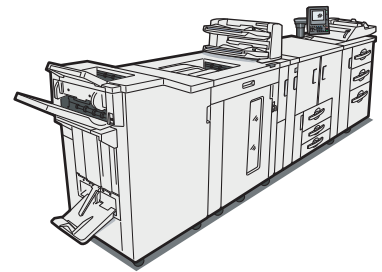




Pro 907
Pro 1107
Pro 1357

Operating Instructions

Network and System Settings Guide



-
- 1** System Settings
 - 2** Tray Paper Settings
 - 3** Printer Settings
 - 4** Connecting the Machine
 - 5** Monitoring and Configuring the Printer
 - 6** Registering Addresses
 - 7** Appendix

TABLE OF CONTENTS

Manuals for This Machine.....	7
Notice.....	8
Important.....	8
How to Read This Manual.....	9
Symbols.....	9
Names of Major Items.....	9
About IP Address.....	10
Note.....	10
Laws and Regulations.....	11
Legal Prohibition.....	11
Model-Specific Information.....	12
Display Panel.....	13
Accessing User Tools.....	14
Changing Default Settings.....	14
1. System Settings	
General Features.....	17
Output Tray Settings.....	20
Paper Tray Priority Settings.....	23
Timer Settings.....	24
Interface Settings.....	27
Network.....	27
Print List.....	30
E-mail Settings.....	32
Administrator Tools.....	35
Programming the LDAP server.....	42
Programming the LDAP server.....	42
Changing the LDAP server.....	45
Deleting the LDAP server.....	45
Programming the Realm.....	47
Programming the Realm.....	47
Changing the Realm.....	48
Deleting the Realm.....	48

2. Tray Paper Settings

Accessing Tray Paper Settings.....	51
Changing Tray Paper Settings.....	51
Items of Tray Paper Settings.....	53
Tray 1	53
Tray 1 (with the optional A3/11×17 Tray Unit).....	54
Tray 2.....	54
Tray 3.....	56
Tray 4 (with the optional Large Capacity Tray).....	57
Tray 4 (with the optional Wide Large Capacity Tray).....	58
Tray 5 (with the optional Large Capacity Tray).....	59
Tray 5 (with the optional Wide Large Capacity Tray).....	61
Tray 6 (with the optional Large Capacity Tray).....	62
Tray 6 (with the optional Wide Large Capacity Tray).....	63
Tray 7 (with the optional Multi Bypass Tray and LCT).....	64
Tray 7 (with the optional Multi Bypass Tray and Wide LCT).....	66
Interposer Upper and Lower Tray (with the Optional Cover Interposer Tray).....	67

3. Printer Settings

Interface Settings.....	69
Network.....	69
Parallel Interface.....	71
IEEE 802.1X.....	71
Network Security.....	73
Access Control.....	74
IPP Authentication.....	75
SSL/TLS.....	76

4. Connecting the Machine

Connecting to the Interfaces.....	77
Connecting to the System Interface.....	77
Connecting to the Ethernet Interface.....	78
Connecting to the Printer Interface.....	79
Network Settings Required to Use the Printer.....	83
Ethernet.....	83

Network Settings Required to Use E-mail Function.....	85
Ethernet.....	85
Using Utilities to Make Network Settings.....	87
Interface Settings (System).....	87
E-mail Settings (System).....	90
Interface Settings (Printer).....	91
Network Security (Printer).....	93
Access Control (Printer).....	95
IPP Authentication (Printer).....	99
SSL/TLS (Printer).....	100

5. Monitoring and Configuring the Printer

Using Web Browser.....	101
Using Web Image Monitor.....	104
Displaying Top Page.....	104
When User Authentication is Set.....	105
About Menu and Mode.....	106
Access in the Administrator Mode.....	107
List of Setting Items.....	107
Displaying Web Image Monitor Help.....	111
Printer Status Notification by E-Mail.....	113
Setting the Account for E-mail Notification.....	115
Mail Authentication.....	115
Auto E-mail Notification.....	116
On-demand E-mail Notification.....	117
Format of On-demand E-mail Messages.....	118
Using Web Interface.....	119
Displaying Top Page.....	119
Access in the Administrator Mode.....	120
List of Setting Items.....	120
Displaying Web Interface Help.....	121
Remote Maintenance by telnet.....	124
Using telnet.....	124
8021x.....	125

access.....	126
autonet.....	127
bonjour.....	128
devicename.....	129
dhcp.....	129
dhcp6.....	130
dns.....	131
domainname.....	133
etherauth.....	133
etherconfig.....	133
help.....	134
hostname.....	134
ifconfig.....	135
ipsec.....	136
ipv6.....	136
logout.....	136
passwd.....	136
pathmtu.....	137
route.....	137
set.....	139
show.....	141
smb.....	141
snmp.....	142
sntp.....	145
ssdp.....	146
ssh.....	146
syslog.....	147
upnp.....	147
web.....	147
wins.....	148
Getting Printer Information over the Network.....	150
Current Printer Status.....	150
Understanding the Displayed Information.....	163

Configuring the Network Interface Board.....	163
Message List.....	170
System Log Information.....	170

6. Registering Addresses

Address Book.....	175
Managing Users and Machine Usage.....	176
Registering Names.....	177
Registering Names.....	177
Changing a Registered Name.....	178
Deleting a Registered Name.....	179
Authentication Information.....	180
Registering a User Code.....	180
Changing a User Code.....	181
Deleting a User Code.....	183
Displaying the Counter for Each User.....	184
Printing the Counter for Each User.....	185
Printing the Counter for All Users.....	186
Clearing the Number of Prints.....	187
Registering Names to a Group.....	188
Registering a Group.....	188
Registering Names to a Group.....	189
Adding a Group to Another Group.....	190
Displaying Names Registered in a Group.....	192
Removing a Name from a Group.....	192
Deleting a Group Within Another Group.....	194
Changing a Group Name.....	195
Deleting a Group.....	196

7. Appendix

Adjustment Settings for Operators.....	199
Changing the Adjustment Settings for Operators.....	199
Setting Values.....	200
Precautions.....	245
When using network utility.....	245

Specifications.....	246
Copyrights.....	248
expat.....	248
NetBSD.....	248
Sablotron.....	250
JPEG LIBRARY.....	251
SASL.....	251
MD4.....	252
MD5.....	252
RSA BSAFE®.....	252
Samba.....	253
Open SSL.....	253
Open SSH.....	255
Heimdal.....	259
Open LDAP.....	260
IPS™ print language emulations.....	260
SNMP.....	260
Trademarks.....	262
INDEX.....	265

Manuals for This Machine

Read this manual carefully before you use this printer.

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

★ Important

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

About This Machine

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

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

Troubleshooting

Provides a guide for resolving common usage-related problems.

Printer Reference

Explains Printer functions and operations.

Network and System Settings Guide

Explains how to connect the printer to a network, configure and operate the printer in a network environment, and use the software provided. Also explains how to change User Tools settings and how to register information in the Address Book.

Security Reference

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

- Install the Device Certificate.
- Enable SSL (Secure Sockets Layer) Encryption.
- Change the user name and password of the administrator using Web Image Monitor.
- Change the password for printer settings using Web Interface.

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

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

Other manual

- Quick Reference Printer Guide

Notice

Important

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

For good print quality, the supplier recommends that you use genuine toner from the supplier.

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

How to Read This Manual

Symbols

This manual uses the following symbols:

Important

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

Note

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

Reference

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

[]

Indicates the names of keys that appear on the printer's display panel.

[]

Indicates the names of keys on the printer's control panel.

Names of Major Items

Major options of this printer are referred to as follows in this manual:

- Decurl Unit DU5000 → Decurler
- High Capacity Stacker SK5010 → Stacker
- Roll-Away Cart Type 5010 → Roll-Away cart
- Cover Interposer Tray CI5010 → Cover interposer
- LCIT RT5030 → LCT
- LCIT RT5040 → Wide LCT
- Finisher SR5000 → Finisher
- Booklet Finisher SR5020 → Booklet finisher
- Multi-Folding Unit FD5000 → Multi-folding unit
- Trimmer Unit TR5020 → Trimmer

About IP Address

- In this manual, "IP address" covers both IPv4 and IPv6 environments. Read the instructions that are relevant to the environment you are using.
- Two IP addresses must be specified on this printer. For the IP address referred to as "system's IP address" in this manual, enter the IP address that was specified in the System Settings menu. For "printer's IP address", enter the IP address specified in the Printer Features menu.

Note

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

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

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

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

This printer comes in three models which vary in print speed. To ascertain which model you have, see "Machine Types", About This Machine.

Laws and Regulations

Legal Prohibition

Do not copy or print any item for which reproduction is prohibited by law.

Copying or printing the following items is generally prohibited by local law:

bank notes, revenue stamps, bonds, stock certificates, bank drafts, checks, passports, driver's licenses.

The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

Model-Specific Information

In this manual, model-specific information is indicated by the following marks:

220-240V

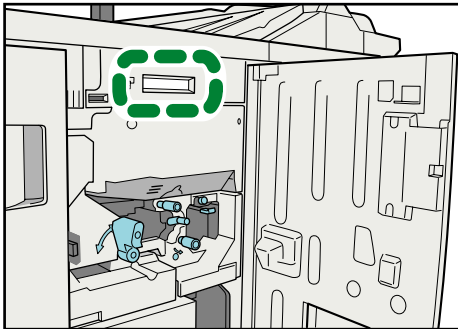
Indicates information that is specific to the 220 to 240 V model.

208-240V

Indicates information that is specific to the 208 to 240 V model.

↓ Note

- Check the label behind the front cover of the printer to identify the model.



BTG013S

- Dimensions in this manual are given in two units of measure: metric and inch. If your printer is the 220 to 240 V model, refer to the metric units. If your printer is the 208 to 240 V model, refer to the inch units.

Display Panel

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

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

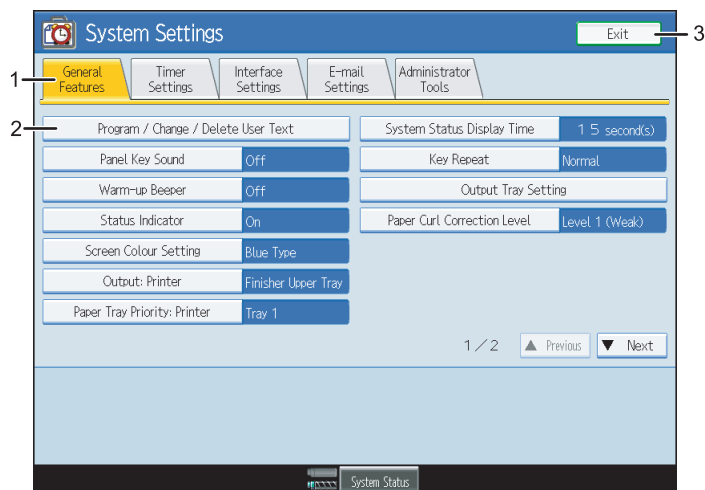
When you select or specify an item on the display panel, it is highlighted like **Program / Change**. Keys appearing as **OK** cannot be used.

★ Important

- A force or impact of more than 30 N (about 3 kgf) will damage the display panel.

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

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



BTH001S

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

Accessing User Tools

This section describes how to access 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 [Clear Modes] key is pressed.

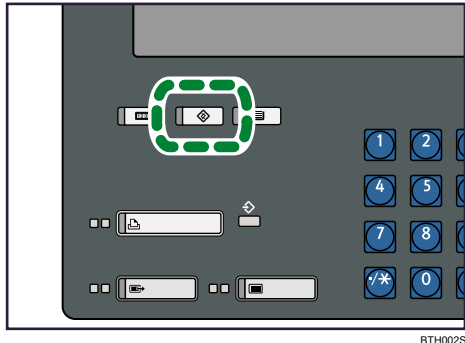
Changing Default Settings

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.



2. Press [System Settings].

3. Select the user tool you want to change.

4. Change settings by following instructions on the display, and then press [OK].

5. Press [Exit] to return to the System Settings screen.

To return to the normal screen, press the [User Tools] key.

↓ Note

- For details about specifying System Settings, see "System Settings".
- For details about specifying other settings such as changing the language, checking enquiry and counter, see "Remarks", About This Machine.

Reference

- p.17 "System Settings"



1. System Settings

This chapter describes user tools in the System Settings menu. For details on how to access System Settings, see "Accessing User Tools".

General Features

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

Default settings are shown in **bold type**.

Program / Change / Delete User Text

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

You can register up to 40 entries.

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

To program new user text, press [Not Programmed].
 7. Enter the user text, and then press [OK].

Enter the user text using up to 80 characters.
 8. Press [Exit].
 9. Press the [User Tools] key.
- Delete
 1. Press the [User Tools] key.
 2. Press [System Settings].
 3. Check that [General Features] is selected.
 4. Press [Program / Change / Delete User Text].
 5. Press [Delete].
 6. Select the user text you want to delete.
 7. Press [Yes].
 8. Press [Exit].
 9. Press the [User Tools] key.

Panel Key Sound

You can have a beep (a key tone) sound when a key is pressed.

The default setting is **Medium**.

Warm-up Beeper

You can have a beep sound when the printer becomes ready to print after leaving Energy Saver mode, or when the power is turned on.

The default setting is **On**.

If the [Panel Key Sound] is set to [Off], the beep will not sound, regardless of the [Warm-up Beeper] setting.

Status Indicator

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

The default setting is **On**.

Screen Color Setting [Screen Colour Setting]

You can select the screen color from among five types.

The default setting is **Blue Type**.

Output: Printer

Specify a tray to which documents are delivered.

The default setting can vary depending on which options are attached.

This setting is invalid when using the printer via network connection.

This setting is valid for an output tray configured by a virtual printer using a network connection. Note however that an output tray designated by a printer driver takes priority over an output tray designated by a virtual printer. For details about virtual printer settings, see "Printer Reference".

Paper Tray Priority: Printer

Specify a tray to supply paper for output.

The default setting is **Tray 1**.

System Status Display Time

Specify how long to display the System Status display for.

The default setting is **On, 15 second(s)**.

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

Key Repeat

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

The keys affected by the key repeat setting can vary depending on the selected function.

The default setting is **Normal**.

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 tray is attached to the printer.

- **According to Function Setting**
- Auto Change
- Multi-job Output Method to Stacker

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

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
- Output Settings when Stacker is Full

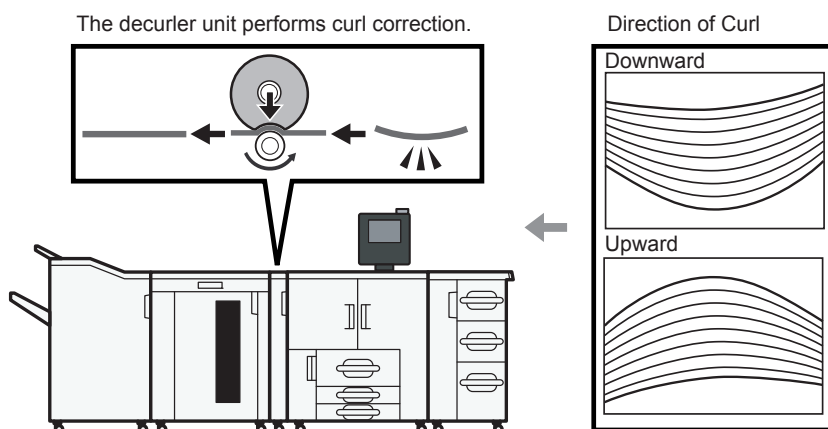
This setting appears only when more than one stacker trays are attached to the printer.

- **Auto Detect**
- Priority Stacker

Paper Curl Correction Level

You can specify the level of paper curl correction.

When using the decurler to correct paper curl, take care to avoid upward curling. If decurling results in upward curling, paper jams are likely when finishing processes that involve the fold function are selected.



Z-fold Position

You can adjust the position of the lines of the Z-fold in steps of 1 mm (0.1 inch).

Half Fold Position

You can adjust the position of the lines of the half fold in steps of 1 mm (0.1 inch).

Letter Fold-out Position

You can adjust the position of the lines of the letter fold-out in steps of 1 mm (0.1 inch).

When you specify multifold, you cannot change the positions of the folds. Any adjusted settings will be cleared if you press [OK] when prompted to select multifold.

Letter Fold-in Position

You can adjust the position of the lines of the letter fold-in in steps of 1 mm (0.1 inch).

Double Parallel Fold Position

You can adjust the position of the lines of the double parallel fold in steps of 1 mm (0.1 inch).

Gate Fold Position

You can adjust the position of the lines of the gate fold in steps of 1 mm (0.1 inch).

Reference

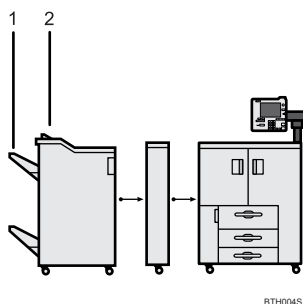
- p.14 "Accessing User Tools"

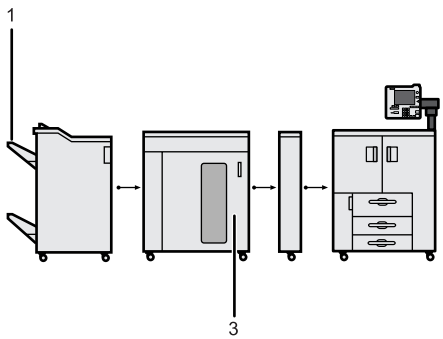
Output Tray Settings

Note that default settings can vary by printer model.

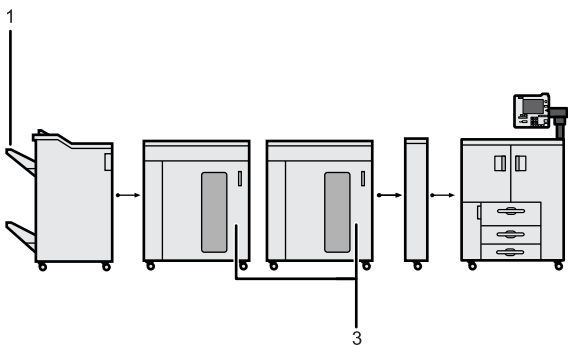
Output Tray Settings with Booklet Finisher

This illustration shows the output trays that can be selected when using optional booklet finisher.





BTH005S

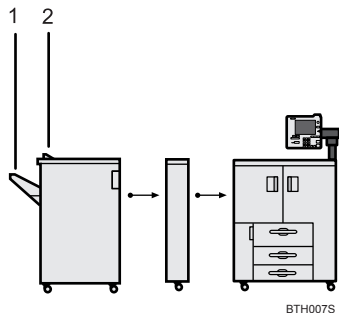


BTH006S

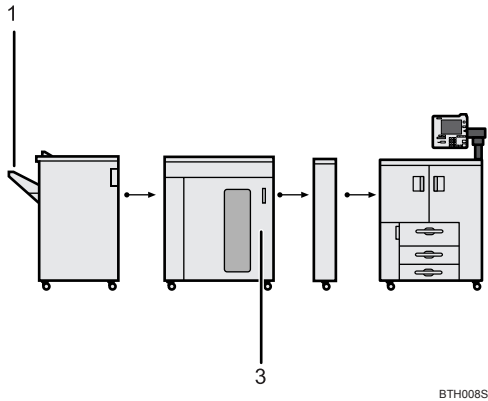
- 1. Finisher Shift Tray
- 2. Finisher Upper Tray
- 3. Stacker Tray

Output Tray Settings with Finisher

This illustration shows the output trays that can be selected when using optional finisher.



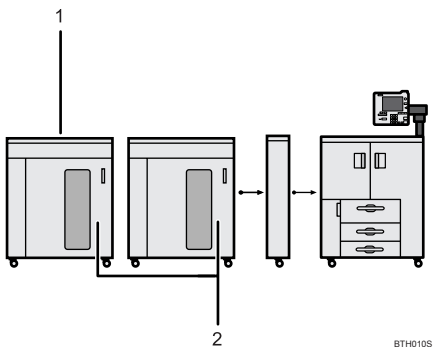
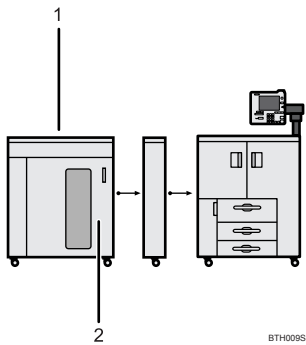
BTH007S



1. Finisher Shift Tray
2. Finisher Upper Tray
3. Stacker Tray

Output Tray Settings with Stacker

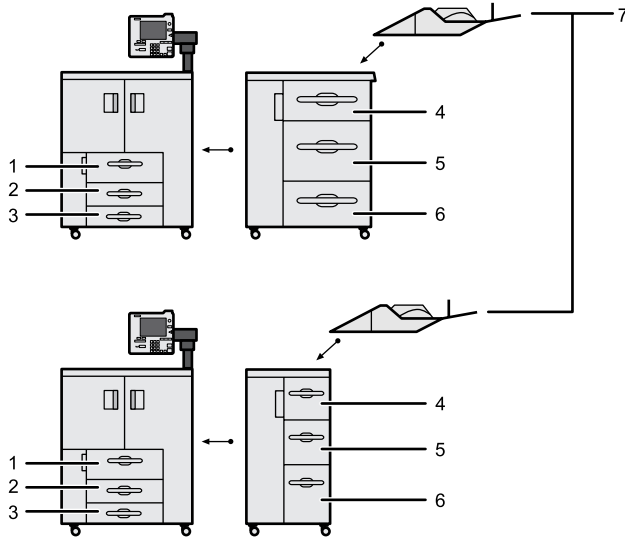
This illustration shows the output trays that can be selected when using optional stacker.



1. Stacker Upper Tray
2. Stacker Tray

Paper Tray Priority Settings

Note that default settings can vary depending on which options are attached.



BTH012S

1. Tray 1
2. Tray 2
3. Tray 3
4. Tray 4
5. Tray 5
6. Tray 6
7. Tray 7

Timer Settings

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

Default settings are shown in **bold type**.

Auto Off Timer (Type 1)

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

The printer status after the Auto Off operation is referred to as "Sleep mode".

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

The default setting is **90** minute(s).

The time can be set from 10 seconds to 240 minutes, using the number keys.

Auto Off may not work when error messages appear.

Auto Off Timer (Type 2,3)

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

The printer status after the Auto Off operation is referred to as "Sleep mode".

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

The default setting is **120** minute(s).

The time can be set from 10 seconds to 240 minutes, using the number keys.

Auto Off may not work when error messages appear.

Energy Saver Timer

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

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

The default setting is **15** minute(s).

Panel Off Timer

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

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

The default setting is **1** minute(s).

System Auto Reset Timer

If the printer is not used for a specified period, the display panel switches automatically to the normal screen. This function is referred to as "System Reset". You can specify the period of time that must elapse following last usage before the printer performs "System Reset".

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

The default setting is **On, 60** second(s).

Printer Auto Reset Timer

Specify the time to elapse before the printer function resets.

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

The default setting is **On, 60** second(s).

Set Date

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

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

Set Time

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

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

220-240V

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

208-240V

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

Auto Logout Timer

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

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

The default setting is **On, 180** second(s).

Weekly Timer Code

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

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

The default setting is **Off**.

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

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

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

Weekly Timer: Monday - Sunday

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

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

220-240V

Enter the time using the 24-hour system.

208-240V

Enter the time using the 12-hour system.

Reference

- p.14 "Accessing User Tools"

Interface Settings

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

Default settings are shown in **bold type**.

Network

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

Machine IPv4 Address

Specify the printer's IPv4 network address.

The default setting is **Auto-Obtain (DHCP)**.

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

When you select [Specify], make sure that IPv4 address is different from that of other printer 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.

The default setting is **0.0.0.0**.

Machine IPv6 Address

Displays the printer's IPv6 network address.

- Link-local Address

The printer's specified link-local address appears.

- Manual Configuration Address

The printer's manually configured address appears.

- Stateless Address: 1-5

The specified stateless address appears.

IPv6 Gateway Address

Displays the printer's IPv6 gateway address.

IPv6 Stateless Address Autoconfiguration

Specify IPv6 Stateless Address Autoconfiguration.

The default setting is **Active**.

DNS Configuration

Make settings for the DNS server.

The default setting is **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.

The default setting is **Active**.

IPsec

Specify the printer's IPsec function Active/Inactive.

The default setting is **Inactive**.

Domain Name

Specify the domain name.

The default setting is **Auto-Obtain (DHCP)**.

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

WINS Configuration

Specify the WINS server settings.

The default setting is **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 the Scope ID. Enter a Scope ID using up to 31 characters.

Effective Protocol

Select the Protocol to use in the network.

The default setting for "IPv4" is **Active**.

The default setting for "IPv6" is **Inactive**.

The default setting for "SMB" is **Active**.

SMB Computer Name

Specify the SMB computer name.

Enter the computer name using up to 15 characters.

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

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

Use uppercase letters for alphabets.

SMB Work Group

Specify the SMB work group.

Enter the computer name using up to 15 characters.

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

Use uppercase letters for alphabet.

Ethernet Speed

Set the access speed for networks.

The default setting is **Auto Select**.

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

	10Mbps Half Duplex	10Mbps Full Duplex	100Mbps Half Duplex	100Mbps Full Duplex	Auto Select
10Mbps Half Duplex	●	—	—	—	●
10Mbps Full Duplex	—	●	—	—	—
100Mbps Half Duplex	—	—	●	—	●
100Mbps Full Duplex	—	—	—	●	—
Auto Select	●	—	●	—	●

IEEE 802.1X Authentication for Ethernet

Specify the IEEE 802.1X authentication for Ethernet.

The default setting is **Inactive**.

For details about IEEE 802.1X authentication, see "Configuring IEEE 802.1X Authentication for Ethernet", Security Reference.

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 "Configuring IEEE 802.1X Authentication for Ethernet", Security Reference.

Ping Command

Check the network connection with ping command using 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 printer with 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.

The default setting is **Encryption / Cleartext**.

If you select [Encryption Only], you need to set an encryption password for the printer.

Permit SSL / TLS Communication

Set the encrypted communication of SSL/TLS.

The default setting is **Ciphertext Priority**.

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

Host Name

Specify the host name.

Enter the host name using up to 63 characters.

Machine Name

Specify the printer name.

Enter the printer name using up to 31 characters.

Reference

- p.14 "Accessing User Tools"

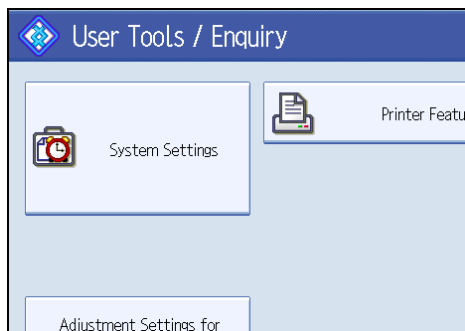
Print List

This section describes how to print the configuration page.

