

# Phaser 5335 User Guide

Xerox Corporation  
Global Knowledge & Language Services  
800 Phillips Road  
Building 218-01A  
Webster, New York 14580

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# Before Using the Machine

Welcome to the Xerox family of Phaser products.

This User Guide provides detailed information, technical specifications, and procedures for using the integral features of the machine.

This chapter provides information which users should be aware of before using the machine.

## Xerox Welcome Center

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If you need assistance during or after product installation, visit the Xerox website for online solutions and support.

<http://www.xerox.com/support>

If you require further assistance, contact our experts at the Xerox Welcome Center. A local representative telephone number may have been provided when the product was installed. For convenience and future reference, please record the telephone number in the space below.

Welcome Center or local representative telephone number:

# \_\_\_\_\_

Xerox US Welcome Center: 1-800-821-2797

Xerox Canada Welcome Center: 1-800-939-3769 (1-800-93-XEROX)

## Serial Number

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When you call the Xerox Welcome Center, you will need the serial number which is located on the rear cover.

For your convenience, record the serial number in the space below.

Serial Number:

\_\_\_\_\_

Keep a record of any error codes. This information helps us solve problems faster.

# Conventions

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This section describes the conventions that are used throughout this User Guide.

**WARNING:** indicates statements that alert you to the possibility of personal harm.

**CAUTION:** indicates statements that suggest the possibility of mechanical damages as a result of an action.

**Important:** indicates important information that a user should be aware of.

**Note:** indicates additional information on operations or features.

" ": indicates cross-references within this guide and input text


[ ]: indicates the values and error codes appear in the Display, and also indicates the names of menus, windows, dialog boxes, buttons, and other items displayed on a computer monitor.

< >: indicates hardware buttons on the Control Panel of the machine and keys on a computer keyboard.


>: indicates the hierarchies of the menus on the Control Panel of the machine, print driver, or CentreWare Internet Services.

This section also describes terms that are used throughout this User Guide.

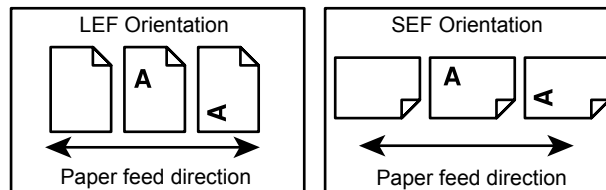
- Orientation is used to mean the direction of images on the page.

- LEF (Long Edge Feed) 

Loading documents and paper with one of the long edges to be fed into the machine first.

- SEF (Short Edge Feed) 

Loading documents and paper with one of the short edges to be fed into the machine first.



- Paper is synonymous with media, and is used interchangeably.
- Machine is synonymous with Xerox Phaser 5335, and is used interchangeably.
- Computer refers to a personal computer or workstation.
- System Administrator refers to a person who is responsible for maintaining the machine, such as setting up the machine, installing the print drivers, and managing software.



# Related Information Sources

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The following additional sources of information are available for the machine.

- Phaser 5335 User Guide
- Phaser 5335 Printing Guide

- Note**
- Please note that diagrams used in this User Guide apply to a fully configured machine and therefore may not exactly represent the configuration being used.
  - All the screen shots used in this User Guide are taken on Windows XP.

# Safety Notes

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Read these safety notes carefully before using this product to make sure you operate the equipment safely.

Your Xerox product and recommended supplies have been designed and tested to meet strict safety requirements. These include safety agency approval, and compliance to established environmental standards. Please read the following instructions carefully before operating the product and refer to them as needed to ensure the continued safe operation of your product.

The safety and environment testing and performance of this product have been verified using Xerox materials only.

**WARNING: Any unauthorized alteration, which may include the addition of new functions or connection of external devices, may impact the product certification. Please contact your authorized Service Provider for more information.**

## Warning Markings

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All warning instructions marked on or supplied with the product should be followed.



**WARNING** This WARNING alerts users to areas of the product where there is the possibility of personal injury.



**WARNING** This WARNING alerts users to areas of the product where there are heated surfaces, which should not be touched.



**WARNING** This symbol indicates a Laser is being used in the equipment and alerts the user to refer to the appropriate safety information



**WARNING** This product must be connected to a protective earthing circuit.

## Maintenance Information

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1. Any operator product maintenance procedures will be described in the customer documentation supplied with the product.
2. Do not carry out any maintenance procedures on this product which are not described in the customer documentation.
3. **WARNING:** Do not use aerosol cleaners. Aerosol cleaners can be explosive or flammable when used on electromechanical equipment.
4. Use supplies and cleaning materials only as directed in the Operator section of this manual.
5. Do not remove covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.

## Operator Accessible Areas

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This equipment has been designed to provide operator access to safe areas only. Operator access to hazardous areas is restricted using covers or guards, which require a tool to enable removal. Never remove these covers or guards.

## Electrical Safety Information

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1. The power receptacle for the machine must meet the requirements stated on the data plate on the rear of the machine. If you are not sure that your electrical supply meets the requirements, please consult your local power company or an electrician for advice.
2. The socket outlet shall be installed near the equipment and shall be easily accessible.
3. Use the power cable that is supplied with your machine. Do not use an extension cord or remove or modify the power cord plug.
4. Plug the power cable directly into a correctly grounded electrical outlet. If you are not sure whether or not an outlet is correctly grounded, consult an electrician.
5. Do not use an adapter to connect any Xerox equipment to an electrical outlet that lacks a ground connection terminal.
6. Do not place this equipment where people might step or trip on the power cable.
7. Do not place objects on the power cable.
8. Do not override or disable electrical or mechanical interlock devices.
9. Do not push objects into slots or openings on the machine. Electrical shock or fire may result.
10. Do not obstruct ventilation openings. These openings are used to provide proper cooling to the Xerox machine.

## Electrical Supply

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1. This product shall be operated from the type of electrical supply indicated on the product's data plate label. If you are not sure that your electrical supply meets the requirements, please consult a licensed electrician for advice.
2. **WARNING:** This equipment must be connected to a protective earth circuit. This equipment is supplied with a plug that has a protective earth pin. This plug will only fit into an earthed electrical outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact a licensed electrician to replace the outlet.
3. Always connect equipment to a correctly grounded power outlet. If in doubt, have the outlet checked by a qualified electrician.

## Disconnect Device

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The power cable is the disconnect device for this equipment. It is attached to the back of the machine as a plug-in device. To remove all electrical power from the equipment, disconnect the power cable from the electrical outlet.

## Emergency Power Off

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If any of the following conditions occur, turn off the machine immediately and **disconnect the power cable(s) from the electrical outlet(s)**. Contact an authorized Xerox Service Representative to correct the problem:

- The equipment emits unusual odors or makes unusual noises.
- The power cable is damaged or frayed.
- A wall panel circuit breaker, fuse, or other safety device has been tripped.
- Liquid is spilled into the machine.
- The machine is exposed to water.
- Any part of the machine is damaged

## Laser Safety Information

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**CAUTION: Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous light exposure.**

With specific regard to laser safety, the equipment complies with performance standards for laser products set by government, national and international agencies as a Class 1 laser product. It does not emit hazardous light, as the beam is totally enclosed during all phases of customer operation and maintenance.

## Operational Safety Information

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To ensure the continued safe operation of your Xerox equipment, follow these safety guidelines at all times.

### Do These:

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- Always connect equipment to a correctly grounded power outlet. If in doubt, have the outlet checked by a qualified electrician.
- This equipment must be connected to a protective earth circuit.  
This equipment is supplied with a plug that has a protective earth pin. This plug will fit only into an earthed electrical outlet. This is a safety feature. To avoid risk of electric shock, contact your electrician to replace the electrical outlet if you are unable to insert the plug into it. Never use a plug that lacks an earth connection terminal to connect the product to an electrical outlet.
- Always follow all warnings and instructions that are marked on or supplied with the equipment.
- Always locate the equipment in an area that has adequate ventilation, and space for servicing. See installation instructions for minimum dimensions.
- Always use materials and supplies specifically designed for your Xerox equipment. Use of unsuitable materials may result in poor performance.
- Always unplug this equipment from the electrical outlet before cleaning.

## **Do Not Do These:**

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- Never use a plug that lacks an earth connection terminal to connect the product to an electrical outlet.
- Never attempt any maintenance procedures that are not specifically described in the customer documentation.
- This equipment should not be placed in a built-in unit unless proper ventilation is provided. Please contact your authorized local dealer for further information.
- Never remove covers or guards that are fastened with screws. There are no operator serviceable areas within these covers.
- Never locate the equipment near a radiator or any other heat source.
- Never push objects of any kind into the ventilation openings.
- Never override or “cheat” any of the electrical or mechanical interlock devices.
- Never operate the equipment if you notice unusual noises or odors. Disconnect the power cord from the electrical outlet and contact your local Xerox Service Representative or Service Provider immediately.

## **Maintenance Information**

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Do not attempt any maintenance procedures that are not specifically described in the customer documentation supplied with your machine.

- Do not use aerosol cleaners. The use of cleaners that are not approved may cause poor performance of the equipment, and could create a dangerous condition.
- Use supplies and cleaning materials only as directed in the customer documentation. Keep all these materials out of the reach of children.
- Do not remove covers or guards that are fastened with screws. There are no parts behind these covers that you can maintain or service.
- Do not perform any maintenance procedures unless you have been trained to do them by an authorized local dealer or unless a procedure is specifically described in the user manuals.

## **Ozone Safety Information**

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This product will produce ozone during normal operation. The ozone produced is heavier than air and is dependent on copy volume. Adhering to the correct environmental conditions as specified in the installation instructions will ensure that the concentration levels meet safe limits.

If you need additional information about ozone, please request the Xerox publication Ozone by calling 1-800-828-6571 in the United States and Canada. In other markets please contact your Service Provider.

