image Monitor	telnet
[Domain Name] → [Specify] → "Domain Name"	Available	Available
[WINS Configuration] → [On] → "Primary WINS Server"	Available	Available
[WINS Configuration] → [On] → "Secondary WINS Server"	Available	Available
[WINS Configuration] → [On] → "Scope ID"	Available	Available
[WINS Configuration] → [Off]	Available	Available
[Effective Protocol] → "IPv4"	Available	Available
[Effective Protocol] → "IPv6"	Available	Available
[Effective Protocol] → "NetWare"	Available	Available
[Effective Protocol] → "SMB"	Available	Available
[NCP Delivery Protocol] → [IPX Priority]	Available	Available
[NCP Delivery Protocol] → [TCP / IP Priority]	Available	Unavailable
[NCP Delivery Protocol] → [IPX Only]	Available	Unavailable
[NCP Delivery Protocol] → [TCP / IP Only]	Available	Unavailable
[NW Frame Type] → [Auto Select]	Available	Unavailable
[NW Frame Type] → [Ethernet II]	Available	Available
[NW Frame Type] → [Ethernet 802.2]	Available	Available
[NW Frame Type] → [Ethernet 802.3]	Available	Available
[NW Frame Type] → [Ethernet SNAP]	Available	Available
[SMB Computer Name]	Available	Available
[SMB Work Group]	Available	Available
[Ethernet Speed]	Available	Available
[Ping Command]	Unavailable	Unavailable
[Permit SNMPv3 Communication] → [Encryption Only]	Available	Available
[Permit SNMPv3 Communication] → [Encryption / Cleartext]	Available	Available

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Control panel	Web Image Monitor	telnet
[Permit SSL / TLS Communication] → [Ciphertext Only]	Available	Unavailable
[Permit SSL / TLS Communication] → [Ciphertext Priority]	Available	Unavailable
[Permit SSL / TLS Communication] → [Ciphertext / Cleartext]	Available	Unavailable
[Host Name]	Available	Available
[Machine Name]	Available	Available
[IEEE 802.1X Authentication for Ethernet]	Available	Available

File Transfer

Some of the settings under [File Transfer] in [System Settings] on the control panel can be specified using Web Image Monitor and telnet.

Control panel	Web Image Monitor	telnet
[SMTP Server]	Available	Unavailable
[SMTP Authentication]	Available	Unavailable
[POP before SMTP]	Available	Unavailable
[Reception Protocol] → [POP3]	Available	Unavailable
[Reception Protocol] → [IMAP4]	Available	Unavailable
[Reception Protocol] → [SMTP]	Available	Unavailable
[POP3 / IMAP4 Settings]	Available	Unavailable
[Administrator's Email Address]	Available	Unavailable
[Email Communication Port]	Available	Unavailable
[Email Reception Interval]	Available	Unavailable
[Max. Reception Email Size]	Available	Unavailable
[Email Storage in Server]	Available	Unavailable
[Default User Name / Password (Send)]	Available	Unavailable

Control panel	Web Image Monitor	telnet
[Program / Change / Delete Email Message]	Unavailable	Unavailable
[Auto Specify Sender Name]	Unavailable	Unavailable
[Scanner Resend Interval Time]	Unavailable	Unavailable
[Number of Scanner Resends]	Unavailable	Unavailable

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2. 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 a new user text, press [*Not Programmed].

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

        Enter the user text 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.

Default: [**Medium**]

Warm-up Beeper

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 is.

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 main power switch is turned on, or when System Reset mode is turned on.

Default: [**Home**]

Function Key Allocation

Allocate frequently used functions and programs to the function keys 1 through 4.

Default: [**Do not Allocate**]

Specify the function which you allocate to [Application], [Program], and [Extended Feature].

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 make 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 steps of 1 second) 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 the time interval between printing jobs.

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

When you select [Set Time], enter the time (0-999 seconds, in steps of 1 second) using the number keys.

Screen Color Setting

You can change the screen color.

Default: [**Gray**]

Output: Copier (copier)

Specify a tray to which documents are delivered.

- Finisher Upper Tray (When a finisher is installed)
- Finisher Shift Tray (When a finisher is installed)
- Stacker Upper Tray (When only Stacker is installed or Stacker and Interface Box are installed)
- Stacker Tray (When Stacker is installed)
- Second Stacker Tray (When the second stacker is installed and [According to Function Setting] is selected for [Output Tray Setting])
- Extended Option's Tray (When Interface Box is installed)

Default: [**None**] (The tray is not selected)

Output: Document Server (Document Server)

Specify a tray to which documents are delivered.

- Finisher Upper Tray (When a finisher is installed)
- Finisher Shift Tray (When a finisher is installed)
- Stacker Upper Tray (When only Stacker is installed or Stacker and Interface Box are installed)
- Stacker Tray (When Stacker is installed)
- Second Stacker Tray (When the second stacker is installed and [According to Function Setting] is selected for [Output Tray Setting])
- Extended Option's Tray (When Interface Box is installed)

Default: [**None**] (The tray is not selected)

Output: Printer (printer)

Specify a tray to which documents are delivered.

- Finisher Upper Tray (When a finisher is installed)
- Finisher Shift Tray (When a finisher is installed)
- Stacker Upper Tray (When only Stacker is installed or Stacker and Interface Box are installed)
- Stacker Tray (When Stacker is installed)
- Second Stacker Tray (When the second stacker is installed and [According to Function Setting] is selected for [Output Tray Setting])
- Extended Option's Tray (When Interface Box is installed)

Default: [**None**] (The tray is not selected)

Output Tray Setting

Use this setting to switch between [According to Function Setting] and [Auto Change].

- Output Tray

  This setting appears only when more than one stacker trays are attached to the machine.

  - According to Function Setting
  - Auto Change

  Default: [**According to Function Setting**]

- Multi-job Output Method to Stacker

  This setting appears only when a stacker tray is attached to the machine.

  Always select [Stack Jobs] when outputting multiple jobs to the stacker. Be sure to select [Stack Jobs] even when [Do not Stack Jobs] is displayed.

  - Stack Jobs
  - Do not Stack Jobs

  Default: [**Stack Jobs**]

- Output Settings when Stacker is Full

  This setting is available only when "Output Tray" is set to [Auto Change].

  - Auto Detect
  - Priority Stacker

  Default: [**Auto Detect**]

Paper Tray Priority: Copier (copier/Document Server)

Specify the tray to supply paper for output.

Default: [**Tray 1**]

Paper Tray Priority: Printer (printer)

Specify the 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**]

If you select [When Original is Set], the ADF plate is raised immediately after placing originals on the Auto Document Feeder (ADF). The first page with [When Original is Set] mode is output faster than the one with [When Start Key Pressed] mode.

If you select [When Start Key Pressed], the ADF plate is raised after pressing the [Start] key.

Select this setting if you use originals such as those with multiple pages or thin sheets and they need to be placed and aligned on the ADF.

System Status/Job List Display Time

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

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

When the setting is [On], you can specify a display time between 10 and 999 seconds in steps of 1 second using the number keys.

Interleave Print

Set the number of sheets to be output at the time of operation by interruption.

Default: [**10 sheet(s)**]

Status Indicator

Set whether to light the status indicator on the upper part of the operation panel.

Default: [**On**]

Z-fold Position

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

Metric version:

- A3: 2 - 25 mm
- B4 JIS: 2 - 17 mm
- A4: 2 - 17 mm
- 11 × 17: 2 - 20 mm
- $8^1/_2$ × 14: 2 - 17 mm
- $8^1/_2$ × 11: 2 - 17 mm
- Other Paper Sizes: 2 - 17 mm

Default: [**2 mm**]

Inch version:

- A3: 0.08" - 1.00"
- B4 JIS: 0.08" - 0.68"
- A4: 0.08" - 0.68"
- 11 × 17: 0.08" - 0.80"

- $8^1/_2$ × 14: 0.08" - 0.68"
- $8^1/_2$ × 11: 0.08" - 0.68"
- Other Paper Sizes: 0.08" - 0.68"

Default: [**0.08 inch**]

Half Fold Position

If you specify half folding, set the fold-back position in 1 mm (0.04") increments. Single-sheet Fold or Multi-sheet Fold position can be adjusted. The setting ranges of the folding position for each paper size are shown below:

Metric version:

- A3: -10 - 10 mm
- B4 JIS: -10 - 10 mm
- A4: -10 - 10 mm
- 11 × 17: -10 - 10 mm
- $8^1/_2$ × 14: -10 - 10 mm
- $8^1/_2$ × 11: -10 - 10 mm
- Other Paper Sizes: -10 - 10 mm

Default: [**0 mm**]

Inch version:

- A3: -0.40" - 0.40"
- B4 JIS: -0.40" - 0.40"
- A4: -0.40" - 0.40"
- 11 × 17: -0.40" - 0.40"
- $8^1/_2$ × 14: -0.40" - 0.40"
- $8^1/_2$ × 11: -0.40" - 0.40"
- Other Paper Sizes: -0.40" - 0.40"

Default: [**0.00 inch**]

Letter Fold-out Position

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

Metric version:

- A3: -10 - 10 mm
- B4 JIS: -10 - 10 mm
- A4: -10 - 10 mm
- 11 × 17: -10 - 10 mm

2

- $8^1/_2 \times 14$: -10 - 10 mm
- $8^1/_2 \times 11$: -10 - 10 mm
- Other Paper Sizes: -10 - 10 mm

Default: [**4 mm**]

Inch version:

- A3: -0.40" - 0.40"
- B4 JIS: -0.40" - 0.40"
- A4: -0.40" - 0.40"
- 11 × 17: -0.40" - 0.40"
- $8^1/_2 \times 14$: -0.40" - 0.40"
- $8^1/_2 \times 11$: -0.40" - 0.40"
- Other Paper Sizes: -0.40" - 0.40"

Default: [**0.16 inch**]

Letter Fold-in Position

If you specify letter fold-in folding, set the fold-back position in 1 mm (0.04") increments. Single-sheet Fold or Multi-sheet Fold position can be adjusted. The setting ranges of the folding position for each paper size are shown below:

Metric version:

- A3: 2 - 7 mm
- B4 JIS: 2 - 7 mm
- A4: 2 - 7 mm
- 11 × 17: 2 - 7 mm
- $8^1/_2 \times 14$: 2 - 7 mm
- $8^1/_2 \times 11$: 2 - 7 mm
- Other Paper Sizes: 2 - 7 mm

Default: [**4 mm**]

Inch version:

- A3: 0.08" - 0.28"
- B4 JIS: 0.08" - 0.28"
- A4: 0.08" - 0.28"
- 11 × 17: 0.08" - 0.28"
- $8^1/_2 \times 14$: 0.08" - 0.28"
- $8^1/_2 \times 11$: 0.08" - 0.28"
- Other Paper Sizes: 0.08" - 0.28"

Default: [**0.16 inch**]

Double Parallel Fold Position

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

Metric version:

- A3: -10 - 10 mm
- B4 JIS: -10 - 10 mm
- A4: -10 - 10 mm
- 11 × 17: -10 - 10 mm
- $8^1/_2$ × 14: -10 - 10 mm
- $8^1/_2$ × 11: -10 - 10 mm
- Other Paper Sizes: -10 - 10 mm

Default: [**0 mm**]

Inch version:

- A3: -0.40" - 0.40"
- B4 JIS: -0.40" - 0.40"
- A4: -0.40" - 0.40"
- 11 × 17: -0.40" - 0.40"
- $8^1/_2$ × 14: -0.40" - 0.40"
- $8^1/_2$ × 11 -0.40" - 0.40"
- Other Paper Sizes: -0.40" - 0.40"

Default: [**0.00 inch**]

Gate Fold Position

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

Metric version:

- A3: 2 - 12 mm
- B4 JIS: 2 - 12 mm
- A4: 2 - 12 mm
- 11 × 17: 2 - 12 mm
- $8^1/_2$ × 14: 2 - 12 mm
- $8^1/_2$ × 11: 2 - 12 mm
- Other Paper Sizes: 2 - 12 mm

Default: [**4 mm**]

Inch version:

- A3: 0.08" - 0.48"
- B4 JIS: 0.08" - 0.48"
- A4: 0.08" - 0.48"
- 11 × 17: 0.08" - 0.48"
- $8^1/_2$ × 14: 0.08" - 0.48"
- $8^1/_2$ × 11: 0.08" - 0.48"
- Other Paper Sizes: 0.08" - 0.48"

Default: [**0.16 inch**]

External Keyboard

You can specify the layout for an external keyboard which is connected to the USB Host Interface port.

Default: [**Off**]

The following languages can be set:

Region **A** (mainly Europe)

[English], [German], [Standard French], [Belgian French], [Canadian French], [Italian], [Spanish], [Dutch], [Portuguese], [Polish], [Czech], [Swedish], [Finnish], [Hungarian], [Norwegian], [Danish], [Japanese], [Simplified Chinese], [Traditional Chinese], [Russian], [Hangul], [Catalan], [Turkish], and [Greek]

Region **A** (mainly Asia)

[English], [German], [Canadian French], [Italian], [Spanish], [Dutch], [Portuguese], [Polish], [Czech], [Swedish], [Finnish], [Hungarian], [Norwegian], [Danish], [Japanese], [Simplified Chinese], [Traditional Chinese], [Russian], [Hangul], [Catalan], and [Turkish]

Region **B** (mainly North America)

[English], [German], [Canadian French], [Italian], [Spanish], [Dutch], [Portuguese], [Polish], [Czech], [Swedish], [Finnish], [Hungarian], [Norwegian], [Danish], [Japanese], [Simplified Chinese], [Traditional Chinese], [Russian], [Hangul], [Catalan], and [Turkish]

Program/Change USB Device List

You can register "Product ID" and "Vendor ID" information for a USB keyboard or IC card reader device to the device list to limit the usage of USB devices. The "Product ID" and "Vendor ID" information for a USB device have been assigned by the manufacturer to identify the individual device. "Product ID" input settings are between 0 and 0xFFFF. "Vendor ID" input settings are between 0x0001 and 0xFFFE. Up to two pairs of "Product ID" and "Vendor ID" information can be registered.

Perfect Binding Cut Fine Adjustment

Adjust the cut size applied for perfect binding.

This setting appears only when the perfect binding is installed.

🌐Region A (mainly Europe and Asia)

Default for "Vertical": [**0.0 mm**]

Default for "Horizontal": [**0.0 mm**]

Default for "Cut Position": [**0.0 mm**]

🌐Region B (mainly North America)

Default for "Vertical": [**0.00 inch**]

Default for "Horizontal": [**0.00 inch**]

Default for "Cut Position": [**0.00 inch**]

Compatible ID

You can enable or disable the Compatible ID setting.

If this setting is set to [Active], you can install the printer driver automatically by connecting a computer to the machine via USB or network.

Default: [**Active**]

🔽**Note**
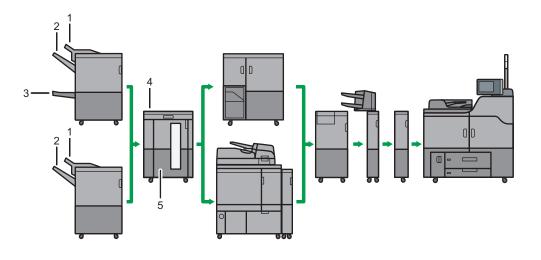
- For details on how to access System Settings, see page 6 "Accessing User Tools".

Output Tray Settings

This section describes the output tray settings.

- Depending on the type of your machine and the options installed on it, the following trays will be displayed.

    - When a finisher is installed, [Finisher Upper Tray] and [Finisher Shift Tray] are displayed.

    - When only Stacker is installed or Stacker and Interface Box are installed, [Stacker Upper Tray] is displayed.

    - When Stacker is installed, [Stacker Tray] is displayed.

    - When the second stacker is installed and [According to Function Setting] is selected for [Output Tray Setting], [Second Stacker Tray] is displayed.

    - When Interface Box is installed, [Extended Option's Tray] is displayed.

- If you select a setting that uses the finisher, the job might not be delivered to the specified output tray.

    - If you select stapling or punching, the job will be delivered to the finisher upper tray or the finisher shift tray.

    - If you select shift-sorting, the job will be delivered to the finisher shift tray.

    - If you select center stapling, the job will be delivered to the finisher booklet tray.

DFH003

1. **Finisher Upper Tray**

2. **Finisher Shift Tray**

3. **Finisher Booklet Tray**

4. **Stacker Upper Tray**

5. **Stacker Tray/Second Stacker Tray** [*1]

*1 When the second stacker is installed, [Second Stacker Tray] is displayed.

Timer Settings

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

Sleep Mode Timer

After a specified period has passed, or the [Energy Saver] key is pressed, the machine enters Sleep mode in order to conserve energy.

Specify the time to elapse before Sleep mode.

You can specify this setting only if [Sleep Mode Entry by Sleep Mode Timer] 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.

Sleep Mode 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.

Low Power Mode 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: [On], [**15 minute(s)**]

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

Low Power Mode Timer may not work when error messages appear.

This setting is not available when [Fusing Unit Off Mode (Energy Saving) On/Off] is set to [On].

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 (copier/Document Server)

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

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)**]

Printer Auto Reset Timer (printer)

Specify the time to elapse before the printer function is reset.

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

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

Scanner Auto Reset Timer (scanner)

Specify the time to elapse before the scanner function is reset.

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 machine's internal clock using the number keys.

To change between year, month, and day, press [←] and [→].