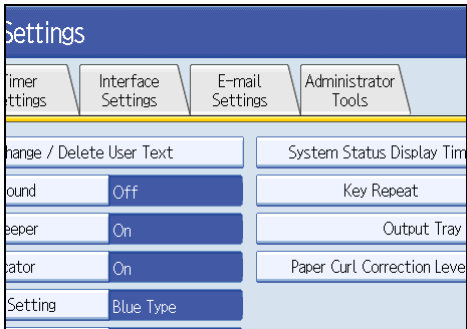
You can check items related to the network environment.

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

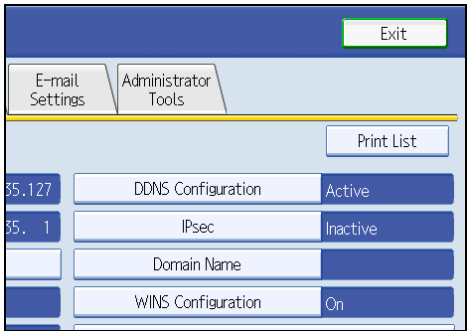
1. Press the [User Tools] key.
2. Press [System Settings].



3. Press [Interface Settings].



4. Press [Print List].



5. Press the [Start] key.

The configuration page is printed.

6. Press [Exit].

7. Press the [User Tools] key.

Note

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

Reference

- p.14 "Accessing User Tools"

E-mail Settings

This section describes the user tools in the E-mail Settings menu under System Settings.

Default settings are shown in **bold type**.

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.

The default setting for "Port No." is **25**.

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

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

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

SMTP Authentication

Specify SMTP authentication (PLAIN, LOGIN, CRAMMD5, DIGEST-MD5). When sending e-mail to a 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.

The default setting is **Off**.

- Enter the user name using up to 191 characters.

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

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

Spaces cannot be entered.

- Select Encryption as follows:

"Encryption"-[Auto]

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

"Encryption"-[On]

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

"Encryption"-[Off]

Use if the authentication method is PLAIN, or LOGIN.

POP before SMTP

Specify POP authentication (POP before SMTP).

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

The default setting is **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.: "300" msec.
Specify [Wait Time after Authent.] from 0 to 10,000 milliseconds, in increments of one millisecond.
- User Name
Enter the user name using up to 191 characters. Spaces cannot be entered.
- E-mail Address
Enter the E-mail Address using up to 128 characters. Spaces cannot be entered.
- Password
Enter the password using up to 128 characters. Spaces cannot be entered.

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

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

Reception Protocol

Specify the Reception Protocol for receiving e-mail.

The default setting is **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].

The default setting is **Auto**.

- Server Name
If DNS is in use, enter the host name.
If DNS is not in use, enter the POP3/IMAP4 or server IPv4 address.
Enter POP3/IMAP4 server name using up to 127 characters. Spaces cannot be entered.
- Select Encryption as follows:
"Encryption"-[Auto]
Password encryption is automatically set according to the POP/IMAP server settings.
"Encryption"-[On]
Encrypt password.

"Encryption"-[Off]

Do not encrypt password.

Administrator's E-mail Address

Specify the Administrator's E-mail Address.

If a failure occurs in the printer or consumables need to be replaced, e-mail messages are sent to the Administrator's E-mail Address by E-mail Notification function.

Enter up to 128 characters.

E-mail Communication Port

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

The default setting for POP3 is **110**.

The default setting for IMAP4 is **143**.

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

E-mail Reception Interval

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

The default setting is **15** minute(s).

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

E-mail Storage in Server

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

The default setting is **Off**.

Reference

- p.14 "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.

Default settings are shown in **bold type**.

Address Book Management

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

For details, see "Address Book".

- Program / Change

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

- Names

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

- Auth. Info

You can register a user code, and specify the functions available to each user code.

- Add to Group

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

- Delete

You can delete a name from the Address Book.

You can register up to 500 names.

You can register up to 500 user codes.

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

Address Book: Program / Change / Delete Group

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

- Program / Change

You can register and change groups.

- Names

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

- Programmed User/Group

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

- Add to Group

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

- Delete

You can delete a group from the Address Book.

You can register up to 100 groups.

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

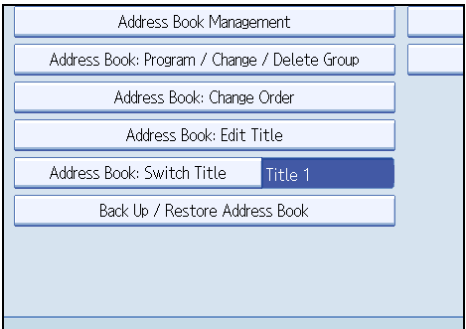
Address Book: Change Order

Changes the order of registered names.

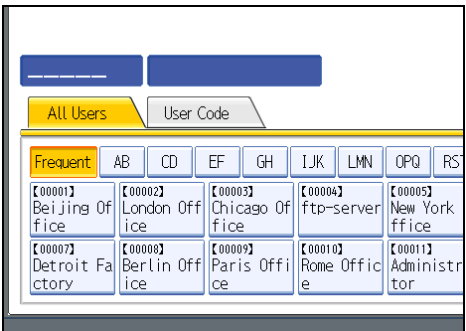
You can rearrange the order of items on the same page, but you cannot move items to another page.

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

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

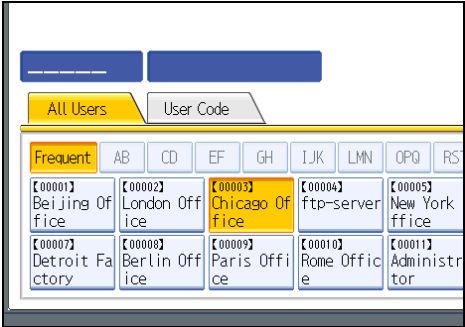


5. Press the name key to be moved.



You can select a name using the number keys.

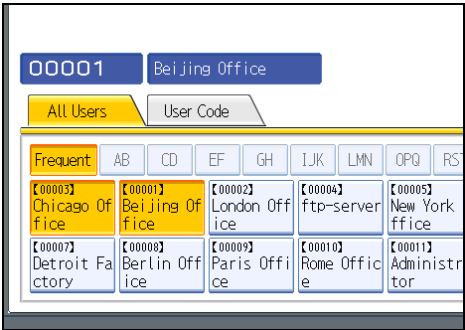
6. Press the name key in place you want to move it to.



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

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

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

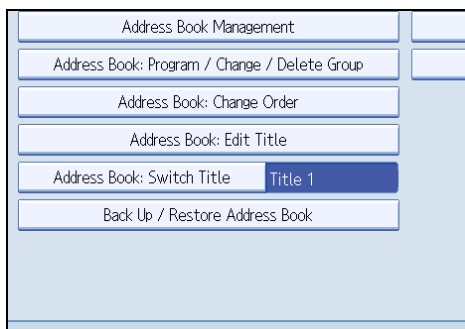


You can also select a name using the number keys.

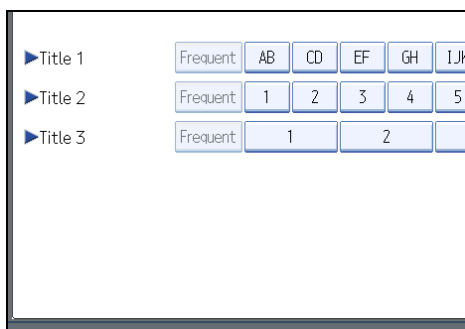
Address Book: Edit Title

You can edit the title to easily find a user.

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



5. Press the title key you want to change.



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

Address Book: Switch Title

Specifies the title to select a name.

The default setting is **Title 1**.

Back Up / Restore Address Book

You can back up the printer's address book to external storage or restore the backup copy from the external storage.

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

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

- Back Up

You can back up the printer's address book to external storage.

- Restore

You can restore the backup copy of the address book from external storage.

- Format

You can format the external storage.

- Obtain Memory Device Info

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

Display / Print Counter

Allows you to view and print the number of prints.

- Display / Print Counter

Displays the number of prints for each function (Total, Printer, A3/DLT, Duplex, GPC, GPC Printer, Coverage).

- Print Counter List

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

Display / Clear / Print Counter per User

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

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

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

- Print Counter List for All Users

Prints the counter value for all the users.

- Clear Counter List for All Users

Resets the counter value for all the users.

- Print Counter List Per User

Prints the counter value for each user.

- Clear Counter List Per User

Resets the counter value for each user.

- Select All on the Page

Selects all the users on the page.

User Authentication Management

- User Code Auth.

Using User Code Authentication, you can limit the available functions and supervise their use.

When using User Code Authentication, register the user code.

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

For details about Basic Authentication, Windows Authentication, LDAP Authentication, and Integration Server Authentication, consult your administrator.

- Functions to Restrict

[Printer], [Printer: PC Control]

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

The default setting is **Off**.

Administrator Authentication Management

For details about this function, consult your administrator.

Program / Change Administrator

For details about this function, consult your administrator.

Extended Security

You can specify whether or not to use the extended security function. For details about the extended security functions, consult your administrator.

Program / Change / Delete LDAP Server

You can program the LDAP server to find up e-mail destinations in the LDAP server Address Book directly.

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

This function supports LDAP Version 2.0 and 3.0.

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

Program / Change / Delete Realm

You can 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 "Programming the Realm".

AOF (Always On)

You can specify whether or not to use Auto Off.

The default setting is **On**.

Firmware Version

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

Network Security Level

For details about this function, consult your administrator.

Delete All Logs

For details about this function, consult your administrator.

Transfer Log Setting

For details about this function, consult your administrator.

Reference

- p.14 "Accessing User Tools"
- p.42 "Programming the LDAP server"
- p.47 "Programming the Realm"
- p.175 "Address Book"

Programming the LDAP server

1

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 user information in the LDAP server Address Book directly.

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

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

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

The LDAP version 2.0 does not support Digest Authentication.

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

Programming the LDAP server

This section describes how to program the LDAP server.

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

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

8. Press [Change] to the right of "Name".
9. Enter the name, and then press [OK].
10. Press [Change] to the right of "Server Name".
11. Enter the server name, and then press [OK].
12. Press [Change] to the right of "Search Base".

Select the root folder to start the search from user information registered in the selected folder which is search targets.

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

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

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

Check your server environment and enter any required specifications.

14. Press [Change] to the right of "Port Number".

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

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

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

16. Press [On] to the right of "Use Secure Connection (SSL)".

Use SSL to communicate with the LDAP server.

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

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

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

17. Press [▼Next].**18. Select the authentication method.**

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

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

[Digest Authentication] is available only with LDAP Version3.0.

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

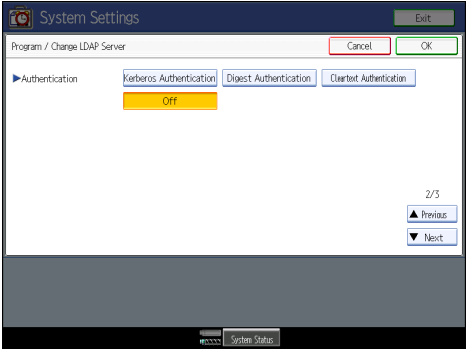
If you select [Digest Authentication], a password is sent using an encryption process that prevents passwords from being revealed during transmission to the LDAP server.

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

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

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

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



19. Press [Change] to the right of "User Name".

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

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

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

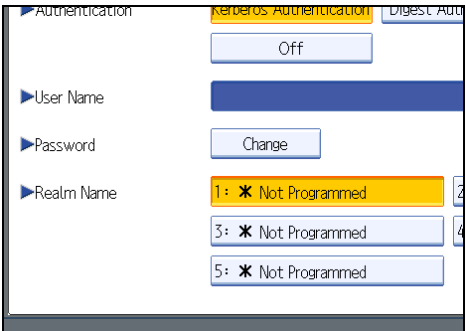
Example: Domain Name\User Name, User Name@Domain Name, CN=Name, OU=Department Name, DC=Server Name

21. Press [Change] to the right of "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. If you select [Digest Authentication] or [Cleartext Authentication], proceed to step 24.

23. Select the Realm.



24. Press [Connection Test].

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

25. Press [Exit].

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

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

26. Press [▼Next].**27. Press [Change] for items you want to use as search conditions from the following: "Name".**

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

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

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

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

29. Press [OK].**30. Press [Exit].****31. Press the [User Tools] key.**

Changing the LDAP server

This section describes how to change the programmed LDAP server.

1. Press the [User Tools] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [▼Next].
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

This section describes how to delete the programmed LDAP server.

1. Press the [User Tools] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [▼Next].
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.

Program the realm to be used for Kerberos authentication.

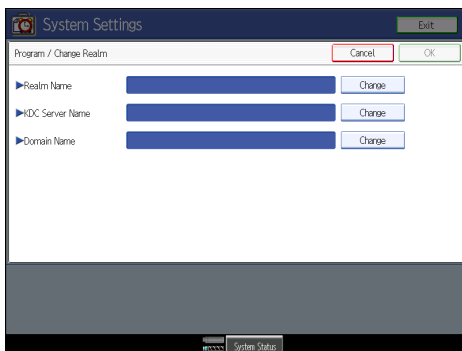
A realm is the network area in which Kerberos authentication is used. After confirming the network environment, specify the necessary items.

You can register up to 5 realms.

Programming the Realm

This section describes how to program the Realm.

1. Press the [User Tools] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [▼Next].
5. Press [Program / Change / Delete Realm].
6. Check that [Program / Change] is selected.
7. Press [*Not Programmed].
8. Press [Change] to the right of "Realm Name".



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

Enter the realm name, or host name.

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

10. Press [Change] to the right of "KDC Server Name".

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

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

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

12. Press [Change] to the right of "Domain Name".

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

Enter the domain name or host name.

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

14. Press [OK].

15. Press [Exit].

16. Press the [User Tools] key.

Changing the Realm

This section describes how to change the programmed Realm.

1. Press the [User Tools] key.

2. Press [System Settings].

3. Press [Administrator Tools].

4. Press [▼Next].

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] to the right of "Realm Name".

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

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

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

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

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

12. To change the domain name, press [Change] to the right of "Domain Name".

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

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

14. Press [OK].

15. Press [Exit].

16. Press the [User Tools] key.

Deleting the Realm

This section describes how to delete the programmed Realm.

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

2. Tray Paper Settings

This chapter describes various items of Tray Paper Settings available in this printer.

Accessing Tray Paper Settings

This section describes how to access Tray Paper Settings menu.

Tray Paper Settings allow you to change or set defaults.

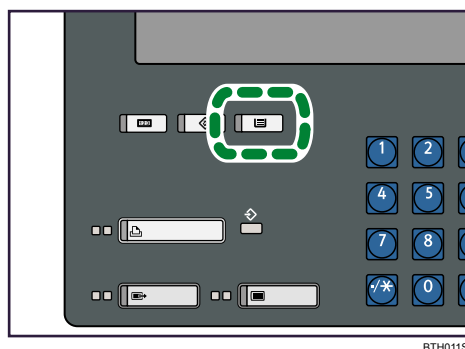
If the specified paper size differs from the actual size of the paper loaded in the paper tray, a misfeed might occur because the correct paper size was not detected.

2

Changing Tray Paper Settings

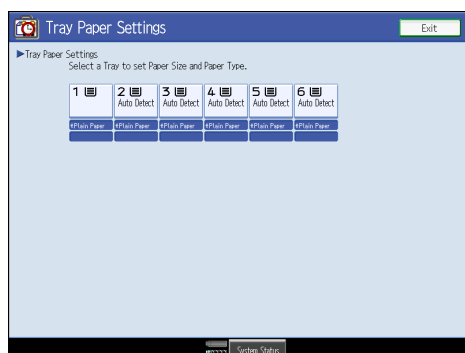
This section describes how to change the settings of Tray Paper Settings.

1. Press the [Tray Paper Setting] key.

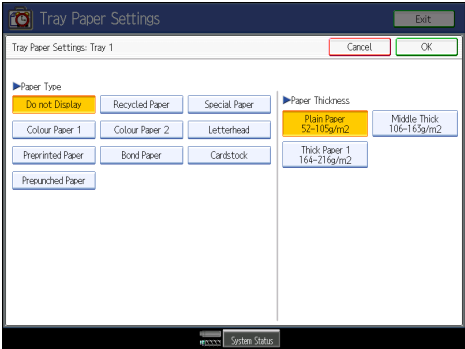


BTH011S

2. Select the tray that you want to change the settings.



3. Change settings, and then press [OK].



4. Press [Exit] to return to the System Settings screen.

To return to the normal screen, press the [Tray Paper Setting] key.

Items of Tray Paper Settings

This section describes the items in Tray Paper Settings menu.

Default settings are shown in **bold type**.

★ Important

- If the specified paper size differs from the actual size of the paper loaded in the paper tray, a misfeed might occur because the correct paper size was not detected.
- If you want to use Prepunched or Back Copied Paper, contact your service representative.

2

Tray 1

Paper Size

You can specify the size of the paper in Tray 1 when printing data from the computer.

The paper size you can set for Tray 1 is A4□(8¹/₂×11□).

The paper guide for the tray 1 is fixed. If you need to change the paper size, contact your service representative.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

The paper types you can set for Tray 1 are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Preprinted Paper], [Bond Paper], [Cardstock], [Prepunched Paper]

The default setting for "Paper Type" is **Do not Display**.

Paper Thickness

The paper thicknesses you can set for Tray 1 are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 1 (with the optional A3/11×17 Tray Unit)

2

Paper Size

You can select the size of the paper loaded in the optional A3/11×17 tray unit.

The paper size you can set for Tray 1 (with the optional A3/11×17 tray unit) is A3  (11×17 ).

The paper guide for the tray 1 is fixed. If you need to change the paper size, contact your service representative.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

The paper types you can set for Tray 1 (with the optional A3/11×17 tray unit) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Preprinted Paper], [Bond Paper], [Cardstock], [Punchured Paper]

The default setting for "Paper Type" is **Do not Display**.

Paper Thickness

The paper thicknesses you can set for Tray 1 (with the optional A3/11×17 tray unit) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 2

Paper Size

You can select the size of the paper loaded in the paper tray.

The paper sizes you can set for Tray 2 are as follows:

- [Auto Detect]
- A3, A4, A5, B4 JIS, B5 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 13×18, 12×18, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 458.0 mm (5.5 - 18.03 inches) horizontally.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 2 are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper]

The default setting for "Paper Type" is **Do not Display**.

Paper Thickness

The paper thicknesses you can set for Tray 2 are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 3

2

Paper Size

The paper sizes you can set for Tray 3 are as follows:

- [Auto Detect]
- A3, A4, A5, B4 JIS, B5 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 13×18, 12×18, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 458.0 mm (5.5 - 18.03 inches) horizontally.

The default setting is **Auto Detect**.

Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 3 are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper]

The default setting for "Paper Type" is **Do not Display**.

Paper Thickness

The paper thicknesses you can set for Tray 3 are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)

- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 4 (with the optional Large Capacity Tray)

Paper Size

You can select the size of the paper loaded in the optional large capacity tray (LCT).

This menu appears only when the LCT is installed.

The paper sizes you can set for Tray 4 (with the optional LCT) are as follows:

- [Auto Detect]
- A5□, 5¹/₂×8¹/₂□
- A4□, A5□, B5 JIS□, 8¹/₂×11□, 5¹/₂×8¹/₂□

You can specify a custom size. To use a custom size paper on this tray, additional setup is required. For details, contact your service representative.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 4 (with the optional LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 4.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 4 (with the optional LCT) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 4 (with the optional Wide Large Capacity Tray)

Paper Size

The paper sizes you can set for Tray 4 (with the optional Wide LCT) are as follows:

- [Auto Detect]
- A3, A4, A5, A6, B4 JIS, B5 JIS, B6 JIS, SRA3, SRA4,
310×432 mm, 226×310 mm, 210×340 mm, 13×19¹/₅, 13×19, 13×18,
12×18, 12³/₅×19¹/₅, 12³/₅×18¹/₂, 11×17, 11×15, 11×14, 10×15,
10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13,
8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 182×210 mm,
170×210 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

You can specify a custom size between 100.0 - 139.7 mm (3.94 - 5.5 inches) horizontally. To use the custom size paper, additional setup is required. For details, contact your service representative.

The default setting is **Auto Detect**.

Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 4 (with the optional Wide LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Coated Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 4.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 4 (with the optional Wide LCT) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)
- Thick Paper 2
217 - 256 g/m² (80 lb COVER - 140 lb INDEX)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 5 (with the optional Large Capacity Tray)

Paper Size

You can select the size of the paper loaded in the optional large capacity tray (LCT).

This menu appears only when the LCT is installed.

The paper sizes you can set for Tray 5 (with the optional LCT) are as follows:

- [Auto Detect]

- A5□, $5\frac{1}{2} \times 8\frac{1}{2}$ □
- A4□, A5□, B5 JIS□, $8\frac{1}{2} \times 11$ □, $5\frac{1}{2} \times 8\frac{1}{2}$ □

You can specify a custom size. To use a custom size paper on this tray, additional setup is required. For details, contact your service representative.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for the Paper Tray 5 (with the optional LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Label Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 5.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 5 (with the optional LCT) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 5 (with the optional Wide Large Capacity Tray)

Paper Size

The paper sizes you can set for Tray 5 (with the optional Wide LCT) are as follows:

- [Auto Detect]
- A3, A4, A5, A6, B4 JIS, B5 JIS, B6 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 210×340 mm, 13×19¹/₅, 13×19, 13×18, 12×18, 12³/₅×19¹/₅, 12³/₅×18¹/₂, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 182×210 mm, 170×210 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

You can specify a custom size between 100.0 - 139.7 mm (3.94 - 5.5 inches) horizontally. To use the custom size paper, additional setup is required. For details, contact your service representative.

The default setting is **Auto Detect**.

Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 5 (with the optional Wide LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Label Paper], [Coated Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 5.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 5 (with the optional Wide LCT) are as follows:

- Thin Paper
40 - 51 g/m² (11 - 14 lb BOND)
- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)
- Thick Paper 2
217 - 256 g/m² (80 lb COVER - 140 lb INDEX)
- Thick Paper 3
257 - 300 g/m² (140 lb INDEX - 110 lb COVER)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 6 (with the optional Large Capacity Tray)

Paper Size

You can select the size of the paper loaded in the optional large capacity tray (LCT).

This menu appears only when the LCT is installed.

The paper sizes you can set for Tray 6 (with the optional LCT) is A4□(8¹/₂×11□).

You can load only A4 (8¹/₂×11) size paper on this tray. To change the paper size, additional setup is required. For details, contact your service representative.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for the Paper Tray 6 (with the optional LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper]

The default setting for "Paper Type" is **Do not Display**.

Paper Thickness

The paper thicknesses you can set for Tray 6 (with the optional LCT) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 6 (with the optional Wide Large Capacity Tray)

Paper Size

The paper sizes you can set for Tray 6 (with the optional Wide LCT) are as follows:

- [Auto Detect]
- A3, A4, A5, A6, B4 JIS, B5 JIS, B6 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 210×340 mm, 13×19¹/₅, 13×19, 13×18, 12³/₅×19¹/₅, 12³/₅×18¹/₂, 12×18, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 182×210 mm, 170×210 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

You can specify a custom size between 100.0 - 139.7 mm (3.94 - 5.5 inches) horizontally. To use the custom size paper, additional setup is required. For details, contact your service representative.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 6 (with the optional Wide LCT) are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Coated Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 6.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 6 (with the optional Wide LCT) are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)
- Thick Paper 2
217 - 256 g/m² (80 lb COVER - 140 lb INDEX)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Tray 7 (with the optional Multi Bypass Tray and LCT)

Paper Size

You can select the size of the paper loaded in the Tray 7.

This menu appears only when the optional multi bypass tray is installed.

The paper sizes you can set for Tray 7 are as follows:

- [Auto Detect]
- A3☐, A4☐, A5☐, A6☐, B4 JIS☐, B5 JIS☐, B6 JIS☐, SRA4☐,
226×310 mm☐, 210×340 mm☐, 12×18☐, 11×17☐, 11×15☐, 11×14☐,

- 10×15□, 10×14□, 8¹/₂×14□, 8¹/₄×14□, 8¹/₂×13□, 8¹/₄×13□, 8×13□,
 8¹/₂×11□, 8×10□, 7¹/₄×10¹/₂□, 5¹/₂×8¹/₂□, 8K□, 16K□
- A4□, A5□, B5 JIS□, 182×210 mm□, 170×210 mm□, 8¹/₂×11□,
 7¹/₄×10¹/₂□, 5¹/₂×8¹/₂□, 16K□
 - [Custom Size]

You can specify a custom size of between 100.0 - 305.0 mm (3.94 - 12.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 7 are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 7.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 7 are as follows:

- Plain Paper
 52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
 106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
 164 - 216 g/m² (90 lb INDEX - 80 lb COVER)
- Thick Paper 2
 217 - 256 g/m² (80 lb COVER - 140 lb INDEX)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

2 Tray 7 (with the optional Multi Bypass Tray and Wide LCT)

Paper Size

You can select the size of the paper loaded in the Tray 7.

This menu appears only when the optional multi bypass tray is installed.

The paper sizes you can set for Tray 7 are as follows:

- [Auto Detect]
- A3, A4, A5, A6, B4 JIS, B5 JIS, B6 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 210×340 mm, 13×19¹/₅, 13×19, 13×18, 12³/₅×19¹/₅, 12³/₅×18¹/₂, 12×18, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₄×14, 8¹/₂×13, 8¹/₄×13, 8×13, 8¹/₂×11, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 182×210 mm, 170×210 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 100.0 - 330.2 mm (3.94 - 13.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

The default setting is **Auto Detect**.

↓ Note

- For details about paper sizes that can be automatically detected, see "Recommended Paper Sizes and Types", About This Machine.

Paper Type

You can set the display so you can see what type of paper is loaded in the paper tray.

This information is used to automatically select the paper tray.

The paper types you can set for Tray 7 are as follows:

[Do not Display], [Recycled Paper], [Special Paper], [Color Paper 1] ([Colour Paper 1]), [Color Paper 2] ([Colour Paper 2]), [Letterhead], [Translucent Paper], [Preprinted Paper], [Bond Paper], [Cardstock], [OHP (Transparency)], [Prepunched Paper], [Tab Stock]

The default setting for "Paper Type" is **Do not Display**.

The optional tab sheet holder is required when using tab stock in Tray 7.

The Tab Position Shift can be set in millimeters, when Tab Stock has been selected.

The Tab Position Shift can be set in 1 millimeter / 1 inch units, within a range of 0 to 15 mm (0 to 0.6 inches). The default is **13 mm (0.5 inches)**.

Paper Thickness

The paper thicknesses you can set for Tray 7 are as follows:

- Plain Paper
52 - 105 g/m² (14 - 28 lb BOND)
- Middle Thick
106 - 163 g/m² (28 lb BOND - 90 lb INDEX)
- Thick Paper 1
164 - 216 g/m² (90 lb INDEX - 80 lb COVER)
- Thick Paper 2
217 - 256 g/m² (80 lb COVER - 140 lb INDEX)

The default setting is **Plain Paper**.