## Consumables Information

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- Store all consumables in accordance with the instructions given on the package or container.
- Keep all consumables away from the reach of children.
- Never throw toner, print cartridges or toner containers into an open flame.
- Cartridges: When handling cartridges, for example ink, fuser, etc, avoid skin or eye contact. Eye contact can cause irritation and inflammation. Do not attempt to disassemble the cartridge. This can increase the risk of skin or eye contact.

## Radio Frequency Emissions

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### United States, Canada, Europe, Australia/New Zealand

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**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Changes or modifications to this equipment not specifically approved by the Xerox Corporation may void the user's authority to operate this equipment.

Shielded cables must be used with this equipment to maintain compliance with FCC regulations.

## Product Safety Certification

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This product is certified by the following Agency using the Safety standards listed.

<u>Agency</u>	<u>Standard</u>
Underwriters Laboratories Inc.	UL60950-1 1st (2003) (USA/Canada)
Intertek ETL Semko	IEC60950-1 Edition 1 (2001)

This product was manufactured under a registered ISO9001 Quality system.

# Regulatory Information

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## CE Mark

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The CE mark applied to this product, symbolizes XEROX's declaration of conformity with the following applicable European Union Directives, as of the dates indicated:

**December 12, 2006:** Council Directive 2006/95/EC as amended. Approximation of the laws of the member states related to low voltage equipment.

**December 15, 2004:** Council Directive 2004/108/EC as amended. Approximation of the laws of the member states related to electromagnetic compatibility.

**March 9, 1999:** Council Directive 99/5/EC, on radio equipment and telecommunications terminal equipment and the mutual recognition of the conformity.

A full declaration of conformity, defining the relevant directives and referenced standards, can be obtained from your XEROX Limited representative.

## EUROPE

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### Certification to 1999/5/EC Radio Equipment & Telecommunications Terminal Equipment Directive

This Xerox product has been self-certified by Xerox for pan-European single terminal connection to the analogue public switched telephone network (PSTN) in accordance with Directive 1999/5/EC. The product has been designed to work with the national PSTNs and compatible PBXs of the following countries:

Austria	Germany	Luxembourg	Sweden
Belgium	Greece	Netherlands	Switzerland
Denmark	Iceland	Norway	United Kingdom
France	Ireland	Portugal	Finland
Italy	Spain	Czech Republic	Poland
Bulgaria	Romania	Hungary	

In the event of a problem you should contact your local Xerox representative in the first instance.

This product has been tested to and is compliant with TBR21, a technical specification for terminal equipment for use on analogue-switched telephone networks in the European Economic Area.

The product may be configured to be compatible with other country networks. Please contact your Xerox representative if it needs to be reconnected to another country's network.

- Note**
- Although this product can use either loop disconnect (pulse) or DTMF (tone) signaling, it is recommended that it is set to use DTMF signaling. DTMF signaling provides reliable and faster call setup.

Modification, connection to external control software or to external control apparatus not authorized by Xerox, will invalidate its certification.

# Environmental Compliance

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## USA

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### ENERGY STAR

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As an ENERGY STAR® partner, Xerox Corporation has determined that the basic configuration of this product meets the ENERGY STAR guidelines for energy efficiency.

The ENERGY STAR and ENERGY STAR MARK are registered United States trademarks.

The ENERGY STAR Office Equipment Program is a team effort between U.S., European Union and Japanese governments and the office equipment industry to promote energy-efficient copiers, printers, fax, multifunction machine, personal computers, and monitors. Reducing product energy consumption helps combat smog, acid rain and long-term changes to the climate by decreasing the emissions that result from generating electricity.

Xerox ENERGY STAR equipment is preset at the factory. Your machine will be delivered with the timer for switching to Power Save Mode from the last copy/print out, set at 5 minutes. A more detailed description of this feature can be found in the Machine Setup Section of this guide.



# Product Recycling and Disposal

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Xerox operates a worldwide equipment take back and reuse/recycle program. Contact your Xerox sales representative (1-800-ASK-XEROX) to determine whether this Xerox product is part of the program. For more information about Xerox environmental programs, visit <http://www.xerox.com/environment>.

If you are managing the disposal of your Xerox product, please note that the product contains lamp(s) with mercury, and may contain lead, Perchlorate and other materials whose disposal may be regulated due to environmental considerations. The presence of these materials is fully consistent with global regulations applicable at the time that the product was placed on the market. For recycling and disposal information, contact your local authorities. In the United States, you may also refer to the Electronic Industries Alliance web site: <http://www.eiae.org/>.



**WARNING: Perchlorate Material** - This product may contain one or more Perchlorate-containing devices, such as batteries. Special handling may apply, please see <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>

## Domestic/Household Environment



Application of this symbol on your equipment is confirmation that you should not dispose of the equipment in the normal household waste stream. In accordance with European legislation, end of life electrical and electronic equipment subject to disposal must be segregated from household waste.

Private households within EU member states may return used electrical and electronic equipment to designated collection facilities free of charge. Please contact your local disposal authority for information.

In some member states, when you purchase new equipment, your local retailer may be required to take back your old equipment free of charge. Please ask your retailer for information.

Prior to disposal, please contact your local dealer or Xerox representative for end of life takeback information.

## Professional/Business Environment



Application of this symbol on your equipment is confirmation that you must dispose of this equipment in compliance with agreed national procedures. In accordance with European legislation, end of life electrical and electronic equipment subject to disposal must be managed within agreed procedures.

# Illegal Copies

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Copying certain documents may be illegal in your country. Penalties of fine or imprisonment may be imposed on those found guilty of making such reproductions.

- Currency notes
- Bank notes and cheques
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

This list is not inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.

# 1 Printer Environment Settings

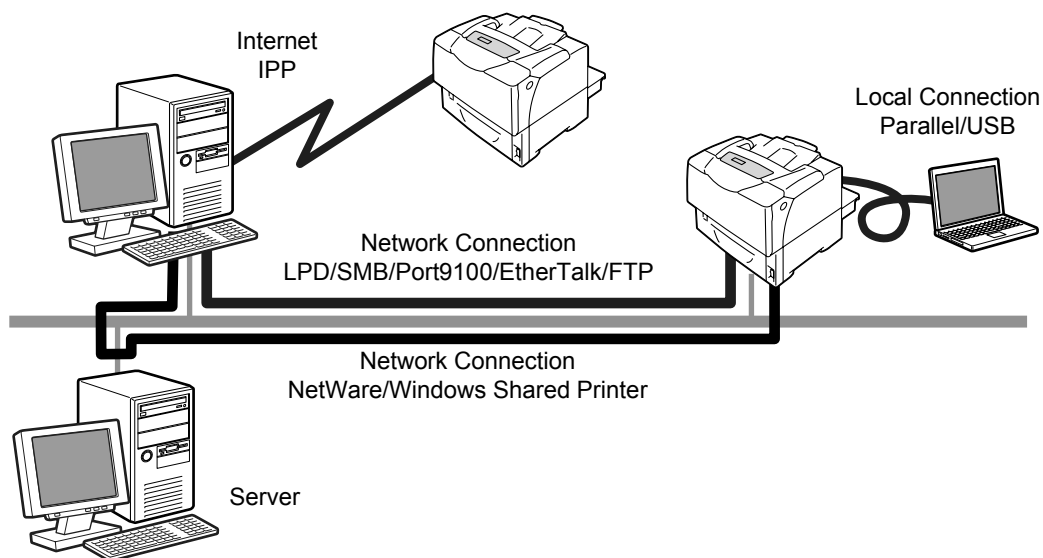
When you are finished installing your printer using the 'Setup Guide', go on to set up its operating environment.

## 1.1 Supported Operating Environments

---

The printer can be used both as a local and a network printer. When used as a local printer, the printer is connected directly to a computer. When used as a network printer, the printer is connected to a computer over a network.

Set all ports you want to use to [Enable] on the control panel.



### ■ Using the Printer as a Local Printer

When using the printer as a local printer, the printer and a computer can be connected using the following methods:

- Parallel connection : Connecting the printer and a computer using a parallel cable. (default: [Enable])
- USB connection : Connecting the printer and a computer using a USB cable. (default: [Enable])

### ■ Using the Printer as a Network Printer

When using the printer as a network printer, the printer can be set up in the following environments:

- LPD : Used when using TCP/IP protocol to enable direct communication between the printer and a computer. (default: [Enable])
- Port9100 : Used when using a Port9100 port. (default: [Enable])
- FTP : Used when printing using an FTP service. (default: [Enable])

When the network expansion card (optional) is installed, the printer can be set up also in the following environments:

- NetWare® : Used when sharing and managing the printer using a NetWare server.  
(default: [Enable])
- SMB : Used when printing using a Windows® network.  
(default: [Enable])
- IPP : Used when printing via the Internet.  
(default: [Enable])
- EtherTalk® : Used when printing from Macintosh®.  
(default: [Enable])

## ■ Supported Operating Systems and Operating Environments

### Note

- The supported operating systems are subject to change without prior notice. Visit our web site for the latest information.

Connection Method	Local		Network								
Port Name	Parallel	USB <sup>*2</sup>	LPD	NetWare <sup>*1</sup>		SMB <sup>*1</sup>		IPP <sup>*1</sup>	Port 9100	EtherTalk <sup>*1</sup>	FTP
Protocol	-	-	TCP/IP	TCP/IP	IPX/SPX	NetBEUI	TCP/IP	TCP/IP	TCP/IP	AppleTalk	TCP/IP
Windows NT <sup>®</sup> 4.0	○		○	○	○	○	○				○
Windows <sup>®</sup> 2000	○	○	○	○	○	○	○	○	○		○
Windows <sup>®</sup> XP	○	○	○	○	○		○	○	○		○
Windows Server <sup>®</sup> 2003	○	○	○	○	○		○	○	○		○
Windows <sup>®</sup> Vista	○	○	○	○	○		○	○	○		○
Mac OS X 10.2.8/ 10.3.9/10.4 <sup>*3</sup>		○	○					○ <sup>*4</sup>		○	

\*1: The network expansion card (optional) must be installed.