Set Time

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

To change between hours, minutes and seconds, press [←] and [→].

🌐 **Region A** (mainly Europe and Asia)

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

🌐 **Region B** (mainly North America)

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

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 10 to 999 seconds in steps of 1 second, using the number keys.

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

Fusing Unit Off Mode (Energy Saving) On/Off

You can specify whether Fusing Unit Off mode is enabled or not.

When Fusing Unit Off mode is enabled, the display is on but the fusing unit is off to save energy. The machine requires roughly the same time as warm-up time to recover from Fusing Unit Off mode. For details about warm-up time, see "Specifications for the Main Unit", Maintenance and Specifications.

Default: [**Off**]

If [Fusing Unit Off Mode (Energy Saving) On/Off] is set to [On], you can specify when to exit Fusing Unit Off mode and the time to elapse before entering Fusing Unit Off mode.

If [Exit Fusing Unit Off Mode] is set to [On Printing], the machine exits Fusing Unit Off mode when printing is performed.

If [Exit Fusing Unit Off Mode] is set to [On Operating Control Panel], the machine exits Fusing Unit Off mode when a key other than the copy function key is pressed on the control panel of the machine.

If printing is performed with the copy function or a key in the copy function is pressed on the control panel of the machine, the machine exits Fusing Unit Off mode regardless of this setting.

If the timer is set to [On], you can set the time from 10 seconds to 240 minutes, using the number keys.

Weekly Timer

Specify the time when the machine switches to and from Off mode or Sleep mode. This timer can be set for Monday through Sunday. You can set up to six timer settings a day.

Default: [Inactive]

If you select [Active (Daily)] or [Active (Day of the Week)], specify [Weekly Timer Code], [Weekly Timer Schedule], or [Main Power On Timer Suspension Period].

- Weekly Timer Code

  If the Weekly Timer setting is specified, you can set a password (up to eight digits) for when the machine recovers from Off mode or Sleep mode. If a password is registered, the password input screen appears when you cancel Sleep mode, or when you press the main power switch during Off mode. The machine recovers from Sleep mode or Off mode after you enter the password. If you select [Off], you do not have to enter a password to recover the machine from Off mode or Sleep mode.

  In order to set a password, administrator authentication must be enabled. For details, see Security Guide.

- Weekly Timer Schedule
  - Event
    - Enter Sleep Mode
    - Cancel Weekly Timer Code
    - Main Power Off
    - Main Power On
    - None

  Default for "Event": [None]

  If an event is selected, enter the time for the event in "Event Timer".

  Region A (mainly Europe and Asia)

  Enter the time in [Event Timer] using the 24-hour format.

  Region B (mainly North America)

  Enter the time in [Event Timer] using the 12-hour format.

- Main Power On Timer Suspension Period

  Set the dates for [Start Date] and [End Date] using the number keys.

  If the Main Power On Timer Suspension Period timer has been set and the machine's main power switch is not turned on at the date specified for [End Date] in [Main Power On Timer

Suspension Period], the Main Power On timer will not be performed although the Main Power On Timer Suspension Period term expires. To enable Main Power On timer, you need to turn the main power switch on manually.

Binding Glue Heater Auto Off Timer

Specify how long the machine keeps the glue heated. This setting appears only when the perfect binder is installed.

If you select [Heater Always On], the binding glue heater does not turn off automatically.

The following time can be set;

[10 minutes], [15 minutes], [20 minutes], [30 minutes], [40 minutes], [50 minutes], [60 minutes], [90 minutes], [2 hours], [3 hours], [4 hours], or [Heater Always On]

Default: [**30 minutes**]

🔽 **Note**

• For details on how to access System Settings, see page 6 "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 the 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

Display 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.

- DHCPv6 Address

    The machine's DHCPv6 address appears.

- Stateless Address: 1–5

    The specified stateless address appears if [IPv6 Stateless Address Autoconfiguration] is set to [Active].

IPv6 Gateway Address

Display the machine's IPv6 gateway address.

IPv6 Stateless Address Autoconfiguration

Specify IPv6 Stateless Address Autoconfiguration.

Default: [**Active**]

DHCPv6 Configuration

Specify the DHCPv6 setting.

Default: [**Inactive**]

If you set to [Active], select "Operation Mode" from [Router Request], [Obtain IP Address] or [Do not obtain IP Address], and also select "DNS Server Address" from [Auto-Obtain (DHCPv6)] or [Specify].

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 setting.

Default: [**Inactive**]

For details about this function, see Security Guide.

Domain Name

Specify the domain name.

Default: [**Auto-Obtain (DHCP)**]

When you select [Specify], enter the domain name 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.xxx" ("x" indicates a number).

If DHCP is in use, specify a Scope ID. Enter the Scope ID up to 31 characters.

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

Effective Protocol

Select protocols to use in the network.

Default for "IPv4": [**Active**]

Default for "IPv6": [**Inactive**]

2

Default for "NetWare": [**Inactive**]

"NetWare" is displayed only when an optional NetWare unit is installed.

Default for "SMB": [**Active**]

Default for "@Remote Service": [**Active**]

Default for "Firmware Update (IPv4)": [**Active**]

Default for "Firmware Update (IPv6)": [**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**]

SMB Computer Name

Specify the SMB computer name.

Enter the computer name up to 15 characters.

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

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

Only use uppercase letters for alphabets.

SMB Work Group

Specify the SMB work group.

Enter the computer name up to 15 characters.

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

Only use uppercase letters for alphabet.

Ethernet Speed

Set the access speed for networks.

Default: [**Auto Select: Disable 1Gbps**]

Select a speed that matches your network environment. [Auto Select: Disable 1Gbps] should usually be selected.

If a connection cannot be established due to hub incompatibility, set [Ethernet Speed] to a setting other than [Auto Select: Enable 1Gbps] or [Auto Select: Disable 1Gbps].

Machine Setting	Settings of the connectable device
Auto Select: Disable 1Gbps/ Auto Select: Enable 1Gbps [*1]	Auto Select, 10 Mbps Half Duplex, 100 Mbps Half Duplex
10 Mbps Full Duplex	10 Mbps Full Duplex
10 Mbps Half Duplex	Auto Select, 10 Mbps Half Duplex
100 Mbps Full Duplex	100 Mbps Full Duplex
100 Mbps Half Duplex	Auto Select, 100 Mbps Half Duplex

*1 Terms will vary depending on the network.

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 machine with the assigned IPv4 address is connected to the network.
- There is a possibility that the same IPv4 address is used for the specified equipment.

Permit SNMPv3 Communication

Set the encrypted communication of SNMPv3.

Default: [**Encryption / Cleartext**]

If you select [Encryption Only], you need to set an 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 up to 63 characters.

The following host names are unacceptable:

a host name starting with or ending with a hyphen

a host name in which hyphens are used consecutively

a host name starting with "RNP" or "rnp"

Machine Name

Specify the machine name.

Enter the machine name 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 Security Guide.

Restore IEEE 802.1X Authentication to Defaults

You can return the IEEE 802.1X authentication settings to their defaults.
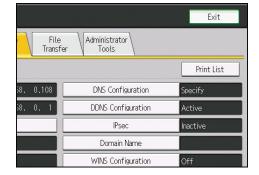
For details about IEEE 802.1X authentication, see Security Guide.

Print List

This section describes how to print a configuration page.

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.**

Note

- You can also exit by pressing [Exit] on the User Tools main menu.

- For details on how to access System Settings, see page 6 "Accessing User Tools".

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**]

Default for "Use Secure Connection (SSL)": [**Off**]

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

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

The SMTP server shares the same port number with the Direct SMTP server.

If you set SSL to [On], the port number automatically changes to "465".

SMTP Authentication

Specify SMTP authentication (PLAIN, LOGIN, CRAMMD5, 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 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".

- Email Address

  Enter the e-mail address up to 128 characters.

- Password

  Enter the password 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.

[Off]

Use if the authentication method is PLAIN or LOGIN.

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 0 to 10,000 milliseconds, in steps of 1 millisecond.

- User Name

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

- Email Address

  Enter the e-mail address up to 128 characters. Spaces cannot be entered.

- Password

  Enter the password 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 the server name in [POP3 / IMAP4 Settings]. Also, check the 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 the POP3/IMAP4 server name up to 127 characters. Spaces cannot be entered.

- Encryption

  Select Encryption as follows:

  [Auto]

  The password is automatically encrypted according to the POP/IMAP server settings. If encryption fails, authentication is carried out using the cleartext password.

  [On]

  The password is encrypted.

  [Off]

  The password is not encrypted.

  Default: [Auto]

Administrator's Email Address

Specify the administrator's e-mail address up to 128 characters.

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

If you have specified the user name and e-mail address in [SMTP Authentication], make sure to specify this setting.

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

Email 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.

Email Reception Interval

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

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

If [On] is selected, the time can be set from 2 to 1440 minutes in steps of 1 minute.

Max. Reception Email Size

Specify the maximum reception e-mail size for receiving e-mail.

Default: [2 MB]

Enter a size from 1–50 MB in steps of 1 MB.

Email 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 user names and passwords required when sending scan files directly to a shared folder on a computer running Windows, to an FTP server, or to a NetWare server.

Enter the user names up to 64 characters for FTP and 128 characters for SMB and NCP.

Enter the passwords up to 64 characters for FTP and NCP and 128 characters for SMB.

Program / Change / Delete Email Message

You can program, change, or delete an e-mail message used when sending a scan file as an attachment. Up to five messages can be registered.

For details on how to register e-mail messages, see page 177 "Registering E-mail Messages".

Auto Specify Sender Name

Specify whether or not to specify the name of the sender when sending e-mails.

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.

  If the specified e-mail address is not registered in the machine's Address Book, the machine's e-mail address will appear in the "From:" box. If the machine does not have an e-mail 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

Specify the interval the machine waits before resending a scan file, if it cannot be sent to the destination.

Default: [**300 second(s)**]

The interval time can be set from 60 to 900 seconds in steps of 1 second, using the number keys.

This setting is not valid for the WSD scanner function.

Number of Scanner Resends

If file delivery fails, the machine tries to resend the scan file to the destination up to the number of times specified in this setting.

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

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

This setting is not valid for the WSD scanner function.

Note

- For details on how to access System Settings, see page 6 "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 page 157 "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, display priority, 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. User codes or user names and passwords registered here are also used for the print volume use limitation function.

  - Protection

    You can register a protection code.

  - Email

    You can register an e-mail destination.

  - Folder

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

  - Add to Group

    You can register a user or group of users registered in the Address Book to a group.

- Delete

  You can delete a name from the Address Book.

  For details about each setting under "Address Book Management", see page 157 "Address Book".

You can register information up to 2,000 users.

You can register up to 1,000 user codes and login user names in total.

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

For details about the print volume use limitation setting under the Protection tab, see Security Guide.

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.

You can register up to 100 groups.

- Program/Change

  You can register and change groups.

  - Names

    You can register a name, key display, registration number, display priority, 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.

For details on how to register names to a group, see page 193 "Registering Names to a Group".

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

Address Book: Change Order

You can change the order of registered names.

For details about changing the order of the names in the Address Book, see page 163 "Changing Order of Registered Names".

Print Address Book: Destination List

You can print destination lists registered in the Address Book.

- Print in Title 1 Order

  Prints the Address Book in the Title 1 order.

- Print in Title 2 Order

  Prints the Address Book in the Title 2 order.

- Print in Title 3 Order

  Prints the Address Book in the Title 3 order.

- Print Group Dial List

  Prints the group Address Book.

  For details about printing destination lists, see page 201 "Printing Destination Lists".

Address Book: Edit Title

You can edit the title to easily find a user.

For details on how to edit titles, see page 165 "Editing Titles".

Address Book: Switch Title

Select a sorting title for user names from [Title 1] to [Title 3].

Default: [Title 1]

For details about sorting titles, see page 162 "Registering User Information".

Backup/Restore: User Custom Settings & Address Book

Using an SD card, you can backup the machine's Address Book and user settings, and also restore those backup data to the machine.

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

Restoring 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 Web Image Monitor Help.

- Back Up

  You can back up the machine's Address Book and user settings to an SD card.

- Restore

  You can restore the backup copy of the Address Book and user settings from an SD card.

- Format

  You can format an SD card.

- Obtain Memory Device Info

  You can check the free space and contents of the SD card.

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 or LDAP 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 want to carry over from an Address Book.

Windows authentication or LDAP authentication must be specified to use this function. For details, see Security Guide.

Auto Delete User in Address Book

If the maximum registerable limit has been reached and adding a new account is requested, the oldest account can be deleted and a new account can be registered according to the user settings.

The new account described above is an account which is automatically registered in the Address Book, and is not arbitrarily registered in the Address Book by a user.

Default: [**Off**]

Delete All Data in Address Book

You can delete all data in the Address Book.

Display / Print Counter

Allow you to view and print the number of prints.

- Display / Print Counter

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

- Print Counter List

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

Display / Clear / Print Counter per User

Allow 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

  Print the counter value for all the users.

- Clear Counter List for All Users

  Reset the counter value for all the users.

- Print Counter List Per User

  Print the counter value for each user.

- Clear Counter List Per User

  Reset 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 page 170 "Printing the Counter for Each User" and page 171 "Printing the Counter for All Users".

Display / Clear Eco-friendly Counter

For details about this function, see Security Guide.

Display / Clear Eco-friendly Counter per User

For details about this function, see Security Guide.

Eco-friendly Counter Period / Administrator Message

For details about this function, see Security Guide.

Machine action when Limit is reached

For details about this function, see Security Guide.

Print Volume Use Limitation: Unit Count Setting

For details about this function, see Security Guide.

Enhanced Print Volume Use Limitation

You can enable the Enhanced Print Volume Use Limitation function using Software Development Kit

applications. This setting can be selected for "Tracking Permission" and "Stop Printing". Tracking refers to the trace records of machine information.

Default for "Tracking Permission": [**Off**]

Default for "Stop Printing": [**Off**]

If you set "Tracking Permission" to [On], the Software Development Kit application collects the tracking information from the machine and calculates the count.

If you set "Stop Printing" to [On], the Software Development Kit application will cancel a print job from the machine if one is underway.

Print Volum. Use Limit.: Default Limit Value

For details about this function, see Security Guide.

Media Slot Use

For details about this function, see Security Guide.

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 user codes.

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

  - Functions to Restrict

    - Copier:

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

    - Printer:

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

    - Other Functions:

      [Document Server], [Scanner]

- Printer Job Authentication:

    [Entire], [Simple (Limitation)], [Simple (All)]

- Limitation Range:

    [Change]

- Basic Auth.

- Windows Auth.

- LDAP Auth.

- Off

Default: [**Off**]

For details about Basic Authentication, Windows Authentication, and LDAP Authentication, see Security Guide.

Enhanced Authentication Management

For details about this function, see Security Guide.

Administrator Authentication Management

For details about this function, see Security Guide.

Program / Change Administrator

For details about this function, see Security Guide.

Key Counter Management

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

- Copier:

    [Full Color], [Black & White], [Single Color], [Two-color]

- Printer:

    [Color], [Black & White]

- Other Functions:

    [Document Server], [Scanner]

External Charge Unit Management

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

- Copier:

    [Full Color], [Black & White], [Single Color], [Two-color]

- Printer:

    [Color], [Black & White]

- Other Functions:

    [Document Server], [Scanner]

For details about this function, consult your administrator.

Enhanced External Charge Unit Management

Specify whether or not to enable enhanced features for the 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, see Security Guide.

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)**]

Documents stored after this function is activated are subject to automatic deletion in a specified period.

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

In the default setting, stored documents are automatically deleted 3 days (72 hours) after they are stored.

Delete All Files in Document Server

You can delete files stored in the Document Server, including files stored for Sample Print, Locked Print, Hold Print, and Stored Print under the printer function.

Files stored with passwords are also subject to deletion.

Select [Yes] on the confirmation screen to delete all files.

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 No.
- Use Secure Connection (SSL)
- Authentication
- User Name
- Password
- Realm Name
- Japanese Character Code

- 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 page 58 "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.

Sleep Mode Entry by Sleep Mode Timer

Specify whether or not to use Sleep Mode.

Default: [**Enable**]

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.

This function is unavailable when "Notify Machine Status" is in use.

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.

This function is unavailable when "Service Test Call" is in use.

Service Mode Lock

For details about this function, see Security Guide.

Firmware Version

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

Network Security Level

For details about this function, see Security Guide.

Auto Erase Memory Setting

For details about this function, see Security Guide.

Erase All Memory

For details about this function, see Security Guide.

Delete All Logs

For details about this function, see Security Guide.

Transfer Log Setting

For details about this function, see Security Guide.

Unauthorized Copy Prevention Printing: Printer

You can set the unauthorized copy prevention for the pattern and data security for copying to data to prevent unauthorized copying of the document.

- Unauthorized Copy Prevention Setting

  Choose whether or not to specify unauthorized copy prevention on the machine.

  Default: [**Off**]

- Compulsory Unauthorized Copy Prevention

  Select the unauthorized copy prevention setting on which to prioritize.

  - Driver / Command

    Print documents using the settings specified in the printer driver or commands.

  - Driver/Command (Most Settings)

    Print the background pattern and density as specified on the machine. For other items, the settings configured in the printer driver or commands are applied when printing.

  - Machine Setting(s)

    Print documents using the settings specified on the machine regardless of the printer driver settings.