For details about the relations between possible paper sizes and thickness, see "Recommended Paper Sizes and Types", About This Machine.

For details about the recommended conditions for using thick paper, see "Thick Paper", About This Machine.

Interposer Upper and Lower Tray (with the Optional Cover Interposer Tray)

Paper Size

You can select the size of the paper loaded in the interposer upper and lower tray.

This menu appears only when the optional cover interposer tray is installed.

The paper sizes you can set for interposer upper and lower tray are as follows:

- [Auto Detect]
- A3, A4, A5, B4 JIS, B5 JIS, SRA3, SRA4, 310×432 mm, 226×310 mm, 210×340 mm, 13×19¹/₅, 13×19, 13×18, 12³/₅×19¹/₅, 12³/₅×18¹/₂, 12×18, 11×17, 11×15, 11×14, 10×15, 10×14, 8¹/₂×14, 8¹/₂×13, 8¹/₂×11, 8¹/₄×14, 8¹/₄×13, 8×13, 8×10, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 8K, 16K
- A4, A5, B5 JIS, SRA4, 226×310 mm, 182×210 mm, 170×210 mm, 8¹/₂×11, 7¹/₄×10¹/₂, 5¹/₂×8¹/₂, 16K
- [Custom Size]

You can specify a custom size of between 139.7 - 330.2 mm (5.5 - 13.0 inches) vertically, and between 139.7 - 487.7 mm (5.5 - 19.2 inches) horizontally.

The default setting is **Auto Detect**.

 **Note**

- For details about paper sizes that can be automatically detected, see “Recommended Paper Sizes and Types”, About This Machine.

3. Printer Settings

This chapter explains the network-related settings that are available under System Settings. For details about the other settings under System Settings, see "Printer Features", Printer Reference.

Interface Settings

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

To change the settings in this menu, you must enter the password for printer settings.

For details about printer settings, see "Administrator Configuration", Printer Reference.

3

Network

The following settings are available under [Network] on the [Interface Settings] tab.

IPv4

Select whether or not to allow communication over an IPv4 network. If the setting has been changed from inactive to active, you must restart the printer to apply the new setting.

The default setting is **Active** (communication over IPv4 is allowed).

IPv4 Address

Specify the printer's IPv4 address.

Subnet Mask

Specify the printer's IPv4 subnet mask.

IPv4 Default Gateway Address

Specify the printer's IPv4 gateway address.

IP Address Setting Method

Specify the method by which the printer obtains its printer's IP address: automatically by DHCP (from a server), or by manual entry.

The default setting is **Specify** (manual entry).

This setting becomes effective after the printer has been restarted.

Transmission Speed

Specify the method and speed of transmission. This setting becomes effective after the printer has been restarted.

Select the speed that matches your network environment. We recommend you select [Auto Select] if you are unsure of your network's specifications.

The default setting is **Auto Select**.

	10Mbps Half Duplex	10Mbps Full Duplex	100Mbps Half Duplex	100Mbps Full Duplex	1 Gbps Full Duplex	Auto Select
10Mbps Half Duplex	●	—	—	—	—	—
10Mbps Full Duplex	—	●	—	—	—	—
100Mbps Half Duplex	—	—	●	—	—	—
100Mbps Full Duplex	—	—	—	●	—	—
1 Gbps Full Duplex	—	—	—	—	●	—
Auto Select	—	—	—	—	—	●

IPv6

Select whether or not to allow communication over an IPv6 network. If the setting has been changed from inactive to active, you must restart the printer to apply the new setting.

The default setting is **Active** (communication over IPv6 is allowed).

IPv6 Address

Select this to browse for the link local address, stateless address (max: 5), and the default gateway for the IPv6 network.

Manual Configuration Address

Specify the printer's IPv6 address.

Stateless Address Autoconfiguration

You can select whether or not to automatically select the stateless address for the IPv6 network. To change the setting from "Active" to "Inactive", restart the printer to make the setting effective.

The default setting is **Active**.

HTTP Port Number

Select the port to be used to connect to Web Interface. This setting becomes effective after the printer has been restarted.

The default setting is **80**.

DDNS Configuration

Enable or disable DDNS.

The default setting is **Inactive** (DDNS is disabled).

Domain Name

Specify the method by which the printer obtains its domain name: automatically by DNS (from a server), or by manual entry. If you select manual entry, you must enter the domain name, and then restart the printer for this name to become effective.

The default setting is **Specify** (manual entry).

DNS Server IPv4 Address

Specify the method by which the printer obtains the DNS server's address: automatically, or by manual entry.

The default setting is **Specify** (manual entry).

DNS Server IPv6 Address

You can specify the IPv6 address for the DNS server.

Host Name

Enter a host name for this printer.

Parallel Interface

The following settings are available under [Parallel Interface] on the [Interface Settings] tab.

ACK Response Time

Specify the Ack pulse interval by entering a number between 500 and 12750.

The default setting is **1000 ns**.

Mode

Select the mode for the parallel interface.

The default setting is **IEEE 1284**.

Emulation

Specify the emulation mode and the PostScript data format.

The default setting is **Auto**.

IEEE 802.1X

The following settings are available under [IEEE 802.1X] on the [Interface Settings] tab.

The changes made on this tab become effective when you change the screen.

The IEEE 802.1X authentication function is not available for a print network.

Although the settings for IEEE 802.1X are displayed on the operation panel and Web Interface, they cannot be configured.

On the printed list of settings, the settings for IEEE 802.1X will always be shown as [Inactive].

IEEE 802.1X

Select whether or not to allow IEEE 802.1X wired communication.

The default setting is **Inactive** (disabled).

EAP-TLS

Select whether to enable or disable EAP-TLS.

The default setting is **Inactive** (disabled).

EAP-TLS (PAP)

Select whether to activate or inactivate EAP-TLS (PAP).

The default setting is **Inactive** (disabled).

PEAP (MSCHAPv2)

Select whether to activate or inactivate PEAP (MSCHAPv2).

The default setting is **Inactive** (disabled).

LEAP

Select whether to enable or disable LEAP.

The default setting is **Inactive** (disabled).

User Name

Enter a user the name for the IEEE 802.1X wired connection.

Password

Enter a password for the IEEE 802.1X wired connection.

Network Security

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

Using this tab, you can select whether the IPv4 and IPv6 ports for each protocol are open (active) or closed (inactive).

To change the settings in this menu, you must enter the password for printer settings.

DIPRINT

- IPv4 / IPv6

The default setting is **Active**.

LPR / LPD

- IPv4 / IPv6

The default setting is **Active**.

HTTP

- IPv4 / IPv6

The default setting is **Active**.

IPP

- IPv4 / IPv6

The default setting is **Inactive**.

IPP (Port 631)

- IPv4 / IPv6

The default setting is **Inactive**.

SSL / TLS (Port 443)

- IPv4 / IPv6

The default setting is **Active**.

AppleTalk

The default setting is **Active**.

SNMP Public Write

The default setting is **Inactive**.

SNMP

- IPv4 / IPv6

The default setting is **Active**.

Access Control

This section describes the user tools in the Access Control menu under Printer Settings.

Using this tab, you can limit the IP addresses that are allowed to access the printer to a specified range. Up to five settings each for IPv4 and IPv6 can be specified.

To change the settings on this menu, you must enter the password for printer settings.

Access Control Range 1-5

3

- Start Address

Enter the start address of the access control range by entering an IP address between 0.0.0.0 to 255.255.255.254. If you are using this printer in an IPv6 environment, you can enter up to 45 characters (0-9, A-F, a-f, ":" and "."). Note however that Multicast is not available in an IPv6 environment.

- End Address

Enter the end address of the access control range by entering an IP address between 0.0.0.0 to 255.255.255.254. If you are using this printer in an IPv6 environment, you can enter up to 45 characters (0-9, A-F, a-f, ":" and "."). Note however that Multicast is not available in an IPv6 environment.

- Authentication

Select whether to authenticate access attempts from IP addresses within the specified range.

- Mask Value

Enter the mask value of the IP addresses.

- Mask Length

Specify the mask length of the IP addresses by entering a number between 1 and 128.

IPP Authentication

This section describes the user tools in the IPP Authentication menu under Printer Settings.

Using this tab, you can specify which users have IPP access to the printer.

To change the settings in this menu, you must enter the password for printer settings.

Authentication

Select whether or not authentication is applied. If you chose to apply authentication, you must then select [BASIC] or [DIGEST] as the authentication method.

The default setting is **Inactive** (authentication is not applied).

User Name / Password 1-10

Enter the user names and passwords of the users who you want to grant IPP access to. You can enter the details of up to 10 users.

SSL/TLS

This section describes the user tools in the SSL/TLS menu under Printer Settings.

You can also configure SSL/TLS on this tab.

To change this setting, you must enter the printer settings password.

Permit SSL / TLS Communication

Select [Ciphertext Priority] or [Ciphertext / Cleartext] as the encryption method.

3

↓ Note

- You can select [Ciphertext Only] only if the SSL certificate for the printer is already installed on the printer.
- Only the encryption method can be changed using the control panel. To change any other settings, use Web Interface. For details, see "Enhancing Printer Security", Printer Reference.

4. Connecting the Machine

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

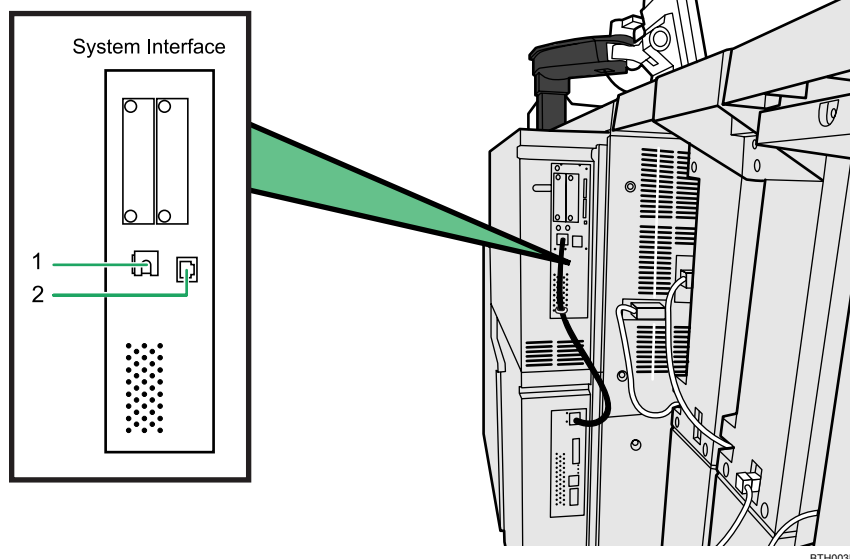
Connecting to the Interfaces

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

This printer has two interfaces: the System Interface and the Printer Interface.

Connecting to the System Interface

This section explains how to use the system interface to connect the printer to a network.



1. Gigabit Ethernet port

Port for connecting the system/printer interface cable.

Do not tamper with the cable that is connecting these interfaces.

If this cable becomes unplugged, contact your service representative.

2. Ethernet port

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

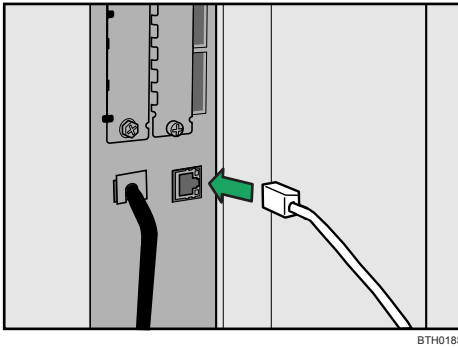
Connecting to the Ethernet Interface

This section describes how to connect Ethernet interface cable to the Ethernet interface.

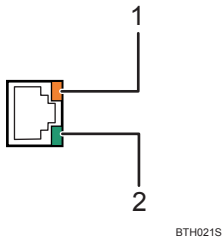
★ Important

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

1. Make sure the main power is switched off.
2. Connect the 100BASE-TX/10BASE-T cable to the Ethernet port.



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 printer.



1. Indicator (yellow)

Lights up yellow when 100 BASE-TX is in operation. Goes off when 10 BASE-T is in operation.

2. Indicator (green)

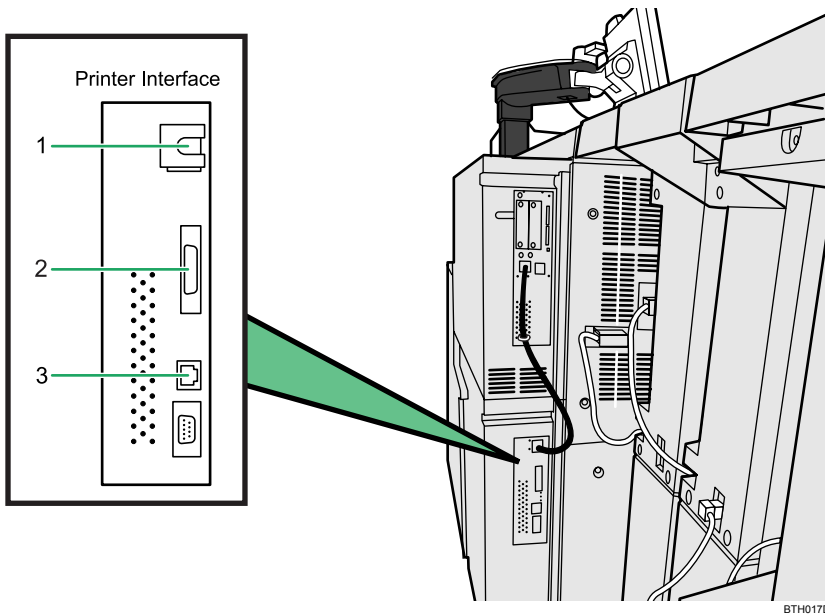
Lights up green when 10 BASE-T is in operation. Goes off when 100 BASE-TX is in operation.

↓ Note

- For details about how to turn on the main power switch, see "Turning On the Main Power", About This Machine.
- For details about installing the printer driver, see "Preparing the Machine", Printer Reference.

Connecting to the Printer Interface

This section explains how to use the printer interface to connect the printer to a network.



1. Gigabit Ethernet port

Port for connecting the system/printer interface cable.

Do not tamper with the cable that is connecting these interfaces.

If this cable becomes unplugged, contact your service representative.

2. IEEE 1284 port

Port for connecting the IEEE 1284 interface cable.

3. Gigabit Ethernet port

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

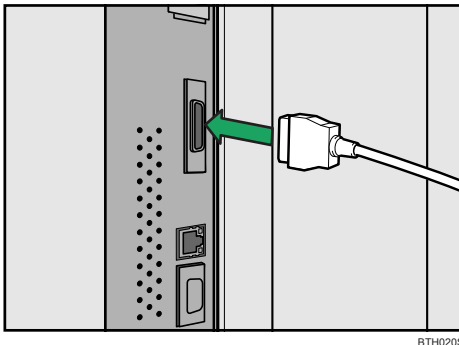
Connecting to the IEEE 1284 Interface

This section describes how to connect the IEEE 1284 interface cable to the IEEE 1284 interface board.

CAUTION

- For users outside the United States of America: 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.
- For users in the United States of America: properly shielded and grounded cables and connectors must be used for connections to a host computer (and/or peripheral) in order to meet FCC emission limits.

1. **Make sure the main power is switched off.**
2. **Turn off the main power switch of the host computer.**
3. **Connect the IEEE 1284 interface cable to the IEEE 1284 port.**



You might have to use a conversion adapter to connect the cable to the interface. For details about acquiring a conversion adapter, consult your sales or service representative.

4. **Connect the other end of the cable into the interface connector on the host computer.**

Check the shape of the connector to the computer. Connect the cable firmly.

5. **Turn on the main power switch of the printer.**
6. **Turn on the host computer.**

A printer driver installation screen might appear when the computer is turned on. If this happens, click [Cancel] on the screen.

Note

- For details about how to turn on the main power switch, see "Turning On the Main Power", About This Machine.
- For details about installing the printer driver, see "Preparing the Machine", Printer Reference.

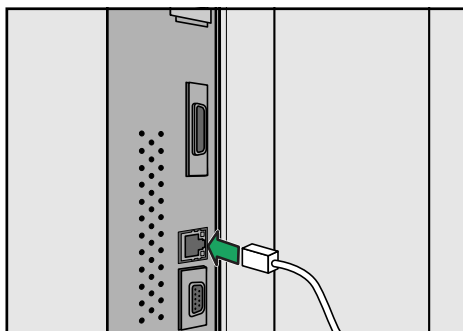
Connecting to the Gigabit Ethernet Interface

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

★ Important

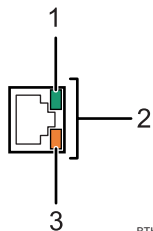
- If the main power switch is on, turn it off.
 - Use the following Ethernet cables.
 - When using 100BASE-TX/10BASE-T:
Unshielded Twisted Pair Cable (UTP) or Shielded Twisted Pair Cable (STP) and Category type 5 or more
 - When using 1000BASE-T:
Unshielded Twisted Pair Cable (UTP) or Shielded Twisted Pair Cable (STP) and Category type 5e or more
1. Make sure the main power is switched off.
 2. Connect the Ethernet interface cable to the Gigabit Ethernet port.

4



BTH019S

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 printer.



BTH022S

1. Indicator (green)

When 10BASE-T is operating, the LED is lit green. When 100BASE-TX is operating it is turned off.

2. Indicators (both green and yellow)

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

3. Indicator (yellow)

When 100BASE-TX is operating, the LED is lit yellow. When 10BASE-T is operating, it is turned off.

Note

- For details about how to turn on the main power switch, see "Turning On the Main Power", About This Machine.
- For details about installing the printer driver, see "Preparing the Machine", Printer Reference.
- For details about interface settings, see "Interface Settings".

Reference

- p.69 "Interface Settings"

Network Settings Required to Use the Printer

This section lists the network (printer) settings required to use the printer function.

★ Important

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

Ethernet

This section lists the settings required to use the printer function with an Ethernet connection.

Menu	User Tool	Setting Requirements
Interface Settings/Network	IPv4	Necessary
Interface Settings/Network	IPv4 Address	Necessary
Interface Settings/Network	Subnet Mask	As required
Interface Settings/Network	IPv4 Default Gateway Address	As required
Interface Settings/Network	IP Address Setting Method	As required
Interface Settings/Network	Transmission Speed	As required
Interface Settings/Network	IPv6	As required
Interface Settings/Network	IPv6 Address	As required
Interface Settings/Network	Manual Configuration Address	As required
Interface Settings/Network	Stateless Address Autoconfiguration	As required
Interface Settings/Network	HTTP Port Number	As required
Interface Settings/Network	DDNS Configuration	As required
Interface Settings/Network	Domain Name	As required
Interface Settings/Network	DNS Server IPv4 Address	As required
Interface Settings/Network	DNS Server IPv6 Address	As required
Interface Settings/Network	Host Name	As required

Note

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

Reference

- p.69 "Interface Settings"

Network Settings Required to Use E-mail Function

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

★ Important

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

Ethernet

This section lists the settings required for sending e-mail with an Ethernet connection.

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

Menu	User Tool	Setting Requirements
Interface Settings/Network	Host Name	As required
E-mail Settings	SMTP Server	Necessary
E-mail Settings	SMTP Authentication	As required
E-mail Settings	POP before SMTP	As required
E-mail Settings	Reception Protocol	As required
E-mail Settings	POP3 / IMAP4 Settings	As required
E-mail Settings	Administrator's E-mail Address	As required
E-mail Settings	E-mail Communication Port	As required

↓ 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], also make settings for Reception Protocol and POP3 / IMAP4 Settings.
- When setting POP before SMTP to [On], check POP3 port number in E-mail Communication Port.
- For details about how to specify the settings, see "Interface Settings" and "E-mail Settings".

📖 Reference

- p.27 "Interface Settings"
- p.32 "E-mail Settings"

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, Web Interface, and telnet.

↓ Note

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

📖 Reference

- p.104 "Using Web Image Monitor"
- p.119 "Using Web Interface"
- p.124 "Remote Maintenance by telnet"

Interface Settings (System)

This section describes how to make Interface settings (System) using utilities.

Change settings by using Web Image Monitor, and telnet.

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

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

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

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

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

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

[Network] → [IPv4 Gateway Address]

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

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

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

[Network] → [IPv6 Gateway Address]

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

[Network] → [IPv6 Stateless Address Autoconfiguration]

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

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

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

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

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

[Network] → [DDNS Configuration]

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

[Network] → [IPsec]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[Network] → [SMB Computer Name]

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

[Network] → [SMB Work Group]

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

[Network] → [Ethernet Speed]

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

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

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

[Network] → [Restore IEEE 802.1X Authentication to Defaults]

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

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

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

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

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

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

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

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

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

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

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

4**[Network] → [Host Name]**

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

[Network] → [Machine Name]

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

E-mail Settings (System)

This section describes how to make E-mail Settings using utilities.

Change settings by using Web Image Monitor and telnet.

[E-mail Settings] → [SMTP Server]

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

[E-mail Settings] → [SMTP Authentication]

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

[E-mail Settings] → [POP before SMTP]

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

[E-mail Settings] → [Reception Protocol] → [POP3]

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

[E-mail Settings] → [Reception Protocol] → [IMAP4]

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

- telnet: Cannot be used for specifying the setting.

[E-mail Settings] → [Reception Protocol] → [SMTP]

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

[E-mail Settings] → [POP3 / IMAP4 Settings]

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

[E-mail Settings] → [Administrator's E-mail Address]

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

[E-mail Settings] → [E-mail Communication Port]

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

[E-mail Settings] → [E-mail Reception Interval]

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

[E-mail Settings] → [E-mail Storage in Server]

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

Interface Settings (Printer)

This section describes how to make Interface settings (Printer) using utilities.

The IEEE 802.1X authentication function is not available for a print network.

Although the settings for IEEE 802.1X are displayed on the operation panel and Web Interface, they cannot be configured.

On the printed list of settings, the settings for IEEE 802.1X will always be shown as [Inactive].

Change settings by using the Web Interface.

[Network] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv4 Address]

- Web Interface: Can be used for specifying the setting.

[Network] → [Subnet Mask]

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv4 Default Gateway Address]

- Web Interface: Can be used for specifying the setting.

[Network] → [IP Address Setting Method] → "Auto-Obtain (DHCP)"

- Web Interface: Can be used for specifying the setting.

[Network] → [IP Address Setting Method] → "Specify"

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[Network] → [IPv6 Address]

- Web Interface: Can be used for specifying the setting.

[Network] → [Manual Configuration Address]

- Web Interface: Can be used for specifying the setting.

[Network] → [Stateless Address Autoconfiguration] → "Active"

- Web Interface: Can be used for specifying the setting.

[Network] → [Stateless Address Autoconfiguration] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[Network] → [HTTP Port Number]

- Web Interface: Can be used for specifying the setting.

[Network] → [DDNS Configuration] → "Active"

- Web Interface: Can be used for specifying the setting.

[Network] → [DDNS Configuration] → "Inactive"

- Web Interface: Can be used for specifying the setting.

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

- Web Interface: Can be used for specifying the setting.

[Network] → [Domain Name] → "Specify"

- Web Interface: Can be used for specifying the setting.

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

- Web Interface: Can be used for specifying the setting.

[Network] → [DNS Server IPv4 Address] → "Specify"

- Web Interface: Can be used for specifying the setting.

[Network] → [DNS Server IPv6 Address]

- Web Interface: Can be used for specifying the setting.

[Network] → [Host Name]

- Web Interface: Can be used for specifying the setting.

Network Security (Printer)

This section describes how to make Network Security (Printer) using utilities.

Change settings by using Web Interface.

[DIPRINT] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[DIPRINT] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[DIPRINT] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[DIPRINT] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[LPR / LPD] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[LPR / LPD] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[LPR / LPD] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[LPR / LPD] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[HTTP] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[HTTP] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[HTTP] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[HTTP] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[IPP] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[IPP] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[IPP] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[IPP] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[IPP (Port 631)] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[IPP (Port 631)] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[IPP (Port 631)] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[IPP (Port 631)] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[SSL / TLS (Port 443)] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[SSL / TLS (Port 443)] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[SSL / TLS (Port 443)] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[SSL / TLS (Port 443)] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[AppleTalk] → "Active"

- Web Interface: Can be used for specifying the setting.

[AppleTalk] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[SNMP Public Write] → "Active"

- Web Interface: Can be used for specifying the setting.

[SNMP Public Write] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[SNMP] → [IPv4] → "Active"

- Web Interface: Can be used for specifying the setting.

[SNMP] → [IPv4] → "Inactive"

- Web Interface: Can be used for specifying the setting.

[SNMP] → [IPv6] → "Active"

- Web Interface: Can be used for specifying the setting.

[SNMP] → [IPv6] → "Inactive"

- Web Interface: Can be used for specifying the setting.

Access Control (Printer)

This section describes how to make Access Control (Printer) using utilities.

Change settings by using Web Interface.

[IPv4] → [Access Control Range 1] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 1] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 1] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 1] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 2] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 2] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 2] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 2] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 3] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 3] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 3] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 3] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 4] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 4] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 4] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 4] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 5] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 5] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 5] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv4] → [Access Control Range 5] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Range] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Range] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Range] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Range] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Mask] → [Mask Value]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Mask] → [Mask Length]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Mask] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 1] → [Mask] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Range] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Range] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Range] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Range] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Mask] → [Mask Value]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Mask] → [Mask Length]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Mask] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 2] → [Mask] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Range] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Range] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Range] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Range] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Mask] → [Mask Value]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Mask] → [Mask Length]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Mask] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 3] → [Mask] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Range] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Range] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Range] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Range] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Mask] → [Mask Value]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Mask] → [Mask Length]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Mask] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 4] → [Mask] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Range] → [Start Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Range] → [End Address]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Range] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Range] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Mask] → [Mask Value]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Mask] → [Mask Length]

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Mask] → [Authentication] → "On"

- Web Interface: Can be used for specifying the setting.

[IPv6] → [Access Control Range 5] → [Mask] → [Authentication] → "Off"

- Web Interface: Can be used for specifying the setting.

IPP Authentication (Printer)

This section describes how to make IPP Authentication (Printer) using utilities.

Change settings by using Web Interface.

[Authentication] → [Inactive]

- Web Interface: Can be used for specifying the setting.

[Authentication] → [BASIC]

- Web Interface: Can be used for specifying the setting.

[Authentication] → [DIGEST]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 1]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 2]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 3]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 4]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 5]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 6]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 7]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 8]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 9]

- Web Interface: Can be used for specifying the setting.

[User Name / Password 10]

- Web Interface: Can be used for specifying the setting.

SSL/TLS (Printer)

This section describes how to make SSL/TLS (Printer) using utilities.

Change settings by using Web Interface.

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

- Web Interface: Can be used for specifying the setting.