\*2: USB port must be set on the computer connected to the printer.

\*3: On Mac OS 10.3.9 or later, printing can be performed using the printer driver for Macintosh. The printer driver for Macintosh is available on the Software CD-ROM or can be downloaded from the Xerox web site. When using the printer driver for Macintosh, additional memory of 256 MB or above is recommended.

\*4: Supported on Mac OS X 10.3.9 or later.

### Note

- For information on how to print from Macintosh computers other than the above, contact our Customer Support Center or your dealer.

## 1.2 Connecting a Cable

---

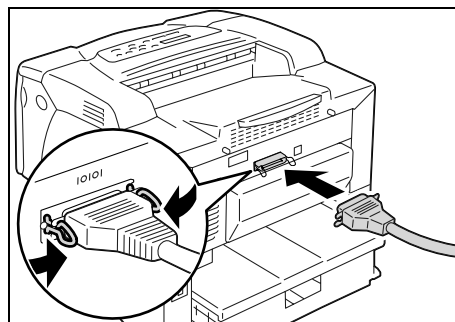
Connect the printer to your computer using an interface cable appropriate for your connection method.

An interface cable is not included with the printer. You must purchase it separately.

### Parallel Connection

---

1. Switch the printer off.



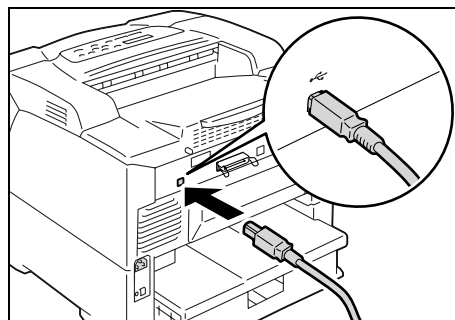
2. Plug the parallel cable into the interface connector on the printer.  
Secure the parallel cable into the connector using the clips on both sides of the connector.
3. Plug the other end of the parallel cable into your computer.
4. Switch the printer on.

### USB Connection

---

When using USB connection, install a print driver on your computer before connecting the cable. For installation instructions, refer to "1.6 Installing a Print Driver" (P. 16) or the Documentation CD-ROM.

1. Switch the printer off.



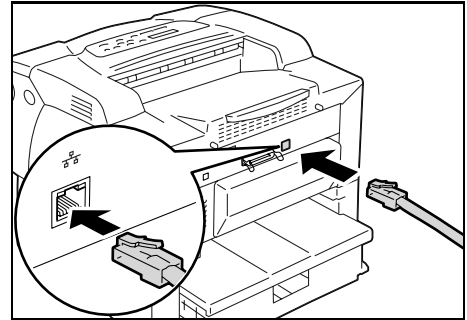
2. Plug the USB cable into the interface connector on the printer.
3. Plug the other end of the USB cable into your computer.
4. Switch the printer on.

## Network Connection

---

Use a straight-type network cable that supports 100BASE-TX or 10BASE-T.

1. Switch the printer off.



2. Plug the network cable into the interface connector on the printer.
3. Plug the other end of the network cable into a network device such as a hub.
4. Switch the printer on.

## 1.3 Setting the Network Environment

This section explains how to install your printer in a TCP/IP environment.

When installing the printer in a different environment, refer to the Documentaton CD-ROM.

### Setting the IP Address

To use TCP/IP protocol, you must configure an IP address for the printer.

By default, the printer is set to obtain its IP address (via the [Get IP Address] setting on the control panel) using [DHCP/Autonet]. Thus, when the printer is connected to a network that has a DHCP server, the printer automatically obtains its IP address from the server.

Print the [Printer Settings] list to see if the printer already has an IP address.

If the printer does not have an IP address, set [Get IP Address] to [Panel] and configure the address.

Network	
Firmware Version	94.06
MAC Address	08:00:37:50:08:29
Ethernet Settings	Auto
TCP/IP	
Get IP Address	DHCP/Autonet
IP Address	192.168.1.100
Subnet Mask Address	255.255.255.0
Gateway Address	192.168.1.254
Status	Ready

If an IP address is listed, skip the following procedure.

If an IP address is not listed, or if you want to change the current IP address, configure the setting using the following procedure.

#### Note

- For information on how to print the [Printer Settings] list, refer to "7.2 Printing Reports / Lists" (P. 145).
- The printer can obtain its IP address also by using a BOOTP or RARP server. If using a BOOTP or RARP server, set [Get IP Address] to [BOOTP] or [RARP].
- If using a DHCP server, the printer's IP address may change without notice. Make sure to check the IP address periodically.
- To use DHCP in a WINS (Windows Internet Name Service) environment, the network expansion card (optional) must be installed.


Use the following procedure to configure the printer's IP address on the control panel.

Depending on your network environment, your printer also needs a subnet mask and gateway address. Consult your network administrator for the settings required for your printer.

#### ■ To Set the IP Address

Menu  
Print Language



1. Press the  <Menu> button on the control panel to display the menu screen.

Menu  
Admin Menu



2. Press the <▼> button until [Admin Menu] is displayed.



**Note**


- If you went past the desired item, return to the item by pressing the <▲> button.

Admin Menu  
Network / Port



3. Press the <▶> button to accept the selection.  
[Network/Port] is displayed.

**Note**

- If you pressed the <▶> button on the wrong item, return to the previous screen by pressing the <◀> button.
- To start over from the beginning, press the  <Menu> button.

Network / Port  
Parallel



4. Press the <▶> button to accept the selection.  
[Parallel] is displayed.

Network / Port  
TCP/IP



5. Press the <▼> button until [TCP/IP] is displayed.

TCP/IP  
Get IP Address



6. Press the <▶> button to accept the selection.  
[Get IP Address] is displayed.

Get IP Address  
DHCP/Autonet\*



7. Press the <▶> button to accept the selection.  
The current setting is displayed.

Get IP Address  
Panel



8. Press the <▼> button until [Panel] is displayed.

Get IP Address  
Panel \*



9. Confirm your selection by pressing the  $\text{OK}/\triangle$  <OK/Eject> button.  
The display shows [Reboot to apply settings] for 3 seconds and returns to the setting screen.  
You will reboot the printer after setting the gateway address. Go on to the next step.

TCP/IP  
Get IP Address



10. Press the <◀> button to return to [Get IP Address].

TCP/IP  
IP Address



11. Press the <▼> button to display [IP Address].

IP Address  
000.000.000.000\*



12. Press the <▶> button to accept the selection.  
The current IP address is displayed.

IP Address  
192.000.000.000



13. Enter the value in the first field using the <▲> or <▼> button, and press the <▶> button.

**Note**

- If you do not need to change the setting, press the <▶> button to advance to the next field.
- Pressing and holding down the <▲> or <▼> button increments the value by 10.
- To return to the previous field, press the <◀> button.


IP Address  
192.168.001.100\*

14. Enter the rest of the fields in the same manner. After entering the last (4th) field, press the  $\text{OK}/\triangle$  <OK/Eject> button to confirm your entry.

15. If you want to set a subnet mask and gateway address, press the <◀> button and proceed to Step 16.  
If you want to finish the setting, proceed to Step 23.


## ■ To Set the Subnet Mask/Gateway Address

TCP/IP  
Subnet Mask




16. Press the <▼> button until [Subnet Mask] is displayed.

Subnet Mask  
000.000.000.000\*




17. Press the <▶> button to accept the selection.  
The current subnet mask is displayed.

Subnet Mask  
255.255.255.000\*




18. Enter the subnet mask in the same way you entered the IP address, and press the  $\text{OK}/\triangle$  <OK/Eject> button to confirm your entry.

TCP/IP  
Subnet Mask




19. Press the <◀> button to return to [Subnet Mask].

TCP/IP  
Gateway Address



20. Press the <▼> button to display [Gateway Address].

Gateway Address  
000.000.000.000\*



21. Press the <▶> button to accept the selection.  
The current gateway address is displayed.

Gateway Address  
192.168.001.254\*

22. Enter the gateway address in the same way you entered the IP address, and press the  $\text{OK}/\triangle$  <OK/Eject> button to confirm your entry.

23. The setting is now complete.  
Reboot the printer by switching the power off and then on again.

24. Print the [Printer Settings] list to verify your settings.


## 1.4 Enabling Ports

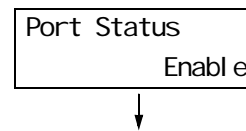
---

Set all ports you want to use to [Enable] on the control panel.

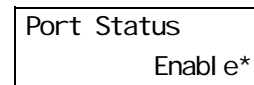
Use the following procedure to enable each port.

The following procedure uses IPP as an example.

- 
- ```
graph TD; A["Menu  
Print Language"] --> B["Menu  
Admin Menu"]; B --> C["Admin Menu  
Network / Port"]; C --> D["Network / Port  
Parallel"]; D --> E["Network / Port  
IPP"]; E --> F["IPP  
Port Status"]; F --> G["Port Status  
Disable*"];
```
1. Press the  <Menu> button on the control panel to display the menu screen.
  2. Press the <▼> button until [Admin Menu] is displayed.
  3. Press the <▶> button to accept the selection. [Network/Port] is displayed.
  4. Press the <▶> button to accept the selection. [Parallel] is displayed.
  5. Press the <▼> button until the desired protocol is displayed. (Example: IPP).
  6. Press the <▶> button to select the protocol. [Port Status] is displayed.
  7. Press the <▶> button to accept the selection. The current setting is displayed.