  Default: [**Driver / Command**]

- Unauthorized Copy Prevention Type

  Select the Unauthorized Copy Prevention type to use.

  - Data Security for Copying

    If the printed document is copied, scanned, or stored in the Document Server using a copier or MFP, images in the document are covered with gray overprint.

    For details about the optional units required for this function, see "Functions Requiring Optional Configurations", Getting Started.

  - Unathd. Copy Prev.: Patn.

    Embed texts and background images for Unathd. Copy Prev.: Patn. on the printed document. When the printed document is copied, scanned, or stored in the Document Server, a text pattern appears on the background of the document to prevent illegal copying.

  Default: [**Unathd. Copy Prev.: Patn.**]

- Data Security for Copying Effect

  Select the effect of data security for copying that will be applied to the copied or printed document.

- Text and Background

- Background Only

Default: [**Text and Background**]

- Unauthorized Copy Prevention of Patterns Effect

Select the effect of unauthorized copy prevention for pattern that will be applied to the copied or printed document.

- Text and Background

- Background Only

- Text Only

- Reverse Patterns(Text/Background)

Default: [**Text and Background**]

- Mask Type for Pattern

Select the pattern to be embedded in the background of the printed documents. The available options are as follows:

None, Type 1, Type 2, Type 3, Type 4, Type 5, Type 6, Type 7, Type 8, Type 9, Type 10

Default: [**None**]

- Pattern Color

Select the pattern color to be embedded in the background of the printed documents. The available options are as follows:

Black, Magenta, Cyan

Default: [**Black**]

- Pattern Density

Select the density of the background pattern.

Default: "**3**"

- Text Selection

Enter the text to be embedded on the printed documents to prevent unauthorized copying. The available options are as follows:

Do not Specify, Unauthorized Copy, Illegal Copy, Void, Do not copy, Copy Restricted, Copy Prohibited, Controlled Document, Confidential Document, In Confidence, In Strictest Confidence, Confidential, User Name, File Name, Date & Time, User Name + File Name, User Name + Date & Time, File Name + Date & Time, User Name + File Name + Date & Time, User Text 1, User Text 2

Default: [**Unauthorized Copy**]

Register any text that you want to be embedded for unauthorized copy prevention. Once registered, the text you want to use can be selected from [Text Selection]. You can enter a user text up to 64 characters

- PCL Fonts for Texts

  Specify the font type to be used for the copy prevention text when using the PCL.

  Default: [**Arial**]

- PS Fonts for Texts

  Specify the font type to be used for the copy prevention text when using PostScript 3.

  Default: [**Arial**]

- Point Size

  Specify the font size of the copy prevention text by entering a value between 50 and 300 points using the number keys.

  Default: "**70**" points

- Carriage Return Space

  Specify the spacing of the lines between texts by entering a value from 50 to 300 points using the number keys. This setting is displayed if a value other than [Off] is specified for [Repeat Text].

  Default: "**70**" points

- Text Angle

  Specify the rotation angle of the text. When a larger number is specified, the text is rotated counter-clock wise around the middle of the text string. Specify an angle between 0 and 359 degrees using the number keys.

  Default: "**30**" degree(s)

- Repeat Text

  The text is printed repeatedly and down the page beginning the upper left corner of the page. If [On: Rotate 180deg on Return] is selected, each line of the text that is separated by a line feed will be rotated 180 degrees.

  - On
  - On: Rotate 180deg on Return
  - Off

  Default: [**Off**]

- Text Position

  Select the position where the text is inserted. This setting is displayed if 0 degrees is specified as the value for [Text Angle] and [Off] is specified as the value for [Repeat Text]. The available options are as follows:

  Top Left, Top Center, Top Right, Center, Bottom Left, Bottom Center, Bottom Right

  Default: [**Center**]

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 page 64 "Programming the Realm".

Machine Data Encryption Settings

For details about this function, see Security Guide.

Program / Delete Device Certificate

You can program and delete a self-generated device certificate and also check status of the certificate.

For details about this function, see Security Guide.

Device Setting Information: Import Setting (Server)

For details about this function, see Security Guide.

Device Setting Information: Run Import (Server)

For details about this function, see Security Guide.

Device Setting Information: Export (Memry Strge Devc)

For details about this function, see Security Guide.

Device Setting Information: Import (Memry Strge Devc)

For details about this function, see Security Guide.

PDF File Type: PDF/A Fixed

If this setting is activated, available PDF file format is limited to PDF/A.

Default: [**Off**]

Stop Key to Suspend Print Job

Specify the range of print jobs to be suspended when the [Stop] key is pressed.

Default: [**All Print Jobs**]

Energy Saver Key to Change Mode

Select which mode the machine enters when the [Energy Saver] key is pressed.

Default: [Sleep Mode]

Compulsory Security Stamp:Copier

This setting allows to print security stamps on output documents using the copier function. You can adjust where the stamps are printed.

Default: [**Off**]

Available stamp settings: [Date/Time], [Printout User Name], [Machine ID], [Machine IP Address], [Adjust Stamp Position]

Compulsory Security Stamp:Doc. Srvr.

This setting allows to print security stamps on output documents using the Document Server function. You can adjust where the stamps are printed.

Default: [**Off**]

Available stamp settings: [Date/Time], [Printout User Name], [Machine ID], [Machine IP Address], [Adjust Stamp Position]

Compulsory Security Stamp:Printer

This setting allows to print security stamps on output documents using the printer function. You can adjust where the stamps are printed.

Default: [**Off**]

Available stamp settings : [Date/Time], [Printout User Name], [Machine ID], [Machine IP Address], [Adjust Stamp Position]

User's Own Customization

Specify whether to allow logged-in users to display their own home screen.

Default: [**Prohibit**]

For details about this function, see Security Guide.

Volume Use Counter: Scheduled/Specified Reset Settings

For details about this function, see Security Guide.

Select Switchable Languages

You can set up to five display languages that can be changed.

Depending on the destination, the default value is changed.

The following languages can be set: [Japanese], [English], [French], [German], [Italian], [Spanish], [Dutch], [Norwegian], [Danish], [Swedish], [Polish], [Portuguese], [Hungarian], [Czech], [Finnish], [Simplified Chinese], [Traditional Chinese], [Russian], [Greek], [Hangul], [Catalan], [Turkish], and [Brazilian Portuguese]

Collect Logs

You can specify whether or not to collect job logs, access logs, and eco-friendly logs.

- Active
- Inactive

Default for "Job Log ": [**Inactive**]

Default for "Access Log ": [**Inactive**]

Default for "Eco-friendly Logs ": [**Inactive**]

For details about this function, see Security Guide.

Central Address Book Management

You can set Management Server that centrally manages address book information and Managed Client.

The address book information registered in Management Server can be shared with Managed Client by synchronizing Management Server with the other machines to be registered as Managed Client.

Only the machine administrator can specify the settings.

- Management Server

- Managed Client

- Do not Manage Centrally

Default: [**Do not Manage Centrally**]

- Management Server

  You can specify the settings for the management server, such as referring to the client device list, removing the client device, and synchronizing with the address book.

  - Machine Name

    [Machine Name] specified under [Interface Settings] is displayed.

  - Location

    The name specified for "Location" is displayed.

  - Central Management Password

    Specify the password for central management. The password is used to register Managed Client.

    Enter a password between 4 and 16 characters using the number keys.

- Managed Client

  You can specify the settings for the managed client, such as synchronizing with the address book of the management server.

  - Machine Name

    [Machine Name] specified under [Interface Settings] is displayed.

  - Location

    The name specified for "Location" is displayed.

  - Server IP Address/Host Name

    Enter the server IP address/host name.

    Enter the IP Address and Host Name up to 128 characters using the number keys.

  - Central Management Password

    Enter the central management password specified for [Central Management Password] in [Management Server].

Enter a password between 4 and 16 characters using the number keys.

- Allow Log In If Disconnected

  Specify whether or not to allow login.

- Connection Test

  Test the connection with the management server.

  If either [Server IP Address/Host Name] or [Central Management Password] is blank, you cannot perform a test connection.

↓Note

- For details on how to access System Settings, see page 6 "Accessing User Tools".

- Unauthorized copy prevention can be specified in Web Image Monitor and in the printer driver. For details about how to configure the settings, see "Printing Documents That Are Not Authorized for Duplication", Print.

- If [Managed Client] is specified for [Central Address Book Management], the following settings are not available:

  - Address Book Management

  - Address Book: Program / Change / Delete Group

  - Address Book: Change Order

  - Address Book: Edit Title

  - Backup/Restore: User Custom Settings & Address Book

  - Delete All Data in Address Book

  - Program / Change Administrator

Programming the LDAP Server

This section describes how to specify the LDAP server settings.

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 to specify the following items. For other items, check your environment and make any necessary changes.

- Server Name
- Search Base
- Port No.
- Authentication
- Search Conditions

If [Kerberos Authentication] is selected, specify "User Name", "Password", and "Realm Name".

If [Digest Authentication] or [Cleartext Authentication] is selected, specify "User Name" and "Password".

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

Only LDAP version 3.0 supports Digest Authentication.

To select Kerberos Authentication, a realm must be registered in advance. For details, see page 64 "Programming the Realm".

Programming the LDAP Server

1. Press the [User Tools] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [▼Next] until [Program / Change / Delete LDAP Server] is displayed.
5. Press [Program / Change / Delete LDAP Server].
6. Check that [Program / Change] is selected.
7. Press [*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].

    Enter either the host name or IPv4 Address of the LDAP server within 128 characters.

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

    Select a root folder to start a search. E-mail addresses registered in the selected folder are 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 the registration is required, unspecified searches will result in error.

    Check your server environment and enter any required specifications.

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

    Use SSL to communicate with the LDAP server.

    For SSL 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, see Security Guide.

15. **Press [Change] under "Port No. ".**

    Specify a port number for communicating with the LDAP server. The port must be compliant with your environment.

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

17. **Press [▼Next].**

18. **Select an authentication method.**

    To make a search request to the LDAP server, the administrator account can be used for authentication.

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

    - [Kerberos Authentication]

      A password protected with encryption is sent to the KDC server where authentication is performed.

    - [Digest Authentication]

      A password protected with encryption is sent to the LDAP server.

      Digest Authentication is only available with LDAP version 3.0.

    - [Cleartext Authentication]

      A password without encryption is sent to the LDAP server.

    - [Off]

Proceed to Step 25.

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

When [Kerberos Authentication], [Digest Authentication], or [Cleartext Authentication] is selected for the authentication setting, the administrator account name and password can be used. 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 the 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 page 205 "Registering SMTP and LDAP Authentication".

23. Enter the password again to confirm, and then press [OK].

If you select [Digest Authentication] or [Cleartext Authentication], proceed to Step 25.

24. Select the Realm.

25. Press [Connection Test].

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

26. Press [Exit].

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

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

27. Press [▼Next].

28. **Press [Change] for items you want to use as search conditions from the following: "Name", "Email Address", "Fax Number", "Company Name", and "Department Name".**

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

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

   Each attribute must be within 64 characters.

   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.

30. **Press [▼Next].**

31. **Press [Change] under "Attribute" in "Search Options" if you want to create optional search conditions.**

32. **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.

33. **Press [Change] under "Key Display".**

34. **Enter the key display, and then press [OK].**

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

   - Without optional key display registration

   - With optional key display registration

In this case, the "EmployeeNo." key is added.

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.

35. Press [OK].

36. Press [Exit].

37. 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 [▼Next] until [Program / Change / Delete LDAP Server] is displayed.

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 [▼Next] until [Program / Change / Delete LDAP Server] is displayed.**

5. **Press [Program / Change / Delete LDAP Server].**

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

This section describes how to specify the Realm settings.

A realm is the network area in which Kerberos authentication is used. After checking 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] until [Program / Change / Delete Realm] is displayed.**
5. **Press [Program / Change / Delete Realm].**
6. **Check that [Program / Change] is selected.**
7. **Press [*Not Programmed].**
8. **Press [Change] under "Realm Name".**
9. **Enter a realm name, and then press [OK].**

   Enter the realm name or host name.

   You can enter a realm name up to 64 characters.
10. **Press [Change] under "KDC Server Name".**
11. **Enter a KDC server name, and then press [OK].**

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

   You can enter a KDC server name 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 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] until [Program / Change / Delete Realm] is displayed.

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 a new realm name, and then press [OK].

   You can enter a realm name up to 64 characters.

10. To change the KDC server name, press [Change] under "KDC Server Name".

11. Enter a new KDC server name, and then press [OK].

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

12. To change the domain name, press [Change] under "Domain Name".

13. Enter a new domain name, and then press [OK].

    You can enter a domain name 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] until [Program / Change / Delete Realm] is displayed.

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.

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 6.0 or later

    Firefox 10 and 15 or later

    Google Chrome Version: 19 or later

- Mac OS:

    Firefox 10 and 15 or later

    Safari 3.0 or later

    Google Chrome Version: 19 or later

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

3

↓Note

- 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 display 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)/".

- When you are using Firefox, fonts and colors may be different, or tables may be out of shape.

- If you are using Internet Explorer 7.0/8.0 under an IPv6 environment, enter the machine's host name, not the IP address, in the browser's address bar.

- When using a host name under Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2 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 operating system and Microsoft Internet Explorer 6.0 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 Internet Explorer 8 Help.

- 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.

- If user authentication is activated, you are required to enter your login user name and password to use Web Image Monitor. For Details, see "Logging In Using Web Image Monitor", Getting Started.

- When you configure settings using Web Image Monitor, do not login from the control panel. The settings you have configured using Web Image Monitor may become invalid.

Displaying Top Page

This section explains the Top Page and how to display Web Image Monitor.
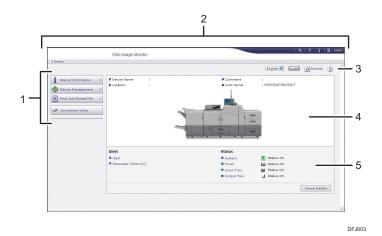
⭐ **Important**

- When entering an IPv4 address, do not begin segments with zeros. For example: If the address is "192.168.001.010", you must enter it as "192.168.1.10".

1. **Start your web browser.**

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

   Top Page of Web Image Monitor appears.

   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)/".

   Web Image Monitor is divided into the following areas:

DFJ003

1. **Menu area**

   If you select a menu item, its content will be shown.

2. **Header area**

   Display icons for the links to Help and the keyword search function. This area also displays [Login] and [Logout], which allows you to switch between the administrator and guest mode.

3. **Refresh/Help**

   (Refresh): Click 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.

   (Help): Use Help to view or download Help file contents.

4. **Basic Information area**

   Display the basic information of the machine.

5. **Work area**

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

About Guest Mode and Administrator 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

This mode requires no login to enter.

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

Administrator Mode

This mode requires an administrator login to enter.

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

Access in the Administrator Mode

Follow the procedure below to access Web Image Monitor in the administrator mode.

1. **On Top Page, click [Login].**

   The window for entering a login user name and password appears.

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

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

Status/Information

- Device Info

Menu	Guest mode	Administrator mode
Functions	Read	Read

Menu	Guest mode	Administrator mode
System	Read	Read
Version	Read	Read
Printer Language	Read	Read

- Status

Menu	Guest mode	Administrator mode
Alert	Read	Read
Messages	Read	Read
Status	Read	Read
Toner	Read	Read
Input Tray	Read	Read
Output Tray	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

- Counter per User

Guest mode	Administrator mode
None	Read/Modify

- Display Eco-friendly Counter

Menu	Guest mode	Administrator mode
Eco-friendly Counter	None	Read/Modify

- Job

Menu	Guest mode	Administrator mode
Job List	Read	Read/Modify
Printer	Read	Read/Modify
Document Server	Read/Modify	Read/Modify

- Inquiry

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

Device Management

- Configuration

Device Settings

Menu	Guest mode	Administrator mode
System	Read	Read/Modify
Function Key Allocation/ Function Priority	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
Email	Read	Read/Modify

Menu	Guest mode	Administrator mode
Auto Email Notification	None	Read/Modify
On-demand Email 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
Print Volume Use Limitation	None	Read/Modify [*1]
LDAP Server	None	Read/Modify
Firmware Update	None	Read/Modify
Kerberos Authentication	None	Read/Modify
Device Setting Information: Import Setting (Server)	None	Read/Modify
Import Test	None	Read/Modify
Import/Export Device Setting Information	None	Read/Modify
Eco-friendly Counter Period/ Administrator Message	Read	Read/Modify
Compulsory Security Stamp	None	Read/Modify
Unauthorized Copy Prevention: Printer	Read	Read/Modify
Program/Change USB Device List	Read	Read/Modify

*1 This setting is available only when user authentication is activated.

Printer

Menu	Guest mode	Administrator mode
Basic Settings	Read	Read/Modify
Tray Parameters (PCL)	None	Read/Modify
Tray Parameters (PS)	None	Read/Modify
PDF Temporary Password	Modify	None
PDF Group Password	None	Modify
PDF Fixed Password	None	Modify
Virtual Printer Settings	Read	Read/Modify
Permissions for Printer Language to Operate File System	Read	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
IPP Authentication	None	Read/Modify
SSL/TLS	None	Read/Modify
ssh	Read	Read/Modify
Site Certificate	None	Read/Modify
Device Certificate	None	Read/Modify
S/MIME	None	Read/Modify
IPsec	None	Read/Modify
User Lockout Policy	None	Read/Modify
IEEE 802.1X	None	Read/Modify
Extended Security	Read	Read/Modify

@Remote

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 [*1]	Read/Modify

  *1 Guest users' operation is limited to downloading a Help file.