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

- Web Interface: Can be used for specifying the setting.

5. Monitoring and Configuring the Printer

This chapter describes how to monitor and configure the printer.

Using Web Browser

Using Web browser, you can check the printer status and change System settings or Printer Settings.

Available operations

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

- Making system settings
- Configuring the network settings for the device (including the security settings)
- Displaying device status (details about device related errors)
- Configuring the paper source and output tray settings
- Making e-mail settings

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

- Making printer settings
- Configuring the network settings for the printer (including the security settings)
- Displaying device status (details about printer related errors, etc.)
- Checking the print job status or history

Configuring the machine

To perform the operations from Web browser, TCP/IP is required. After the printer is configured to use TCP/IP, operations from Web browser become available.

Recommended Web browser

Web Image Monitor

- Windows:
 - Internet Explorer 5.5 SP2 or higher
 - Firefox 1.0 or higher
- Mac OS:
 - Firefox 1.0 or higher
 - Safari 1.0, 1.2, 2.0 (412.2) or higher

Web Interface

- Windows:

Internet Explorer 6.0 SP2 or higher

Firefox 2.0 or higher

- Mac OS:

Firefox 2.0 or higher

Safari 3.1 or higher

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

Note

- To use Web Image Monitor and Web Interface, an IP address, login user name, and login password specific to each function are required. For details, consult your administrator.
- Display and operation problems can occur if you do not enable JavaScript and cookies, and if you are not using the recommended Web browser. Note that inappropriate security settings and use of a Web browser that is older than the recommended version can also result in display and operation problems.
- 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.
- Printer information is not automatically updated. To perform an update, click [Refresh] in the display area.
- We recommend using Web browser in the same network.
- If the printer is firewall-protected, it cannot be accessed from computers outside the firewall.
- When using the printer under DHCP, the IP address may be automatically changed by the DHCP server settings. Enable DDNS setting on the printer, and then connect using the printer's host name. Alternatively, set a static IP address to the DHCP server.
- If the HTTP port is disabled, connection to the printer using the printer's URL cannot be established. SSL setting must be enabled on this printer. For details, consult your network administrator.
- When using the SSL encryption protocol, enter "https://(printer's IP address or host name)/".
- Internet Explorer must be installed on your computer. Use the most recent available version. We recommend Internet Explorer 6.0 or later.
- When you are using Firefox, fonts and colors may be different, or tables may be out of shape.
- When using a host name under Windows Server 2003/2003 R2/2008/2008 R2, or Windows Vista/7 with IPv6 protocol, perform host name resolution using an external DNS server. The host file cannot be used.
- To use JAWS 7.0 under Web Image Monitor, you must be running Windows OS and Microsoft Internet Explorer 5.5 SP2, or a later version.
- When using Web Image Monitor with Internet Explorer 7.0 in an IPv6 environment, enter the host name of this printer, instead of the IP address, in the Web browser's URL bar. For the procedure for

adding the host name of this printer to the host file, see "Using a Host Name Instead of an IPv4 Address", Printer Reference.

Reference

- p.104 "Using Web Image Monitor"
- p.119 "Using Web Interface"

Using Web Image Monitor

To use Web Image Monitor, connect the cable to the System Interface.

Reference

- p.77 "Connecting to the System Interface"

Displaying Top Page

This section explains how to display Web Image Monitor, and also describes the items on the Top Page.

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".

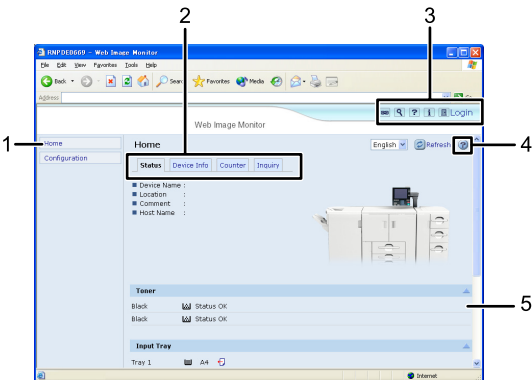
1. Start your Web browser.
2. Enter "http://(system's IP address or host name)/" in your Web browser's URL bar.

Top Page of Web Image Monitor appears.

If the printer'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://(system's IP address or host name)/".

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



BTH013S

1. Menu area

If you select menu, its content will be shown on the work area, or the sub area.

2. Tab area

Details about each menu appear.

3. Header area

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

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

4. Help

Use Help to view or download Help file contents.

5. Display area

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

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

↓ Note

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

5**When User Authentication is Set****Login**

Use the following procedure to log on when user authentication is set.

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

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

↓ Note

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

Log out

1. Click [Logout] to log off.

↓ Note

- When you log on and made the setting, always click [Logout].

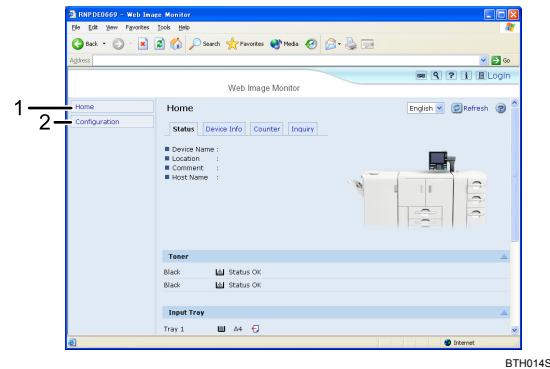
About Menu and Mode

There are two modes available with Web Image Monitor: guest mode and administrator mode. Displayed items may differ depending on the printer type.

About Menu and Mode with Web Image Monitor

Guest Mode

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



1. Home

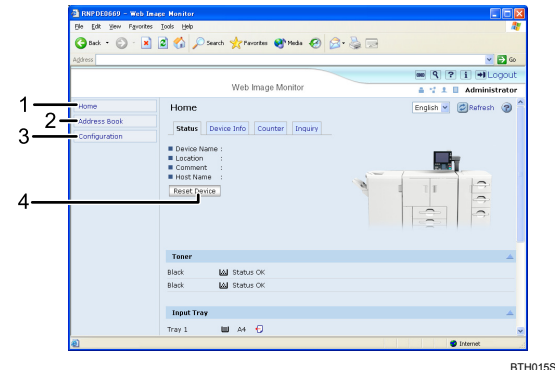
The [Status], [Device Info], [Counter], and [Inquiry] tabs are displayed. Details of the tab menu are displayed on the work area.

2. Configuration

Displays current printer and network settings.

Administrator Mode

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



1. Home

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

2. Address Book

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

3. Configuration

System settings for the printer, interface and security can be made.

4. Reset Device

Click to reset the printer. If a print job is being processed, the printer will be reset after the print job is completed. This button is located on Top Page.

Access in the Administrator Mode

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

5

1. On Top Page, click [Login].

The window for entering the 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 network administrator.

List of Setting Items

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

- Guest mode: logged on as a user
- Administrator mode: logged on as an administrator

List of Setting Items with Web Image Monitor

Home

Status

Menu	Guest mode	Administrator mode
Toner	Read	Read
Input Tray	Read	Read
Output Tray	Read	Read

Device Info

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

Counter

Menu	Guest mode	Administrator mode
Printer	Read	Read
GPC Counter	Read	Read
Other Function(s)	Read	Read

Inquiry

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

Address Book

Menu	Guest mode	Administrator mode
Address Book	None	Read/Modify

Configuration

Device Settings

Menu	Guest mode	Administrator mode
System	Read	Read/Modify
Paper	Read	Read/Modify
Date/Time	Read	Read/Modify
Timer	Read	Read/Modify

Menu	Guest mode	Administrator mode
Logs	None	Read/Modify
Download Logs	None	Read/Modify
E-mail	Read	Read/Modify
Auto E-mail Notification	None	Read/Modify
On-demand E-mail Notification	None	Read/Modify
User Authentication Management	None	Read/Modify
Administrator Authentication Management	None	Read/Modify
Program/Change Administrator	None	Read/Modify
LDAP Server	None	Read/Modify
Firmware Update	None	Read/Modify
Program/Change Realm	None	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
SMB	Read	Read/Modify
SNMP	None	Read/Modify
SNMPv3	None	Read/Modify

Menu	Guest mode	Administrator mode
SSDP	None	Read/Modify
Bonjour	Read	Read/Modify
System Log	Read	Read

Security

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

RC Gate

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

Webpage

Menu	Guest mode	Administrator mode
Webpage	Read	Read/Modify

Extended Feature Settings

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

↓ Note

- Depending on the security settings you have configured, some items might not be displayed.

Displaying Web Image Monitor Help

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



Viewing Help on our Web site

Downloading Help to your computer

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 "?" () in the header area, the contents of Help appear.
- By clicking "?" () in the display area, Help for the setting items in the display area appears.

Downloading Help

1. In the [OS] list, select the operating system.
2. In the [Language] list, select the language.
3. Click [Download].
4. Download Help by following the instructions on the screen.
5. Store the downloaded compressed file in a given location, and then decompress the file.

To create a link for the Help button () , save the downloaded Help files on a Web server.

Linking the URL of the downloaded Help

You can link the URL of the Help file on a computer or Web server to the "?" button.


5

1. Log on to Web Image Monitor in the administrator mode.
2. In the menu area, click [Configuration].
3. Click [Webpage].
4. In the [Set Help URL Target] box, enter the URL of the Help file.

If you saved the Help file to "C:\HELP\EN", enter "file:///C:/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].

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 ().

Printer 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 printer 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 e-mail notification

Information including the printer status is automatically sent by e-mail. Before you use this function, register the e-mail address to be used.

- On-demand e-mail notification

Information including the printer status is sent by e-mail when a request from the administrator is received.

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

- Call Service
- Out of Toner
- Toner Almost Empty
- Paper Misfeed
- Cover Open
- Out of Paper
- Almost Out of Paper
- Paper Tray Error
- Output Tray Full
- Unit Connection Error
- Duplex Unit Error
- Waste Toner Bottle is Full
- Waste Toner Bottle is Almost Full
- Add Staples
- Hole Punch Receptacle is Full

- File Storage Memory Full Soon
- Waste Staple Receptacle is Full
- Log Error
- Device Access Violation
- Replacement Required: Unit
- Replacement Required Soon: Unit
- Waste Paper Receptacle is Full

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

2. In the menu area, click [Configuration].

3. Click [E-mail] on the [Device Settings] area.

4. Make the following settings:

- Items in the Reception column: Make the necessary settings for sending and receiving e-mail.
- Items in the SMTP column: Configure the SMTP server. Check your mailing environment, and then specify the necessary items. You can also perform mail authentication for the SMTP server.
- Items in the POP before SMTP column: Configure the POP server. Check your mailing environment, and then specify the necessary items. You can also perform mail authentication for the POP server.
- Items in the POP3/IMAP4 column: Configure the POP3 or IMAP4 server. Check your mailing environment, and then specify the necessary items.
- Items in the E-mail Communication Port column: Configure the port to be used for access to the mail server.
- Items in the E-mail Notification Account column: Specify these items If you want to use e-mail notification.

5. Click [OK].

6. Click [Logout].

7. Quit Web Image Monitor.

Note

- For details about login user name and password, see Security Reference, which is the administrator's manual.
- For details about the settings, see Web Image Monitor Help.
- For details about Web Image Monitor, see "Using Web Image Monitor".

Reference

- p.104 "Using Web Image Monitor"

Setting the Account for E-mail Notification

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

1. Log on to Web Image Monitor in administrator mode.
2. Click [Configuration] in the menu area, and then click [E-mail] on the [Device Settings] area.
3. Make the following settings in E-mail Notification Account column:
 - E-mail Notification E-mail Address: Enter the address using alphanumeric characters.
 - Receive E-mail Notification: Specify whether to use on-demand e-mail notification.
 - E-mail Notification User Name: Enter the administrator's user name as the mail originator name.
 - E-mail Notification Password: Enter the password of the mail notification user.
4. Click [OK].
5. Click [Logout].
6. Quit Web Image Monitor.

Note

- The user name and e-mail address that is 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 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 on to Web Image Monitor in administrator mode.
2. Click [Configuration] in the menu area, and then click [E-mail] on the [Device Settings] area.
3. Make the following settings in SMTP column:
 - SMTP Server Name: Enter the IP address or host name of the SMTP server.
 - SMTP Port No.: Enter the port number used when sending e-mail to the SMTP server.
 - SMTP Authentication: Enable or disable SMTP authentication.
 - SMTP Auth. E-mail Address: Enter the e-mail address.
 - SMTP Auth. User Name: Enter the SMTP account name.

- SMTP Auth. Password: To set or change the password for SMTP AUTH.
- SMTP Auth. Encryption: Select whether to encrypt the password or not.
Encryption-Auto Select: If the authentication method is PLAIN, LOGIN, CRAM-MD5, or DIGEST-MD5.
Encryption-Active: If the authentication method is CRAM-MD5 or DIGEST-MD5.
Encryption-Inactive: If the authentication method is PLAIN or LOGIN.

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

POP before SMTP Authentication

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

1. Log on to Web Image Monitor in administrator mode.
2. Click [Configuration] in the menu area, and then click [E-mail] on the [Device Settings] area.
3. Make the following settings in POP before SMTP column:
 - POP before SMTP: Enable or disable POP before SMTP.
 - POP E-mail Address: Enter the e-mail address.
 - POP User Name: Enter the POP account name.
 - POP Password: To set or change the POP password.
 - Timeout setting after POP Auth.: Enter the time available before connecting to the SMTP server after logging on to the POP server.
4. Click [OK].
5. Click [Logout].
6. Quit Web Image Monitor.

Auto E-mail Notification

1. Log on to Web Image Monitor in administrator mode.
2. Click [Configuration] in the menu area, and then click [Auto E-mail Notification] on the [Device Settings] area.

The dialog box for making notification settings appears.

3. Make the following settings:
 - Notification Message: You can set this according to your needs, for example, the printer'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 printer status and error.

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

4. Click [OK].

5. Click [Logout].

6. Quit Web Image Monitor.

Note

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

Reference

- p.104 "Using Web Image Monitor"

On-demand E-mail Notification

5

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

2. Click [Configuration] in the menu area, and then click [On-demand E-mail Notification] on the [Device Settings] area.

The dialog box for making notification settings appears.

3. 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 printer's location, service representative contact information.
- Restriction to Device Status Info.: Select whether or not to allow access to the information such as the printer settings and status.
- Items in the Receivable E-mail Address/Domain Name Settings column: Enter an e-mail address or domain name to use for requesting information by e-mail and to receive its return e-mail.

4. Click [OK].

5. Click [Logout].

6. Quit Web Image Monitor.

Note

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

Reference

- p.104 "Using Web Image Monitor"

Format of On-demand E-mail Messages

To use mail notification, you need to send an on-demand e-mail message to this printer.

Using your mail software, enter the following:

Item	Description
Subject (Referred to as Subject)	Enter "requeststatus".
From (Referred to as From)	Specify a valid mail address. The device information will be sent to the address specified here.

↓ Note

5

- A mail message must be within 1 MB in size.
- E-mail may be incomplete if sent immediately after power on.
- The subject is not case sensitive.
- The body of a request e-mail has no meaning. Any text written in the e-mail body is ignored.

Using Web Interface

To use Web Interface, connect the cable to the Printer Interface.

Reference

- p.79 "Connecting to the Printer Interface"

Displaying Top Page

This section explains the Top Page and how to display Web Interface.

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".

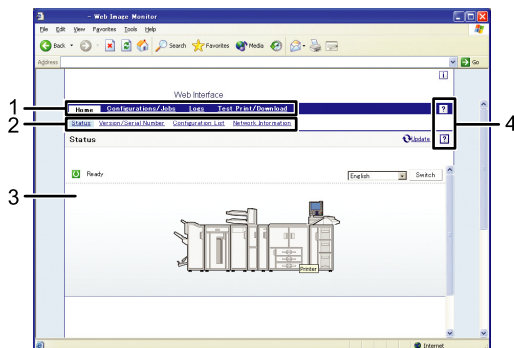
1. Start your Web browser.
2. Enter "http://(printer's IP address or host name)/" in your Web browser's URL bar.

Top Page of Web Interface appears.

If the printer'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://(printer's IP address or host name)/".

Every Web Interface page is divided into the following areas:



BTH016S

1. Menu area

If you select menu, its content will be shown on the work area, or the sub area.

2. Tab area

Details about each menu appear.

3. Display area

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

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

4. Help

Use Help to view or download Help file contents.

Note

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

Access in the Administrator Mode

5

Use the following procedure to access Web Interface in the administrator mode.

In Web Interface, you will be prompted to enter your login user name and password when you click an item that requires the password for printer settings. Only users who have the correct password will be allowed to make changes to the device settings.

1. On Top Page, click [Configurations/Jobs].

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

2. Enter "system" in the user name box and the password for printer settings in the password box, and then click [OK].

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

Note

- The procedure may differ depending on the Web browser used.

List of Setting Items

The following list shows Web Interface items that can be viewed or modified depending on the selected mode on the Web browser.

The IEEE 802.1X authentication function is not available for a print network.

Although the settings for IEEE 802.1X are displayed on the operation panel and Web Interface, they cannot be configured.

On the printed list of settings, the settings for IEEE 802.1X will always be shown as [Inactive].

The [Log] menu is for use by your service technician. Do not change the settings on this menu.

Home

Status

- Supplies

- Replaceable Parts
- Bookmark

Version/Serial Number

- Printer

Configuration List

- General Settings
- Print Settings
- PS/PDF Menu
- PCL Menu

Network Information

Configurations/Jobs

Virtual Printer Settings

Printer Settings

- General Settings
- Print Settings
- Network
- Security
- Emulation Settings

Download Job History

Current/Waiting Job List

Test Print/Download

Test Print/Download

- List of Test Print Target

Download

Note

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

Displaying Web Interface Help

Use the following procedure to view the content of the Help file in Web Interface.

By clicking the "?" () icon in Web Interface, you can view the Help contents.

When using Web Interface help for the first time, download the Help file, and then link the downloaded file to the Help icon.



Viewing Help on our Web site

You can view the Help content on our web site directly.

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 "?" () in the header area, the contents of Help appear.
- By clicking "?" (), the Help icon in the display area, Help for the setting items in the display area appears.
- By specifying the link to the Help file on a Web server, you can view the Help file content over the Internet.

5

Downloading Help

1. Click the "?" () icon in Web Interface.

A screen for downloading the Help file appears.

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 (), 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 "?" button.

1. Access Web Interface.
2. In the menu area, click [Configurations/Jobs].

The window for entering the login user name and password appears.
3. Enter "system" in the user name box and the password for printer settings in the password box, and then click [OK].

For the user name and password for printer settings, consult your administrator.
4. In the sub menu, click [Printer Settings].
5. In the [General Settings] menu, click [Add/Edit Bookmarks].

6. In [URL target of Help [?]] (upper right of the screen)], enter the entire path to the Help file.

If you saved the Help file to "C:\HELP\EN", enter "file:///C:/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/".

7. Click [OK].

Note

- For details about user names and passwords, see "Security Reference", which is the administrator's manual.

Remote Maintenance by telnet

This section explains how to view and change the printer's status and system settings using the telnet command.

Default settings are shown in **bold type**.

★ 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 "mshell", other passwords change also.
- Telnet can be used to specify system settings only. It cannot be used for specifying printer settings.

Using telnet

5

Follow the procedure below to use telnet.

★ Important

- Only one user at a time can log on to perform remote maintenance.
- If you are using Windows Vista, you must enable the telnet server and telnet client beforehand.

1. Use the system's IP address or the host name of the printer to start telnet.

```
% telnet "system's IP address"
```

2. Enter your user name and password.

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

For user authentication, enter a login user name and password.

For user code authentication, enter a user code in User Name.

3. Enter a command.

4. Quit telnet.

```
msh> logout
```

The configuration message about 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 resets, the print job in print process will be printed. However, print jobs in queue will be canceled.

8021x

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

View settings

```
msh> 8021x
```

Configuration

```
msh> 8021x 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, or tls are settings for the phase 2 method, and must be set when using EAP-TTLS or PEAP.
- 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.

```
msh> 8021x 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.

```
msh> 8021x 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.

```
msh> 8021x domain name "character string"
```

- You can specify the login domain name for the Radius server.
- The characters you can enter are ASCII 0x20-0x7e (31 bytes), but not "@" or "\".
- The default is blank.

```
msh> 8021x password "character string"
```

- You can specify the login password for the Radius server.

- Usable characters: ASCII 0x20-0x7e (128 bytes). The default is blank.

```
msh> 8021x srvcert {on|off}
```

- You can set the server certificate. The default is off.

```
msh> 8021x imca {on|off}
```

- You can enable or disable the certificate when the intermediate certificate authority is present. The default is off.

```
msh> 8021x srvid "character string"
```

- You can set the server ID and subdomain of the certificate server.
- Usable characters: ASCII 0x20-0x7e (128 bytes). The default is blank.

```
msh> 8021x subdomain
```

- You can specify permissions for the subdomain.

```
msh> 8021x 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.

5

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 "base-address prefixlen".
- The access range restricts computers from use of the printer by system's 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 ranges.
- IPv6 mask ranges between 1 - 128 can be selected.
- Up to five access ranges can be specified. The entry is invalid if the target number is omitted.
- You cannot send print jobs, or access Web Image Monitor and diprint from a restricted system's IP address.

5

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

Interface	Interface configured
ether	Ethernet interface

 **Note**

- If an interface is not selected, the current interface connection settings remain in effect.
- For details about AutoNet, refer to autonet parameters.

bonjour

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

View settings

Bonjour settings are displayed.

```
msh> bonjour
```

Bonjour service name setting

You can specify the Bonjour service name.

```
msh> bonjour cname "computer name"
```

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

Bonjour Installation location information setting

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

```
msh> bonjour location "location"
```

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

Resetting the computer name and location information

You can reset the computer name and location information.

```
msh> bonjour clear {cname|location}
```

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

Interface configuration

```
msh> bonjour linklocal "interface_name"
```

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

Interface	Interface configured
ether	Ethernet interface

Note

- This printer can display Bonjour commands for non-print functions.

5

devicename

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

View settings

```
msh> devicename
```

Printer name configuration

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

- Enter a printer name using up to 31 alphanumeric characters.
- Set single name for each printer.

Printer name initialization

```
msh> devicename clear name
```

- Reset the printer name to its default.

dhcp

Use the "dhcp" command to configure DHCP settings.

View settings

The following command displays the current DHCP settings.

```
msh> dhcp
```

Configuration

You can configure DHCP.

```
msh> dhcp "interface_name" {on|off}
```

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

Interface name	Interface configured
ether	Ethernet interface

Current interface priority configuration display

```
msh> dhcp priority
```

Interface priority configuration

```
msh> dhcp priority "interface_name"
```

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

DNS server address selection

```
msh> dhcp dnsaddr {dhcp|static}
```

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

Domain name selection

```
msh> dhcp 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".

dhcp6

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

View settings

The following command displays the current DHCPv6 settings.

```
msh> dhcp6
```

DHCPv6-lite configuration and display

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

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

```
msh> dhcp6 dnsaddr {dhco|static}
```

DUID (DHCP unique ID) deletion and display

```
msh> dhcp6 duid clear
```

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

```
msh> dhcp6 option lifetime [0-65535]
```

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

5

dns

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

View settings

The following command displays current DNS settings:

```
msh> dns
```

IPv4 DNS server configuration

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

```
msh> dns "ID" server "server address"
```

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

```
msh> dns 1 server 192.168.15.16
```

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

IPv6 DNS server configuration

The following command enables or disables the IPv6 DNS server address:

```
msh> dns "ID" server6 "server address"
```

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

Dynamic DNS function setting

msh> dns "interface_name" ddns {on|off}

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

Interface name	Interface configured
ether	Ethernet interface

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 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 printer as the DNS client.

The DNS server address and the domain name already designated are used for the registration.

Record updating interval settings

msh> dns interval [1-255]

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

resolv.conf display

msh> dns resolv

Specifying the protocol when asking names during dual stacking

```
msh> dns resolv protocol {ipv4|ipv6}
```

- Appears during dual stacking only.

domainname

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

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 using up to 63 alphanumeric characters.

Interface	Interface set
Ether	Ethernet interface

Deleting the domain name

```
msh> domainname "interface_name" clear name
```

etherauth

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

View settings

```
msh> etherauth
```

802.1x configuration

```
msh> etherauth 8021x {on|off}
```

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

etherconfig

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

View settings

```
msh> etherconfig
```

Specify ethernet speed

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

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

The default is **auto**.

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

Interface name	Interface configured
ether	Ethernet interface

Initializing the printer name for each interface

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

ifconfig

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

View settings

```
msh> ifconfig
```

IPv4 configuration

```
msh> ifconfig "interface_name" "parameter" "address"
```

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

Interface name	Interface configured
ether	Ethernet Interface

The following explains how to configure an IPv4 address 192.168.15.16 on Ethernet interface.

```
msh> ifconfig ether 192.168.15.16
```

IPv6 configuration

```
msh> ifconfig ether inet6 "interface_name" "printer_name"
```

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

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

Netmask configuration

```
msh> ifconfig "interface_name" netmask "address"
```

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

```
msh> ifconfig ether netmask 255.255.255.0
```

Broadcast address configuration

```
msh> ifconfig "interface_name" broadcast "address"
```

Note

- To get the above addresses, contact your network administrator.
- Use the default configuration if you cannot obtain setting addresses.
- The IP address, subnet mask and broadcast address are the same as those for the Ethernet interface.
- Use "0x" as the initial two letters of a hexadecimal address.

ipsec

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

Viewing settings

The following command displays the current IPsec settings:

```
msh> ipsec
```

Note

- For details about displayed contents, see Security Reference.

ipv6

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

View settings

```
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 printer 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 save the changes and 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].

passwd

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

Changing the password

```
msh> passwd
```

- Enter the current password.
- Enter the new password.
- Re-enter the new password to confirm it.

Changing the password of the administrators using the supervisor

```
msh> passwd "Administrator ID"
```

- Enter the new password.
- Re-enter the new password to confirm it.



Note

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

5

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, selecting the "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, select the "pathmtu" to "off".

route

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

Specified route information display

```
msh> route get "destination"
```

- Specify the IPv4 address to destination.
"0.0.0.0" cannot be specified as destination address.

Enabling/disabling specified IPv4 destination

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

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

Adding IPv4 routing table

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

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

Setting the default IPv4 gateway

```
msh> route add default "gateway"
```

Deleting specified IPv4 destination from routing table

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

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

Setting IPv6 default gateway

```
msh> route add6 default gateway
```

Adding a specified IPv6 destination to routing table

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

- Specify the IPv6 address to destination and gateway.
- If the prefix of the address is between 1 and 127, the network is selected. If the prefix of the address is 128, the host is selected.
- You cannot register a record that has the same destination and prefix as a registered record.
- 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.

Display information about a specified IPv6 route information

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

- Specify the IPv6 address to destination and gateway.

Enabling/disabling a specified IPv6 destination

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

Route initialization

```
msh> route flush
```

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 "active" or "inactive".