8. Press the <▼> button to display [Enable].



9. Press the  $\text{OK} / \triangle$  <OK/Eject> button to confirm the selection.  
The display shows [Reboot to apply settings] for 3 seconds and returns to the setting screen.
10. The setting is now complete.  
Reboot the printer by switching the power off and then on again.

# 1.5 Configuring the Printer Using CentreWare Internet Services

---

## Overview of CentreWare Internet Services

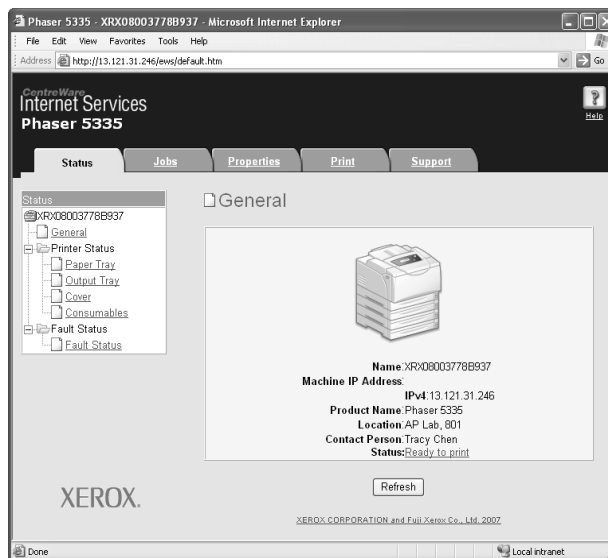
---

CentreWare Internet Services is a service that allows you to monitor or remotely configure the printer using a web browser when the printer is on a TCP/IP network.

Some of the control panel settings can be set also on the service's [Properties] tab.

### Note

- CentreWare Internet Services cannot be used when your printer is a local printer.



## Supported Operating Environments

---

### ■ Supported Web Browsers

CentreWare Internet Services has been tested to work on the following web browsers.

#### On Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista

- Microsoft® Internet Explorer 6.0
- Mozilla Firefox 1.5

#### On Mac OS X 10.4

- Mozilla Firefox 1.5
- Safari 2.x

## ■ Setting Up a Web Browser

When accessing CentreWare Internet Services, we recommend you set your web browser as follows:

- not to use a proxy server when specifying the printer's IP address.
- to enable JavaScript.

### **Note**

- If you access CentreWare Internet Services using a proxy server, the response from the service may be slow or the window of the service may not display.
- Some buttons on the service do not appear when JavaScript is not running or disabled. In such case, the buttons are displayed as URL links.
- For information on how to set up your web browser, refer to the online help for the web browser.

If you want to change the display language of CentreWare Internet Services, change the display language of your web browser.

### **Note**

- For information on how to change the display language of your web browser, refer to the online help for the web browser.

## ■ Setting Up the Printer

To use CentreWare Internet Services, you must configure the printer's IP address and enable [InternetServices] (default: [Enable]). When [InternetServices] is set to [Disable], change it to [Enable] on the control panel.

### **Refer to**

- "[Internet Services]" (P. 90)
- "1.4 Enabling Ports" (P. 10)

## CentreWare Internet Services Setting Items

The followings are the main features on each tab of CentreWare Internet Services.

| Tab Name   | Feature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status     | <ul style="list-style-type: none"> <li>• General<br/>Displays the printer's product name, IP address, and status.</li> <li>• Printer Status<br/>Displays the sizes and remaining volumes of the paper loaded in the paper trays, the status of the output tray, and the remaining life of the print cartridge.</li> <li>• Fault Status<br/>Displays the status of the control panel and error information (error location and details).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Jobs       | <ul style="list-style-type: none"> <li>• Displays the job status list and job history list.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Properties | <ul style="list-style-type: none"> <li>• Description<br/>Displays the printer's product name and serial number. It also sets the printer's name*, installation location*, contact person*, and administrator's e-mail address*.</li> <li>• Configuration<br/>Displays the specifications of the print features, page description languages, and memory information.</li> <li>• Usage Counters<br/>Displays the total number of pages printed to date.</li> <li>• Initialization<br/>Initializes the NV memory or reboots the printer.</li> <li>• Security*<br/>Creates/manages/deletes self-signed certificates and enables SSL/TLS communication.<br/>This item appears only when the network expansion card (optional) is installed.</li> <li>• StatusMessenger*<br/>The printer can notify its status via e-mail to users who have been registered through this feature. You can set the e-mail addresses of the users and the items or events that the users will be notified of.</li> <li>• Internet Services Settings*<br/>Sets whether or not to automatically update the window of CentreWare Internet Services and the interval at which the window is updated (in seconds). This also enables or disables the Administrator Mode and sets the administrator's ID and password, if the Administrator Mode is enabled.<br/>The default system administrator ID and password are "11111" and "x-admin", respectively. Make sure to change the password before using the Administrator Mode.</li> <li>• Port Status<br/>Enables or disables each port.</li> <li>• Port Settings<br/>Sets the settings for Ethernet.</li> <li>• Protocol Settings*<br/>Sets the details of each protocol.</li> </ul> |
| Print      | <ul style="list-style-type: none"> <li>• Print Auditor*<br/>This feature allows you to control user access to the printer. If enabling this feature, register users who are granted access to the printer.</li> <li>• Logical Printer Settings*<br/>Sets PostScript and ESC/P logical printers.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Support    | <ul style="list-style-type: none"> <li>• Displays a link to customer support.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

\* These items can be configured only on CentreWare Internet Services and not on the control panel.



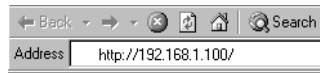
## Using CentreWare Internet Services

---

Follow these steps when accessing CentreWare Internet Services.

1. Start your computer and launch a web browser.
2. In the URL field, enter the IP address or URL of the printer, and press the <Enter> key. The top page of CentreWare Internet Services is displayed.

• Example - IP address



• Example - URL



### Note

- When specifying a port number, enter a ":" (colon) and then "80" (the factory default port number) after the address. To find out the printer's port number, print the [Printer Settings] list from the printer.
- The port number can be changed under the [Properties] tab > [Protocol Settings] > [HTTP]. If you change the port number, you must enter a ":" (colon) and then the port number after the address.

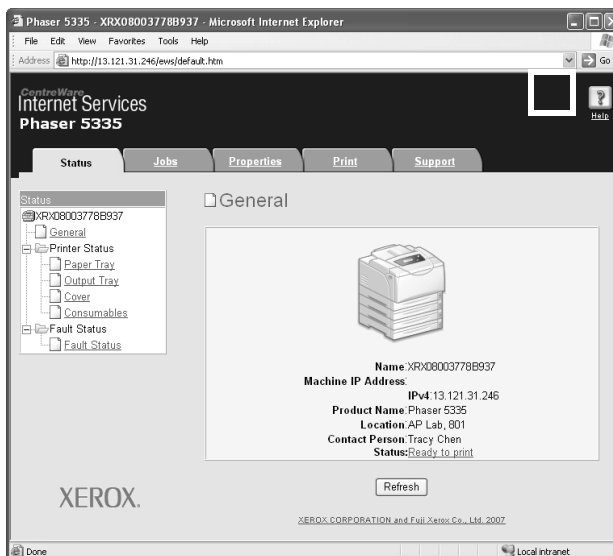


- When SSL/TLS server communication is enabled, enter "https" before the address instead of "http".
- For information about the Authentication/Auditron Administration and data encryption features, refer to "7.6 Security Features" (P. 153) and "7.8 Authentication and Auditron Administration Features" (P. 162).

## Using the Online Help

---

For details on each setting item, refer to the online help for CentreWare Internet Services. You can browse the online help by clicking the [Help] button on the service.



## 1.6 Installing a Print Driver

---

To print from your computer, install a print driver. Drivers are available for:

- **Windows:**

PCL (use the Software CD-ROM )

PostScript (use the “Installing a Windows PostScript Driver” installation instructions below.)

- **Macintosh:**

PostScript (use the Windows installation instructions in the ‘Printing Guide.’)

- **Linux:**

PostScript (use the Windows installation instructions in the ‘Printing Guide.’)

The installation procedure varies depending on how your computer is connected to the printer and the operating system installed on your computer.

For installation instructions, refer to the Documentation CD-ROM.

- Refer to the Documentation CD-ROM for instructions when installing other software.

### Installing a Windows PostScript Driver

---

There are two CD-ROMs delivered with your printer:

- Software CD-ROM - This CD-ROM contains all the print drivers available for the printer.
- Documentation CD-ROM - This CD-ROM contains all the documentation for the printer.

#### About the Software

---

This section describes the software for Windows NT 4.0, 2000, Windows XP, Windows Server 2003, and Windows Vista included on the Software CD-ROM.

#### Included Software

---

The following items are included on the Software CD-ROM and are required to print PostScript documents from Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista.

- **PPD files and print driver** - The PPD files and PostScript print driver (which has added Xerox unique features to Microsoft PScript 5.0) for Windows NT 4.0, 2000, Windows XP, Windows Server 2003, and Windows Vista.
- **Readme.txt** - Describes the precautions that must be followed when using the print driver. Be sure to read this before using the print driver.

#### Hardware/Software Requirements

---

The system requirements for the print driver for Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista are as follows:

#### Computer System

---

Personal computer on which the Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista is installed.

## Installing the Print Driver

---

This section describes how to install the print driver on Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista.

To cancel the installation, click [Cancel] in a dialog box displayed during the installation. To cancel the settings in a dialog box and return to the previous dialog box, click [Back].

## Installation Procedure

---

1. Start Windows.

### Note

When installing the print driver, you must log on as a Power User group member or as an administrator. Refer to the Windows documentation for information about the Power User group.

**Windows Vista:** You must have sufficient user rights when installing the print driver in Windows Vista. See your administrator if you cannot install the driver.