Extended Feature Settings

Menu	Guest mode	Administrator mode
Startup Setting	None	Read/Modify
Extended Feature Info	Read	Read
Install	None	Read/Modify
Uninstall	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

• Address Book

Guest mode	Administrator mode
None	Read/Modify

• Main Power Off

Guest mode	Administrator mode
None	Modify

- Reset Printer Job

Guest mode	Administrator mode
None	Modify

- Reset the Machine

Guest mode	Administrator mode
None	Modify

- Device Home Management

Menu	Guest mode	Administrator mode
Edit Icons	Read	Read/Modify
Restore Default Icon Display	None	Modify
Home Screen Settings	Read	Read/Modify

- Screen Monitoring

Guest mode	Administrator mode
None	Read/Modify

Print job/Stored File

- Document Server

Guest mode	Administrator mode
Read/Modify	Read/Modify

- Printer: Print Jobs

Guest mode	Administrator mode
Read/Modify	Read/Modify

Convenient Links

Guest mode	Administrator mode
Read/Modify	Read/Modify

◆Note

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

Displaying Web Image Monitor Help

When using Help for the first time, clicking the Help button (? ②) makes the configuration screen appear, in which you can view Help in two different ways, as shown below:

Viewing Help on our website

You can view the latest Help information.

Downloading and Checking Help

You can download Help to your computer. As the Help URL, you can specify the path to the local file to view the Help without connecting to the Internet.

◆Note

- By clicking the Help button (?) 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. **Click the Help button (? ②).**
2. **In the [OS] list, select the operating system.**
3. **In the [Language] list, select the language.**
4. **Click [Download].**
5. **Download Help by following the instructions on the screen.**
6. **Store the downloaded compressed file in a given location, and then decompress the file.**

   To create a link for the Help button (? ②), 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 (? ②).

1. **Log in to Web Image Monitor in the administrator mode.**

2. **In the menu area, click [Configuration] on the [Device Management] menu.**

3. **Under "Webpage", click [Webpage].**

4. **In the [Set Help URL Target] box, enter the URL of the Help file.**

   If you saved the Help file to "\\Server_A\HELP\EN", enter "file: \\Server_A\HELP\". For example, if you saved the file to a Web server, and the URL of the index file 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 1 or 2 minutes, and then click [OK].**

🔽Note

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

3

Machine Status Notification by E-mail

Whenever a paper tray becomes empty or paper is jammed, an e-mail alert is issued to the registered addresses to notify the machine status.

For this notification, you can make the e-mail notification settings.

Notification timing and e-mail content can be set.

⭐**Important**

- **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 Email Notification**

  Machine status information is automatically sent to the preregistered e-mail address. Information items of your request and an e-mail address to receive the information must be specified in advance.

- **On-demand Email Notification**

  Machine status information is given as a reply to a request e-mail from the administrator.

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
- Duplex Unit Error
- Waste Toner Bottle is Full
- Waste Toner Bottle is Almost Full
- Add Staples
- Service Call Successful [1]
- Service has been called, but currently unavailable [1]

- Service Call Failed [1]
- Supply Call Successful [1]
- Supply Call Failed [1]
- Connection Error between Device and Server for Remote Diagnostics [1]
- Hole Punch Receptacle is Full
- Replacement Required Soon: Cleaning Web
- Confirm Firmware Update [1]
- File Storage Memory Full Soon
- Proxy Authentication Error [1]
- Replacement Required: Cleaning Web
- Waste Staple Receptacle is Full
- Device Access Violation
- Replacement Required: Unit
- Out of Binding Ring Combs
- Out of Binding Glue
- Waste Paper Receptacle is Full
- Binder Tray Error
- Toner Almost Empty (Remaining Level Selectable)
- Replacement Required: Cleaning Unit for Photoconductor Unit
- Replacement Required Soon: Cleaning Unit for Photoconductor Unit

[1] The information can be notified if the @Remote service is enabled and active.

1. **Log in to Web Image Monitor in administrator mode.**
2. **Click [Configuration] on the [Device Management] menu.**
3. **Click [Email] under "Device Settings".**
4. **Make the following settings:**

   - Administrator Email 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.
   - Auto Specify Sender Name: Choose whether or not to specify the sender name when sending e-mail.
   - Create Email Signature: Specify the signature appended to e-mails sent from the machine.
   - Items in the Reception column: Make the necessary settings for sending and receiving e-mails.
   - 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 Email Communication Port column: Configure the port to be used for access to the mail server.

- Items in the Email 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.**

Note

- For details about 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 details about the settings, see Web Image Monitor Help.

- For details about Web Image Monitor, see page 67 "Using Web Image Monitor".

Setting the Account for E-mail Notification

Before you use auto e-mail notification or on-demand e-mail notification, set up 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. **Click [Configuration] on the [Device Management] menu.**

3. **Click [Email] under "Device Settings".**

4. **Make the following settings in Email Notification Account:**

   - Email 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 Email Notification: Specify whether to use on-demand e-mail notification.

   - Email Notification User Name: Enter the specified user name for the e-mail account in "Email Notification E-mail Address".

   - Email Notification Password: Enter the specified password for the e-mail account in "Email Notification E-mail Address".

5. Click [OK].

6. Click [Logout].

7. Quit Web Image Monitor.

↓ Note

- The user name and e-mail address that are already registered as e-mail destination cannot be specified as the recipient of e-mail notification.

Mail Authentication

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

SMTP Authentication

Specify SMTP authentication.

When an e-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. Click [Configuration] on the [Device Management] menu.

3. Click [Email] under "Device Settings".

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.

   - Use Secure Connection (SSL): Enable or disable SSL.

   - SMTP Authentication: Enable or disable SMTP authentication.

   - SMTP Auth. Email 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: Specify 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

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

1. Log in to Web Image Monitor in administrator mode.

2. Click [Configuration] on the [Device Management] menu.

3. Click [Email] under "Device Settings".

4. Make the following settings in POP before SMTP column:

   • POP before SMTP: Enable or disable POP before SMTP.

   • POP Email 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.

Auto E-mail Notification

1. **Log in to Web Image Monitor in administrator mode.**

2. **Click [Configuration] on the [Device Management] menu.**

3. **Click [Auto Email Notification] under "Device Settings".**

   The dialog box for making notification settings appears.

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.**

❖ Note

- For details about Web Image Monitor, see page 67 "Using Web Image Monitor".

- For details about the settings, see Web Image Monitor Help.

Contents of Auto e-mail notification

If any of the errors specified in [Auto Email Notification] occurs, the machine sends an e-mail with the following subject:

"Device Alert Notification: XXXXX (description of the error that has occurred)"

The body of the e-mail contains the error details and protocol setting information of the machine. Clear the error according to the description.

If any of the following errors occurs, contact your service representative.

- Functional Problem: Plotter

- Error: Tray 1–8

- Functional Problem: Finisher

- Functional Problem: Stapler

- Functional Problem: Finisher Shift Tray

- Error: Option RAM

- Error: Address Book Data

- SD Card Authentication Failure

- Error: HDD Board

- Error: Ethernet Board

- Error: USB

- Error: Printer

The following is an example of the e-mail body:

Printer:

Cover Open

Details:

Low: Black Toner

Cover Open: Front Cover

Copier:

Cover Open

Details:

Low: Black Toner

Cover Open: Front Cover

Scanner:

Ready

Details:

Model Name: XXXXX

Device Name: XXXXX

Comment:

TCP/IP (Ethernet)

Host Name: xxxxx

Domain Name:

IPv4 Address: ***.***.***.***

TCP/IP (Ethernet)

IPv6:

Stateless Address1: ::/0

Stateless Address2: ::/0

Stateless Address3: ::/0

Stateless Address4: ::/0

Stateless Address5: ::/0

MAC Address

Ethernet: 00:00:*74:**:**:**

NetWare

Print Server Name: XXXXX

NDS Tree:

AppleTalk

Machine Name:

Zone Name:

SMB

Workgroup Name: WORKGROUP

Computer Name: XXXXX

Share Name: XXXXX

****

Device Page URL (Ethernet):

http://***.***.***.***/

Message_test

GTS

Notified Group: Name_Group

The contents of the e-mail body vary depending on the machine setting and machine type.

When the error is cleared, the machine sends an e-mail with the following subject:

"Device Recovery Report: XXXXX (description of the error that has been cleared)"

On-demand E-mail Notification

1. **Log in to Web Image Monitor in administrator mode.**
2. **Click [Configuration] on the [Device Management] menu.**
3. **Click [On-demand Email Notification] under "Device Settings.**

   The dialog box for making notification settings appears.

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.: Specify whether or not to allow accesses to the information such as the machine settings and status.
   - Items in the Receivable Email 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.**

↓Note

- For details about Web Image Monitor, see page 67 "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 Email 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

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

Note

- A mail message must be within 1 MB in size.
- E-mail may be incomplete if sent immediately after the machine is turned 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

⭐ **Important**

- 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

Follow the procedure below to use telnet.

⭐ **Important**

- Only one user at a time can log in to perform remote maintenance.

- If you are using Windows Vista/7/8/8.1, 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.

🔽 **Note**

- 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 those changes.

- When the network interface board is reset, the print job in print process will be printed. However, print jobs in queue will be canceled.

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.

Note

- 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 printing, make the setting "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 range.

- IPv6 mask ranges between 1 and 128 can be selected.

- Up to five access ranges can be specified. The entry is invalid if the target number is omitted.

- You cannot send print jobs, or access Web Image Monitor and diprint from a restricted IP address.

authfree

Use the "authfree" command to view and configure authfree parameters.

View settings

The following command displays the current authfree settings:

`msh> authfree`

IPv4/IPv6 configuration display

`msh> authfree "ID"`

IPv4 address configuration display

`msh> authfree "ID" range`

IPv6 address configuration display

`msh> authfree "ID" range6`

IPv6 address mask configuration display

`msh> authfree "ID" mask6`

IPv4 address configuration

`msh> authfree "ID" range_addr1 range_addr2`

IPv6 address configuration

`msh> authfree "ID" range6_addr1 range6_addr2`

IPv6 address mask configuration

`msh> authfree "ID" mask6_addr1 masklen`

Authentication exclusion control initialization

`msh> authfree flush`

Note

- Authentication exclusion control is displayed only when print job authentication exclusion is set.

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.

Interface	Interface configured
ether	Ethernet interface

➡️Note

- 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 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 up to 32 alphanumeric characters.

- If you do not specify a character string, the current setting is displayed.

Setting order of priority for each protocol

- msh> bonjour diprint [0–99]
- msh> bonjour lpr [0–99]
- msh> bonjour ipp [0–99]

You can specify the order of priority for "diprint", "lpr", and "ipp". Smaller numbers indicate higher priority.

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 many types of interface are installed, configure the interface that communicates with linklocal address.

Interface	Interface configured
ether	Ethernet interface

Setting IPP-SSL printing

`msh> bonjour ippport {ipp|ssl}`

- If IPP-SSL printing is set to {ssl}, the IPP port number will appear as 443, and IPP-SSL printing can be performed with higher security.
- If IPP-SSL printing is set to {ipp}, the IPP port number will appear as 631. Port 631 is the port for normal IPP printing.

devicename

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

View settings

```
msh> devicename
```

Printer name configuration

```
msh> devicename name "string"
```

- Enter a printer name up to 31 alphanumeric characters.

- Set single names for each printer.

Printer name initialization

```
msh> devicename clear name
```

- Reset the machine name to its default.

dhcp

Use the "dhcp" command to configure DHCP settings.

If you enable DHCP Option 204, you can simultaneously specify a number of the machine's network settings and printer settings. You can download the manual for DHCP Option 204 from manufacturer's website.

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.

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".

DHCP Option 204 configuration and display

Use the following command to display the current setting.

msh> dhcp 204

Use the following command to configure DHCP Option 204.

> msh> dhcp 204 {on|off}

dhcp6

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

View settings

The following command displays the current DHCPv6 settings.

msh> dhcp6

DHCPv6 configuration and display

> msh> dhcp6 {ether} {on|off}

Viewing and specifying operation mode for parameter acquisition

> msh> dhcp6 mode {router|dhcpv6|dhcpv6lite}

Viewing and specifying the ID for the IPv6 address

> msh> dhcp6 iaid {0-4294967295}

- A value entered here ranges from 0 to 4294967295.

Viewing and specifying RFC compliant/noncompliant domain name

> msh> dhcp6 encode rfc {on|off}

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}
```

diprint

The direct printing port enables direct printing from a network-connected computer.

Use the "diprint" command to change direct printing port settings.

View settings

The following command displays the current direct printing port settings:

```
msh> diprint
```

Example output:

```
port 9100
timeout=300(sec)
bidirect on
conn multi
apl async
```

- The "port" specifies the port number of the direct printing port.
- The "bidirect" setting indicates whether the direct printing port is bidirectional or not.

Bidirectional communication settings

```
msh> diprint bidirect {on|off}
```

- The default is "on".

Setting timeout

```
msh> diprint timeout [30-65535]
```

- You can specify the timeout interval to use when the machine is expecting data from the network.
- The default is 300 seconds.
- This command functions in conjunction with the "lpr" command.

Specifying the number of concurrent connections

```
msh> diprint conn {multi|single}
```

- The above command specifies the number of concurrent diprint connections. Specify "multi" for multiple connections or "single" for a single connection.

• The default is "multi".

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 an 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 an IPv6 DNS Server address.

• You can select an ID number between 1 and 3. You can select up to three ID numbers.

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

Specifying the record overlap operation

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.

Registering AAAA record as DNS client when DDNS function is enabled and DHCPv6 is set

dns aaaarecord [dhcpv6|own]

• dhcpv6: DHCPv6 server registers AAAA record as DNS client instead of the machine.

• own: Machine registers AAAA record as DNS client.

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}

• This appears during dual stacking only.

domainname

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

You can configure the Ethernet interface.

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 up to 63 alphanumeric characters.

Interface	Interface configured
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_100|auto_1000|10f|10h|100f|100h}
```

- Auto_100=Auto 100 Select
- Auto_1000=Auto 1000 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_100".

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 printer name.

View settings

```
msh> hostname
```

IPv4 Configuration

```
msh> hostname "interface_name" "printer_name"
```

- Enter the printer name up to 63 alphanumeric characters.
- You cannot use a printer name beginning "RNP" (in either upper or lower case).

Interface name	Interface configured
ether	Ethernet interface

Initializing the printer name for each interface

```
msh>hostname "interface_name" clear name
```

http

Use the "http" command to view and configure the http parameters.

View settings

```
msh> http
```

HTTP Keep-Alive configuration

```
msh> http keepalive {on|off}
```

HTTP Keep-Alive timeout configuration

```
msh> http keepalive_timeout [1-255]
```

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"
```

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 a prefix length of 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
```

🔽 **Note**

- To get the above addresses, contact your network administrator.

- Use the default configuration if you cannot obtain setting addresses.

- Use "0x" as the initial two letters of a hexadecimal address.

info

Use the "info" command to display the printer information such as the paper trays, output trays, and printer languages.

Printer information display

    msh> info

🔸Note

- For details about printer information messages, see page 128 "Getting Machine Information over the Network".

ipp

Use the "ipp" command to view and configure the IPP settings.

View settings

The following command displays the current IPP settings:

    msh> ipp

IPP timeout configuration

Specify how many seconds the computer waits before canceling an interrupted print job. The time can be entered between 30 and 65535 seconds.

    msh> ipp timeout [30-65535]

IPP user authentication configuration

Use IPP user authentication to restrict users to print with IPP. The default is "off".

    msh> ipp auth {off|digest|basic}

- User authentication settings are "basic" and "digest".

- If user authentication is specified, register a user name. You can register up to 10 users.

IPP user name configuration

Configure IPP users according to the following messages:

    msh> ipp user

The following message appears:

    Input user number (1 to 10):

Enter the number, user name, and password.

```
IPP user name:user1
```

```
IPP password :*******
```

After configuring the settings, the following message appears:

```
IPP configuration changed.
```

ipsec

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

View settings

The following command displays the current IPsec settings:

```
msh> ipsec
```

Note

- For details about displayed contents, see Security Guide.

ipv6

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

View Setting

```
msh> ipv6
```

IPv6 stateless address

```
msh> ipv6 stateless {on|off}
```

If "on" is selected, IPv6 requests information required for maintaining stateful connection to the router for as long as the machine power is turned on. This setting allows information from the router to be obtained constantly, and periodically refreshes the effective period of the stateless address.

logout

Use the "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]

lpr

Use the "lpr" command to view and configure the LPR settings.

View Setting

    `msh> lpr`

Checking host name when deleting the job

    `msh> lpr chkhost {on|off}`

- The default is "on".

If "on" is selected, you can only delete print jobs sent from the IP address of the host. If LPR is disabled, you can also delete print jobs sent from IP addresses other than that of the host.

Printer Error Detection Function

    `msh> lpr prnerrchk {on|off}`

- The default is "off".

If you set this to "on", the machine stops receiving data and will wait until the error is resolved before continuing to process a job.

netware

Use the "netware" command to view and configure the NetWare settings such as the print server name or file server name. The following commands are available only when an optional NetWare unit is installed.

NetWare Print Server Names

    `msh> netware pname "character string"`

- Enter the NetWare print server name up to 47 characters.

NetWare File Server Names

    `msh> netware fname "character string"`

- Enter the NetWare file server name up to 47 characters.