View settings

The following command displays protocol information (active/inactive).

```
msh> set ipv4
```

```
msh> set ipv6
```

```
msh> set ipsec
```

```
msh> set smb
```

```
msh> set protocol
```

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

```
msh> set ftp
```

```
msh> set ftp6
```

```
msh> set rsh
```

```
msh> set rsh6
```

```
msh> set web
```

```
msh> set snmp
```

```
msh> set ssl
```

```
msh> set ssl6
```

```
msh> set nrs
```

```
msh> set rfu
```

```
msh> set rfu6
```

```
msh> set http
```

```
msh> set http6
```

```
msh> set bonjour
msh> set bonjour6
msh> set nbt
msh> set ssdp
msh> set ssh
msh> set sftp
msh> set sftp6
```

Configuration

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

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

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

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

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

- If you disable IPv6, you cannot use remote access after logging off. If you did this by mistake, you can use the control panel to enable remote access via IPv6.
- Disabling IPv6 also disables ftp6, rsh6, ssl6, http6, bonjour6, and sftp6.

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

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

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

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

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

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

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

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

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

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

- If 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 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}

```

show

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

View settings

```
msh> show
```

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

Reference

- p.163 "Understanding the Displayed Information"

smb

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

Computer name settings

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

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

Work group name settings

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

- Set workgroup name using up to 15 characters.

Comment settings

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

- Set comment using up to 31 characters.

Notify print job completion

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

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

Deleting computer name

```
msh> smb clear comp
```

Deleting group name

```
msh> smb clear group
```

Deleting comment

```
msh> smb clear comment
```

View protocol

```
msh> smb protocol
```

snmp

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

5**View settings**

```
msh> snmp
```

- Default access settings 1 is as follows:
Community name: public
IPv4 address: 0.0.0.0
IPv6 address: ::
Access type: read-only
Effective Protocol: IPv4/IPv6
- Default access settings 2 is as follows:
Community name: admin
IPv4 address: 0.0.0.0
IPv6 address: ::
Access type: read-write
Effective Protocol: IPv4/IPv6
- If "-p" is added, you can view settings one by one.
- To display the current community, specify its registration number.

Display

```
msh> snmp ?
```

Community name configuration

```
msh> snmp "number" name "community_name"
```

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

Deleting community name

```
msh> snmp "number" clear name
```

Access type configuration

```
msh> snmp "number" type "access_type"
```

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

Protocol configuration

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

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

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

Configuration of protocol for each registration number

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

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

Access configuration

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

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

sysLocation configuration

```
msh> snmp location
```

Deleting sysLocation

```
msh> snmp clear location
```

sysContact setting

```
msh> snmp contact
```

Deleting sysContact

```
msh> snmp clear contact
```

SNMP v1v2 function configuration

```
msh> snmp v1v2 {on|off}
```

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

SNMP v3 function configuration

```
msh> snmp v3 {on|off}
```

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

SNMP TRAP configuration

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

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

Remote configuration authorization configuration

```
msh> snmp remote {on|off}
```

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

SNMP v3 TRAP configuration display

```
msh> snmp v3trap
```

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

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

Configuring a sending address for SNMP v3 TRAP

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

Configuring a sending protocol for SNMP v3 TRAP

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

Configuring a user account for SNMP v3 TRAP

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

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

Deleting a SNMP v3 TRAP user account

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

Configuring a SNMP v3 encryption algorithm

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

Configuring SNMP v3 encryption

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

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

↓ Note

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

sntp

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

View settings

```
msh> sntp
```

NTP IPv4 server address configuration

You can specify the IPv4 address of the NTP server.

```
msh> sntp server "IPv4_address"
```

NTP hostname configuration

You can specify the hostname of the NTP server.

```
msh> sntp server "hostname"
```

Deleting NTP server configuration

```
msh> sntp server clear
```

Interval configuration

```
msh> sntp interval "polling_time"
```

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

Time-zone configuration

```
msh> sntp timezone "±hour_time"
```

- You can specify the time difference between the printer clock and NTP server clock. Enter a value between -12:00 and +13:00.

Note

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

ssdp

Use the "ssdp" command to view and configure 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 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} "character string"
```

Create an open key for SSH/SFTP communication.

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

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

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

Deleting open key for ssh/sftp communication

```
msh> ssh delkey
```

↓ Note

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

syslog

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

View message

```
msh> syslog
```

📖 Reference

- p.170 "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 system's 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 system's IP address" /help/
```

Resetting help URL

```
msh> web clear help
```

5

wins

Use the "wins" command to configure 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:

```
wins "interface_name" {primary|secondary} "IP address"
```

- Use the "primary" command to configure a primary WINS server IP address.
- Use the "secondary" command to configure a 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 "scope ID"
```

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

Interface name	Interface configured
ether	Ethernet interface

Getting Printer Information over the Network

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

To check the machine status, connect the cable to the Printer Interface.

Reference

- p.79 "Connecting to the Printer Interface"

Current Printer Status

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

- Using the Linux command "snmpwalk", you can display the printer's status.

5

Access Error: Alert File

An error occurred while accessing the SNMP Alert file.

Access Error: Config File

An error occurred while accessing the configuration file.

Access Error: Job History

An error occurred while accessing the Job History file.

Access Error: Log File

An error occurred while accessing the Log file.

Add staples (Booklet: Back)

The staple of optional booklet finisher (back) is exhausted.

Add staples (Booklet: Front)

The staple of optional booklet finisher (front) is exhausted.

Backup / Restore Error

An error occurred during the backup/restore process.

Call Service Center

There is a malfunction in the printer.

Cannot Authenticate

Authentication failed. The server did not respond.

Cannot Fold: Different Paper Size

Paper of a different size was fed in during fold printing.

Cannot Fold: Unsupported Paper

A fold type not supported by the folding unit was specified.

Cannot Specify: Folding

The specified folding unit is not installed.

Cannot Specify: Stapling

The specified staple unit is not installed.

Cannot Specify: Trimming

The specified trimming unit is not installed.

Cannot Staple: Different Paper Size

Paper of a different size was fed in during staple printing.

Cannot Staple: Stacking

Stapling is specified for a stacking print job.

Communication Error: IF#xx

An error occurred while processing an AppleTalk event.

Cover Open: Decurler FrontCover

The decurler front cover is open.

Cover Open: Duplex Unit

The cover of the duplex unit is open.

Cover Open: Finisher

The cover of the optional finisher is open.

Cover Open: Interposer Base

The cover of the optional cover interposer base is open.

Cover Open: Interposer Lwr Tray

The optional cover interposer upper cover is open.

Cover Open: Interposer Right

The cover of the optional cover interposer right is open.

Cover Open: LCT Front Cover

The optional LCT front cover is open.

Cover Open: Stacker Front

The cover of the optional stacker front is open.

Cover Open: Stacker Upper

The cover of the optional stacker upper is open.

Cover Open: Trimmer Front Cover

The optional trimmer front cover is open.

Cover Open: Upper Right Cover

The upper right cover is open.

Cover Open: FoldUnit Front Cover

The fold unit front cover is open.

5

Cover Open: Second Stacker Front

The cover of the optional second stacker front is open.

Cover Open: Second Stacker Upper

The cover of the second optional stacker upper is open.

Development Unit (K) Type Error

The development unit (K) that has been installed is not the correct type.

Device Error: Compression Error

A compression/endian conversion error occurred during print image processing.

Device Error: Flash Rom Access

An error occurred while accessing the controller's Flash ROM.

Device Error: HDD Access

An error occurred while accessing the hard drive.

Device Error: Memory Access

An error occurred while accessing the controller's DIMM.

Empty: Black Toner

The black toner cartridge is almost empty.

Empty: One of Toner Bottles

One of two cartridge bottles is almost empty.

Full: All Stacker Trays

The stacker tray is full.

Full: Finisher Booklet Tray

Booklet tray of optional booklet finisher is full.

Full: Finisher Shift Tray

Shift tray of optional finisher is full.

Full: Finisher Upper Tray

Finisher's upper tray is full.

Full: Folding Unit Tray

The folding unit tray is full.

Full: Hole Punch Receptacle

Punch chip receptacle for hole punch is full.

Full: Second Stacker Tray

The second stacker tray is full.

Full: Second Stacker Upper Tray

The second stacker upper tray is full.

Full: Stacker Tray

The stacker tray is full.

Full: Stacker Upper Tray

The stacker upper tray is full.

Full: Trimmer Tray

The optional trimmer tray is full.

Full: Waste Paper Receptacle

The optional trimmer waste paper box is full.

Full: Waste Staples

Waste staples is full.

Full: Waste Toner Bottle

Waste toner bottle is full.

Full: Waste Toner Bottle2

Waste toner bottle 2 is full.

Fusing Unit Type Error

The fusing unit that has been installed is not the correct type.

Low: Toner

The black toner cartridge is not set correctly, or toner is almost running out.

Malfunction: Booklet Stapler

There is a problem with the booklet stapler.

Malfunction: Finisher Tray

There is a problem with the optional finisher tray.

Malfunction: Folding Unit

There is a problem with the optional multi-folding unit.

Malfunction: Folding Unit Tray

There is a problem with the folding unit tray.

Malfunction: Interposer

There is a problem with the optional cover interposer.

Malfunction: Output Tray

There is a problem with the output tray.

Malfunction: Punch Unit

There is a problem with the optional punch unit.

Malfunction: Second Stacker

There is a problem with the optional second stacker.

Malfunction: Stacker

There is a problem with the optional stacker.

Malfunction: Staple Unit

There is a problem with the staple unit.

Malfunction: Tray 1

There is a problem with tray 1.

Malfunction: Tray 2

There is a problem with tray 2.

Malfunction: Tray 3

There is a problem with tray 3.

Malfunction: Tray 4

There is a problem with tray 4.

Malfunction: Tray 5

There is a problem with tray 5.

Malfunction: Tray 6

There is a problem with tray 6.

Malfunction: Tray 7

There is a problem with tray 7.

Malfunction: Trimmer

There is a problem with the optional trimmer.

Malfunction: Z-folding unit

There is a problem with the z-folding unit.

Mismatch: Authentication

The command has been cancelled due to authentication mismatch.

Mismatch: Exceeded Maximum Size

The specified paper size exceeds the maximum paper size supported by the machine.

Mismatch: Paper Attributes

There is no paper of the specified type, size, or color loaded in the paper trays.

Mismatch: Paper Color

The identified paper tray does not contain paper of the selected color.

Mismatch: Paper Size

The identified paper tray does not contain paper of the selected size.

Mismatch: Paper Type

The identified paper tray does not contain paper of the selected type.

Mismatch: PS Job Paper Size

The paper size does not match the size specified in the PostScript job.

Multiple Printing Sheet Feed

Multiple sheets have been fed in at once, causing a jam.

Near Replace: Cleaning Unit

Prepare a new cleaning unit.

Near Replace: Dust Filter

Prepare a new dust filter.

Near Replace: FeedRoller Tray 1

Prepare a new feed roller for Tray 1.

Near Replace: FeedRoller Tray 2

Prepare a new feed roller for Tray 2.

Near Replace: FeedRoller Tray 3

Prepare a new feed roller for Tray 3.

Near Replace: FeedRoller Tray 4

Prepare a new feed roller for Tray 4.

Near Replace: FeedRoller Tray 5

Prepare a new feed roller for Tray 5.

Near Replace: FeedRoller Tray 6

Prepare a new feed roller for Tray 6.

Near Replace: FeedRoller Tray 7

Prepare a new feed roller for Tray 7.

Near Replace: Sub-charger

Prepare a new sub-charger unit.

Near Replace: SuckedTonerBottle

Prepare a new sucked toner bottle.

Near Replace: TonerSuctionMotor

Prepare a new toner suction motor.

Near Replacing: Black PCU

Prepare a new black photoconductor unit.

Near Replacing: Charger Kit

Prepare a new charger kit.

Near Replacing: Develop. Unit K

Prepare a new development unit (black).

Near Replacing: Fusing Unit

Prepare a new fusing unit.

Near Replacing: Int. Transfer

Prepare a new transfer roller.

Nearly Full: Waste Toner

Waste toner bottle is nearly full.

Nearly Full: WasteToner Bottle2

Waste toner bottle 2 is nearly full.

Need more Staples

Stapler has almost run out of staples.

No Paper: Interposer Lower Tray

There is no paper in the optional cover interposer lower tray.

No Paper: Interposer Upper Tray

There is no paper in the optional cover interposer upper tray.

No Paper: Selected Tray

There is no paper in the specified tray.

No Paper: Tray 1

There is no paper in tray 1.

No Paper: Tray 2

There is no paper in tray 2.

No Paper: Tray 3

There is no paper in tray 3.

No Paper: Tray 4

There is no paper in tray 4.

No Paper: Tray 5

There is no paper in tray 5.

No Paper: Tray 6

There is no paper in tray 6.

No Paper: Tray 7

There is no paper in tray 7.

Not Detected: 2nd Stacker Tray

The optional second roll-away cart is not correctly set.

Not Detected: B2 Lever

B2 lever is not correctly set.

Not Detected: Decurler Unit

Decurler unit is not correctly set.

Not Detected: Dev. CleaningUnit

The developer cleaning unit is not correctly set.

Not Detected: Develop. Unit (K)

The development unit (black) is not correctly set.

Not Detected: Duplex Feed Unit

The duplex feed unit is not correctly set.

Not Detected: Duplex Unit

The duplex unit is not correctly set.

5

Not Detected: Fusing Unit

The fusing unit is not correctly set.

Not Detected: Input Tray

The paper feed tray is not correctly set.

Not Detected: Interposer

The optional cover interposer is not correctly set.

Not Detected: PCU (K)

The photoconductor unit (black) is not correctly set.

Not Detected: Stacker Tray

The optional roll-away cart is not correctly set.

Not Detected: Tray 1

Tray 1 is not correctly set.

Not Detected: Tray 2

Tray 2 is not correctly set.

Not Detected: Tray 3

Tray 3 is not correctly set.

Not Detected: Tray 4

Tray 4 is not correctly set.

Not Detected: Tray 5

Tray 5 is not correctly set.

Not Detected: Tray 6

Tray 6 is not correctly set.

Not Detected: Tray 7

Tray 7 is not correctly set.

Not Detected: WasteToner Bottle

Waste toner bottle is not correctly set.

Not Detected: SuckedToner Bottle

The sucked toner bottle is not correctly set.

Offline

Printer is offline.

Paper in All Stacker Trays

The paper remains in the stacker trays.

Paper in Finisher

The paper remains in the optional finisher.

Paper in Folding Unit

The paper remains in the optional multi-folding unit.

Paper in Second Stacker Tray

The paper remains in the second stacker tray.

Paper in Stacker Tray

The paper remains in the stacker tray.

Paper in the Folding Unit

The paper remains in the optional multi-folding unit.

Paper Misfeed: Duplex Unit

The paper has jammed in the duplex unit.

Paper Misfeed: Finisher

The paper has jammed in the optional finisher.

Paper Misfeed: Input Tray

The paper has jammed in the input tray.

Paper Misfeed: Internal Path

The paper has jammed in the internal path.

Paper Misfeed: Interposer

The paper has jammed in the optional cover interposer.

Paper Misfeed: Second Stacker

The paper has jammed in the optional second stacker.

Paper Misfeed: Stacker

The paper has jammed in the optional stacker.

Paper Misfeed: Trimmer

The paper has jammed in the optional trimmer.

Paper Misfeed: Z-folding unit

The paper has jammed in the z-folding unit.

Paper Tray Specifying Error: EC

An inappropriate hopper is specified.

PCU (K) Type Error

The black photoconductor unit that has been installed is not the correct type.

Print Program Error: EC#

An invalid print parameter has been specified.

Program Error: Flash Rom Write

Writing to the Flash ROM failed during the BootROM update process.

Program Error: Log Message Full

The number of unprocessed log messages exceeded the maximum.

Program Error: Memory Shortage

A memory shortage occurred while printing a TIFF/CCITT image.

Program Error: PCL Initialize

An error occurred during the PCL font initialization process.

Program Error: PPC Exception

A PPC Exception error occurred in the printer controller.

Program Error: Suspended Task

A controller program error occurred.

Program Error: TaskExit

A Task Exit error occurred in the printer controller.

Replace Black PCU

It is time to replace the black photoconductor unit.

Replace Charger Kit

It is time to replace the charger kit.

Replace Cleaning Unit

It is time to replace the cleaning unit.

Replace Cleaning Web

It is time to replace the cleaning web.

Replace Develop. Unit (Black)

It is time to replace the development unit (black).

Replace Dust Filter

It is time to replace the dust filter.

Replace Fusing Unit

It is time to replace the fusing unit.

Replace Int. Transfer Unit

It is time to replace the transfer unit.

Replace Paper FeedRoller Tray 1

It is time to replace the paper feed roller tray 1.

Replace Paper FeedRoller Tray 2

It is time to replace the paper feed roller tray 2.

Replace Paper FeedRoller Tray 3

It is time to replace the paper feed roller tray 3.

Replace Paper FeedRoller Tray 4

It is time to replace the paper feed roller tray 4.

Replace Paper FeedRoller Tray 5

It is time to replace the paper feed roller tray 5.

Replace Paper FeedRoller Tray 6

It is time to replace the paper feed roller tray 6.

Replace Paper FeedRoller Tray 7

It is time to replace the paper feed roller tray 7.

Replace Sub-charger

It is time to replace the sub-charger.

Replace Sucked Toner Bottle

It is time to replace the sucked toner bottle.

Replace Toner Suction Motor

It is time to replace the toner suction motor.

Stop : PostScript Error

A PostScript error occurred. Printing stopped because the [In Case of PS Error] setting was changed to [Stop Printing].

Suspend / Resume Key Error

The optional finisher stop button was pressed.

Suspended: Sample Print

The first set of a multiple copy job for which sample printing was specified has been printed.

Too Many Sheets: Booklet

The number of sheets exceeded the sheet limit of the staple unit.

Too Many Sheets: Folding

The number of sheets exceeded the sheet limit of the fold unit.

Understanding the Displayed Information

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

Configuring the Network Interface Board

Use the following command to display network interface board settings:

- telnet: Use the “show” command.

Common

Item		Description
Mode		
Protocol Up/Down		Protocol Settings
	IPv4	
	IPv6	
	IPsec	
	SMB	
Device Up/Down		Device Settings
	USB	
Ethernet interface		
Syslog priority		
NVRAM version		
Device name		
Comment		
Location		
Contact		
Soft switch		

TCP/IP (TCP/IP settings)

Item		Description
Mode (IPv4)		
Mode (IPv6)		
	ftp	
	rsh	
	telnet	
	web	
	http	
	ftpc	
	snmp	
	autonet	
	bonjour	
	ssl	
	nrs	
	rfu	
	nbt	
	ssdp	
	ssh	
	sftp	
IPv4		
	DHCP	
	Address	
	Netmask	
	Broadcast	
	Gateway	
IPv6		

Item		Description
	Stateless	
	Manual	
	Gateway	
	DHCPv6-lite	
	DUID	
	DHCPv6 option lifetime	
IPsec		
	Manual Mode	
	Excluded Protocol	
	https	
	dns	
	dhcp	
	wins	
EncapType		
Host name		
DNS Domain		
Access Control		Access Control settings
	IPv4	
	Access Entry [X]	X can be set between 1 and 5.
	IPv6	
	Access Entry [X]	X can be set between 1 and 5.
SNTP Server		Time settings
Time Zone		
SNTP Server polling time		
SYSLOG server		Websys settings

Item	Description
Home page URL1	
Home page link name1	
Home page URL2	
Home page link name2	
Help page URL	

SMB (SMB settings)

Item	Description
Switch	
Mode	
Direct print	
Notification	
Workgroup name	
Computer name	
Comment	
Share name [1]	
Protocol	

Ethernet

Item	Description
802.1X Authentication	

DNS (DNS settings)

Item	Description
IPv4	
Server [X]	X can be set between 1 and 3.

Item		Description
	Selected IPv4 DNS Server	
IPv6		
	Server [X]	X can be set between 1 and 3.
	Selected IPv6 DNS Server	

Domain Name

Item	Description
ether	

DDNS

Item	Description
ether	

WINS (WINS settings)

Item		Description
ether		
	Primary WINS	
	Secondary WINS	

SSDP (SSDP settings)

Item		Description
UUID		
Profile		
TTL		

UPnP (UPnP settings)

Item	Description
URL	

Bonjour (Bonjour settings)

Item	Description
Computer Name (cname)	
Local Hostname (ether)	
Location	
IP TTL	
LinkLocal Route for Multi I/F	

5

SNMP (SNMP settings)

Item	Description
SNMPv1v2	
SNMPv3	
protocol	
v1Trap	
v2Trap	
v3Trap	
SNMPv1v2 Remote Setting	
SNMPv3 Privacy	

ssh (ssh settings)

Item	Description
Compression	
Port	
TimeOut	

Item	Description
Login TimeOut	

Certificate

Item	Description
Verification	

IEEE 802.1X (IEEE 802.1X settings)

Item	Description
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

Item	Description
User mode	

Message List

This is a list of messages that appear in the printer's system log. The system log can be viewed using the "syslog" command.

System Log Information

Use the following command to display the system log information:

- telnet: Use the "syslog" command.

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.

account is unavailable: encryption is impossible.

Encryption is not possible and account is disabled. This could be because:

- Security option is not installed.
- Encryption password has not been specified.

add_sess_IPv4: bad trap addr: <IPv4 address>, community: <community name>

The IPv4 address (0.0.0.0) is unavailable when the community access type is TRAP. Specify the host IPv4 address for the TRAP destination.

add_sess_IPv6: bad trap addr: <IPv6 address>, community: <community name>

The IPv6 address [::] is unavailable when the community access type is TRAP. Specify the host IPv6 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: 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)

centrod is disabled.

Parallel communication could not be established. Enable "centrod" in the security mode setting.

child process exec error !

The network service failed to start. Turn the printer off and then on. If this does not work, contact your service or sales representative.

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>.

Current Interface Speed: <Ethernet I/F Speed>

Speed of the network (10 Mbps, 100 Mbps, or 1 Gbps).

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].

DHCPv6 server not found.

The DHCPv6 server was not found. Make sure that the DHCPv6 is on the network.

(IKE phase-1) mismatched authentication type: local=<authentication type 1> remote=<authentication type 2>

This printer's <authentication type 1> in IKE phase 1 does not match the communicating host's <authentication type 2>. Make sure this printer's ISAKMP SA authentication type matches that of the communicating host.

(IKE phase-1) mismatched encryption type: <encryption algorithm 1> remote=<encryption algorithm 2>

This printer'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 printer'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 printer'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 printer's ISAKMP SA Oakley group matches that of the communicating host.

(IKE phase-1) mismatched hash type: local=<Hash Algorithm 1> remote=<Hash Algorithm 2>

This printer'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 printer'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.

Use this command to start the inetd service.

< Interface > started with IP: < IP address >

IP address (IPv4 or IPv6 address) has been set for the interface and is operating.

job canceled. jobid=%d.

The spooled job was canceled due to error or user request.

Lease Time=<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.

Manual [% s] is disable, set authentication key

The specified manual SA entry is invalid. Set the authentication key.

Manual [% s] is disable, set encryption key

The specified manual SA entry is invalid. Set the authentication key.

Name registration failed. name=<NetBIOS name>

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.

nbttd start.

The nbttd (NetBIOS over TCP/IP Daemon) service has been started.

Print sessions full

No more print jobs can be accepted. Wait a while before sending any more print jobs.

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.

shutdown signal received. network service rebooting...

The network reboot process is starting.

SMTPC: failed to get smtp server ip-address.

The SMTP server IP address could not be obtained. This could be because:

- The specified DNS server could not be found.
- No connection to the network has been established.
- The specified DNS server could not be found.
- An incorrect DNS server is specified.
- The specified SMTP server IP address could not be found in the DNS server.

SMTPC: failed to connect smtp server. timeout.

Connection to the SMTP server failed due to timeout. This could be because the specified SMTP server name is incorrect, or no connection to the network has been established, or the network configuration is incorrect, so there is no response from the SMTP server. Check the SMTP server name, or the network connection and configuration.

SMTPC: refused connect by smtp server.

Connection to the SMTP server is denied. This could be because server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the SMTP server name, port number, or the SMTP server port number.

SMTPC: no smtp server. connection close.

Connection to the SMTP server failed due to no response from SMTP. This could be because a server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the SMTP server name, port number, or the SMTP server port number.

SMTPC: failed to connect smtp server.

Connection to the SMTP server failed. This could be because no connection to the network has been established, or the network configuration is incorrect, so there is no response from the SMTP server, or the specified SMTP server name is incorrect, or the specified SMTP server IP address could not be found in the DNS server, or a server other than the SMTP server has been specified, or the specified SMTP server port number is incorrect. Check the DNS Server's IP address and SMTP server's IP address, or the SMTP server name and SMTP port number, or the SMTP server's SMTP port number, or the network connection and configuration.

SMTPC: username or password wasn't correct. [response code] (information)

Connection to the SMTP server failed, because the specified SMTP user name is incorrect, or the specified SMTP password is incorrect. Check the SMTP user name and password.

Snmp over IPv4 is ready.

Communication over IPv4 with snmp is available.

snmpd start.

The snmpd service has been started. Only the power status (ON/OFF) is displayed.

Snmp over IPv6 is ready.

Communication over IPv6 with snmp is available.

trap account is unavailable.

v3Trap cannot be sent. This could be because the Trap destination account is different from the account specified by the printer.

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 scope ID=<scope ID>

The scope ID is invalid. Use a valid scope ID.

write error occurred. (diskfull)

A "diskfull" error occurred while the printer 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 "diskfull" error occurred while the printer 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.

6. Registering Addresses

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

Address Book

This section describes Address Book settings.

Users can be registered in the Address Book and managed together.

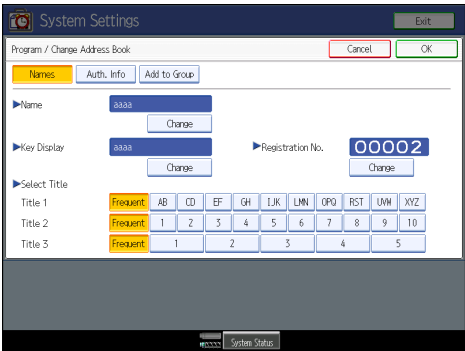
★ Important

- 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.