2. Using the appropriate path for your operating system, perform one of the following:
  - Windows NT 4.0, 2000 - Start > Settings > Printers
  - Windows XP / Windows Server 2003 - Start > Printers and Faxes
  - Windows Vista - Start button > Settings > Control Panel > Hardware and Sound > Printers
3. In the [Printers and Faxes] or [Printers] window, double-click [Add Printer] or [Install a Printer].
4. The [Welcome to the Add Printer Wizard] appears. Click [Next].
5. The [Add Printer Wizard / Local or Network Printer] window appears. If the printer is directly connected to your computer or over a network in a TCP/IP (LPD) environment, select [Local printer attached to this computer]. Otherwise, select [A network printer, or a printer attached to another computer]. After selecting the connection method, click [Next]. In this example, we will select [Local printer attached to this computer].

### Note

When [Local printer attached to this computer] is selected, clear the [Automatically detect and install my Plug and Play printer] check box. When [A network printer, or a printer attached to another computer] is selected, specify the printer in the [Connect to printer] dialog box.

6. The [Add Printer Wizard / Select a Printer Port] window appears. Select the port you want to use and click [Next].

When the printer is installed in a TCP/IP(LPD) environment:

  - a. Click [Create a new port].
  - b. The [Welcome to the Add Standard TCP/IP Printer Port Wizard] window appears. Select [Standard TCP/IP Port] from the [Type of port] list and click [Next].
  - c. Click [Next].
  - d. The [Add Port] window appears. Enter the IP address of the printer in [Printer Name or IP Address] and click [Next].
  - e. Click [Finish] in the displayed dialog box.
6. Insert the Software CD-ROM into your CD-ROM drive.
7. From the [Add Printer Wizard] window, click [Have Disk].

8. The [Install from Disk] window appears. In the [Copy manufacturer's files from:] box, enter the drive in which the CD-ROM is located (example: "E:"). After the drive name, enter "\Eng\PS\Win2000\_XP and click [OK].

**Note**

You can also browse the folder by clicking [Browse].

If the location of the files to install the driver cannot be found, check the ReadMe file for any changes to driver locations on the CD.

9. The [Install Printer Software] window appears. From [Printers], select the model of your printer and click [Next].
10. The [Name Your Printer] window appears. Type a name for your printer, specify whether to use the printer as the default printer, and click [Next].
11. The [Printer Sharing] window appears. Select [Do not share this printer] and click [Next].
12. The [Print Test Page] window appears. Specify whether to print a test page and click [Next].
13. The [Completing the Add Printer Wizard] appears. Click [Finish].
14. The installation begins.

**Note**

**Windows XP:** If the message "The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP" is displayed, click [Continue Anyway] to continue the installation.

**Windows Vista:** If the "User Account Control" dialog appears, click "Continue." If you do not have sufficient rights to install the print driver, you will be asked for a username and password. The message "Windows can't verify the publisher of this driver software" will appear. Select "Install this driver software anyway" and continue the installation

15. Once the installation is complete, check if the printer is added to the [Printers] or [Printers and Faxes] window.

This completes the installation of the PostScript print driver. Remove the CD-ROM from the CD-ROM drive.

To configure the print driver, in the 'Printing Guide,' see "*Configuring the Print Driver*".

Store the CD-ROM in a safe place.

## **Uninstalling a Print Driver and Other Software**

---

### **■ To Uninstall a Print Driver**

Your PCL print driver can be uninstalled using the uninstallation tool contained on the CD-ROM. For more information, refer to the Documentaton CD-ROM.

To remove a PostScript, Macintosh, or Linux print driver, see the uninstallation information in the 'Printing Guide.'

### **■ To Uninstall Other Software**

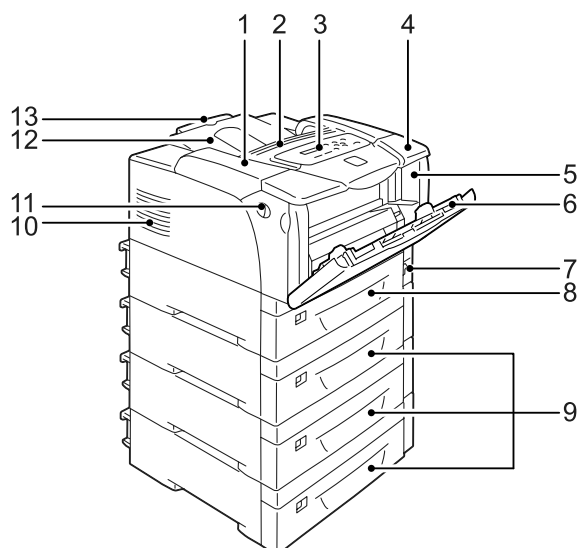
When uninstalling other software installed from the Software CD-ROM, refer to the "Readme" file provided for each software. The "Readme" files can be viewed from the Documentaton CD-ROM.

## 2 Basic Operation

### 2.1 Main Components and Functions

#### Main Unit

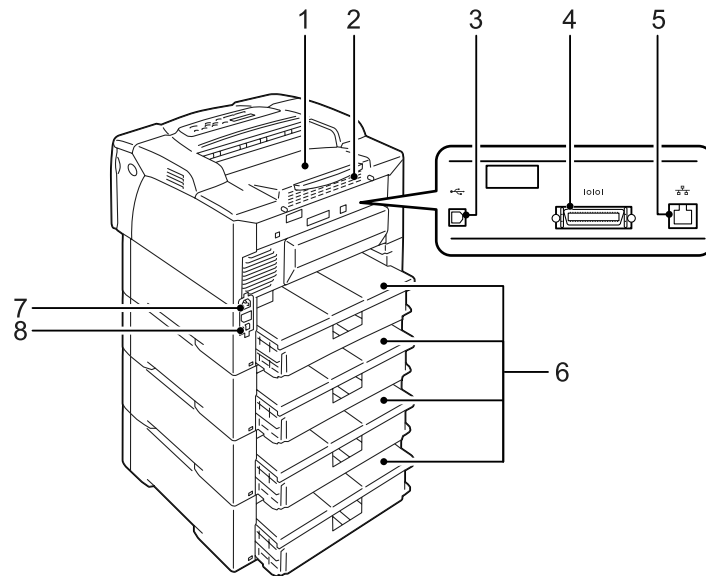
Front/Left View

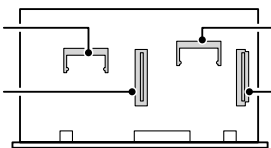


| No. | Name                                          | Description                                                                                                                                                                                                                                                                                                      |
|-----|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Top cover                                     | Opened when replacing the print cartridge or clearing paper jams.                                                                                                                                                                                                                                                |
| 2   | Ventilation hole                              | Releases heat to prevent the interior of the printer from overheating.<br><br><b>Important</b> <ul style="list-style-type: none"><li>Do not place any objects on the ventilation hole. Blocking the ventilation hole causes heat build-up in the printer, which causes the printer to malfunction.</li></ul>     |
| 3   | Control panel                                 | Consists of the control buttons, indicator lamps, and a display. For details, refer to "Control Panel" (P. 22).                                                                                                                                                                                                  |
| 4   | Upper cover                                   | Opened when installing the duplex unit (optional) or cleaning the feed rolls.                                                                                                                                                                                                                                    |
| 5   | Front cover                                   | Opened when replacing the print cartridge or clearing paper jams.                                                                                                                                                                                                                                                |
| 6   | Tray 1 (Bypass tray)                          | Load paper here when printing using Tray 1. This tray can accommodate plain paper and special media such as postcards and envelopes. It can be extended in two stages as necessary.                                                                                                                              |
| 7   | Power switch                                  | Switches the printer on/off. Pressing this to the < > position switches the power on, and pressing it to the <O> position switches the power off.                                                                                                                                                                |
| 8   | Tray 2                                        | Load paper here. This is the standard paper tray.                                                                                                                                                                                                                                                                |
| 9   | Trays 3, 4 & 5<br>550 sheet feeder (optional) | Load paper here when the optional 550 sheet feeder (hereinafter referred to as "sheet feeder") is installed. The above illustration shows the printer with three sheet feeders (optional).<br><br><b>Note</b> <ul style="list-style-type: none"><li>Trays 3, 4, and 5 can be added to the Phaser 5335.</li></ul> |
| 10  | Ventilation hole                              | Releases heat to prevent the interior of the printer from overheating.                                                                                                                                                                                                                                           |

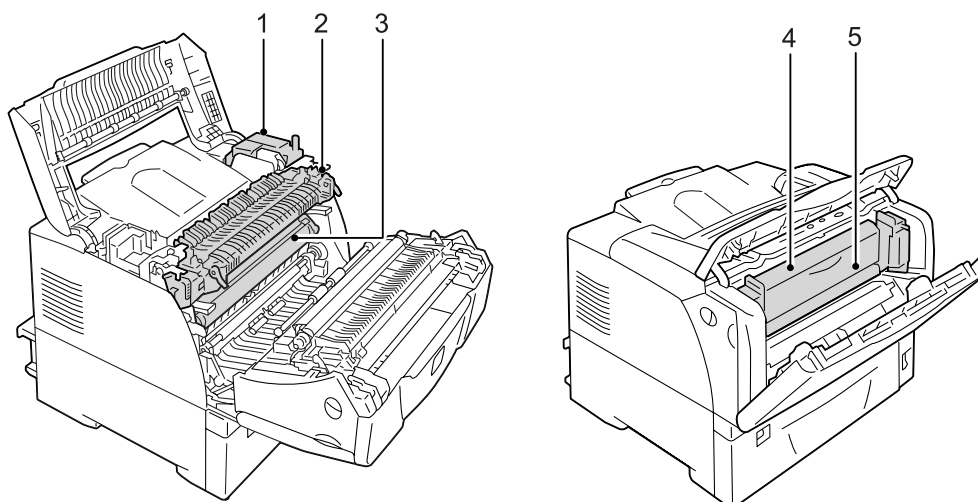
| No. | Name                      | Description                                                                                           |
|-----|---------------------------|-------------------------------------------------------------------------------------------------------|
| 11  | Front cover release lever | Pulled towards you to open the front cover when replacing the print cartridge or clearing paper jams. |
| 12  | Output tray               | Delivers printed output face down.                                                                    |
| 13  | Extension output tray     | Extended to prevent output from falling off the output tray.                                          |