Encap type

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

Remote Printer Number

    `msh> netware rnum [0-254]`

- The default is 0.

Timeout

```
msh> netware timeout [3-255]
```

- The default is 15.

Print server mode

```
msh> netware mode pserver
```

```
msh> netware mode ps
```

Remote printer mode

```
msh> netware mode rprinter
```

```
msh> netware mode rp
```

NDS context name

```
msh> netware context "character string"
```

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 a new password.

- Reenter the new password to confirm it.

Changing the password of the administrators using the Supervisor

```
msh> passwd {Administrator ID}
```

- Enter a new password.

- Reenter the new password to confirm it.

🔽Note

- Be sure not to forget or lose the password.

- The password can be entered 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".

prnlog

Use the "prnlog" command to obtain printer log information.

Print logs display

```
msh> prnlog
```

- Display previous print jobs.

```
msh> prnlog "ID Number"
```

- Specify the ID number of the displayed print log information to display additional details about the print job.

❗Note

- For details about printer log information, see page 136 "Understanding the Displayed Information".

rhpp

Use the "rhpp" command to view and configure RHPP settings.

View settings

    msh> rhpp

Changing rhpp port number

    msh> rhpp port [1024-65535]

- The default is 59100.

Setting timeout

    msh> rhpp timeout [30-65535]

- The default is 300 seconds.

❗Note

- "RHPP" is an abbreviation of "Reliable Host Printing Protocol", which is the manufacturer-original printing protocol.

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"

- Add 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.

- You cannot register a record that uses "0000:0000:0000:0000:0000:0000:0000:0000" as its destination.

Deleting a specified IPv6 destination from routing table

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

- Specify the IPv6 address to destination and gateway.

Displaying 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`

Note

- 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
```

- This command is available only when an optional NetWare unit is installed.

```
msh> set smb
```

```
msh> set protocol
```

- When protocol is specified, information about TCP/IP, NetWare, and SMB appears.

```
msh> set lpr
```

```
msh> set lpr6
```

```
msh> set ftp
```

```
msh> set ftp6
```

```
msh> set rsh
```

```
msh> set rsh6
```

```
msh> set diprint
```

```
msh> set diprint6
```

```
msh> set web
```

```
msh> set snmp
```

```
msh> set ssl
```

```
msh> set ssl6
```

```
msh> set nrs
```

```
msh> set rfu
```

```
msh> set rfu6
```

```
msh> set ipp
```

```
msh> set ipp6
```

```
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 wsprn

msh> set wsscn

msh> set rhpp

msh> set rhpp6

msh> set lltd

msh> set llmnr

msh> set llmnrc

msh> set chttp
```

Configuration

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

```
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 lpr, ftp, rsh, diprint, web, snmp, ssl, ipp, 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 lpr6, ftp6, rsh6, diprint6, ssl6, ipp6, http6, bonjour6, wsdev6, and sftp6.

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

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

- This command is available only when an optional NetWare unit is installed.

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

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

```
msh> set lpr6 {up|down}
```

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

```
msh> set ftp6 {up|down}
```

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

```
msh> set rsh6 {up|down}
```

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

```
msh> set diprint6 {up|down}
```

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

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

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

```
msh> set ssl6 {up|down}
```

- If the Secured Sockets Layer (SSL, an encryption protocol) function is not available for the printer, 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 ipp {up|down}
```

```
msh> set ipp6 {up|down}
```

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

```
msh> set http6 {up|down}
```

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

```
msh> set bonjour6 {up|down}
```

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

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

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

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

```
msh> set sftp6 {up|down}
```

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

```
msh> set wsdev6 {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), WSD (Printer), and WSD (Scanner).

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

```
msh> set wsscn {up|down}
msh> set rhpp {up|down}
msh> set rhpp6 {up|down}
msh> set lltd {up|down}
msh> set llmnr {up|down}
msh> set llmnrc {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.

Note

- For details about network interface board configuration, see page 136 "Understanding the Displayed Information".

slp

Use "slp" command to view and configure the SLP settings.

```
msh> slp ttl "ttl_val[1-255]"
```

- This command is available only when an optional NetWare unit is installed.
- The default value of TTL is 1. A search is executed only within a local segment. If the router does not support multicast, the settings are not available even if the TTL value is increased.
- The acceptable TTL value is between 1 and 255.

smb

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

View settings

```
msh> smb
```

Computer name settings

```
msh> smb comp "computer name"
```

- Set a computer name up to 15 characters.

- Names beginning with "RNP" or "rnp" cannot be entered.

Working group name settings

```
msh> smb group "work group name"
```

- Set a workgroup name up to 15 characters.

Comment settings

```
msh> smb comment "comment"
```

- Set a comment 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
```

Priority port setting for SMB client communication

- To view the setting

  ```
  msh> smb client port
  ```

- To specify the priority port for SMB client communication

  ```
  msh> smb client port {139|445}
  ```

Authentication level for SMB client

- To view the setting

  ```
  msh> smb client auth
  ```

- To specify the authentication level for SMB client

  ```
  msh> smb client auth {0|1|2|3}
  ```

WSD browsing for SMB client

- To view the setting

  ```
  msh> smb client wsd
  ```

- To specify WSD browsing for SMB client

  ```
  msh> smb client wsd {on|off}
  ```

3

Write mode for SMB client

- To view the setting

  msh> smb client write

- To specify the write mode for SMB client

  msh> smb client write {sync|async}

Scan to SMB timeout for SMB client

- To view the setting

  msh> smb client timeout

- To specify the Scan to SMB timeout for SMB client

  msh> smb client timeout [10-255]

snmp

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

View settings

"IPX" is shown only when an optional NetWare unit is installed.

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 machine cannot be accessed from Device Manager NX or SmartDeviceMonitor for Client if "public" is not registered in numbers 1–10. If you change the machine's community name, change the connected computer's community name accordingly.

- The community name can be entered 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.

"IPX" is shown only when an optional NetWare unit is installed.

```
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

"IPX" is shown only when an optional NetWare unit is installed.

```
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

"IPX" is shown only when an optional NetWare unit is installed.

```
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 hosts without requiring a specific type of access.

- Enter a host address to deliver "trap" access type information.

- 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

"IPX" is shown only when an optional NetWare unit is installed.

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

Configuring a sending protocol for SNMP v3 TRAP

"IPX" is shown only when an optional NetWare unit is installed.

```
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 up to 32 alphanumeric characters.

Deleting an SNMP v3 TRAP user account

```
msh> snmp v3trap [1-5] clear account
```

Configuring an SNMP v3 authentication algorithm

```
msh> snmp v3auth algo {md5|sha1}
```

Configuring an SNMP v3 encryption algorithm

```
msh> snmp v3priv algo des/aes
```

Configuring SNMP v3 encryption

```
msh> snmp v3priv mode {auto|on}
```

- Set "auto" for automatic encryption configuration.

- If you select "on", plain-text communication becomes impossible - only encrypted communication is possible.

◆Note

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

sntp

The machine clock can be synchronized with an 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/IPv6 address of the NTP server.

```
msh> sntp server "IPv4/IPv6_address"
```

3

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 to "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.

◆Note

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

spoolsw

Use the "spoolsw" command to view and configure the Job Spool settings.

You can only specify diprint, trap, lpr, ipp, ftp, sftp, wsprn, and smb (TCP/IP) protocols.

The "spoolsw" command for configuring Job Spool settings is available only when the hard disk is installed.

View settings

> The Job Spool setting appears.
>
> msh> spoolsw

Job Spool setting

> msh> spoolsw spool {on|off}

- Specify "on" to enable Job Spool, or "off" to disable it.

Resetting Job spool setting

> msh> spoolsw clear job {on|off}

- When the machine power is turned off during job spooling, this determines whether to reprint the spooled job.

Protocol configuration

```
msh> spoolsw diprint {on|off}
```

```
msh> spoolsw lpr {on|off}
```

```
msh> spoolsw ipp {on|off}
```

```
msh> spoolsw smb {on|off}
```

```
msh> spoolsw ftp {on|off}
```

```
msh> spoolsw sftp {on|off}
```

```
msh> spoolsw wsprn {on|off}
```

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}
```

The default is "on".

SSH/SFTP communication port setting

```
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|2048|4096}]

The default key length is 2048.

Create an open key for SSH/SFTP communication.

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

The character string is blank.

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

If you do not create an open key with this command, the following error log is created in the system log.

sshd stop : no hostkeys available ERR:

Deleting open key for ssh/sftp communication

    msh> ssh delkey

Encryption algorithm setting for SSH/SFTP communication

    msh> ssh algorithm [{des|3des|aes128|aes192|aes256|blowfish|arcfour}]

↓Note

- If you do not specify a character string, current setting is displayed.

- ssh can be used only with sftp.

status

Use the "status" command to display the machine status.

View messages

    msh> status

↓Note

- For details about machine status, see page 128 "Getting Machine Information over the Network".

syslog

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

View message

```
msh> syslog
```

◆Note

- For details about the machine's system log, see page 145 "Message List".

upnp

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

Public URL display

```
msh> upnp url
```

Public URL configuration

```
msh> upnp url "string"
```

- Enter the URL string in the character string.

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 as the number corresponding 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} "IP 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 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), WSD (Printer), WSD (Scanner), and SSL settings.

View settings

```
msh> wsmfp
```

Comment settings

```
msh> wsmfp comments "comment"
```

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

Location configuration

```
mah> wsmfp location "location"
```

- If you do not specify a comment, the 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 (Printer) TCP port configuration

```
msh> wsmfp prnport "port_number"
```

- The Default is 53001.

WSD (Printer) timeout configuration

```
msh> wsmfp prntimeout [30-65535]
```

- The default is 900 seconds.

WSD (Scanner) TCP port configuration

```
msh> wsmfp scnport "port_number"
```

- The Default is 53002.

SSL configuration

```
msh> wsmfp ssl {on|off}
```

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.

Parameter	Value configured
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.
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".

3

Parameter	Value configured
clear {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.

Using 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.

⭐**Important**

- **If you change the machine's community name, change the connected computer's community name accordingly.**

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

Getting Machine Information over the Network

This section explains details of each item displayed in the machine status and information.

Current Machine Status

This section explains how you can check the machine's status and the items displayed. Depending on the options installed on the machine, some items might not be displayed.

- UNIX: Use the "stat" parameter and the "rsh", "rcp", "ftp", and "sftp" commands. "rsh" and "rcp" cannot be used in a Windows environment.

- telnet: Use the "status" command.

Messages	Description
Add staples (Booklet: Back)	The staple of booklet finisher (back) is exhausted.
Add staples (Booklet: Both)	The staple of booklet finisher is exhausted.
Add staples (Booklet: Front)	The staple of booklet finisher (front) is exhausted.
Adjusting Bind-glue Temperature	The machine is adjusting the binding glue temperature.
Adjusting...	The machine is initializing or calibrating.
Canceling Job...	The job is being reset.
Configuring...	Setting is being changed.
Cover Open: 2nd LCT Bridge Unit	Second LCT Bridge Unit Cover is open.
Cover Open: 2nd LCT Front L.	Second LCT Front Left Cover is open.
Cover Open: 2nd LCT Front R.	Second LCT Front Right Cover is open.
Cover Open: 3rd LCT Front L.	Third LCT Front Left Cover is open.
Cover Open: Binder Interposer	Perfect Binder Interposer unit is open.
Cover Open: Binder Interps Cver	Perfect Binder Interposer Cover is open.
Cover Open: Finisher Front	Finisher Front Cover is open.
Cover Open: Front Cover	The front cover is open.
Cover Open: Interposer Base	Interposer Base Cover is open.

Messages	Description
Cover Open: LCT Bridge Unit	LCT Bridge Unit Cover is open.
Cover Open: LCT Front Right	LCT Front Right Cover is open.
Cover Open: PerfectBinder Front	Perfect Binder Front Right Cover is open.
Cover Open: PerfectBinderL Tray	Perfect Binder Lower Left Tray is pulled out.
Cover Open: PerfectBinderR Tray	Perfect Binder Lower Right Tray is open.
Cover Open: Ring Binder Front	Ring Binder Front Right Cover or Ring Binder Front Left Cover is open.
Cover Open: Ring Binder Tray	Ring Binder Tray is pulled out.
Cover Open: Stacker Upper Cover	The Stacker Upper Cover is open.
Cover Open: Tray A	The Tray A slide cover is open.
Cover Open: Trimmer Front Cover	Trimmer Front Cover is open.
Cover Open: Wide LCT Front	Wide LCT Front Cover is open.
Cover Open: Wide LCT Front Left	Wide LCT Front Cover is open.
Cover Open:BufferPassUnit Front	The front cover of Buffer Pass Unit is open.
Cover Open:FoldUnit Front Cover	Folding Unit Front Cover is open.
Cover Open:Interposer Right	Interposer Right Cover is open.
Cover Open:Perfect Bndr. Top L.	The upper cover of Perfect Binder Interposer Upper Tray is open.
Cover Open:Second Stacker Front	The Second Stacker Upper Cover is open.
Cover/Tray not Set: 2nd Stacker	Second Stacker Front Cover is open, or the carriage of Second Stacker is pulled out, or the down button of Stacker is pushed.
Cover/Tray not Set: Stacker	Stacker Front Cover is open, or the carriage of Stacker is pulled out, or the down button of Stacker is pushed.
Current Job Suspended	The current job is suspended.
Cvr. Open:Perfect Bindr. Bridge	Bridge Unit Front Cover is open.

3

Messages	Description
Empty: Black Toner	The black toner cartridge is almost empty.
Empty: Black Toner Cartridge	The black toner bottle is empty.
Empty: Cyan Toner	The cyan toner cartridge is almost empty.
Empty: Cyan Toner Cartridge	The cyan toner bottle is empty.
Empty: Magenta Toner	The magenta toner cartridge is almost empty.
Empty: Magenta Toner Cartridge	The magenta toner bottle is empty.
Empty: Yellow Toner	The yellow toner cartridge is almost empty.
Empty: Yellow Toner Cartridge	The yellow toner bottle is empty.
Energy Saver Mode	The machine is in Energy Saver mode.
Error: PDL	An error has occurred in the page description language.
Full: Comb Hole Punch Receptcl	Punch Chip receptacle for Ring Binder is full.
Full: Finisher Booklet Tray	Finisher Booklet Tray is full.
Full: Finisher Shift Tray	Finisher Shift Tray is full.
Full: Finisher Upper Tray	Finisher Upper Tray is full.
Full: Folding Unit Tray	Folding Unit Tray is full.
Full: Hole Punch Receptacle	Punch Chip receptacle for hole punch is full.
Full: Perfect Binder Low-L Tray	Perfect Binder Lower Left Tray is full.
Full: Ring Binder Tray	Ring Binder Tray is full.
Full: Second Stacker Tray	Second Stacker Tray is full.
Full: Stacker Tray	Stacker Tray is full.
Full: Stacker Upper Tray	Stacker Upper Tray is full.
Full: Trimmer Waste Paper Box	Waste Paper Receptacle is full.
Full: Waste Paper Receptacle	Perfect Binder Lower Right Tray is full.
Full: Waste Staples	The waste staples are full.

Messages	Description
Full: Waste Toner	Waste Toner Bottle is full.
Hex Dump Mode	It is a hex dump mode.
In Use: Finisher	Other function is using Finisher.
In Use: Folding Unit	Other function is using Folding Unit.
In Use: Input Tray	Other function is using the paper tray.
In Use: Perfect Binder	Other function is using Perfect Binder.
In Use: Ring Binder	Other function is using Ring Binder.
In Use: Staple Unit	Other function is using the staple unit.
Independent-supplier Toner	Toner cartridges other than genuine ones are set.
Jobs Suspended	All jobs are suspended.
Loading Toner...	Toner is being supplied.
Low Power Mode	The machine is in Low Power mode.
Low: Black Toner	The black toner cartridge is not set correctly, or toner is almost running out.
Low: Cyan Toner	The cyan toner cartridge is not set correctly, or toner is almost running out.
Low: Magenta Toner	The magenta toner cartridge is not set correctly, or toner is almost running out.
Low: Yellow Toner	The yellow toner cartridge is not set correctly, or toner is almost running out.
Malfunction: Booklet Processor	There is a problem with Booklet Processor.
Mismatch: Paper Size	Indicated paper tray does not contain paper of selected size.
Mismatch: Paper Size and Type	Indicated paper tray does not contain paper of selected size and type.
Mismatch: Paper Type	Indicated paper tray does not contain paper of selected type.

3

Messages	Description
Multiple Printing Sheet Feed	If multiple sheets are fed at the same time, the machine outputs the sheets from the nearest output tray and an alert message appears on the control panel.
Near Replenishing: Binding Glue	The binding glue of Perfect Binder is almost empty.
Nearly Full: Waste Toner	Waste Toner Bottle is nearly full.
Need more Staples	Stapler has almost run out of staples.
No Paper: Binder Interps L-tray	There is no paper in Perfect Binder Interposer Lower Tray.
No Paper: Binder Interps U-tray	There is no paper in Perfect Binder Interposer Upper Tray.
No Paper: Selected Tray	There is no paper in the specified tray.
Not Detected: Fuser Unit	The fusing unit is not correctly set.
Not Detected: Input Tray	There is no paper in the specified tray or the paper tray is not correctly set.
Not Detected: Tab Stock	The tab stock paper needs to be aligned to the original position.
Not Detected: WasteToner Bottle	Waste Toner Bottle is not correctly set.
Not Set Properly: BindRing Comb	An error occurs in Ring Binder due to one of the following: • The ring is set the wrong way. • The ring material size is not compatible. • The ring material is not compatible.
Offline	Machine is offline.
Paper in Duplex Unit	The paper remains in the duplex unit.
Paper in Finisher	The paper remains in Finisher.
Paper in Folding Unit	The paper remains in Folding Unit.
Paper in Second Stacker Tray	The paper remains in Second Stacker Tray.