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

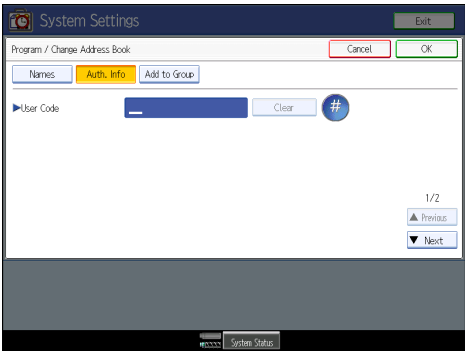
Names

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



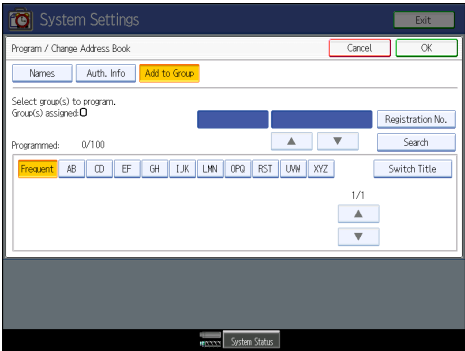
Auth. Info

You can register user codes in order to restrict particular functions to certain users, and to check their use of each function.



Add to Group

Press this to register a user as group member.



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.

Reference

- p.104 "Using Web Image Monitor"

Managing Users and Machine Usage

Registering user codes enables you to restrict and monitor printer usage.

Reference

- p.180 "Authentication Information"

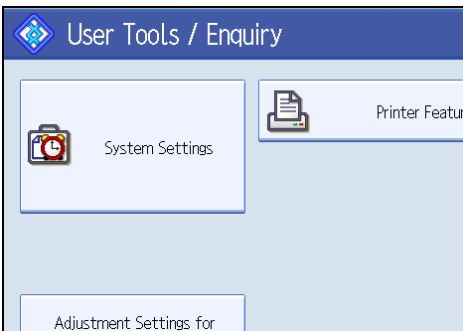
Registering Names

Register user information including their names.
You can register up to 500 names.

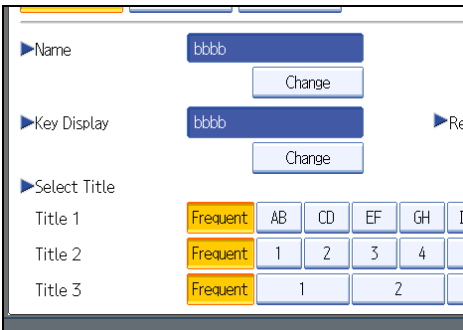
Registering Names

This section describes how to register names.

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



- 3. Press [Administrator Tools].
- 4. Press [Address Book Management].
- 5. Check that [Program / Change] is selected.
- 6. Press [New Program].
- 7. Press [Change] to the right of "Name".
The name entry display appears.
- 8. Enter the name, and then press [OK].
- 9. Press the key for the classification you want to use next to "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 page for each title.

10. Press [OK].

11. Press [Exit].

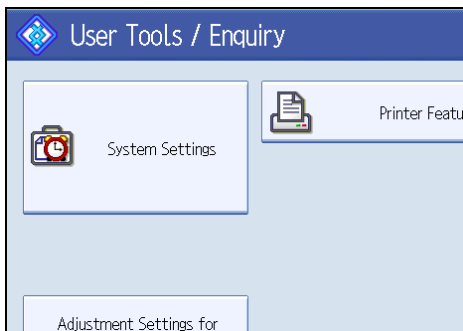
12. Press the [User Tools] key.

Changing a Registered Name

This section describes how to change a name.

1. Press the [User Tools] key.

2. Press [System Settings].



3. Press [Administrator Tools].

4. Press [Address Book Management].

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

6. Select the registered name you want to change.

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

7. To change the name or key display, press [Change] to the right of "Name" or "Key Display".

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

9. To change the title, press the key for the classification you want to use from "Select Title".

10. To change the registration number, press [Change] to the right of "Registration No.".

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

12. Press [OK].

13. Press [Exit].

14. Press the [User Tools] key.

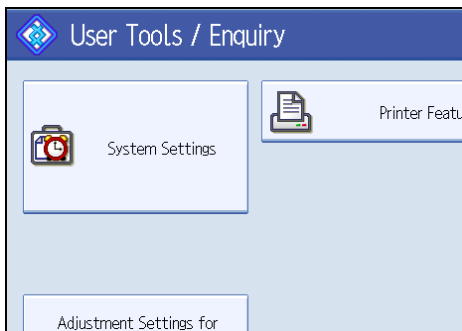
↓ Note

- You can search by the registered name.

Deleting a Registered Name

This section describes how to delete a name.

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



3. Press [Administrator Tools].
4. Press [Address Book Management].
5. Press [Delete].
6. Select the name you want to delete.

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

7. Press [Yes].
8. Press [Exit].
9. Press the [User Tools] key.

Authentication Information

This section explains how to apply authentication by user codes.

★ 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.

Registering user codes enables you to restrict and monitor printer usage.

↓ Note

- You can register up to 500 user codes.
- To automatically register printer driver user codes to a printer: open [User Authentication Management], select "Printer", and then select [Printer: PC Control] for the printer you want to register the user codes to. To apply user codes already registered through User Tools, specify those codes for the printer driver.

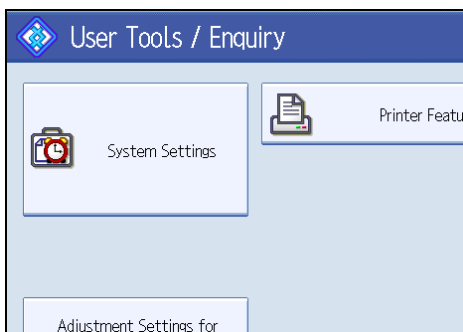
📖 Reference

- p.35 "Administrator Tools"

Registering a User Code

This section describes how to register a user code.

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

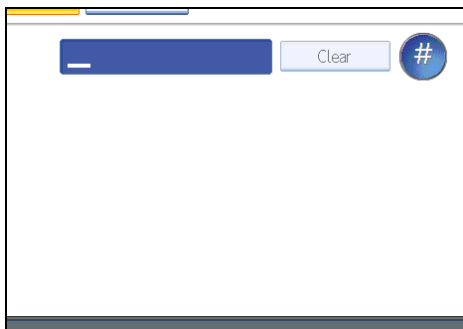


3. Press [Administrator Tools].
4. Press [Address Book Management].
5. Check that [Program / Change] is selected.
6. Press the user you want to register, or enter the user's registration number using the number keys.

You can search by the registered name.

7. Press [Auth. Info].

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

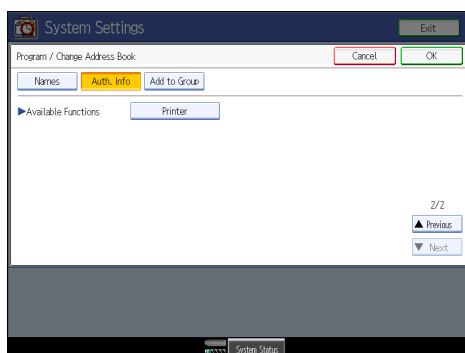


If you make a mistake, press [Clear] and then enter the correct user code.

The [Clear] key on the machine's control panel can also be used.

9. Press [▼Next].

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



11. Press [OK].

12. Press [Exit].

13. Press the [User Tools] key.

Note

- You can enter a one to eight-digit user code.
- To register the name, see "Registering Names".

Reference

- p.177 "Registering Names"

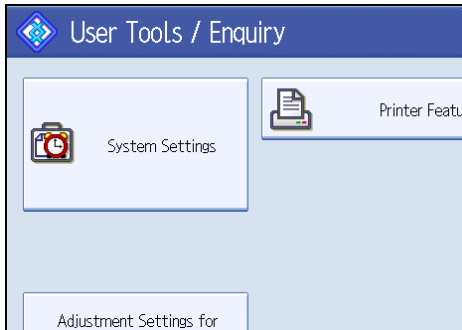
Changing a User Code

This section describes how to change a user code.

★ Important

- Even if you change a user code, the counter value will not be cleared.

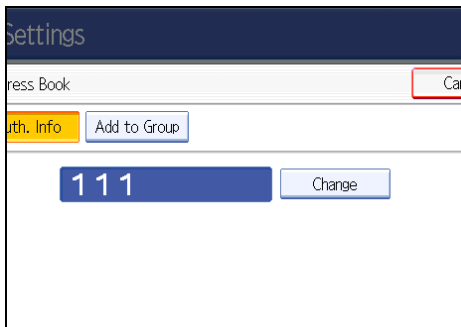
1. Press the [User Tools] key.
2. Press [System Settings].



3. Press [Administrator Tools].
4. Press [Address Book Management].
5. Check that [Program / Change] is selected.
6. Select the user whose user code you want to change.

Press the name key, or enter the registered number using the number keys. You can search by the registered name.

7. Press [Auth. Info].
8. Press [Change], and then enter the new user code using the number keys.



If you make a mistake, press [Clear] and then enter the correct user code.

The [Clear] key on the machine's control panel can also be used.

9. Press the [#] key.
10. To change the available functions, press [Auth. Info], and then press [▼Next].

11. Press the key to select the functions to enable them.

Press the key to highlight it, and then the function is enabled. To cancel a selection, press the highlighted key.

12. Press [OK].**13. Press [Exit].****14. Press the [User Tools] key.****Note**

- To change the name, key display and title, see "Registering Name".

Reference

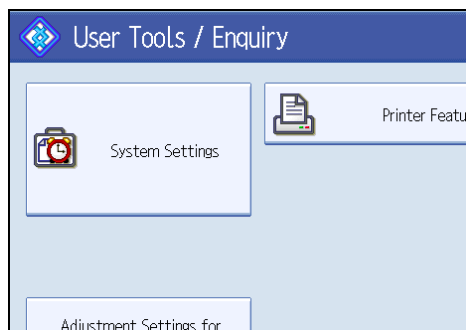
- p.177 "Registering Names"

Deleting a User Code

This section describes how to delete a user code.

Important

- After clearing the user code, the counter is automatically cleared.

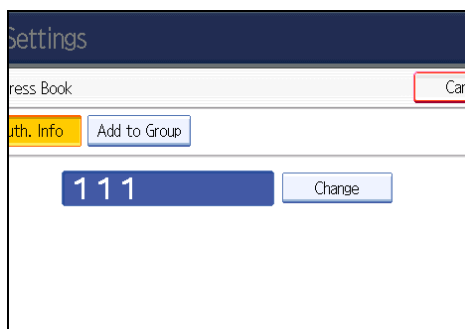
1. Press the [User Tools] key.**2. Press [System Settings].****3. Press [Administrator Tools].****4. Press [Address Book Management].****5. Press [Program / Change].****6. Select the name whose code is to be deleted.**

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

You can search by the registered name.

7. Press [Auth. Info].

8. Press [Change] to delete the user code, and then press the [#] key.



9. Press [OK].
10. Press [Exit].
11. Press the [User Tools] key.

↓ Note

- To delete a name from the Address Book entirely, see "Registering Names".

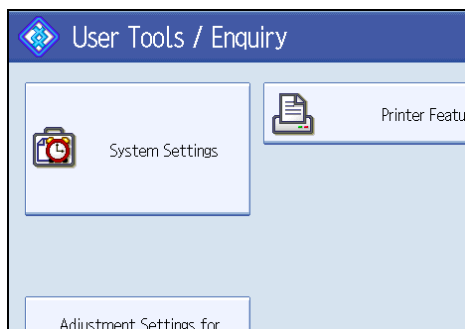
📖 Reference

- p.177 "Registering Names"

Displaying the Counter for Each User

This section describes how to display the counter for each user.

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



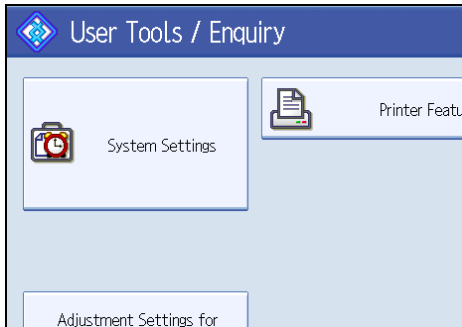
3. Press [Administrator Tools].
4. Press [Display / Clear / Print Counter per User].
5. Select the function usage you want to print from [Printer Counter].

Counters for individual function usage under each user code appear.

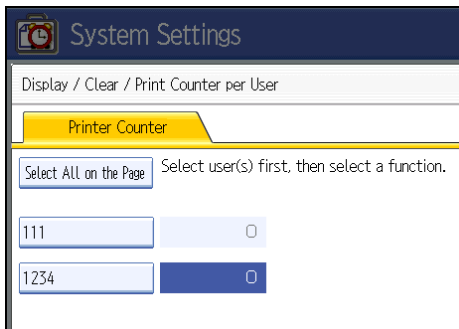
Printing the Counter for Each User

This section describes how to print the counter for each user.

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

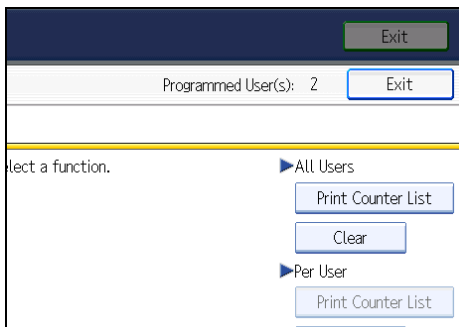


3. Press [Administrator Tools].
4. Press [Display / Clear / Print Counter per User].
5. Select a user code from the left side of the display.



Press [Select All on the Page] to select all user codes on the page.

6. Press [Print Counter List] under "Per User".

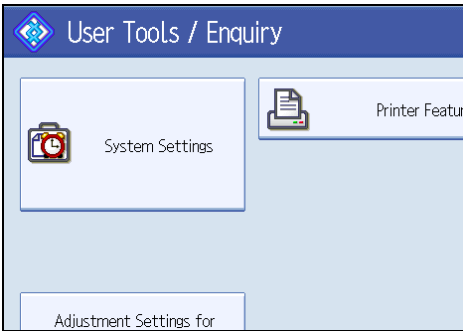


- If the user code is registered enter the user code and then press [#] key.
- 7. Select the function usage you want to print from [Printer Counter] and [Total Prints].
 - 8. Press [Print].

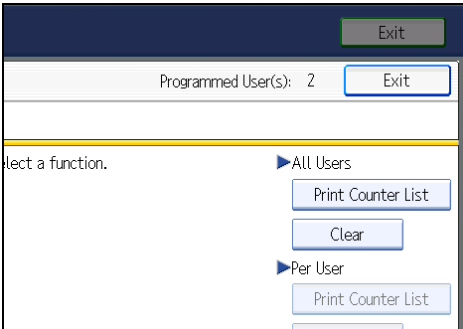
Printing the Counter for All Users

This section describes how to print 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".

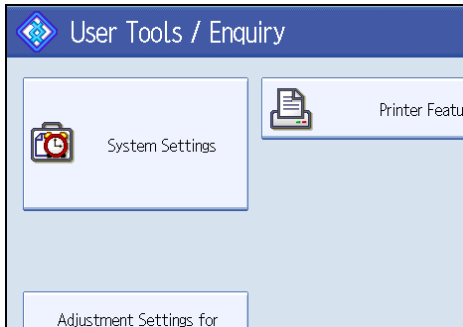


- Enter the user code, and then press the [#] key if the user code is registered.
- 6. Select the function usage you want to print from [Printer Counter] and [Total Prints].
 - 7. Press [Print].

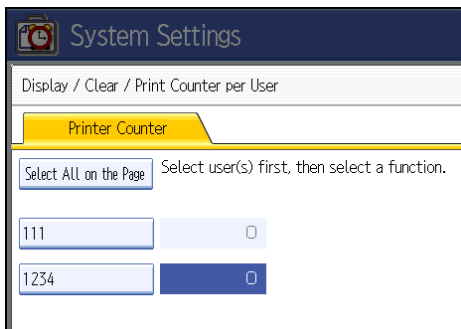
Clearing the Number of Prints

This section describes how to clear the counter.

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



3. Press [Administrator Tools].
4. Press [Display / Clear / Print Counter per User].
5. To clear the number of prints made under a user code, select the user code from the left side of the display.



Press [Select All on the Page] to select all user codes on the page.

6. Press [Clear] under "Per User".
7. Select the function usage you want to clear from [Printer Counter] and [Total Prints].
8. Press [OK].
9. To clear the number of prints for all user codes, press [Clear] under "All Users".
10. Select the function usage you want to clear from [Printer Counter] and [Total Prints].
11. Press [OK].
12. Press [Exit].
13. Press the [User Tools] key.

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.

To add names to a group, the groups must be registered beforehand.

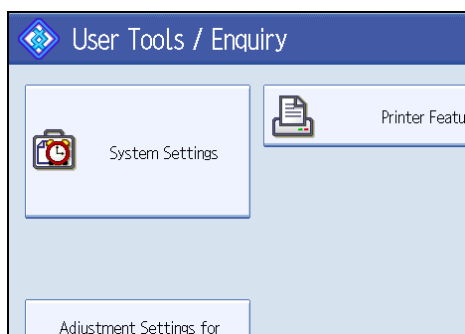
★ Important

- The maximum number of destinations registerable to a group is 500.

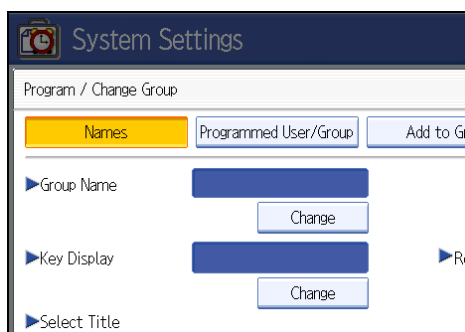
Registering a Group

This section describes how to register 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] to the right of "Group Name".



8. Enter the group name, and then press [OK].

The Key Display name is set automatically.

9. Press the title key next to "Select Title", if necessary.

The keys you can select are as follows:

- [Frequent]: Added to the page that is displayed first.
- [AB], [CD], [EF], [GH], [IJK], [LMN], [OPQ], [RST], [UVW], [XYZ], [1] to [10].
Added to the list of items in the selected title.

You can select [Frequent] and one more page for each title.

10. When you want to change the key display, press [Change] to the right of "Key Display".**11. Enter the key display, and then press [OK].****12. Press [OK].****13. Press [Exit].****14. Press the [User Tools] key.**

Registering Names to a Group

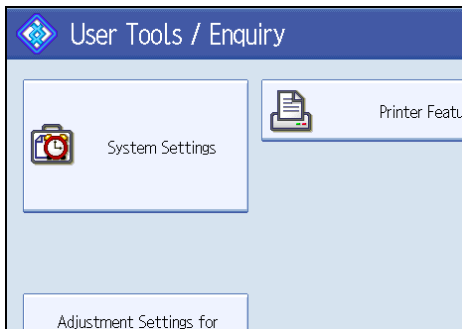
6

This section describes how to register names to a registered group.

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

When registering new names, you can also register groups at the same time.

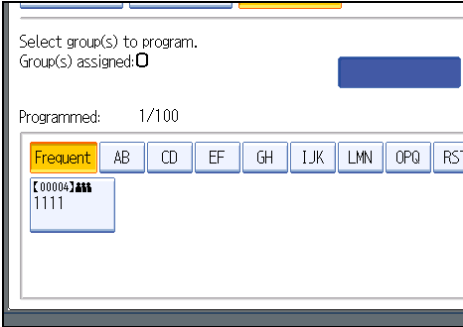
- 1. Press the [User Tools] key.**
- 2. Press [System Settings].**



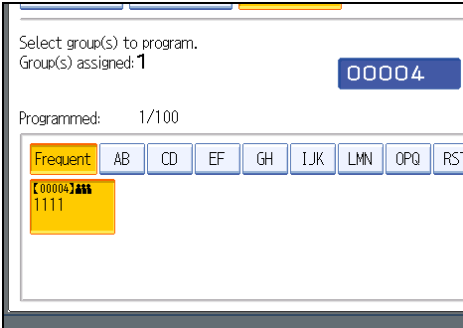
- 3. Press [Administrator Tools].**
- 4. Press [Address Book Management].**
- 5. Check that [Program / Change] is selected.**
- 6. Select the name to register in a group.**

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

- You can search by the registered name.
- 7. Press [Add to Group].
 - 8. Select a group to which you want to add the name.



The group key that you have selected becomes highlighted, and the name is added to it.



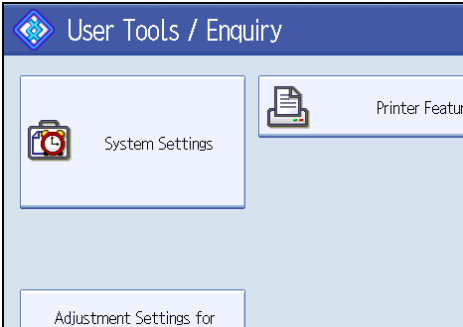
- 9. Press [OK].
- 10. Press [Exit].
- 11. Press the [User Tools] key.

Adding a Group to Another Group

This section describes how to add 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.

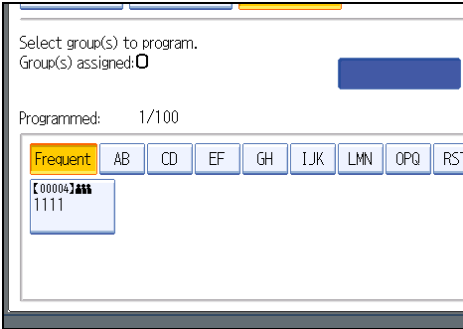
6. Select the group that you want to put into another group.

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

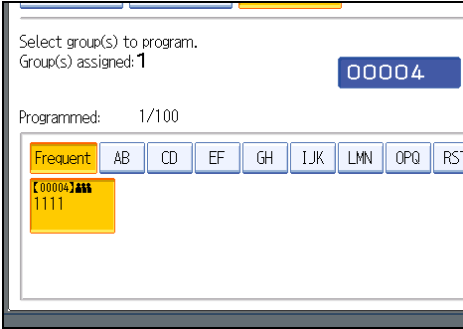
You can search by the registered name.

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.



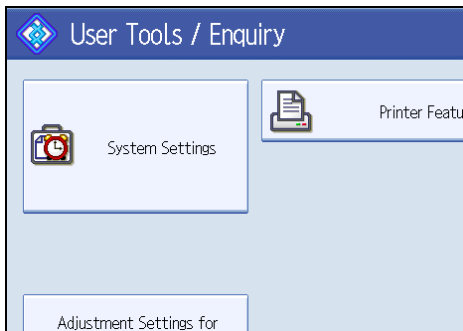
9. Press [OK].
10. Press [Exit].
11. Press the [User Tools] key.

Displaying Names Registered in a Group

This section describes how to display names registered in a group.

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

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



3. Press [Administrator Tools].
4. Press [Address Book: Program / Change / Delete Group].
5. Check that [Program / Change] is selected.
6. Select the group where the members you want to check is registered.

You can search by the registered name.

7. Press [Programmed User/Group].
- All the names registered will be displayed.

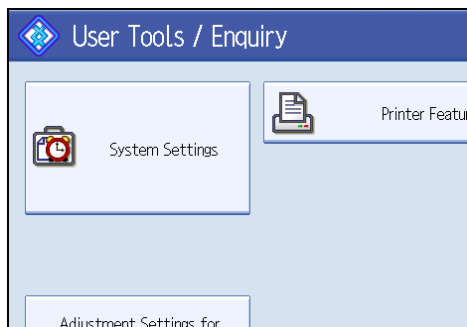
8. Press [OK].
9. Press [Exit].
10. Press the [User Tools] key.

Removing a Name from a Group

This section describes how to remove a name from a group.

1. Press the [User Tools] key.

2. Press [System Settings].



3. Press [Administrator Tools].

4. Press [Address Book Management].

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

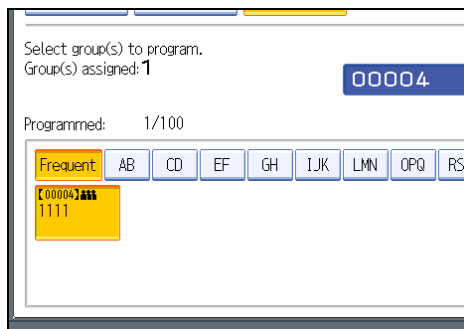
6. Select the name to remove from a group.

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

You can search by the registered name.

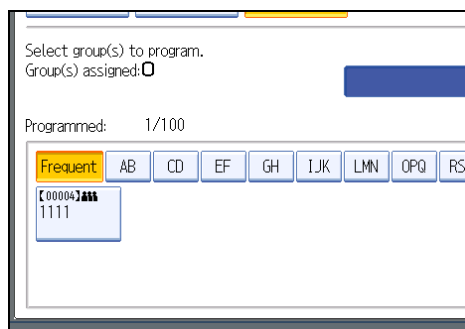
7. Press [Add to Group].

8. Select the group from which you want to remove the name.



The group key is deselected and the name is removed from it.

9. Press [OK].



10. Press [Exit].

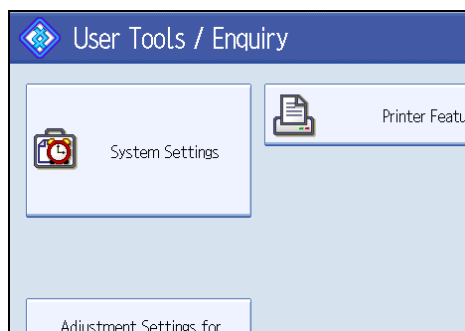
11. Press the [User Tools] key.

Deleting a Group Within Another Group

6

This section describes how to delete a group within another group.

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



3. Press [Administrator Tools].
4. Press [Address Book: Program / Change / Delete Group].
5. Check that [Program / Change] is selected.
6. Select the group that you want to delete from.

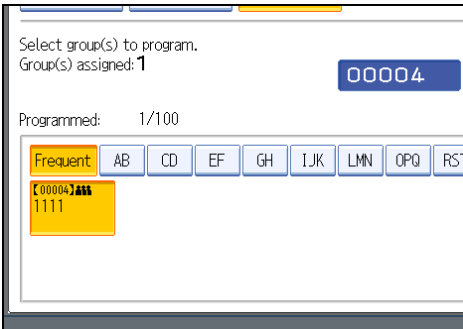
Press the group key, or enter the registered number during the number keys.

You can search by the registered name.

7. Press [Add to Group].

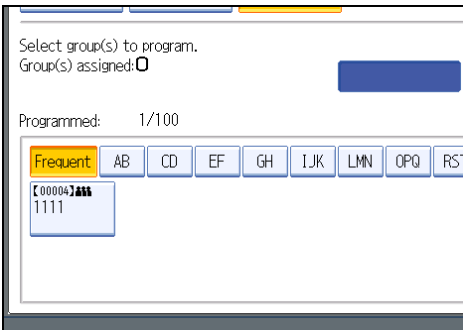
The keys of groups in which the group is registered appear highlighted.

8. Select the group that you want to delete from.



The group key is deselected and the group is deleted from it.

9. Press [OK].



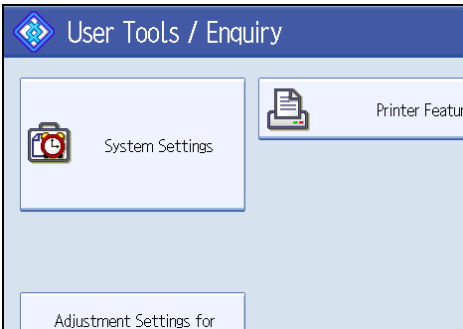
10. Press [Exit].