### Right/Rear View



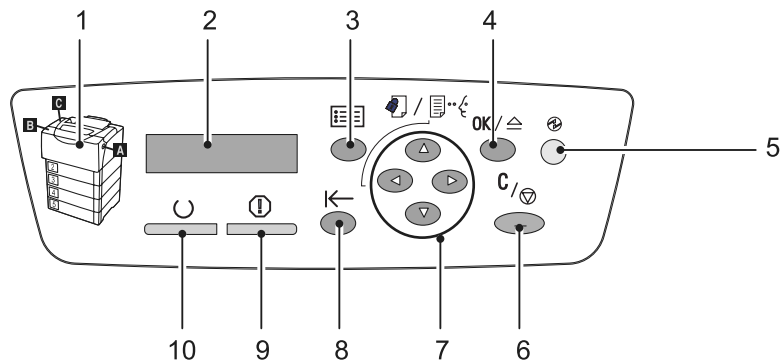
| No. | Name                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Rear cover           | <p>Removed when installing the optional hard disk, memory card, or ROM.</p> <p>Controller board with the rear cover and metal plate cover open</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> <p>Slot for memory card</p> <p>Connector for network expansion card</p> </div>  <div style="margin-left: 10px;"> <p>Slot for PostScript ROM</p> <p>Connector for hard disk</p> </div> </div> |
| 2   | Ventilation hole     | <p>Releases heat to prevent the interior of the printer from overheating.</p> <p><b>Important</b></p> <ul style="list-style-type: none"> <li>Blocking the ventilation hole causes heat build-up in the printer, which causes the printer to malfunction.</li> </ul>                                                                                                                                                                                                                                                     |
| 3   | USB connector        | Connects a USB cable to the printer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4   | Parallel connector   | Connects a parallel cable to the printer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 5   | Network connector    | Connects a network cable to the printer. A network cable is used when connecting the printer to a network.                                                                                                                                                                                                                                                                                                                                                                                                              |
| 6   | Tray covers          | The rear covers for the paper trays.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 7   | Power cord connector | Connects a power cord to the printer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 8   | Circuit breaker      | Cuts off the power circuit automatically in the event of current leakage.                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Interior





| No. | Name                        | Description                                                                                                                                                                                        |
|-----|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Duplex unit (Duplex unit B) | The unit that contains the duplex unit (optional). When the duplex unit is installed, 2-sided printing can be performed.                                                                           |
| 2   | Fuser unit                  | Fuses toner onto paper by means of heat and pressure.<br><br><b>Important</b><br>• Do not touch the fuser unit while the printer is in operation. The fuser unit becomes very hot during printing. |
| 3   | Print cartridge             | A cartridge that integrates toner, a photoconductor (drum), and a development unit. Replaced when output becomes light or print quality becomes poor.                                              |
| 4   | Duplex unit (Duplex unit A) | The unit that composes the duplex unit (optional).                                                                                                                                                 |
| 5   | Inner cover                 | The cover of the duplex unit. Opened when clearing paper jams.                                                                                                                                     |

## Control Panel



| No. | Icon                                 | Name                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|--------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   |                                      | Indicator                    | In the event of an error, use this mimic to verify the location of the problem indicated in an error message displayed on the LCD display.                                                                                                                                                                                                                                                                                      |
| 2   |                                      | LCD display                  | Displays the status of the printer, menu options, and messages.<br><br><b>Refer to</b><br>• "Control Panel Display" (P. 24)                                                                                                                                                                                                                                                                                                     |
| 3   |                                      | <Menu> button                | Pressed to display the menu screen.                                                                                                                                                                                                                                                                                                                                                                                             |
| 4   |                                      | <OK/Eject> button            | Pressed to confirm the menu option selected on the menu screen. This button is used also when printing reports/lists.                                                                                                                                                                                                                                                                                                           |
| 5   |                                      | <Power Saver> button/lamp    | Pressed to exit the Power Saver mode. This button/lamp lights when the printer is the Power Saver mode.                                                                                                                                                                                                                                                                                                                         |
| 6   |                                      | <Cancel Job> button          | Pressed to stop printing.                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7   | <br><br><br>Secure/Sample Print icon | <▲>, <▼>, <◀>, <▶><br>button | Pressed to advance to the next menu, item, or option. The <◀> button is used also when using the Secure/Sample Print feature.<br><br><b>Note</b><br>• Holding down the <▲> or <▼> button scrolls through menus, items, and options in a circular fashion. Pressing the <▲> and <▼> buttons simultaneously displays the default values.<br>• To use the Secure/Sample Print feature, the hard disk (optional) must be installed. |
| 8   |                                      | <Online> button              | Pressed to switch the printer to offline status. When the printer is offline, the ◯ <Ready> lamp goes off and the printer becomes unable to print. Pressing this button again switches the printer from offline to online (ready-to-print status).                                                                                                                                                                              |



| No. | Icon                                                                              | Name         | Description                                |
|-----|-----------------------------------------------------------------------------------|--------------|--------------------------------------------|
| 9   |  | <Error> lamp | Blinks or lights when an error occurs.     |
| 10  |  | <Ready> lamp | Lights when the printer is ready to print. |

## Control Panel Display

---

The display shows two types of screens: the print screen and menu screen. The print screen displays messages that show the status of the printer. The menu screen displays menus that allow you to set various settings for the printer.

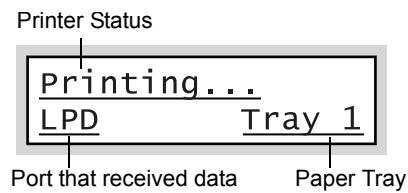
### Note

- The messages on the display vary depending on the printer status and the options installed.

## Print Screen

---


When the printer is printing or waiting for data, the print screen is displayed on the display. The following is an example of the print screen of when the printer is printing.

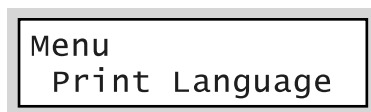


## Menu Screen

---

The menu screen displays menus that allow you to set various settings for the printer.

To display the menu screen, press the  <Menu> button. The following is the first page of the menu screen.



### Refer to

- For information about the menu items in the menu screen, refer to "5 Control Panel Menus" (P. 73).

## 2.2 Switching On/Off the Power

---

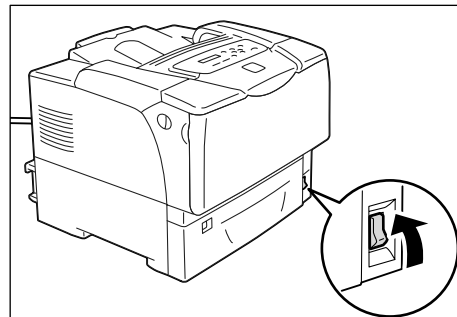
### Switching On the Power

---

1. Press the power switch to the <|> position.
2. When the power is turned on, the display reads [Please wait...]. Wait until the message changes to [Ready to print].

**Note**

- When the display reads [Please wait...], the printer is warming up and is not ready to print yet.
- If an error message is displayed, refer to "Error Messages (in Alphabetical Order)" (P. 129) to remedy the error.

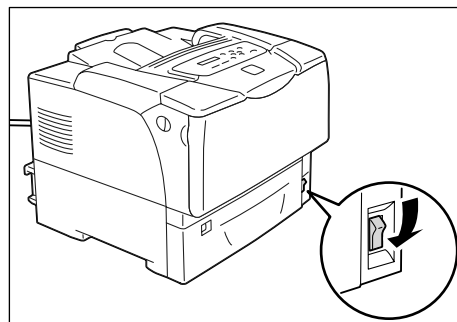


### Switching Off the Power

---

**Important**

- Do not switch the power off while the hard disk (optional) is being accessed.
  - Do not switch the power off when the display reads [Please wait...].
  - Do not switch the power off during printing. Doing so can cause paper jams.
  - Switching the power off erases the print data remaining in the printer and the information stored in the printer's memory.
1. Make sure that the printer is not in operation by checking the display or indicator lamps.
  2. Press the power switch to the <O> position.



## 2.3 About the Circuit Breaker

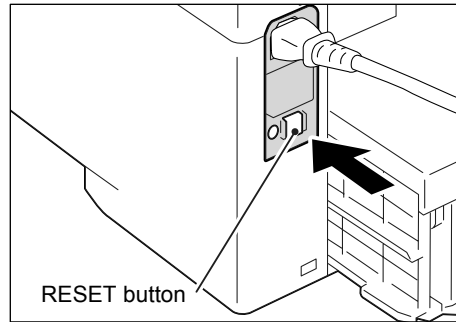
---

The printer has a circuit breaker on its rear left side.

In the event of current leakage, the breaker will automatically cut off the power circuit to prevent any current leakages or fire from occurring.

If the circuit breaker trips, check insulation condition of the printer and then press the <RESET> button.

If the insulation condition of the printer is not recovered, the circuit breaker trips again immediately. In such case, contact your Customer Support Center or your dealer.



Once a month, switch the printer off and test if the breaker is functioning normally. Using a failed breaker puts your printer at risk of electric shock.


If your circuit breaker is not functioning normally, contact your Customer Support Center or your dealer.

## 2.4 Setting/Exiting the Power Saver Modes

---

The printer has a power saving feature which reduces power consumption during periods of inactivity. This feature operates in two modes: the Low Power mode and Sleep mode.