Messages	Description
Paper in Stacker Tray	The paper remains in Stacker Tray.
Paper Misfeed: Buffer Pass Unit	The paper has jammed in.Buffer Pass Unit.
Paper Misfeed: Folding Unit	The paper has jammed in Folding Unit.
Paper Misfeed: Input Tray	The paper has jammed in the paper tray.
Paper Misfeed: Internal Tray	The paper has jammed in the internal paper feed section.
Paper Misfeed: Interposer	The paper has jammed in the interposer or twin interposer.
Paper Misfeed: Perfect Binder	The paper has jammed in Perfect Binder
Paper Misfeed: Ring Binder	The paper has jammed in Ring Binder.
Paper Misfeed: Second Stacker	The paper has jammed in Second Stacker.
Paper Misfeed: Stacker	The paper has jammed in Stacker.
Paper Misfeed: Trimmer	The paper has jammed in Trimmer.
Paper Misfeed:Booklet Processor	The paper has jammed in Booklet Processor.
Paper on Middle Stacker	The paper remains in Middle Stacker.
Paper on Ring Bind Aligner Tray	The paper remains in Aligner Tray.
Perfect Binding in process	Perfect Binder is outputting.
Printing...	Printing is in progress.
Ready	The machine is ready to print.
Renewing Remote Certificate	The remote certificate is being renewed.
Replenish Binding Glue	The binding glue of Perfect Binder is empty.
Replenish Binding Ring Combs	The Ring Binder has run out of the ring.
Suspend / Resume Key Error	The stop button of the finisher was pressed.
Tray Error: Chaptering	The paper feed tray specification error has occurred because chaptering as well as the normal paper use the same tray for printing.

3

Messages	Description
Tray Error: Duplex Printing	Selected paper tray cannot be used for duplex printing.
Warming Up...	The machine is warming up.

Note

- Check the error contents that may be printed in the configuration page.

Printer Configuration

You can check the machine configuration using telnet.

This section explains the checking procedure for input/output trays and printer language.

- UNIX: Use the "info" parameter and the "rsh", "rcp", "ftp", and "sftp" commands. "rsh" and "rcp" cannot be used in a Windows environment.

- telnet: Use the "info" command.

Input Tray

Item	Description
No.	ID number of the paper tray
Name	Name of the paper tray
Paper Size	Size of paper loaded in the paper tray
Status	Current status of the paper tray • Normal: Normal • NoInputTray: No tray • PaperEnd: No paper

Output Tray

Item	Description
No.	ID number of the output tray
Name	Name of the output tray

Item	Description
Status	Current status of the output tray • Normal: Normal • PaperExist: Paper exists • OverFlow: Paper is full • Error: Other errors

Printer Language

Item	Description
No.	ID number of the printer language used by the machine
Name	Name of the printer language used in the machine
Version	Version of the printer language

Understanding the Displayed Information

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

Print Job Information

Use the following commands to display print job information:

- UNIX: Use the "stat" parameter and the "rsh", "rcp", "ftp", and "sftp" commands. "rsh" and "rcp" cannot be used in a Windows environment.

- telnet: Use the "status" command.

Item	Description

Rank	Print job status.
	
	• Active
	
	  Printing or preparing for printing.
	
	• 1st, 2nd, 3rd, 4th...
	
	  Print data are waiting to be transferred to the machine.

Owner	Print request user name.
Job	Print request number.
Files	The name of the document.
Total Size	The size of the data (spooled). The default is 0 bytes.

Print Log Information

This is a record of the most recent jobs printed.

Use the following command to display print log information:

- UNIX: Use the "prnlog" parameter and the "rsh", "rcp", "ftp", and "sftp" commands.

- telnet : Use the "prnlog" command.

Item	Description
ID	Print request ID.

Item	Description
User	Print request user name.
Page	Number of pages printed
Result	Print Request Result Communication Result • Finished Print was completed normally. However, the print result may not be as required due to printer problems. • Failed Printing was not completed normally. • Canceled An "rcp", "rsh", or "lpr" command print request was canceled, possibly due to the printing application. Not applicable to the "ftp" or "rprinter" command.
Time	Time the print requested was received.
User ID (when designating Job ID on telnet)	Printer driver-configured User ID. Appears when the print request ID is specified.
JobName (when designating Job ID on telnet)	Name of the document for printing Appears when the print request ID is specified.

Configuring the Network Interface Board

Use the following command to display network interface board settings:

• telnet : Use the "show" command.

The following items may not be displayed depending on the implementation of applications and optional items.

Common

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

• Mode

• Protocol Up/Down

   IPv4, IPv6, IPsec, NetWare, SMB

- Ethernet interface

- Syslog priority

- NVRAM version

- Device name

- Comment

- Location

- Contact

- Soft switch

TCP/IP

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

- Mode (IPv4)

- Mode (IPv6)

  ftp[*1], lpr[*1], rsh[*1], diprint[*1], web, http[*1], ftpc, snmp, ipp[*1], autonet, Bonjour[*1], ssl[*1], nrs, rfu[*1], nbt, ssdp, ssh, sftp[*1], WSD (Device)[*1][*2], WSD (Printer), WSD (Scanner), rhpp[*1], llmnr, llmnrc, chttp

- IPv4

  DHCP, Address, Netmask, Broadcast, Gateway

- IPv6

  Stateless, Manual, Gateway, DHCPv6, Mode, DUID, IAID, Encode RFC, Previous Lease Address

- IPsec

  aggressive_mode, Excluded Protocol[*3] (https, dns, dhcp, wins)

- EncapType[*4]

- Host name

- DNS Domain

- Access Control

  IPv4: Access Entry [1]–[5]

  IPv6: Access Entry[*5] [1]–[5]

- SNTP Server[*6][*7]

- Time Zone[*6]

- SNTP Server polling time[*6]

- SYSLOG server

- Home page URL1

- Home page link name1

- Home page URL2

- Home page link name2

- Help page URL

- RHPP Port

- RHPP timeout

- HTTP Keep –Alive

- HTTP Keep -Alive timeout

- CHTTP Keep-Alive

- CHTTP Keep-Alive timeout

- CHTTP max session

*1   Either of the following items is displayed:

  - IPv4:Up, IPv6:Up => Up (IPv4/IPv6)

  - IPv4:Up, IPv6:Down => Up (IPv4)

  - IPv4:Down, IPv6:Up => Up (IPv6)

  - IPv4:Down, IPv6:Down => Down

*2   If both IPv4 and IPv6 are enabled, "Up (IPv4/IPv6)" is displayed for " WSD(Device):". However, it
     works only with IPv4, not with IPv6. If IPv4 and IPv6 under "Protocol Up/Down" in "Common" are
     Down and Up respectively, "Up (IPv4/IPv6)" may be displayed for "WSD(Device):". However, it does
     not work with IPv6.

*3   On/Off will be displayed for each protocol that is excluded.

*4   Either of the following items is displayed. IPX is displayed only if an optional NetWare unit is installed:

  - IPv4:Up, IPv6:Up, IPX:Up => IPv4 IPv6 IPX

  - IPv4:Up, IPv6:Up, IPX:Down => IPv4 IPv6

  - IPv4:Up, IPv6:Down, IPX:Up => IPv4 IPX

  - IPv4:Down,IPv6:Up, IPX:Up => IPv6 IPX

  - IPv4:Up, IPv6:Down, IPX:Down => IPv4

  - IPv4:Down, IPv6:Up , IPX:Down => IPv6

  - IPv4:Down, IPv6:Down, IPX:Up => IPX

*5   If IPv6 addresses that are excluded from Printer Job Authentication are specified by range, the starting
     and ending addresses are displayed for "AuthFree Entry". If such IPv6 addresses are specified by mask
     length, the base IP address and mask are displayed for "AuthFree Entry".

*6   Items related to the time server are displayed only when the Machine Administrator account is logged
     in to the machine. In this case, the items under "TCP/IP:" are also displayed.

*7   Either the NTP address or NTP server name is displayed for "SNTP Server".

NetWare

The following items are displayed:

- EncapType
- RPRINTER number
- Print server name
- File server name
- Context name
- Switch

    Mode, NDS/Bindery, Packet negotiation, Login Mode

- Print job timeout
- Protocol
- 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
- Client WSD browse
- Client write mode
- Client timeout

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[*1]

    *1   This item is displayed only when both IPv4 and IPv6 are enabled.

Domain name

The following item is displayed:

- ether

DDNS

The following item is displayed:

- ether

WINS

The following item is displayed:

- ether

    Primary WINS, Secondary WINS

SSDP

The following items are displayed:

- UUID

- Profile

- TTL

UPnP

The following item is displayed:

- URL

Bonjour

The following items are displayed:

- Computer Name (cname)

- Local Hostname (ether)

- Location

- Priority (diprint)

- Priority (lpr)

- Priority (ipp)

- IP TTL

- LinkLocal Route for Multi I/F

- IPP Port

SNMP

The following items are displayed:

- SNMPv1v2

- SNMPv3

- protocol[*1]

- v1Trap

- v2Trap

- v3Trap

- SNMPv1v2 Remote Setting

- SNMPv3 Privacy

*1 Either of the following items is displayed. IPX is displayed only if an optional NetWare unit is installed:

- IPv4:Up, IPv6:Up, IPX:Up => IPv4 IPv6 IPX

- IPv4:Up, IPv6:Up, IPX:Down => IPv4 IPv6

- IPv4:Up, IPv6:Down, IPX:Up => IPv4 IPX

- IPv4:Down,IPv6:Up, IPX:Up => IPv6 IPX

- IPv4:Up, IPv6:Down, IPX:Down => IPv4

- IPv4:Down, IPv6:Up , IPX:Down => IPv6

- IPv4:Down, IPv6:Down, IPX:Up => IPX

ssh

The following items are displayed:

- Compression

- Port

- TimeOut

- LoginTimeOut

AuthFree[*1]

The following items are displayed:

- IPv4

    AuthFree Entry [1]–[5]

- IPv6

    AuthFree Entry[*2] [1]–[5]

*1 This item is displayed only when the following 3 conditions are met: user authentication is activated, Printer Job Authentication is set to "Simple (Limitation)", and also when the Machine Administrator account is logged in to the machine.

*2 If IPv6 addresses that are excluded from Printer Job Authentication are specified by range, the starting and ending addresses are displayed for "AuthFree Entry". If such IPv6 addresses are specified by mask length, the base IP address and mask are displayed for "AuthFree Entry".

LPR

The following items are displayed:

- lprm check host
- lpr prnerrchk

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 (Printer) TCP Port
- WSD (Printer) Job Timeout
- WSD (Scanner)/DSM TCP Port
- SSL /TLS
- 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 commands 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
Access to NetWare server <file server name> denied. Either there is no account for this print server on the NetWare server on the password was incorrect.	Login to the file server failed when the print server was online. Make sure the print server is registered in <file server name>. If a password is specified for the print server, delete the password.
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.
account is unavailable: same account name be used.	User account is disabled. This could be because it uses 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.
add_sess_IPv4: bad trap addr: <IPv4 address>, community: <community name>	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_IPv4: community <community name> already defined.	The same community name already exists. Use another community name.
add_sess_IPv6: bad trap addr: <IPv6 address>, community: <community name>	The IPv6 address [::] is unavailable when the community access type is TRAP. Specify the host IPv6 address for the TRAP destination.

Message	Problem and solutions
add_sess_IPv6: community <community name> already defined.	The same community name already exists. Use another community name.
add_sess_IPX: bad trap addr: <IPX address> community <community name>	The IPX address (00:00:00:00:00:00) is unavailable when the community access type is TRAP. Specify the host IPX address for the TRAP destination.
add_sess_IPX: community <community name> already defined.	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>	Connection to the file server as the nearest server has been established.
Attach to print queue <print queue name>	The system connects to the print queue when the print server goes online.
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 service or sales representative.
Connected DHCP server <DHCP server address>	The IP address was successfully received from the DHCP server.
Connected DHCPv6 server <IPv6 address>	The IP address was successfully received from the DHCPv6 server.
connection from <IP address>	A user logged in from the host <IP address>.
Could not attach to FileServer <error number>	Connection to the file server could not be established when the remote printer went online. The file server refused the connection for unknown reason. Check the file server's configuration.

Message	Problem and solutions
Could not attach to PServer <print server>	Connection to the print server has not been established when the remote printer is turned on. The print server has refused the connection. Check the print server configuration.
Current Interface Speed: xxx Mbps	Speed of the network (10Mbps, 100 Mbps, or 1Gbps).
Current IP address (<current IP address>)	The IP address <current IP address> was acquired from the DHCP server.
Current IPX address <IPX address>	The current IP address is <IPX address>.
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.
DHCPv 6 address LeaseTime expired	The lease time of DHCPv6 address has expired. Obtain IPv6 address from DHCPv6 server again. The IPv6 address you have been using is no longer available. Make sure that the DHCPv6 is on the network.

3

Message	Problem and solutions
DHCPv 6 address not leased (StatusCode = <status code>)	For some reason, IPv6 address cannot be obtained from DHCPv6 server. Check the status code description. <StatusCode>: This indicates the status of DHCPv6 message or option. The followings are the status codes when an error occurs. UnspecFail(1): This indicates unknown reason error. This may appear when inappropriate option is included in a message. NoAddrsAvail(2): This indicates that allocated IPv6 address does not exist. NoBinding(3): This indicates that specified IPv6 address does not exist in designated IPv6 addresses. NotOnLink(4): This indicates that specified prefix length for IPv6 address is invalid. UseMulticast(5): This indicates that message needs to be sent using multicast.
DHCPv 6 address RenewTime =<renew time>(sec), LeaseTime =<lease time>(sec)	The time taken to require renewal of IPv6 address obtained from the DHCPv6 server is displayed in [renew time] in seconds. The expire time received from the DHCPv6 server is displayed in [lease time] in seconds. When lease time elapses, the IPv6 address you have been using is no longer available.
DHCPv 6 client started	DHCPv6 client has started.
DHCPv 6 client terminated	DHCPv6 client has terminated.
DHCPv 6 Parameter RefreshTime = <renew time>(sec)	The time taken to require renewal of parameter obtained from the DHCPv6 server is displayed in [renew time] in seconds. Parameter is the information such as DNS server address and DNS search path other than DHCPv6 address.
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>).	A conflicting IPv4 or IPv6 address was used. Each IPv4 or IPv6 address must be unique. Check the device address in [MAC address].
Established SPX Connection with PServer, (RPSocket=<socket number>, connID=<connection ID>)	Connection to the print server was established when the remote printer went online.
Exit pserver	(In the print server mode) The print server function is disabled because the necessary print server settings have not been made.
exiting	The LPD service has completed and the process is exiting.
Frametype=<frametype name>	The specified frame type name <frame type name> is for NetWare use.
httpd start.	The httpd has started.
(IKE phase-1) mismatched authentication type: local=<authentication type 1> remote=<authentication type 2>	This machine's <authentication type 1> in IKE phase 1 does not match the communicating host's <authentication type 2>. Make sure this machine's ISAKMP SA authentication type matches that of the communicating host.
(IKE phase-1) mismatched encryption type: local=<encryption algorithm 1> remote=<encryption algorithm 2>	This machine's ISAKMP SA Oakley group <encryption algorithm 1> 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.
(IKE phase-1) mismatched DH group: local=<DH group number 1> remote=<DH group number 2>	This machine's ISAKMP SA Oakley group <DH group number 1> in IKE phase 1 does not match the communicating host's ISAKMP SA Oakley group <DH group number 2>. Make sure this machine's ISAKMP SA Oakley group matches that of the communicating host.

3

Message	Problem and solutions
(IKE phase-1) mismatched hash type: local=<Hash Algorithm 1> remote=<Hash Algorithm 2>	This machine's ISAKMP SA <Hash Algorithm 1> in IKE phase 1 does not match the communicating host's ISAKMP SA <Hash Algorithm 2>. Make sure this machine's ISAKMP SA Hash Algorithm matches that of the communicating host.
IKE [% s] is disable, set PSK text.	The specified IKE entry is invalid. Enter the PSK text.
inetd start.	The inetd service has started.
Interface (interface name): Duplicate IP Address (<IP address>).	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].
< 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 are used with another device.
IPP cancel -job: permission denied.	The spooled job was canceled due to error or user request.
IPP job canceled. jobid=%d.	The spooled job was canceled due to error or user request.
job canceled. jobid=< job ID >	The spooled job was canceled due to error or user request.
LeaseTime=<lease time>(sec), RenewTime=<renew time>(sec).	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.
Login to fileserver <file server name> (<IPX|IP>), <NDS|BINDERY>	When the print server was online, the system logged in to <file server> in NDS or BINDERY mode. The transfer protocol in use is also displayed.
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.