11. Press the [User Tools] key.

Changing a Group Name

This section describes how to change a group name.

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



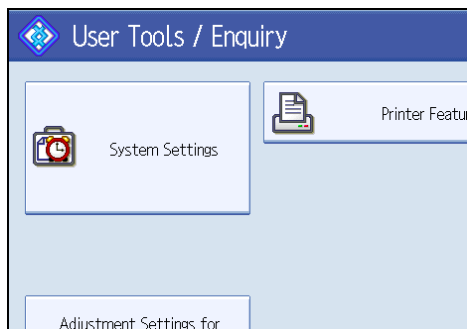
3. Press [Administrator Tools].
4. Press [Address Book: Program / Change / Delete Group].
5. Check that [Program / Change] is selected.
6. Press the group key you want to change.
You can search by the registered name.
7. To change the group name and key display, press [Change] to the right of "Group Name" or "Key Display".

8. Enter the new group name or key display, and then press [OK].
9. To change the title, press the title key next to "Select Title".
10. To change the registration number, press [Change] to the right of "Registration No.".
11. Enter the new registration number using the number keys.
12. Press the [#] key.
13. Press [OK].
14. Press [Exit].
15. Press the [User Tools] key.

Deleting a Group

This section describes how to delete 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.**

7. Appendix

Adjustment Settings for Operators

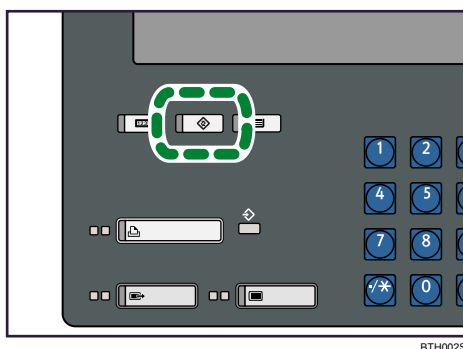
★ Important

- Some settings might become invalid, depending on which options and applications are installed on the printer.

Default settings are shown in **bold type**.

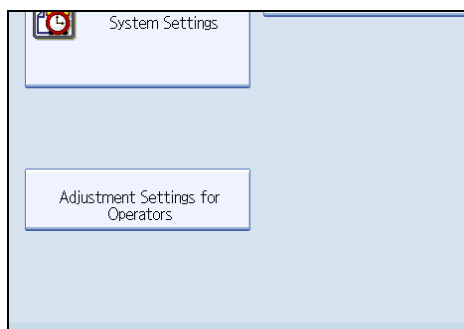
Changing the Adjustment Settings for Operators

1. Press the [User Tools] key.



BTH002S

2. Press [Adjustment Settings for Operators].



3. Select the item that you want to change the value.

4. Specify the setting value.

To select the setting value, press the value on the display.

To change the value, enter adjustment value with [+] or [-].

To change the selecting item, select item that you want to change.

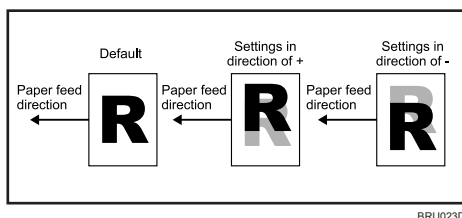
5. Press [OK].
6. Press [Back].
7. Press [Exit] twice.

Setting Values

0101: Adjust Image Position Across Feed Direction

Adjust the vertical position of the print image. Press [+] or [-] to move the image backward or forward.

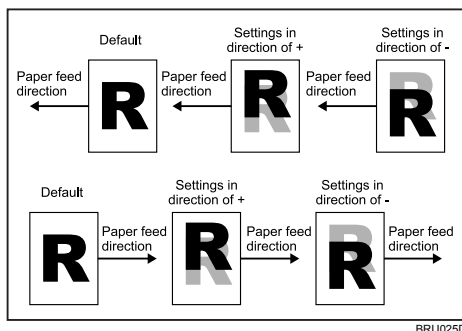
One-sided printing (Straight feeding)



Same when feeding in reverse direction.

7

Duplex printing (Straight feeding)



Same when feeding in reverse direction.

- Tray 1
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.1 mm

The default setting is 0 mm.

- Tray 2
 - Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 3

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 4

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 5

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 6

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 7

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 1 (Back Side)

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Tray 2 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

- Tray 3 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

- Tray 4 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

- Tray 5 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

- Tray 6 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

- Tray 7 (Back Side)

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.1 mm

The default setting is 0 mm.

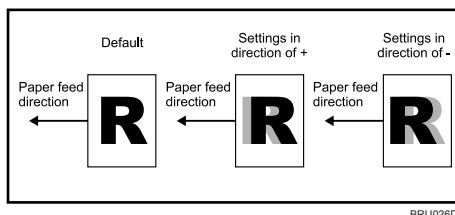
 **Note**

- If sheets are delivered face down, turn them over horizontally and check the image position.

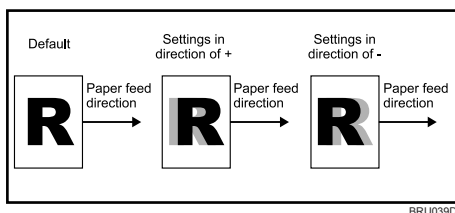
0102: Adjust Image Position With Feed Direction

Adjust the vertical position of the printed image. Press [+] or [-] to move the image feed direction or reverse feed direction.

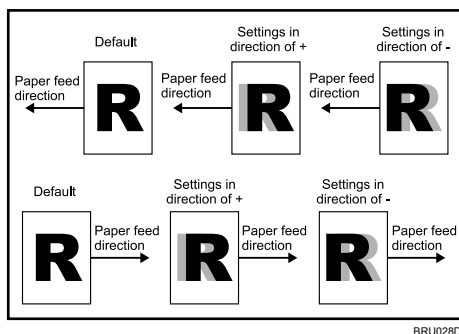
One-sided printing (Straight feeding)



One-sided printing (reverse feeding)



Duplex printing (Straight feeding)



Same when feeding in reverse direction.

- Front Side
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.1 mm

The default setting is 0 mm.

- Back Side
 - Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Front Side (Slow Paper Feed Speed)

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

- Back Side (Slow Paper Feed Speed)

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.1 mm

The default setting is **0** mm.

Note

- If sheets are delivered face down, turn them over horizontally and check the image position.

0104: Adjust Magnification Across Feed Direction

Make the magnification ratio adjustment with more precision than can be done using the normal print setting. Press **[+]** to increase the magnification ratio, or **[-]** to decrease it.

- Front Side

- Max.: 0.3 %

- Min.: -0.3 %

- Step: 0.1 %

The default setting is **0** %.

- Back Side

- Max.: 0.3 %

- Min.: -0.3 %

- Step: 0.1 %

The default setting is **0** %.

0105: Adjust Magnification With Feed Direction

Use this to make the magnification ratio adjustment with more precision than can be done using the normal print setting. Press **[+]** to increase the magnification ratio, or **[-]** to decrease it. Note however that, the magnification adjustment setting for the back side is applied only if the copy paper's length (along the feed direction) is 330 mm (13.3 inches) or more.

- Front Side

- Max.: 0.3 %
- Min.: -0.3 %
- Step: 0.1 %

The default setting is 0 %.

- Back Side

- Max.: 0.4 %
- Min.: -0.4 %
- Step: 0.1 %

The default setting is 0 %.

↓ Note

- Settings specified for the front side of sheets are applied to both the front and back side of each sheet; settings specified for the back sides of sheets are applied only to the back side of each sheet. If settings for both the front and back sides of sheets are specified, the magnification setting for the back side of each sheet is determined based on the value specified for "front side".
- If the magnification values for the "back side" are different from those specified as the default, duplex print speed might be lowered.

0106: Select Test Pattern for Image Position Adjustment

Select the test image used when adjusting the image position.

- Copy Image
- Frame Image

The framed image is printed.

0107: Adjust Toner Fusing Temperature

Adjust the toner fusing unit temperature according to the paper type/thickness. A higher temperature produces improved toner fixation. A lower Temperature reduces paper curl and corrugation but degrades toner fixation.

- Normal
- Higher
- High
- Lower
- Low

The default setting is **Normal**.

0108: Adjust Paper Feed Speed

When using non-standard paper such as thick paper or special paper, select a paper feed speed that is suitable for the paper type.

Change this setting if adjusting [Adjust Toner Fusing Temperature] setting does not produce satisfactory results.

- Normal
- Slower
- Slow

The default setting is **Normal**.

0109: Double Feed Detect

Specify whether or not to detect double or multiple sheet feeds. Setting can be made for each tray independently. If "On" is selected, the printer detects double or multiple sheet feeds, preventing blank sheets being mixed into the output paper.

If you are using special paper such as released paper, malfunctions might occur. If this happens, select "Off" and disable this function.

- Tray 1
 - On
 - Off

The default setting is **On**.

- Tray 2
 - On
 - Off

The default setting is **On**.

- Tray 3
 - On
 - Off

The default setting is **On**.

- Tray 4
 - On
 - Off

The default setting is **On**.

- Tray 5
 - On
 - Off

The default setting is **On**.

- Tray 6
 - On

- Off

The default setting is **On**.

- Tray 7
 - On
 - Off

The default setting is **On**.

- When Double Feed is Detected

Specify how the printer responds when it detects a double feed.

- Suspended
- Auto Eject

The default setting is **Auto Eject**.

0110: After Double Feed Paper is Automatically Ejected

Specify how the printer responds when it detects a double feed.

If you select [Continue Printing], the printer delivers the double fed sheets onto the proof tray, and then continues printing.

If you select [Suspended], the printer delivers the double fed sheets onto the proof tray, and then displays a message asking you if you want to continue or cancel printing. If you select [Suspended] for setting 0109, the printer will suspend printing regardless of the setting specified here.

- Continue Printing
- Suspended

The default setting is **Suspended**.

0111: Auto Image Position Adjustment Across Feed Direction

Specify whether or not the printer automatically detects paper pathway deviations during the paper feeding process and adjusts the horizontal position of the print image accordingly. This setting can be specified for each tray independently.

This function relies on a sensor that receives light reflected from the paper's surface. For this reason, it might not work with non-reflective paper such as paper that is darkly colored, or with transparent film such as OHP transparencies, or with printed paper that has no margins. If this function does not work with the paper you have loaded, disable it by selecting "Off".

- Tray 1
 - On
 - Off

The default setting is **On**.

- Tray 2
 - On

- Off

The default setting is **On**.

- Tray 3

- On

- Off

The default setting is **On**.

- Tray 4

- On

- Off

The default setting is **On**.

- Tray 5

- On

- Off

The default setting is **On**.

- Tray 6

- On

- Off

The default setting is **On**.

- Tray 7

- On

- Off

The default setting is **On**.

- Back Side

- On

- Off

The default setting is **On**.

0114: Adjust Wide LCT Fan Timer

Specify the duration of the airflow from the fans in each tray of the optional wide LCT. This setting can be made for each tray independently. A longer duration will prevent multiple sheets of thick, coated, or other special paper being fed in together and becoming jammed.

- Tray 4

This setting controls the duration of the airflow generated by the tray's fan. Press [+] or [-] to increase or decrease the duration of the airflow.

- Max.: 10 second(s)

- Min.: 1 second(s)

- Step: 1 second(s)

The default setting is **3** second(s).

- Tray 5

This setting controls the duration of the airflow generated by the tray's fan. Press [+] or [-] to increase or decrease the duration of the airflow.

- Max.: 10 second(s)

- Min.: 1 second(s)

- Step: 1 second(s)

The default setting is **3** second(s).

- Tray 6

This setting controls the duration of the airflow generated by the tray's fan. Press [+] or [-] to increase or decrease the duration of the airflow.

- Max.: 10 second(s)

- Min.: 1 second(s)

- Step: 1 second(s)

The default setting is **3** second(s).

7

0116: Adjust Image Quality

Use this function to clean the drum and prevent white spots from appearing on the printed image.


0118: Temperature / Humidity around the Machine

Use this function to display the air temperature or humidity in the vicinity of the printer. Report this information if your service representative requests it.

- Temperature
- Humidity

0201: Adjust Staple Position / Finisher

Adjust the vertical position of stapling when using the optional finisher. Press [+] to move the position forward (up), or [-] to move it backward (down).

- A3 
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

- B4 JIS 
 - Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- A4 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- A4 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- B5 JIS 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- 11×17 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- 8¹/₂×14 

- Max.: 2.0 mm

- Min.: -2.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

0202: Adjust Punch Position With Feed Dir. / Finisher

Adjust the horizontal position of the punch holes when using the optional finisher. Press [+] to move the position closer to the bottom (right) relative to the paper feed direction, or [-] to move it closer to the top (left).

- 2 Holes Type JP / EU

- Max.: 7.5 mm
- Min.: -7.5 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 3 Holes Type US

- Max.: 7.5 mm
- Min.: -7.5 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 4 Holes Type EU

- Max.: 7.5 mm
- Min.: -7.5 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 4 Holes Type NE
 - Max.: 7.5 mm
 - Min.: -7.5 mm
 - Step: 0.5 mm


The default setting is 0 mm.

- 2 Holes Type US
 - Max.: 7.5 mm
 - Min.: -7.5 mm
 - Step: 0.5 mm


The default setting is 0 mm.

0301: Adjust Staple Position for Booklet


To use the optional booklet finisher, you must adjust the position of the booklet staples relative to the paper feed direction: Press [+] to move the staple position rightward (across horizontally-spreading pages), or press [-] to move it leftward.

- A3 
 - Max.: 1.0 mm
 - Min.: -1.0 mm
 - Step: 0.2 mm


The default setting is 0 mm.

- B4 JIS 
 - Max.: 1.0 mm
 - Min.: -1.0 mm
 - Step: 0.2 mm

The default setting is 0 mm.

- A4 
 - Max.: 1.0 mm
 - Min.: -1.0 mm
 - Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 
 - Max.: 1.0 mm
 - Min.: -1.0 mm
 - Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 13×19 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0302: Adjust Folding Position for Booklet

To use the optional booklet finisher, you must adjust the position of the booklet staples relative to the paper feed direction: Press [+] to move the staple position rightward (across horizontally-spreading pages), or press [-] to move it leftward.

- A3 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 13×19 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.2 mm


The default setting is 0 mm.

- 11×17 

- Max.: 1.0 mm
- Min.: -1.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- $8\frac{1}{2} \times 14$ 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- $8\frac{1}{2} \times 11$ 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

0303: Adjust Staple Position / Booklet Finisher

Adjusts the vertical position of the booklet staples when using the optional booklet finisher. Press [+] to move the position up (backward), and [-] to move it down (forward).

- A3 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- B4 JIS 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- A4 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- A4 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- B5 JIS 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- 11×17 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- 8¹/₂×14 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.


- 8¹/₂×11 

- Max.: 1.0 mm

- Min.: -1.0 mm

- Step: 0.5 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 8K 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 16K 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 16K 

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 1.0 mm
- Min.: -1.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

0304: Adjust Punch Position Across Feed Dir. / Booklet Finisher

Adjust the horizontal position of the punch holes when using the optional booklet finisher. Press [+] to move the position forward (up), or [-] to move it backward (down).

- 2 Holes Type JP / EU

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 3 Holes Type US

- Max.: 2.0 mm
- Min.: -2.0 mm
- Step: 0.5 mm

The default setting is **0** mm.

- 4 Holes Type EU
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

- 4 Holes Type NE
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

- 2 Holes Type US
 - Max.: 2.0 mm
 - Min.: -2.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

0305: Adjust Punch Position With Feed Dir. / Booklet Finisher

Adjust the horizontal position of the punch holes when using the optional booklet finisher. Press **[+]** to move the holes toward the top edge (left), and **[-]** to move them toward the bottom edge (right) relative to the paper feed direction.

- 2 Holes Type JP / EU
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

- 3 Holes Type US
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.5 mm

The default setting is **0** mm.

- 4 Holes Type EU

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.5 mm

The default setting is 0 mm.

- 4 Holes Type NE
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.5 mm

The default setting is 0 mm.

- 2 Holes Type US
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.5 mm

The default setting is 0 mm.

0407: Maximum Stack Quantity in Stacker Tray

Specify the maximum quantity allowed to be stacked in the stacker tray. The number of sheets stackable in the stacker tray varies, depending on the size, thickness, and the condition of the output paper such as the degree of paper curl. To prevent the stacker tray being overloaded, specify the level at which the printer detects a tray-full status and displays a warning message.

- 0=100 %
- 1=75 %
- 2=50 %
- 3=25 %

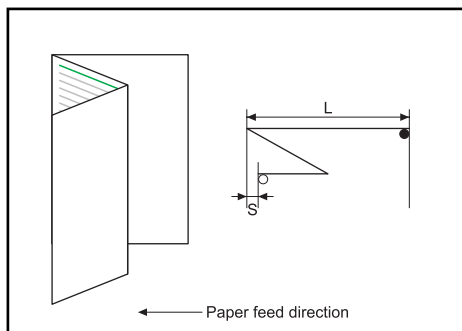
The default setting is 0=100 %

For media smaller than B5, 50 % is specified even if 0 or 1 is selected.

0501: Adjust Z-fold Position 1

Adjust the width of the bottom end segment (S) of Z-fold sheets when using the optional multi-folding unit. Press [+] to make the end segment wider, or [-] to make it narrower.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU022D

- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

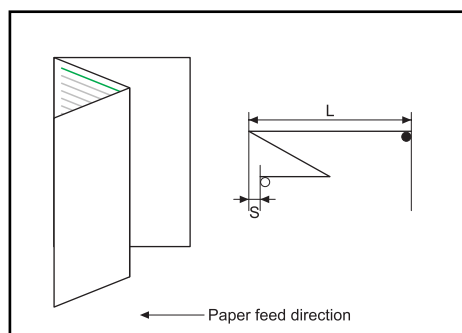
The default setting is 0 mm.

7

0502: Adjust Z-fold Position 2

Adjust the overall size (L) of Z-fold sheets when using the optional multi-folding unit. Press [+] to increase the overall size, or [-] to reduce it.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU022D

- A3 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm

- Step: 0.2 mm
- The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

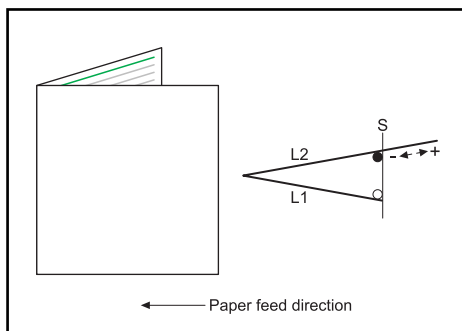
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0503: Adjust Half Fold Position

Adjust the fold position (S) of half fold sheets when using the optional multi-folding unit. Press [+] to move the fold to the right, or [-] to move it to the left.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU017D

- A3 


- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.


- B4 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm


The default setting is **0** mm.

- A4 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm


The default setting is **0** mm.

- 11×17 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm


The default setting is **0** mm.

- 8¹/₂×14 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm


The default setting is **0** mm.

- 8¹/₂×11 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm


The default setting is **0** mm.

- 12×18 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm

The default setting is **0** mm.

- 8K 
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm


The default setting is **0** mm.

- B5 JIS 
 - Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- $13 \times 19^{1/5}$ 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- 13×19 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- $12^{3/5} \times 19^{1/5}$ 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- $12^{3/5} \times 18^{1/2}$ 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- 13×18 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- SRA3 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- SRA4 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 226×310 mm 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 310×432 mm 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

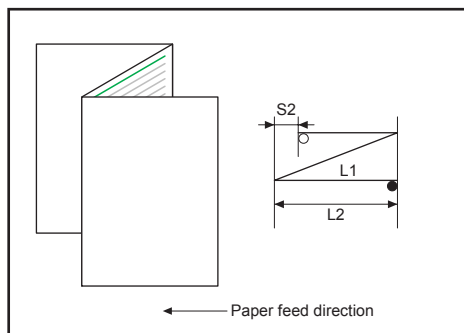
The default setting is 0 mm.

0504: Adjust Letter Fold-out Position 1

Adjust the fold position for the bottom segment (S2) of letter fold-out sheets when using the optional multi-folding unit.

When you specify multifold, you cannot change the positions of the folds. Any adjusted settings will be cleared if you press [OK] when prompted to select multifold.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 3.0 mm
- Min.: -3.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

Only a value in the range of [-3.00] to [3.00] mm can be specified for this setting, even though [-4.00] to [4.00] mm is displayed on the operation panel.

- Other Paper Sizes

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

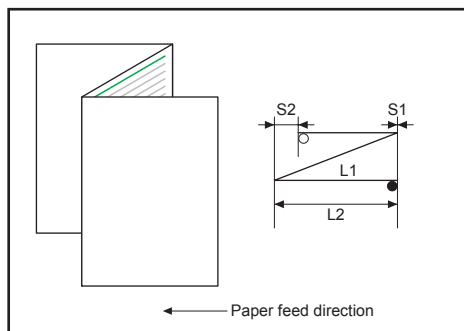
The default setting is 0 mm.

0505: Adjust Letter Fold-out Position 2

Adjust the overall fold size (L2) of letter fold-out sheets when using the optional multi-folding unit.

When you specify multifold, you cannot change the overall size of the folds. Any adjusted settings will be cleared if you press [OK] when prompted to select multifold.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU045D

- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 3.0 mm
- Min.: -3.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

Only a value in the range of [-3.00] to [3.00] mm can be specified for this setting, even though [-4.00] to [4.00] mm is displayed on the operation panel.

- Other Paper Sizes

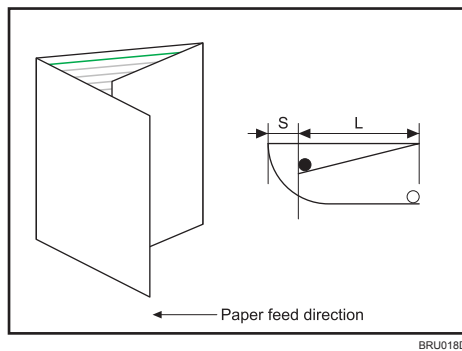
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0506: Adjust Letter Fold-in Position 1

Adjust the fold position of the bottom segment (S) of letter fold-in sheets when using the optional multi-folding unit.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

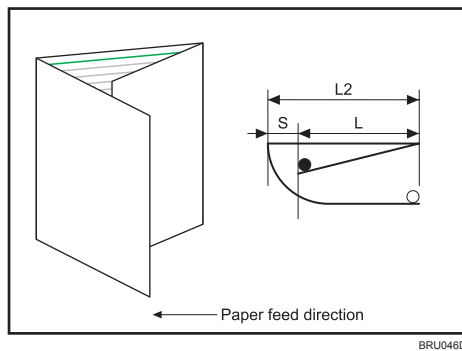
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0507: Adjust Letter Fold-in Position 2

Adjust the overall fold size (L2) of letter fold-in sheets when using the optional multi-folding unit.

The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



- A3

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

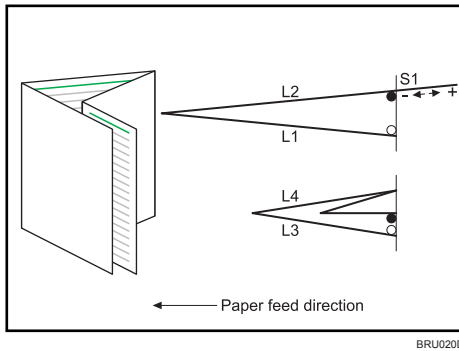
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0508: Adjust Double Parallel Fold Position 1

Adjust the fold width for segment 1 of double parallel fold (S1) sheets when using the optional multi-folding unit. Press [+] to increase the segment width (L1), or [-] to decrease it.

The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet. The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU020D

- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

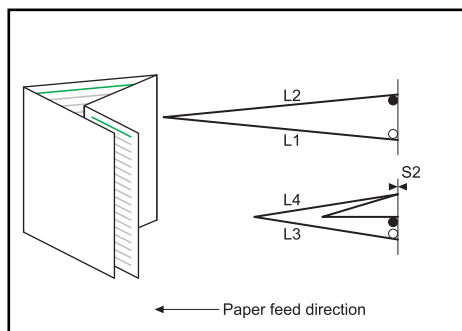
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0509: Adjust Double Parallel Fold Position 2

Adjust the fold width of segment 2 of double parallel fold (S2) sheets when using the optional multi-folding unit. Press [+] to increase the segment width (L3), or [-] to decrease.

The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet. The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU047D

- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is **0** mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is **0** mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is **0** mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is **0** mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is **0** mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 12×18 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

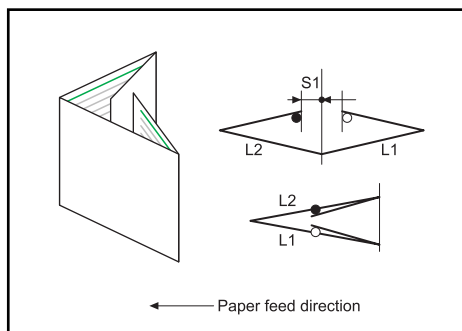
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0510: Adjust Gate Fold Position 1

Adjust the fold position (S1) of segment 1 of gate fold sheets when using the optional multi-folding unit.

The upper right illustration shows a partly opened, gate folded sheet (folded in half), and the lower right illustration shows a fully folded sheet. The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU021D

- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

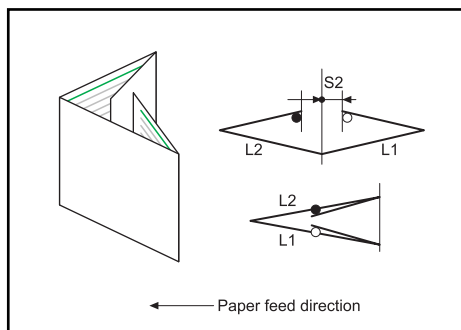
The default setting is 0 mm.

7

0511: Adjust Gate Fold Position 2

Adjust the fold position (S2) of segment 2 of gate fold sheets when using the optional multi-folding unit.

The upper right illustration shows a partly opened, gate folded sheet (folded in half), and the lower right illustration shows a fully folded sheet. The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



BRU048D

- A3 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- A4 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 11×17 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×14 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm
- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes

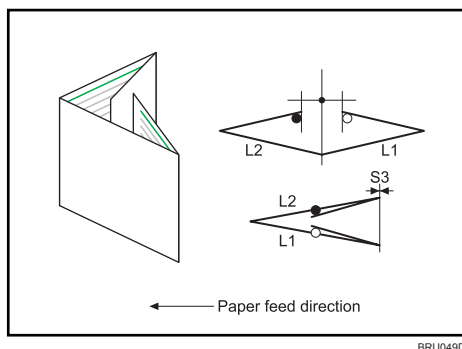
- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

0512: Adjust Gate Fold Position 3

Adjust the fold position (S3) of segment 3 of gate fold sheets when using the optional multi-folding unit.