As delivered, the printer switches to the Low Power mode 3 minutes after the receipt of the last print request. The printer then switches to the Sleep mode after another 5 minutes of inactivity.

When the printer is in the Low Power mode, the display shows [Ready/Standby]. In the Sleep mode, all lamps on the control panel except for the  <Power Saver> button go out. The display also goes blank and displays nothing.

The factory default settings of 3 minutes (Low Power mode) and 5 minutes (Sleep mode) are changeable within the range of 1 - 60 minutes (Low Power mode) and 1 - 120 minutes (Sleep mode). The printer consumes less than 5 W in the Sleep mode, and returns to the ready-to-print state in about 16 seconds when re-activated.


### Note

- You can program your printer to disable the Sleep mode.
- For more information about the Low Power and Sleep modes and how to change their settings, refer to "Setting Example: Changing the Power Saver Mode Setting" (P. 76).



## Exiting the Power Saver Modes

---

The printer automatically exits the Power Saver modes when it receives a print job from a computer.

To manually exit the Low Power mode, press any button on the control panel. To exit the Sleep mode, press the  <Power Saver> button.

### Note

- When the printer is in the Low Power mode, opening and closing a cover will cause the printer to exit the Low Power mode.
- When the printer is in the Sleep mode, all buttons on the control panel except for the  <Power Saver> button do not function.  
To use the buttons on the control panel, press the  <Power Saver> button to exit the Sleep mode.

## 2.5 C cancelling/Checking a Print Job

---


### Cancelling a Print Job

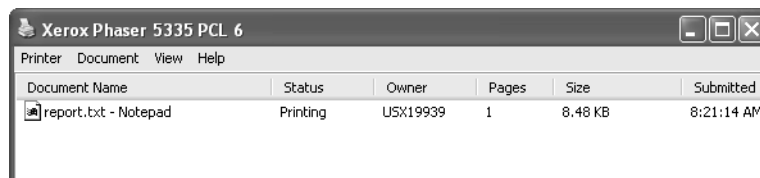
---

Print jobs can be cancelled either from your computer or on the control panel.

#### Cancelling a Print Job being Processed on a Computer


---

1. Double-click the printer icon  on the task bar at the lower right corner of your monitor.
2. On the displayed window, click the name of the document you want to cancel and press the <Delete> key. If you cannot find the document in the window, cancel the document on the control panel.



#### Cancelling a Print Job being Printed/Received on the Printer

---


Press the  <Cancel Job> button on the control panel. This operation, however, does not cancel the page that was being printed when you pressed the button.

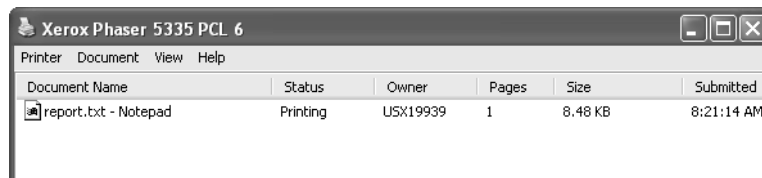
### Checking the Status of a Print Job

---

#### Checking the Job Status on Windows

---

1. Double-click the printer icon  on the task bar at the lower right corner of your monitor.
2. On the displayed window, check [Status].



#### Checking the Job Status on CentreWare Internet Services

---

You can check the status of print jobs also under the [Jobs] tab on CentreWare Internet Services.

##### Refer to

- CentreWare Internet Services online help

## 2.6 Importing Printer Information to a Print Driver

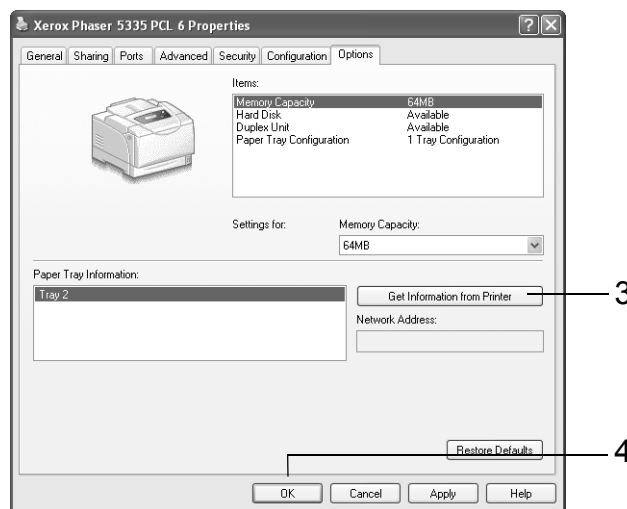
If your printer is networked, you can import printer information (such as accessory configuration, sizes and types of paper in the paper trays) into your print driver using SNMP protocol. This can be done on the [Options] tab on your print driver.

The following procedure is described based on Windows XP using the PCL print driver.

### Note

- This feature is not available when your printer is a local printer, and you must manually set the information on your print driver. Also, the sizes and types of paper loaded in each tray will not be displayed on the print driver.
- When your printer is a local printer, you can check the accessory configuration by printing out the [Printer Settings] list.
- To use this feature, enable the printer's SNMP port (default: [Enable]) on the control panel.
- On Windows NT 4.0, Windows 2000, Windows XP, or Windows Vista, only users with administrator level access can change the settings. Users without administrator level access can only view the settings.

1. From the Windows [Start] menu, select [Printers and Faxes].  
Select to highlight the printer, and then select [Properties] from the [File] menu.
2. Click the [Options] tab in the Properties dialog box.
3. Click [Get Information from Printer].



The printer information is imported to the print driver.

4. Click [OK] to update the [Options] tab.

### Note

- The paper sizes and orientations displayed in [Paper Tray Information] are those specified with the paper size dial.
- The paper types displayed in [Paper Tray Information] are those you configured on the control panel.





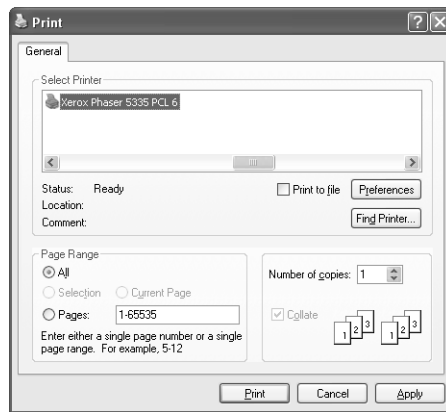
# 3 Print

This chapter describes various printing methods using a PCL print driver.

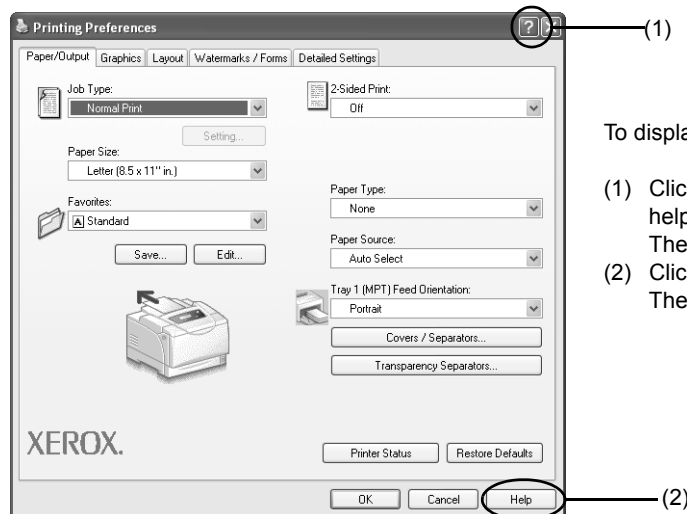
## 3.1 Printing from a Computer

This section outlines the basic procedure for sending print jobs from Windows applications. The following procedure uses Windows XP WordPad as an example. (The procedure may vary depending on the application being used.)

1. On the [File] menu of your application, click [Print].
2. Select the printer from the [Select Printer] list box, and then display the Properties dialog box.  
On Windows XP WordPad, clicking [Preferences] displays the dialog box.



3. Click the desired tab and set the print features as necessary. When you are finished with the settings, click [OK] to close the dialog box. For details on the print features, refer to the online help for the print driver.



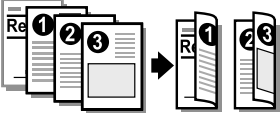

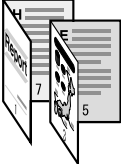
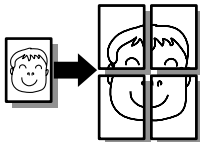
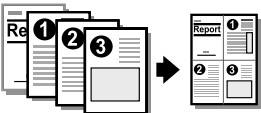
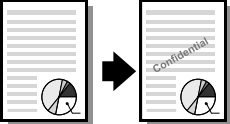
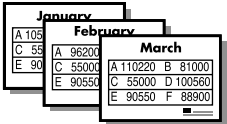
To display help:

- (1) Click [?] and then an item you need help with. The help for the item pops up.
- (2) Click [Help]. The [Help] window appears.