Message	Problem and solutions
Memory allocate error.	Memory cannot be obtained. Disconnect the USB cable, and then connect it.
Name registration failed. name=<NetBIOS name>	Name registration of <NetBIOS Name> failed. Change to a different NetBIOS name.
Name registration success in Broadcast name=<NetBIOS name>	Name registration by <NetBIOS Name> broadcast was successful.
Name registration success. WINS server=<WINS server address> NetBIOS Name=<NetBIOS name>	Name registration of <NetBIOS Name> to <WINS server address> was successful.
nbtd start.	The nbtd (NetBIOS over TCP/IP Daemon) has started.
npriter start. (NetWare)	(In the remote printer mode) The NetWare service has started.
nwstart start. (NetWare)	The NetWare protocol stack setup server has started.
Open log file <file name>	The specified log file was opened when the print server was online.
permission denied.	When canceling a job, it was determined after checking the user name and host address that the user's privileges were insufficient. (Does not apply to root privileges.)
Print queue <print queue name> cannot be serviced by printer 0, <print server name>	The print queue cannot be established when the print server is online. Make sure that the print queue exists on the specified file server.
Print server <print server name> has no printer	The printer was not assigned to the print server when the print server was online. Use the NetWare administrator account to assign the printer, and then restart the printer.
print sessions full	No more print jobs can be accepted. Wait a while before sending any more print jobs.

3

Message	Problem and solutions
Printer <printer name> has no queue	The print queue is not assigned to the printer when the print server was online. Assign the print queue to the printer using the NetWare administrator account, and then restart the printer.
pserver start. (NetWare)	NetWare service has started in print server mode at the print server operation.
Required file server (<file server name>) not found	The required file server <file server name> could not be found.
restarted.	The LPD has started.
sap enable. saptype=<SAP type>, sapname=<SAP name>	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.	The requested community name is not defined.
session_IPv6 <community name> not defined.	The requested community name is not defined.
session_IPX <community name> not defined.	The requested community name is not defined.
Set context to <NDS context name>	The NDS context name <NDS context name> has been set.
shutdown signal received. network service rebooting...	The smbd service has started.
smbd start. (NetBIOS)	SMBD (Server Message Block Daemon) has been started.

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: 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: 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. • An incorrect DNS server is specified. • The specified SMTP server IP address could not be found in the DNS server.

Message	Problem and solutions
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.
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: 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 IPv 4 over 1394 is ready.	Communication over IPv4 over 1394 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 direct printing service has started.
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.

Message	Problem and solutions
The print server received error <error number> during attempt to log in to the network. Access to the network was denied. Verify that the print server name and password are correct.	Login to the file server failed when the print server was online. The print server is not registered or a password is specified. Register the print server without specifying a password.
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.
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.
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>	The scope ID is invalid. Use a valid scope ID.
write error occurred. (diskfull)	A "diskfull" error occurred while the machine was writing to the spool file. Wait for the current print job to finish. When it finishes, more HDD space will be available. Only pages that were spooled when the error occurred will be printed.
write error occurred. (fatal)	A "fatal" error occurred while the machine was writing to the spool file. Wait for the current print job to finish. When it finishes, more HDD space will be available. Only pages that were spooled when the error occurred will be printed.
WSD (Device) started.	WSD (Device) has started.
WSD (Printer) started.	WSD (Printer) has started.
WSD (Scanner) started.	WSD (Scanner) has started.

3

3

4. Registering Addresses and Users

This chapter describes how to register destinations and users in the Address Book.

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 page 43 "Administrator Tools".

⭐**Important**
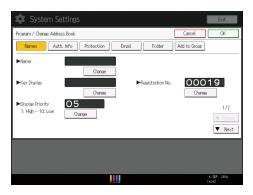
- Address Book data is stored on the hard disk. It can be lost if there is some kind of hard disk failure.
- The manufacturer shall not be held responsible for any damages resulting in data loss.
- If the Extended Security function is enabled, you may not send files by manually entering e-mail addresses or folder destinations in the Scanner function. Users are only allowed to send files to destinations registered in the Address Book.
- If the Extended Security function is enabled, the machine may prevent general users from registering destination addresses in the Address Book.

You can register and manage the following items in the Address Book:

Names
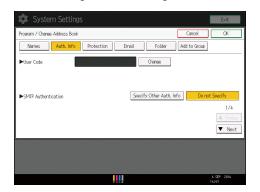
You can register the name of the user and the key display. This is the basic information required for managing users of the machine.

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 to restrict particular functions to certain users, and to monitor users' usage 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.
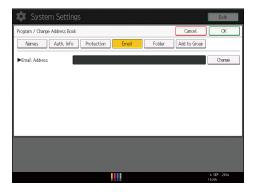
Protection

You can set protection codes to stop senders' names from being used or folders from being accessed without authorization.

Email

You can register e-mail destinations in the Address Book.

Folder

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

- SMB

- FTP

- NCP

NCP is available only when an optional NetWare unit is installed.

Add to Group

You can put registered e-mail and folder destinations into a group for easier management.

Note

- You can also use Web Image Monitor to register names in the Address Book.
- For details about using Web Image Monitor, see Web Image Monitor Help.
- Using Web Image Monitor, you can backup Address Book data. We recommend backing up data when using the Address Book. For details, 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.

Note

- For details, see page 162 "Registering User Information".

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 address is automatically entered in the "From" field of an e-mail header.

Note

- For details, see page 174 "E-mail Destination".

Sending Scanned Files to a Shared Folder Directly

After registering a path name, user name, and password, you can access a shared folder by selecting the destination shown on the initial scanner display whenever sending files using the scanner function.

To share a folder using Windows, select the SMB protocol.

To register a folder to the FTP server, select the FTP protocol.

To register a folder to the NetWare server, select the NCP protocol.

↓Note

- For details, see page 179 "Registering Folders".

Preventing Unauthorized User Access to Shared Folders from the Machine

After registering a protection code, you can specify the object of protection to prevent an e-mail destination from being used without permission.

You can prevent unauthorized access to registered folders.

↓Note

- For details, see page 202 "Registering a Protection Code".

Managing Users and Machine Usage

Register user codes to limit and monitor users' usage of the following functions:

- Copier
- Printer
- Document Server
- Scanner

↓Note

- For details, see page 167 "Authentication Information".

Registering User Information

Register user information including their names.

Registering user information is useful for selecting a destination when sending e-mails.

You can also use the information for selecting a folder destination.

You can register up to 2000 names.

Registering Names

This section describes how to register names.
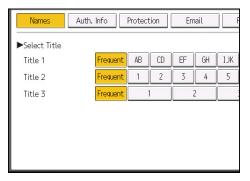
1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖵 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Press [New Program].**

4. **Press [Change] under "Name".**

   The name entry display appears.

5. **Enter the name, and then press [OK].**

6. **Press [▼Next].**

7. **Press the key for the classification you want to use under "Select Title".**

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 key for each title.

8. Press [OK].

9. Press the [User Tools] key.

Note

- Registered names can be used for documents in the Document Server. For details about the Document Server, see "Document Server", Copy/ Document Server.

Changing a Registered Name

1. Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.

   If the [Address Book Management] icon does not appear, press the [icon] icon at the upper right corner of the screen to switch to the [Home] screen.

2. Check that [Program / Change] is selected.

3. 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, folder name, or e-mail address.

4. To change the name or key display, press [Change] under "Name" or "Key Display".

5. Enter the name or key display, and then press [OK].

6. To change the registration number, press [Change] under "Registration No.".

7. Enter a new registration number using the number keys, and then press the [#] key.

8. To change the display priority, press [Change] under "Display Priority".

9. Enter a priority number using the number keys, and then press the [#] key.

10. To change the title, press [▼Next], and then press the key for the classification you want to use from "Select Title".

11. Press [OK].

12. Press the [User Tools] key.
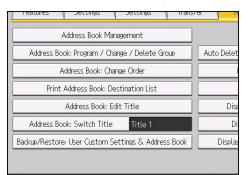
Changing Order of Registered Names

This section describes how to change the display order of registered names.

1. Press the [User Tools] key.

2. Press [System Settings].

3. Press [Administrator Tools].

4. **Press [Address Book: Change Order].**
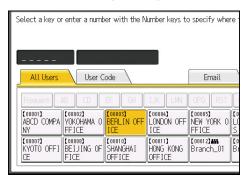
5. **Press the name key to be moved.**

You can also select a name using the number keys.

You can rearrange the order of names on the same tab, but names cannot be moved across different tabs. For example, you cannot move a name registered under the [Frequent] tab to the [AB] tab.

6. **Press the name key of the position to which you want to move the other name key.**

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

If you move the selected user key forward, the user key originally located at the selected position is moved backward.

If you move the selected user key backward, the user key originally located at the selected position is moved forward.
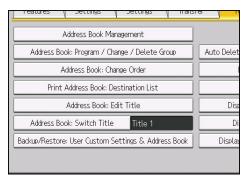
You can also select a name using the number keys.

7. **Press [Exit].**

8. **Press the [User Tools] key.**

Editing Titles

This section describes how to edit titles.

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.**

```
Select title to edit.

▶Title 1    Frequent  AB   CD   EF   GH   IJK  L

▶Title 2    Frequent   1    2    3    4    5

▶Title 3    Frequent     1        2        3
```

6. **Enter the new title, and then press [OK].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

Deleting a Registered Name

This section describes how to delete a name.

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the [icon] icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Press [Delete].**

3. **Select the name you want to delete.**

   Press the name key, or enter the registered number using the number keys.

4. **Press [Yes].**

5. **Press the [User Tools] key.**

Authentication Information

⭐ **Important**

- 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 and monitor users' usage of the following functions:

- Copier
- Printer
- Document Server
- Scanner

⬇ **Note**

- You can register up to 1000 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 a printer driver user code, select [PC Control] under "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, see page 43 "Administrator Tools".

- For details about setting user codes for the printer driver, see the printer driver Help.

- For details on how to specify user code, see Security Guide.

Registering a User Code

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.
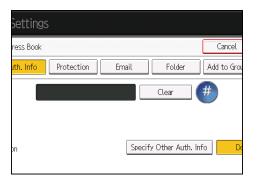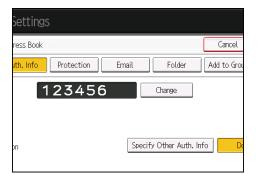
2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Auth. Info].**

5. **Press [Change] under "User Code".**

6. **Enter the user code using the number keys, and then press the [#] key.**

7. **Press [▼Next] to display "Available Functions".**

8. **Select the functions to be used with the user code from "Available Functions".**

9. **Press [OK].**

10. **Press the [User Tools] key.**

↓Note

- You can enter a one-to eight-digit user code.

- To register the name, see page 162 "Registering User Information".

Changing a User Code

⭐Important

- Even if you change a user code, the counter value will not be cleared.

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🔄 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Auth. Info].**

5. **Press [Change] under "User Code".**

6. **Enter the new user code using the number keys, and then press the [#] key.**

7. **To change the available functions, press [▼Next] to display "Available Functions".**

8. **Press the key to select the functions to enable them.**

9. **Press [OK].**

10. **Press the [User Tools] key.**

↓Note

- To change the name, key display and title, see page 162 "Registering User Information".

Deleting a User Code

★Important

- After clearing the user code, the counter is automatically cleared.

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖳 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Auth. Info].**

5. **Press [Change] to delete the user code, and then press the [#] key.**

6. **Press [OK].**

7. **Press the [User Tools] key.**

✏️Note

• To delete a name from the Address Book entirely, see page 162 "Registering User Information".

Displaying the Counter for Each User

1. **Press the [User Tools] key.**

2. **Press [System Settings].**

3. **Press [Administrator Tools].**
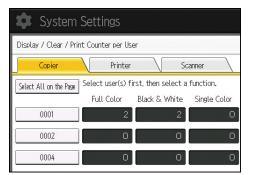
4. **Press [Display / Clear / Print Counter per User].**

5. **Select the function usage you want to confirm from [Copier], [Printer], or [Scanner].**

   Counters for individual function usage under each user code appear.

6. **Confirm the counters, and then press [Exit].**

7. **Press the [User Tools] key.**

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".**
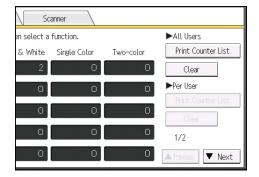
7. **Select the function usage you want to print from [Copier], [Printer], [Scanner], and [Total Prints].**

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], [Printer], [Scanner], and [Total Prints].**

7. **Press [Print].**

8. **Press [Exit].**

9. **Press the [User Tools] key.**

Clearing the Number of Counters 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 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 [Clear] under "Per User".**

7. **Select the function usage you want to clear from [Copier], [Printer], [Scanner], and [All Counters].**

8. **Press [OK].**

9. Press [Exit].

10. Press the [User Tools] key.

Clearing the Number of Counters 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 [Clear] under "All Users".

6. Select the function usage you want to clear from [Copier], [Printer], [Scanner], and [All Counters].

7. Press [OK].

8. Press [Exit].

9. Press the [User Tools] key.

4

173

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 the scanner 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.

🔽Note

- You can select an e-mail address from an LDAP server, and then register it in the Address Book. See "Sending Scanned Documents to a Client Computer", Scan.

Registering an E-mail Destination
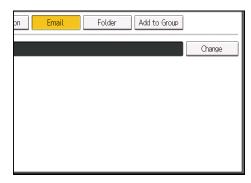
1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**
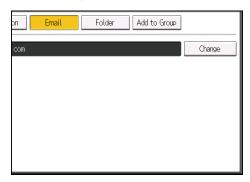
   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Select the name whose e-mail address you want to register.**
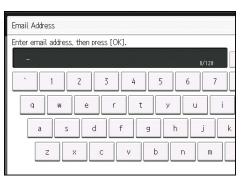
   Press the name key, or enter the registered number using the number keys.

4. **Press [Email].**

5. **Press [Change] under "Email Address".**

6. **Enter the e-mail address.**

7. **Press [OK] twice.**

8. **Press the [User Tools] key.**

Note

- You can enter up to 128 characters for the e-mail address.

- To register the name, see page 162 "Registering User Information".

Changing an E-mail Destination

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Email].**

5. **Press [Change] under "Email Address".**

6. **Enter the e-mail address, and then press [OK].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

↓Note

- To change the name, key display and title, see page 162 "Registering User Information".

Deleting an E-mail Destination

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Email].**

5. **Press [Change] under "Email Address".**

6. **Press [Delete All], and then press [OK].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

↓Note

- To delete the name, key display and title, see page 162 "Registering User Information".

Registering E-mail Messages

This section describes the procedure for programming, changing, and deleting e-mail messages.

Programming or Changing E-mail Messages

1. Press the [User Tools] key.

2. Press [System Settings].

3. Press [File Transfer].

4. Press [Program / Change / Delete Email 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 up to 20 characters.

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

11. Press [OK].

12. Press [Exit].

13. Press the [User Tools] key.

Deleting E-mail Messages

1. Press the [User Tools] key.

2. Press [System Settings].

3. Press [File Transfer].

4. Press [Program / Change / Delete Email Message].

5. Press [Delete].

6. Select the e-mail message to delete.

   The confirmation message about deleting appears.

7. Press [Yes].

8. **Press [Exit].**

9. **Press the [User Tools] key.**

Registering Folders

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 protocols you can use:

- SMB

    Use when 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.

◆Note

- 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 page 202 "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.

- NCP is available only when an optional NetWare unit is installed.

Registering an SMB Folder
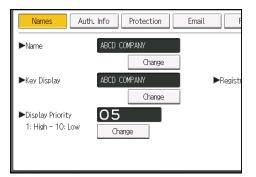
1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

    If the [Address Book Management] icon does not appear, press the [icon] icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Select the name whose folder you want to register.**
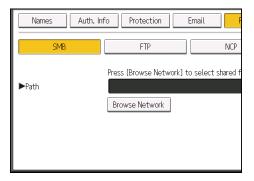
    Press the name key, or enter the registered number using the number keys.

4. **Press [Auth. Info], and then press [▼Next].**

5. **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 are applied.

6. **Press [Change] under "Login User Name".**

7. **Enter the login user name of the destination computer, and then press [OK].**

8. **Press [Change] under "Login Password".**

9. **Enter the password of the destination computer, and then press [OK].**

10. **Enter the password again to confirm, and then press [OK].**

11. **Press [Folder].**

12. **Check that [SMB] is selected.**

13. **Press [Change] or [Browse Network], and then specify the folder.**

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 page 181 "Locating the SMB folder manually".

For details about how to specify the path using Browse Network, see page 182 "Locating the SMB folder using Browse Network".

14. **Press [Connection Test] to check the path is set correctly.**

15. **Press [Exit].**

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

16. **Press [OK].**

17. **Press the [User Tools] key.**

Note

- To register the name, see page 162 "Registering User Information".

- You can enter up to 64 characters (128 bytes) for the user name and password.

- You can enter a path up to 256 characters (256 bytes).

- If User Authentication is specified, contact your administrator.

Locating 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.

Note

- Enter the path using this format: "\\ServerName\Share- Name\PathName".

- You can also enter an IPv4 address.

- You can enter a path up to 256 characters (256 bytes).

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.**

   Shared folders under it appear.

   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.

1. **Enter the login user name, and then press [OK].**

   Enter the login user name specified for folder authentication.

2. **Enter the password, and then press [OK].**

   The path to the selected folder appears.

   If a message appears, press [Exit], and then enter the login user name and password again.

Changing an SMB Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

2. **Check that [Program / Change] is selected.**

3. **Select the name whose folder you want to change.**

   Press the name key, or enter the registered number using the number keys.