The upper right illustration shows a partly opened, gate folded sheet (folded in half), and the lower right illustration shows a fully folded sheet. The ○ mark indicates the leading edge (relative to the paper feed direction), and the ● mark indicates the trailing edge.



- A3 ☐

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- B4 JIS ☐

- Max.: 4.0 mm
- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- A4 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- 11×17 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- 12×18 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.


- 8¹/₂×14 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- 8¹/₂×11 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- 8K 

- Max.: 4.0 mm

- Min.: -4.0 mm

- Step: 0.2 mm

The default setting is 0 mm.

- B5 JIS 

- Max.: 4.0 mm
- Min.: -4.0 mm
- Step: 0.2 mm

The default setting is 0 mm.

- Other Paper Sizes
 - Max.: 4.0 mm
 - Min.: -4.0 mm
 - Step: 0.2 mm

The default setting is 0 mm.

0901: Reset All Adjustment Settings

Press [Start] to return the adjustment settings to their default values.

Precautions

Pay attention to the following when using the printer on a LAN or similar network. If network devices need to be configured, make the necessary settings correctly before using the printer.

When using network utility

If the machine is connected to a network, observe the following points when setting up the machine or changing settings:

- When using the printer monitor on a computer with dial-up access, a dial-up connection may be performed when connecting to the delivery server and other equipment, depending on the setup. If the computer is set up to connect to the Internet automatically, the confirmation dialog box will not appear, and telephone charges may be incurred without your being aware of it. To prevent unnecessary connections, the computer should be set up so the confirmation dialog box always appears before establishing a connection. Do not make unnecessary connections when using the above listed software.

Specifications

Interface	1000BASE-T, 100BASE-TX, 10BASE-T	
Frame type	Ethernet II, IEEE 802.2, IEEE 802.3, SNAP	
Printer	TCP/IP (IPv4/IPv6)	
		LPR
		IPP
		IPP-SSL
		RHPP
	AppleTalk	
Management Function	TCP/IP (IPv4/IPv6)	
		Bonjour
		RSH
		IPsec
		FTP
		SNMP
		SSDP (upnp)
		SSH
		SFTP
		SMB
		SNTP
		HTTP
		TELNET (mshell)
		NBT
		DNS

To use IPP under Windows XP/Vista, Windows Server 2003/2003 R2, use the Standard IPP port.

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

Copyrights

expat

- The software including controller, etc. (hereinafter "software") installed on this product uses the expat under the conditions mentioned below.
- The product manufacturer provides warranty and support to the software of the product including the expat, and the product manufacturer makes the initial developer and copyright holder of the expat, free from these obligations.
- Information relating to the expat is available at:
<http://expat.sourceforge.net/>

Copyright (c) 1998, 1999, 2000 Thai Open Source Software Centre, Ltd. and Clark Cooper.

Copyright (c) 2001, 2002 Expat maintainers.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

NetBSD

1. Copyright Notice of NetBSD

For all users to use this product:

This product contains NetBSD operating system:

For the most part, the software constituting the NetBSD operating system is not in the public domain; its authors retain their copyright.

The following text shows the copyright notice used for many of the NetBSD source code. For exact copyright notice applicable for each of the files/binaries, the source code tree must be consulted.

A full source code can be found at <http://www.netbsd.org/>.

Copyright (c) 1999, 2000 The NetBSD Foundation, Inc. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

This product includes software developed by The NetBSD Foundation, Inc. and its contributors.

4. Neither the name of The NetBSD Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE NETBSD FOUNDATION, INC. AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

2. Authors Name List

All product names mentioned herein are trademarks of their respective owners.

The following notices are required to satisfy the license terms of the software that we have mentioned in this document:

- This product includes software developed by the University of California, Berkeley and its contributors.
- This product includes software developed by Jonathan R. Stone for the NetBSD Project.
- This product includes software developed by the NetBSD Foundation, Inc. and its contributors.
- This product includes software developed by Manuel Bouyer.
- This product includes software developed by Charles Hannum.
- This product includes software developed by Charles M. Hannum.
- This product includes software developed by Christopher G. Demetriou.
- This product includes software developed by Tools GmbH.
- This product includes software developed by Terrence R. Lambert.
- This product includes software developed by Adam Glass and Charles Hannum.
- This product includes software developed by Theo de Raadt.

- This product includes software developed by Jonathan Stone and Jason R. Thorpe for the NetBSD Project.
- This product includes software developed by the University of California, Lawrence Berkeley Laboratory and its contributors.
- This product includes software developed by Christos Zoulas.
- This product includes software developed by Christopher G. Demetriou for the NetBSD Project.
- This product includes software developed by Paul Kranenburg.
- This product includes software developed by Adam Glass.
- This product includes software developed by Jonathan Stone.
- This product includes software developed by Jonathan Stone for the NetBSD Project.
- This product includes software developed by Winning Strategies, Inc.
- This product includes software developed by Frank van der Linden for the NetBSD Project.
- This product includes software developed for the NetBSD Project by Frank van der Linden.
- This product includes software developed for the NetBSD Project by Jason R. Thorpe.
- The software was developed by the University of California, Berkeley.
- This product includes software developed by Chris Provenzano, the University of California, Berkeley, and contributors.

Sablotron

Sablotron (Version 0.82) Copyright (c) 2000 Ginger Alliance Ltd. All Rights Reserved.

a) The application software installed on this product includes the Sablotron software Version 0.82 (hereinafter, "Sablotron 0.82"), with modifications made by the product manufacturer. The original code of the Sablotron 0.82 is provided by Ginger Alliance Ltd., the initial developer, and the modified code of the Sablotron 0.82 has been derived from such original code provided by Ginger Alliance Ltd.

b) The product manufacturer provides warranty and support to the application software of this product including the Sablotron 0.82 as modified, and the product manufacturer makes Ginger Alliance Ltd., the initial developer of the Sablotron 0.82, free from these obligations.

c) The Sablotron 0.82 and the modifications thereof are made available under the terms of Mozilla Public License Version 1.1 (hereinafter, "MPL 1.1"), and the application software of this product constitutes the "Larger Work" as defined in MPL 1.1. The application software of this product except for the Sablotron 0.82 as modified is licensed by the product manufacturer under separate agreement (s).

d) The source code of the modified code of the Sablotron 0.82 is available at: <http://support-download.com/services/device/sablot/notice082.html>

e) The source code of the Sablotron software is available at: <http://www.gingerall.com>

f) MPL 1.1 is available at: <http://www.mozilla.org/MPL/MPL-1.1.html>

JPEG LIBRARY

The software installed on this product is based in part on the work of the Independent JPEG Group.

SASL

CMU libsasl

Tim Martin

Rob Earhart

Rob Siemborski

Copyright (c) 2001 Carnegie Mellon University. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The name "Carnegie Mellon University" must not be used to endorse or promote products derived from this software without prior written permission.

For permission or any other legal details, please contact:

Office of Technology Transfer

Carnegie Mellon University

5000 Forbes Avenue

Pittsburgh, PA 15213-3890

(412) 268-4387, fax: (412) 268-7395

tech-transfer@andrew.cmu.edu

4. Redistributions of any form whatsoever must retain the following acknowledgment: "This product includes software developed by Computing Services at Carnegie Mellon University (<http://www.cmu.edu/computing/>)."

CARNEGIE MELLON UNIVERSITY DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS, IN NO EVENT SHALL CARNEGIE MELLON UNIVERSITY BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

MD4

Copyright (c) 1990-2, RSA Data Security, Inc. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD4 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

MD5

Copyright (c) 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

License to copy and use this software is granted provided that it is identified as the "RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing this software or this function.

License is also granted to make and use derivative works provided that such works are identified as "derived from the RSA Data Security, Inc. MD5 Message-Digest Algorithm" in all material mentioning or referencing the derived work.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

These notices must be retained in any copies of any part of this documentation and/or software.

RSA BSAFE®



- This product includes RSA BSAFE(c) cryptographic or security protocol software from RSA Security Inc.
- RSA and BSAFE are registered trademarks of RSA Security Inc. in the United States and/or other countries.
- RSA Security Inc. All rights reserved.

Samba

For SMB transmission, this machine uses Samba.

Copyright (c) Andrew Tridgell 1994-1998.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

Note

- The source code for SMB transmission by this machine can be downloaded from the following website:

<http://support-download.com/services/scbs>

Open SSL

Copyright (c) 1998-2004 The OpenSSL Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgment:

"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

4. The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact openssl-core@openssl.org.

5. Products derived from this software may not be called "OpenSSL" nor may "OpenSSL" appear in their names without prior written permission of the OpenSSL Project.

6. Redistributions of any form whatsoever must retain the following acknowledgment:

"This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This product includes cryptographic software written by Eric Young (ey@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com).

Original SSLeay License

Copyright (C) 1995-1998 Eric Young (ey@cryptsoft.com) All rights reserved.

This package is an SSL implementation written by Eric Young (ey@cryptsoft.com). The implementation was written so as to conform with Netscapes SSL.

This library is free for commercial and non-commercial use as long as the following conditions are aheared to. The following conditions apply to all code found in this distribution, be it the RC4, RSA, lhash, DES, etc., code; not just the SSL code. The SSL documentation included with this distribution is covered by the same copyright terms except that the holder is Tim Hudson (tjh@cryptsoft.com).

Copyright remains Eric Young's, and as such any Copyright notices in the code are not to be removed. If this package is used in a product, Eric Young should be given attribution as the author of the parts of the library used. This can be in the form of a textual message at program startup or in documentation (online or textual) provided with the package.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. All advertising materials mentioning features or use of this software must display the following acknowledgement: "This product includes cryptographic software written by Eric Young (ey@cryptsoft.com)" The word 'cryptographic' can be left out if the rouines from the library being used are not cryptographic related :-).

4. If you include any Windows specific code (or a derivative thereof) from the apps directory (application code) you must include an acknowledgement: "This product includes software written by Tim Hudson (tjh@cryptsoft.com)"

THIS SOFTWARE IS PROVIDED BY ERIC YOUNG "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The licence and distribution terms for any publically available version or derivative of this code cannot be changed. i.e. this code cannot simply be copied and put under another distribution licence.

[including the GNU Public Licence.]

Open SSH

The licences which components of this software fall under are as follows. First, we will summarize and say that all components are under a BSD licence, or a licence more free than that.

OpenSSH contains no GPL code.

1)

Copyright (c) 1995 Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland All rights reserved

As far as I am concerned, the code I have written for this software can be used freely for any purpose. Any derived versions of this software must be clearly marked as such, and if the derived work is incompatible with the protocol description in the RFC file, it must be called by a name other than "ssh" or "Secure Shell".

[Tatu continues]

However, I am not implying to give any licenses to any patents or copyrights held by third parties, and the software includes parts that are not under my direct control. As far as I know, all included source code is used in accordance with the relevant license agreements and can be used freely for any purpose (the GNU license being the most restrictive); see below for details.

[However, none of that term is relevant at this point in time. All of these restrictively licenced software components which he talks about have been removed from OpenSSH, i.e.,

- RSA is no longer included, found in the OpenSSL library
- IDEA is no longer included, its use is deprecated
- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL

- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

Note that any information and cryptographic algorithms used in this software are publicly available on the Internet and at any major bookstore, scientific library, and patent office worldwide. More information can be found e.g. at "<http://www.cs.hut.fi/crypto>".

The legal status of this program is some combination of all these permissions and restrictions. Use only at your own responsibility. You will be responsible for any legal consequences yourself; I am not making any claims whether possessing or using this is legal or not in your country, and I am not taking any responsibility on your behalf.

NO WARRANTY

BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

2)

The 32-bit CRC compensation attack detector in deattack.c was contributed by CORE SDI S.A. under a BSD-style license.

Cryptographic attack detector for ssh - source code

Copyright (c) 1998 CORE SDI S.A., Buenos Aires, Argentina. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that this copyright notice is retained.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES ARE DISCLAIMED. IN NO EVENT SHALL CORE SDI S.A. BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR MISUSE OF THIS SOFTWARE.

Ariel Futoransky <futo@core-sdi.com>

<<http://www.core-sdi.com>>

3)

One component of the ssh source code is under a 3-clause BSD license, held by the University of California, since we pulled these parts from original Berkeley code.

Copyright (c) 1983, 1990, 1992, 1993, 1995

The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

4)

Remaining components of the software are provided under a standard 2-term BSD licence with the following names as copyright holders:

Markus Friedl

Theo de Raadt

Niels Provos

Dug Song

Kevin Steves

Daniel Kouril

Wesley Griffin

Per Allansson

Jason Downs

Solar Designer

Todd C. Miller

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

5)

Portable OpenSSH contains the following additional licenses:

c) Compatibility code (openbsd-compat)

Apart from the previously mentioned licenses, various pieces of code in the openbsd-compat/ subdirectory are licensed as follows:

Some code is licensed under a 3-term BSD license, to the following copyright holders:

Todd C. Miller

Theo de Raadt

Damien Miller

Eric P. Allman

The Regents of the University of California

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Heimdal

Copyright (c) 1997-2005 Kungliga Tekniska Högskolan (Royal Institute of Technology, Stockholm, Sweden). All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. Neither the name of the Institute nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE INSTITUTE AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE INSTITUTE OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Open LDAP

The OpenLDAP Public License Version 2.8, 17 August 2003.

Redistribution and use of this software and associated documentation ("Software"), with or without modification, are permitted provided that the following conditions are met:

1. Redistributions in source form must retain copyright statements and notices,
2. Redistributions in binary form must reproduce applicable copyright statements and notices, this list of conditions, and the following disclaimer in the documentation and/or other materials provided with the distribution, and
3. Redistributions must contain a verbatim copy of this document.

The OpenLDAP Foundation may revise this license from time to time. Each revision is distinguished by a version number. You may use this Software under terms of this license revision or under the terms of any subsequent revision of the license.

THIS SOFTWARE IS PROVIDED BY THE OPENLDAP FOUNDATION AND ITS CONTRIBUTORS "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENLDAP FOUNDATION, ITS CONTRIBUTORS, OR THE AUTHOR(S) OR OWNER(S) OF THE SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The names of the authors and copyright holders must not be used in advertising or otherwise to promote the sale, use or other dealing in this Software without specific, written prior permission. Title to copyright in this Software shall at all times remain with copyright holders.

OpenLDAP is a registered trademark of the OpenLDAP Foundation.

Copyright (c) 1999-2003 The OpenLDAP Foundation, Redwood City, California, USA. All Rights Reserved. Permission to copy and distribute verbatim copies of this document is granted.

IPSTM print language emulations

Copyright (c) 1987-2006 Zoran Corporation. All rights reserved.

SNMP

The software embedded in this product uses the software by CMU.

Copyright 1988, 1989 by Carnegie Mellon University. All rights reserved.

Permission to use copy, modify, and distribute this software and its documentation for any purpose and without fee is hereby granted, provided that the above copyright notice appear in all copies and that both that copyright notice and this permission notice appear in supporting documentation, and that the name of CMU not be used in advertising or publicity pertaining to distribution of the software without specific, written prior permission.

Trademarks

Microsoft®, Windows®, Windows Server®, and Windows Vista® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Adobe, Acrobat, Acrobat Reader, PostScript, and Reader are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or countries.

Apple, AppleTalk, Bonjour, Macintosh, Mac OS, and TrueType are registered trademarks of Apple Inc., registered in the U.S. and other countries.

IPS is a trademark or registered trademark of Zoran Corporation and/or its subsidiaries in the United States or other countries.

Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

Monotype is a registered trademark of Monotype Imaging Inc.

PCL® is a registered trademark of Hewlett-Packard Company.

UPnP is a trademark of the UPnP Implementers Corporation.

Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all right to those marks.

The proper names of the Windows operating systems are as follows:

*The product names of Windows 2000 are as follows:

Microsoft® Windows® 2000 Professional

Microsoft® Windows® 2000 Server

Microsoft® Windows® 2000 Advanced Server

*The product names of Windows XP are as follows:

Microsoft® Windows® XP Professional Edition

Microsoft® Windows® XP Home Edition

Microsoft® Windows® XP Media Center Edition

Microsoft® Windows® XP Tablet PC Edition

*The product names of Windows Vista are as follows:

Microsoft® Windows Vista® Ultimate

Microsoft® Windows Vista® Business

Microsoft® Windows Vista® Home Premium

Microsoft® Windows Vista® Home Basic

Microsoft® Windows Vista® Enterprise

*The product names of Windows 7 are as follows:

Microsoft® Windows® 7 Home Premium

Microsoft® Windows® 7 Professional

Microsoft® Windows® 7 Ultimate

Microsoft® Windows® 7 Enterprise

*The product names of Windows Server 2003 are as follows:

Microsoft® Windows Server® 2003 Standard Edition

Microsoft® Windows Server® 2003 Enterprise Edition

*The product names of Windows Server 2003 R2 are as follows:

Microsoft® Windows Server® 2003 R2 Standard Edition

Microsoft® Windows Server® 2003 R2 Enterprise Edition

*The product names of Windows Server 2008 are as follows:

Microsoft® Windows Server® 2008 Standard

Microsoft® Windows Server® 2008 Enterprise

*The product names of Windows Server 2008 R2 are as follows:

Microsoft® Windows Server® 2008 R2 Standard

Microsoft® Windows Server® 2008 R2 Enterprise

INDEX

A

Access Control	
Printer.....	95
web interface.....	95
Access Control Range.....	74
ACK Response Time.....	71
Adding a group to another group.....	190
Address book.....	175
Address Book	
change order.....	36
edit title.....	37
program / change / delete group.....	35
switch title.....	38
Address Book Management.....	35
Adjustment settings for operators.....	199
Administrator Authentication Management.....	40
Administrator mode.....	106
Administrator Tools.....	35
Administrator's E-mail Address.....	34
AOF.....	41
AppleTalk.....	73
Authentication.....	75
Authentication information.....	180
Auto Logout Timer.....	25
Auto Off Timer	
type 1.....	24
type 2.....	24
type 3.....	24

B

Back Up / Restore Address Book.....	38
-------------------------------------	----

C

Changing a group name.....	195
Changing a registered name.....	178
Changing a user code.....	181
Changing the adjustment settings for operators.....	199
Changing tray paper settings.....	51
Clearing the number of prints.....	187
Connecting	
interfaces.....	77
printer interface.....	79
system interface.....	77
Copyrights.....	248

Cover Interposer Tray

Paper Size.....	67
-----------------	----

D

DDNS Configuration.....	28, 70
Delete All Logs.....	41
Deleting a group.....	196
Deleting a group within another group.....	194
Deleting a registered name.....	179
Deleting a user code.....	183
DIPRINT.....	73
Display / Clear / Print Counter per User.....	39
Display / Print Counter.....	39
Display panel.....	13
Displayed information.....	163
Displaying names registered in a group.....	192
Displaying the counter for each user.....	184
DNS Configuration.....	28
DNS Server IPv4 Address.....	71
DNS Server IPv6 Address.....	71
Domain Name.....	28, 71
Double Parallel Fold Position.....	20

E

E-mail	
ethernet.....	85
network settings.....	85
E-mail Communication Port.....	34
E-mail Reception Interval.....	34
E-mail Settings.....	32
system.....	90
telnet.....	90
web image monitor.....	90
E-mail Storage in Server.....	34
EAP-TLS.....	72
Effective Protocol.....	28
Emulation.....	71
Energy Saver Timer.....	24
Ethernet interface	
system interface.....	78
Ethernet Speed.....	29
Extended Security.....	40
Firmware Version.....	41

G

Gate Fold Position.....	20
General features.....	17
Gigabit Ethernet interface	
printer interface.....	80
Group	
registering names to group.....	189
Guest mode.....	106

H

Half Fold Position.....	20
Host Name.....	30, 71
HTTP.....	73
HTTP Port Number.....	70

I

IEEE 1284 interface	
printer interface.....	79
IEEE 802.1X.....	71, 72
IEEE 802.1X Authentication for Ethernet.....	29
Interface Settings.....	27
printer.....	91
system.....	87
telnet.....	87
web image monitor.....	87
web interface.....	91
Interfaces	
connecting.....	77
IP address.....	10
IP Address Setting Method.....	69
IPP.....	73
IPP (Port 631).....	73
IPP Authentication	
Printer.....	99
web interface.....	99
IPsec.....	28
IPv4.....	69
IPv4 Address.....	69
IPv4 Default Gateway Address.....	69
IPv4 Gateway Address.....	27
IPv6.....	70
IPv6 Address.....	70
IPv6 Gateway Address.....	27
IPv6 Stateless Address Autoconfiguration.....	27

K

Key Repeat.....	18
-----------------	----

L

Laws and regulations.....	11
LDAP.....	42
changing.....	45
deleting.....	45
programming.....	42
LEAP.....	72
Legal prohibition.....	11
Letter Fold-in Position.....	20
Letter Fold-out Position.....	20
Log out	
Web Image Monitor.....	105
Login	
administrator mode.....	107
Web Image Monitor.....	105
LPR / LPD.....	73

M

Machine IPv4 Address.....	27
Machine IPv6 Address.....	27
Machine Name.....	30
Major items.....	9
booklet finisher.....	9
cover interposer.....	9
decurler.....	9
finisher.....	9
LCT.....	9
multi-folding unit.....	9
roll-away cart.....	9
stacker.....	9
trimmer.....	9
Wide LCT.....	9
Managing users and machine usage.....	176
Manual Configuration Address.....	70
Message.....	170
Mode.....	71
Model-specific information.....	12

N

Network.....	69
Interface settings.....	27
Network interface board configuration.....	163

Network security		Interface settings.....	30
Printer.....	93	Printer	
Network Security		ethernet.....	83
web interface.....	93	network settings.....	83
Network Security Level.....	41	Printer Auto Reset Timer.....	25
Network settings		Printer interface	
e-mail.....	85	connecting.....	79
printer.....	83	gigabit ethernet interface.....	80
system.....	87	IEEE 1284 interface.....	79
web image monitor.....	87	Printer settings	
web interface.....	87	Access control.....	74
Network utility.....	245	Interface settings.....	69
Note.....	10	IPP Authentication.....	75
Notice.....	8	Network security.....	73
		SSL/TLS.....	76
O		Printer status.....	150
Output Printer.....	18	Printing the counter for all users.....	186
Output tray.....	20	Printing the counter for each user.....	185
Output Tray Setting.....	19	Program / Change / Delete LDAP Server.....	40
P		Program / Change / Delete Realm.....	40
Panel Key Sound.....	18	Program / Change / Delete User Text.....	17
Panel Off Timer.....	24	Program / Change Administrator.....	40
Paper Curl Correction Level.....	19	R	
Paper settings		Realm.....	47
Cover Interposer Tray.....	67	changing.....	48
Tray 1.....	53, 54	deleting.....	48
Tray 2.....	54	programming.....	47
Tray 3.....	56	Reception Protocol.....	33
Tray 4.....	57	Registering a group.....	188
Tray 5.....	59, 61	Registering a user code.....	180
Tray 6.....	62, 63	Registering names.....	177
Tray 7.....	64, 66	Registering names to a group.....	188
Paper tray priority.....	23	Remote maintenance.....	124
Paper Tray Priority		Removing a name from a group.....	192
printer.....	18	Restore IEEE 802.1X Authentication to Defaults.....	29
Parallel interface.....	71	S	
Password.....	72	Screen Color Setting.....	18
PEAP (MSCHAPv2).....	72	Set Date.....	25
Permit SNMPv3 Communication.....	30	Set Time.....	25
Permit SSL / TLS Communication.....	30, 76	Setting Items.....	107
Ping Command.....	29	Web Image Monitor.....	107
POP before SMTP.....	32	Setting values.....	200
POP3 / IMAP4 Settings.....	33	SMB Computer Name.....	28
Precautions.....	245		
Print list			

SMB Work Group.....	28	set.....	139
SMTP Authentication.....	32	show.....	141
SMTP Server.....	32	smb.....	141
SNMP.....	73	snmp.....	142
SNMP Public Write.....	73	sntp.....	145
Specifications.....	246	ssdp.....	146
SSL / TLS (Port 443).....	73	ssh.....	146
SSL/TLS		syslog.....	147
Printer.....	100	upnp.....	147
web interface.....	100	web.....	147
Stateless Address Autoconfiguration.....	70	wins.....	148
status.....	150	Timer Settings.....	24
Status Indicator.....	18	Top Page.....	104
Subnet Mask.....	69	Trademarks.....	262
Symbol.....	9	Transfer Log Setting.....	41
syslog.....	170	Transmission Speed.....	69
System Auto Reset Timer.....	24	Tray 1	
System interface		Paper Size.....	53, 54
connecting.....	77	Paper Thickness.....	53, 54
ethernet interface.....	78	Paper Type.....	53, 54
System log information		tray 2	
syslog.....	170	Paper Size.....	54
System Status Display Time.....	18	Tray 2	
		Paper Thickness.....	54
		Paper Type.....	54
		Tray 3	
		Paper Size.....	56
		Paper Thickness.....	56
		Paper Type.....	56
		Tray 4	
		Paper settings.....	58
		Paper Size.....	57, 58
		Paper Thickness.....	57, 58
		Paper Type.....	57, 58
		Tray 5	
		Paper Size.....	59, 61
		Paper Thickness.....	59, 61
		Paper Type.....	59, 61
		Tray 6	
		Paper Size.....	62, 63
		Paper Thickness.....	62, 63
		Paper Type.....	62, 63
		Tray 7	
		Paper Size.....	64, 66
		Paper Thickness.....	64, 66
		Paper Type.....	64, 66
		Tray paper settings.....	51, 53

T

telnet.....	124
8021x.....	125
access.....	126
autonet.....	127
bonjour.....	128
devicename.....	129
dhcp.....	129
dhcp6.....	130
dns.....	131
domainname.....	133
etherauth.....	133
etherconfig.....	133
help.....	134
hostname.....	134
ifconfig.....	135
ipsec.....	136
IPv6.....	136
logout.....	136
passwd.....	136
pathmtu.....	137
route.....	137

U

User Authentication Management.....	39
User Name.....	72
User Name / Password.....	75
User tools.....	14
change the settings.....	14
Using Web Browser	
web image monitor.....	101
web interface.....	101
Web Interface.....	119

W

Warm-up Beeper.....	18
Web Image Monitor.....	104
account for e-mail notification.....	115
auto e-mail notification.....	116
e-mail notification.....	113
Format of on-demand e-mail messages.....	118
guest mode.....	106
help.....	111
log out.....	105
login.....	105
mail authentication.....	115
menu.....	106
mode.....	106
on-demand e-mail notification.....	117
top page.....	104, 119
user authentication.....	105
Web Interface	
administrator mode.....	120
help.....	121
setting items.....	120
Weekly Timer	
Monday - Sunday.....	25
Weekly Timer Code.....	25
WINS Configuration.....	28

Z

Z-fold Position.....	19
----------------------	----

MEMO

MEMO

MEMO