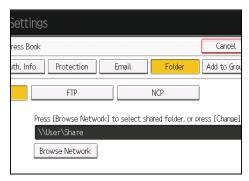   You can search by the registered name, user code, folder name, or e-mail address.

4. **Press [Folder].**

5. **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 page 181 "Locating the SMB folder manually" and page 182 "Locating the SMB folder using Browse Network".

6. **Press [Connection Test] to check the path is set correctly.**

7. **Press [Exit].**

8. **Press [OK].**

9. **Press the [User Tools] key.**

↓Note

• To change the name, key display, and title, see page 162 "Registering User Information".

Changing the protocol

1. **Press [FTP] or [NCP].**

   A confirmation message appears.

2. **Press [Yes].**

   Changing the protocol will clear all settings made under the previous protocol.

3. **Enter each item again.**

Note

- NCP is available only when an optional NetWare unit is installed.

Deleting an SMB Registered Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**
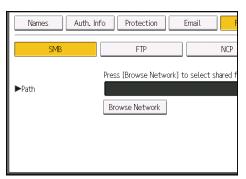
   If the [Address Book Management] icon does not appear, press the icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Folder].**

5. **Press the protocol which is not currently selected.**

   A confirmation message appears.

6. **Press [Yes].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

Note

- To delete the name, key display, and title, see page 162 "Registering User Information".

Registering an FTP Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Select the name whose folder you want to register.**

   You can search by the registered name, user code, folder name, or e-mail address.

4. **Press [Folder].**

5. **Press [FTP].**

6. **Press [Change] under "Server Name".**

7. **Enter the server name, and then press [OK].**

8. **Press [Change] under "Path".**

9. **Enter the path, and then press [OK].**

   You can enter an absolute path, using this format: "\user\ home\username"; or 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 up to 256 characters (256 bytes).
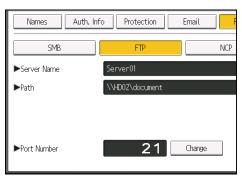
10. **To change the port number, press [Change] under "Port Number".**

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

    You can enter 1 to 65535.

12. **Press [Connection Test] to check the path is set correctly.**

13. **Press [Exit].**

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

14. **Press [Auth. Info], and then press [▼Next].**

15. Press [Specify Other Auth. Info] on the right side of "Folder Authentication".

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 are applied. For details, see page 39 "File Transfer".

16. Press [Change] under "Login User Name".

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

18. Press [Change] under "Login Password".

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

20. Enter the password again to confirm, and then press [OK].

21. Press [OK].

22. Press the [User Tools] key.

❖Note

- To register the name, see page 162 "Registering User Information".
- You can enter up to 64 alphanumeric characters for the user name and password.
- You can enter a server name up to 64 characters.
- If User Authentication is specified, contact your administrator.

Changing an FTP Folder

1. Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.

If the [Address Book Management] icon does not appear, press the 🔄 icon at the upper right corner of the screen to switch to the [Home] screen.

2. Check that [Program / Change] is selected.

3. Select the name whose folder you want to change.

Press the name key, or enter the registered number using the number keys.

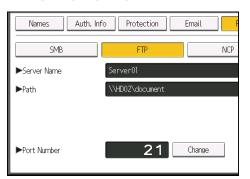You can search by the registered name, user code, folder name, or e-mail address.

4. Press [Folder].

5. Select the items you want to change.

6. Press [Connection Test] to check the path is set correctly.

7. Press [Exit].

8. Press [OK].

9. Press the [User Tools] key.

Note

- To change the name, key display, and title, see page 162 "Registering User Information".

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.**

Note

- NCP is available only when an optional NetWare unit is installed.

Changing the registered FTP folder

1. **Press [Change] under "Server Name".**
2. **Enter a new server name, and then press [OK].**
3. **Press [Change] under "Path".**
4. **Enter a new path, and then press [OK].**
5. **Press [Change] under "Port Number".**
6. **Enter a new port number, and then press the [#] key.**

Deleting an FTP Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the ⊞ icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Folder].**

5. **Press the protocol which is not currently selected.**

6. **Press [Yes].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

Note

- To delete a name entirely, see page 162 "Registering User Information".

Registering an NCP Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖳 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Folder].**

5. **Press [NCP].**

6. **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].

If you have set "Connection Type" to [NDS], enter the user name followed by the name of the context where the user object is located. If the user name is "user" and the context name is "context", enter "user.context".

7. **Press [Change] or [Browse Network], and then specify the path.**

   For details about how to specify the path manually, see page 190 "Locating the NCP folder manually".

   For details about how to specify the path using Browse Network, see page 190 "Locating the NCP folder using Browse Network".

8. **Press [Connection Test] to check the path is set correctly.**

9. **Press [Exit].**

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

10. **Press [Auth. Info], and then press [▼Next].**

11. **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 are applied. For details, see page 39 "File Transfer".

12. **Press [Change] under "Login User Name".**

13. **Enter the login user name, and then press [OK].**

14. **Press [Change] under "Login Password".**

15. **Enter the password, and then press [OK].**

16. **Enter the password again to confirm, and then press [OK].**

17. **Press [OK].**

18. **Press the [User Tools] key.**

⬇️**Note**

* NCP is available only when an optional NetWare unit is installed.

* To register the name, see page 162 "Registering User Information".

* You can enter up to 64 characters (128 bytes) for the user name.

- You can enter up to 64 alphanumeric characters (64 bytes) for the password.
- To specify a folder, you can either enter the path manually or locate the folder by browsing the network.
- If User Authentication is specified, contact your administrator.

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].**

Note

- NCP is available only when an optional NetWare unit is installed.
- 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 up to 256 characters (256 bytes).
- If the connection test fails, check the settings, and then try again.

Locating the NCP folder using Browse Network

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].**

Note

- NCP is available only when an optional NetWare unit is installed.
- 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 [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖳 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Folder].**

5. **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].

6. **Press [Change] or [Browse Network], and then specify the folder.**

   To specify a folder, you can either enter the path manually or locate the folder by browsing the network.
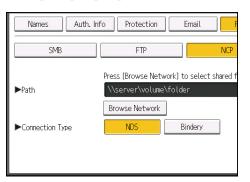
7. **Press [Connection Test] to check the path is set correctly.**

8. **Press [Exit].**

9. **Press [OK].**

10. **Press the [User Tools] key.**

🞃Note

- NCP is available only when an optional NetWare unit is installed.

- To change the name, key display, and title, see page 162 "Registering User Information".

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.**

↓ Note

* NCP is available only when an optional NetWare unit is installed.

Deleting an NCP Folder

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the [icon] icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Folder].**

5. **Press the protocol which is not currently selected.**

6. **Press [Yes].**

7. **Press [OK].**

8. **Press the [User Tools] key.**

↓ Note

* NCP is available only when an optional NetWare unit is installed.

* To delete a name entirely, see page 162 "Registering User Information".

Registering Names to a Group

This section describes how to register 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.

⭐**Important**

- **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.**

🔽**Note**

- You can set a protection code to prevent unauthorized access to the folders registered in a group. For details, see page 202 "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 "Name".**

8. **Enter a group name, and then press [OK].**

   The Key Display name is set automatically.

9. **When you want to change the key display, press [Change] under "Key Display".**

10. **Enter the key display, and then press [OK].**

11. **To change the registration number, press [Change] under "Registration No.".**

12. **Enter a new registration number using the number keys, and then press the [♯] key.**

13. **To change the display priority, press [Change] under "Display Priority".**

14. **Enter a priority number using the number keys, and then press the [♯] key.**

15. **To change the title, press [▼Next], and then press the title key under "Select Title".**

    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 key for each title.

16. **Press [OK].**

17. **Press [Exit].**

18. **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 [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Select the name to register in a group.**

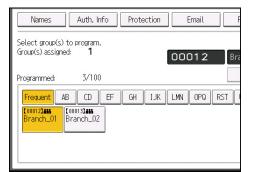   Press the name key, or enter the registered number using the number keys.

   You can search by the registered name, user code, folder name, or e-mail address.

4. **Press [Add to Group].**

5. **Select a group to which you want to add the name.**

   You can select multiple groups.

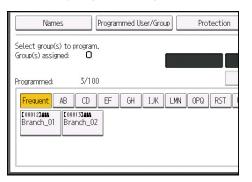The group key that you have selected becomes highlighted, and the name is added to it.

6. Press [OK].

7. 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].**

8. **Press [OK].**

9. **Press [Exit].**

10. **Press the [User Tools] key.**

Removing a Name from a Group

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the [icon] at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Add to Group].**

5. **Select the group from which you want to remove the name.**

   The group key is deselected and the name is removed from it.

6. **Press [OK].**

7. **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.**
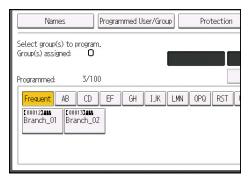
6. **Select the group to remove from a group.**

   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 from which you want to remove the group.**

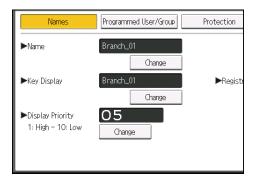   The group key is deselected and the group is deleted from it.

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 "Name" or "Key Display".**

8. **Enter a new group name or key display, and then press [OK].**
9. **To change the registration number, press [Change] under "Registration No.".**
10. **Enter a new registration number using the number keys.**
11. **Press the [#] key.**
12. **To change the display priority, press [Change] under "Display Priority".**
13. **Enter a priority number using the number keys, and then press the [#] key.**
14. **To change the title, press [▼Next], and then press the title key under "Select Title".**
15. **Press [OK].**
16. **Press [Exit].**
17. **Press the [User Tools] key.**

Deleting 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. **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.**

Printing Destination Lists

You can print the destination list registered in the 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 a print format.**

6. **To print the list on two-sided pages, select [Print on 2 Sides].**

7. **Press the [Start] key.**

   The list is printed out.

Registering a Protection Code

This section describes how to register a Protection Code.

You can stop senders' 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.

* Sender's names

  You can prevent misuse of senders' names.
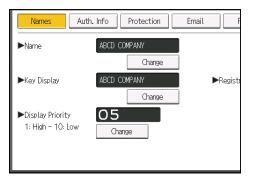
Registering a Protection Code to a Single User

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖳 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **Select the name whose protection code you want to register.**

   You can search by the registered name, user code, folder name, or e-mail address.

4. **Press [Protection].**

5. **Press [Destination] or [Sender] under "Use Name as".**

Both [Destination] and [Sender] can be selected at the same time.

6. **Press [Folder Destination] or [Sender] under "Protection Object".**

7. **Press [Change] under "Protection Code".**

8. **Enter a protection code using the number keys, and then press the [#] key.**

9. **Press [OK].**

10. **Press the [User Tools] key.**

Note

- Specify a protection code of up to eight digits. You can also specify "Protection" without specifying a protection code.

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.**

6. **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 [#] key.**

11. **Press [OK].**

12. **Press [Exit].**

13. **Press the [User Tools] key.**

↓Note

- 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

This section describes how to register 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.

⭐ **Important**

- 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 are applied. For details, see page 39 "File Transfer".
- If User Authentication is specified, contact your administrator.

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Auth. Info].**

5. **Press [Specify Other Auth. Info] under "SMTP Authentication".**

6. **Press [Change] under "Login User Name".**

7. **Enter the login user name, and then press [OK].**

8. **Press [Change] under "Login Password".**

9. **Enter the password, and then press [OK].**

10. **Enter the password again to confirm, and then press [OK].**

11. **Press [OK].**

12. **Press the [User Tools] key.**

◆Note

- To register the name, see page 162 "Registering User Information".

- 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 page 58 "Programming the LDAP Server".

★Important

- 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 are applied. For details, see page 58 "Programming the LDAP Server".

- If User Authentication is specified, contact your administrator.

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖼 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Check that [Program / Change] is selected.**

3. **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, folder name, or e-mail address.

4. **Press [Auth. Info], and then press [▼Next].**

5. **Press [Specify Other Auth. Info] under "LDAP Authentication".**

6. **Press [Change] under "Login User Name".**

7. **Enter the login user name, and then press [OK].**

8. **Press [Change] under "Login Password".**

9. **Enter the password, and then press [OK].**

10. **Enter the password again to confirm, and then press [OK].**

11. **Press [OK].**

12. **Press the [User Tools] key**

Note

- To register the name, see page 162 "Registering User Information".

- You can enter up to 128 characters for user name and password.

Checking Which Functions are Available

Using User Authentication, access to the machine by individuals and groups of users is limited according to the login user name and password.

Each individual or group of users can use only the functions made available to them by the administrator according to user authentication.

Functions Available to Users

Functions available to users are those related to using the machine's copier/document server, printer, and scanner functions, such as printing, storing, and sending files.
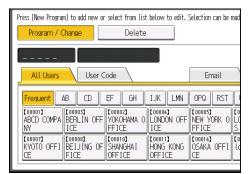
Settings related to the management and adjustment of the machine, such as System Settings, Copier / Document Server Features, Printer Features, and Scanner Features, are available to the administrator only.

If the available functions are limited by user authentication, you can check which functions are available to you using the following procedure:

1. **Press the [Home] key on the bottom left of the control panel, and press the [Address Book Management] icon on the [Home] screen.**

   If the [Address Book Management] icon does not appear, press the 🖵 icon at the upper right corner of the screen to switch to the [Home] screen.

2. **Select the user.**

3. **Press [Auth. Info].**
4. **Press [▾Next] to display "Available Functions".**

5. **In "Available Functions", check the functions user can use.**

6. **Press [OK].**
7. **Press the [User Tools] key.**

4

5. Appendix

Preparing Print Server

This section explains how to configure the machine as a Windows network printer. The machine is configured to enable network clients to use it.

⭐**Important**

- To change printer properties in the [Printer] or [Printers and Faxes] window, the following access authentications are required:
    - Windows Server 2003/2003 R2/2008/2008 R2/2012/2012 R2: Management access authentication
    - Windows Vista/7/8/8.1: Full Control access authentication
- To change printer properties in the [Printer] or [Printers and Faxes] window, log in to the file server as an Administrator or member of the PowerUsers group.

1. **Click [Start] button.**

    The [Start] menu appears.

    For Windows 8/8.1, click [Desktop], and then move the cursor to the lower right of the window panel. Click [Settings], and then click [Control Panel].

2. **Click [Devices and Printers].**

    For Windows Vista, click [Control Panel], and then click [Printer] under [Hardware and Sound] to display the [Printer] window.

    For Windows 8/8.1, click [View devices and printers] under [Hardware and Sound].

3. **Right-click the icon of the machine you have added, and then click [Printer properties].**

    The printer properties appear.

    For Windows Vista, right-click the icon of the machine you have added, click [Run as administrator], and then click [Properties].

4. **On the [Sharing] tab, click [Share this printer].**

5. **To share the machine with users using a different version of Windows, click [Additional Drivers...].**

    If you have installed an alternative driver by selecting [Shared] during the printer driver installation, this step can be ignored.

6. **Click [OK], and then close the printer properties.**

Network Settings Requirements List

Network Settings Requirements List

This table describes the [Interface Settings] menu items under [System Settings]. Specify each setting according to the function that you are using.

		Functions to be used						
●: Necessary		Printer	E-mail	Scan to Folder	Network Delivery Scanner	WSD Scanner	Network TWAIN Scanner	Document Server
○: As required								
Menu	**User Tools**	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet	Ethernet
Interface settings / Network	Machine IPv4 Address	●	●	●	●	●	●	●
	IPv4 Gateway Address	○	●	●	○	○	○	○
	Machine IPv6 Address	○	○	○	○	○	○	○
	IPv6 Gateway Address	○	○	○	○	○	○	○
	IPv6 Stateless Address Autoconfiguration	○	○	○	○	○	○	○
	DHCPv6 Configuration	○	○	○	○	○	○	○
	DNS Configuration	○	○	○	○	○	○	○
	DDNS Configuration	○	○	○	○	○	○	○
	IPsec	○	○	○	○	○	○	○
	Domain Name	○	○	○	○	○	○	○
	WINS Configuration	○	○	○	○	○	○	○
	Effective Protocol	●	●	●	●	●	●	●
	NCP Delivery Protocol	○				○		
	NW Frame Type	○				○		
	SMB Computer Name	○				○		
	SMB Work Group	○				○		
	Ethernet Speed	○	○	○	○	○	○	○
	Permit SNMPv3 Communication	○	○	○	○	○	○	○
	Permit SSL / TLS Communication	○	○	○	○	○	○	○
	Host Name	○	○	○	○	○	○	○
	Machine Name	○				○		
	IEEE 802.1X Authentication for Ethernet	○	○	○	○	○	○	○
File Transfer	SMTP Server		●					
	SMTP Authentication		○					
	POP before SMTP		○					
	Reception Protocol		○					
	POP3 / IMAP4 Settings		○					
	Administrator's Email Address		○					
	Email Communication Port		○					
	Default User Name / Password (Send)			○				
	Program / Change / Delete Email Message		○					
	Scanner Resend Interval Time		○	○	○			
	Number of Scanner Resends		○	○	○			

Note:
- For the [Effective Protocol] setting, check that the protocol you want to use is set to [Active].
- When [POP before SMTP] is set to [On], you must also make settings for [Reception Protocol] and [POP3 / IMAP4 Settings].
- When [SMTP Authentication] is set to [On], you must also make settings for [Administrator's Email Address].
- When setting [POP before SMTP] to [On], check POP3 port number in [Email Communication Port].

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