4. Click [Print] in the [Print] dialog box to start printing.

## Print Features in the Properties Dialog Box

The following introduces some of the print features available on each tab of the print driver. For details on each feature, refer to the online help provided for the print driver.

| Tab              | Feature                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                             |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Paper/Output     | <ul style="list-style-type: none"> <li><b>2 Sided Print</b><br/>Prints documents on both sides of paper.</li> </ul>                                                                                                                               | <ul style="list-style-type: none"> <li><b>Secure Print</b><br/>Allows you to store a document temporarily in the printer and manually print it from the control panel.</li> </ul>                      | <ul style="list-style-type: none"> <li><b>Sample Print</b><br/>Allows you to print a proof copy of a document and print the entire copies after verifying the print result.</li> </ul>                                                                                                                                      |
|                  | <ul style="list-style-type: none"> <li><b>Transparency Separators</b><br/>Automatically places separators between documents when printing on transparencies.</li> </ul>                                                                          |                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li><b>Favorites</b><br/>Allows you to program frequently-used print settings.</li> </ul>                                                                                                                                                                                                |
| Graphics         | <ul style="list-style-type: none"> <li><b>Image Types</b><br/>Allows you to define the type of the original and print it in the optimal print quality.</li> </ul>                                                                                                                                                                  |                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                             |
| Layout           | <ul style="list-style-type: none"> <li><b>Booklet Creation</b><br/>Creates a booklet from a set of 2 sided documents. It correctly positions each page to produce output, that when folded, will be ordered to read like a booklet.</li> </ul>  |                                                                                                                                                                                                        | <ul style="list-style-type: none"> <li><b>Poster</b><br/>Allows you to divide and enlarge an original document to copy the image onto multiple sheets of paper. You can then paste them together to make one large poster.</li> </ul>  |
|                  | <ul style="list-style-type: none"> <li><b>Multiple-Up</b><br/>Prints multiple pages onto one sheet of paper.</li> </ul>                                                                                                                         |                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                             |
| Watermarks/Forms | <ul style="list-style-type: none"> <li><b>Watermarks</b><br/>Adds a watermark such as "Confidential" underneath an original image.</li> </ul>                                                                                                   | <ul style="list-style-type: none"> <li><b>Forms</b><br/>Stores frequently-used forms in the printer. This saves you the time of sending them to the printer each time you need to use them.</li> </ul> |                                                                                                                                                                                                                                        |
|                  |                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                             |

### Note

- The Properties dialog box can be displayed also by clicking the printer icon in the [Printers and Faxes] window (or the [Printers] window depending on the OS you are using).  
The settings configured here will be the defaults of the features when the dialog box is accessed from your application.

## 3.2 Printing on Envelopes

---

This section describes how to print on envelopes.

Envelopes can be loaded in all paper trays.

### Note

- For more information on how to load paper in Tray 1 (Bypass tray), refer to "Loading Paper in Tray 1 (Bypass Tray)" (P. 62).
- For more information on how to load paper in trays 2 - 5, refer to "Loading Paper in Trays 2 - 5" (P. 64).

## Loading Envelopes

---

The printer can print on envelopes only on the address side, and not on the reverse side.

The following types of envelopes can be loaded in the printer.

- C5 (162 x 229 mm)
- Monarch (190.5 x 98.4 mm)
- COM-10 (241.3 x 104.8 mm)
- DL (220 x 110 mm)

### Important

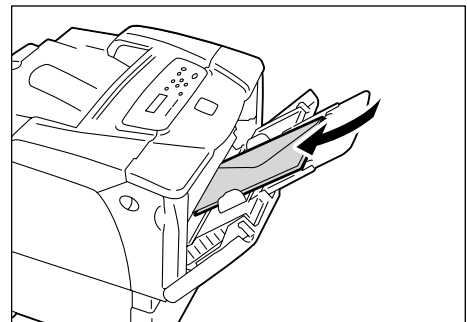
- For best print quality, do not use envelopes that:
  - are curled or twisted.
  - are stuck together or damaged.
  - have windows, holes, perforations, cutouts, or embossments.
  - use tie strings, metal clasps, or metal folding bars.
  - have postage stamps attached.
  - have any exposed adhesive when the flaps are in the sealed position.
  - have deckle edges or creased corners.
  - have rough, cockled, or laid finishes.

## Loading Envelopes in Tray 1 (Bypass Tray)

---

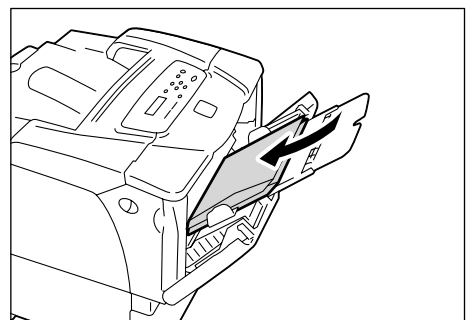
### ■ Envelopes with Adhesive Flaps

1. Load the envelopes with the address side facing down and the edge with the flaps on your right. Make sure that the flaps are closed.
2. Adjust the paper guides to the size of the envelopes.



### ■ Envelopes with Non-adhesive Flaps

1. Load the envelope with the address side facing down and the edge with the flaps on your left. Make sure that the flaps are open.
2. Adjust the paper guides to the size of the envelopes.



**Note**

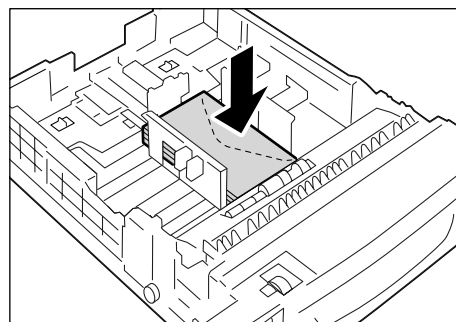
- When loading the envelopes in the tray, make sure that the flaps are completely open.
- When setting the margins on your application, add one-half length of the flap (from the top edge to the fold line) to the margin on the flap side.

## Loading Envelopes in Tray 2 - 4

---

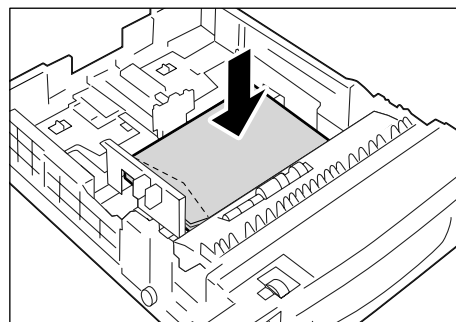
### ■ Envelopes with Adhesive Flaps

1. Load the envelopes with the address side facing up and the edge with the flaps on your right. Make sure that the flaps are closed.
2. Adjust the paper guides to the size of the envelopes.
3. Set the paper size dial to [\*].



### ■ Envelopes with Non-adhesive Flaps

1. Load the envelope with the address side facing up and the edge with the flaps on your left. Make sure that the flaps are open.
2. Adjust the paper guides to the size of the envelopes.

**Note**

- When loading the envelopes in the tray, make sure that the flaps are completely open.
- When setting the margins on your application, add one-half length of the flap (from the top edge to the fold line) to the margin on the flap side.

3. Set the paper size dial to [\*].

## Printing on Envelopes

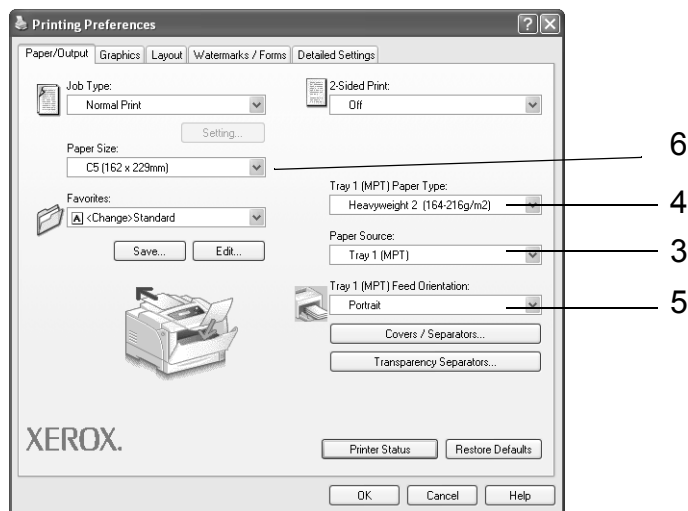
---

The following procedure uses Windows XP WordPad as an example.

### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.

1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list box, and click [Preferences].
3. The [Paper/Output] tab appears.  
From [Paper Source], select [Tray 1].



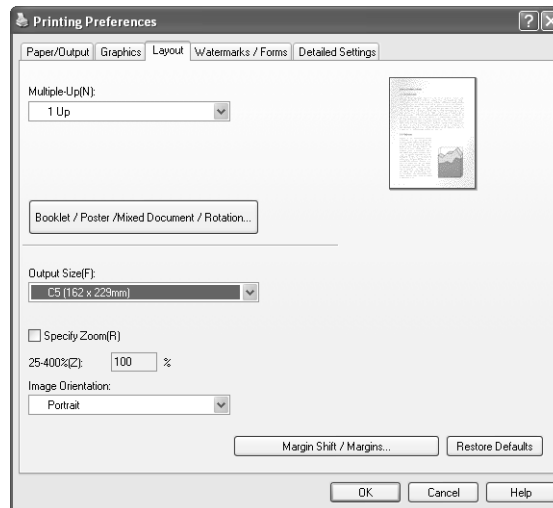
4. From [Paper Type for Tray 1], select the paper type to be used.

### Note

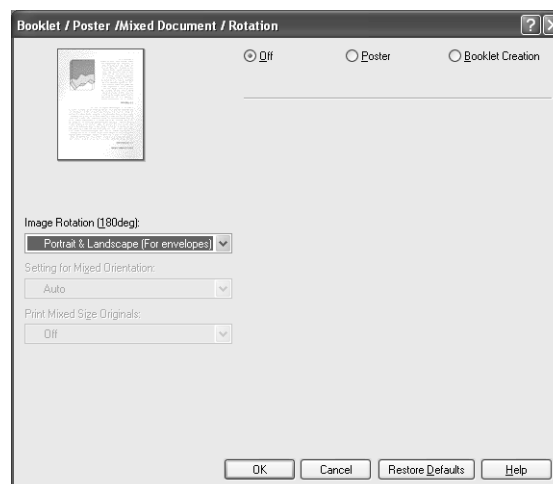
- When printing on envelopes, select [Heavyweight 2].

5. From [Bypass Feed Orientation], select the orientation of the envelopes.
6. From [Paper Size], select the size of the document to be printed.

- Click the [Layout] tab, and then select the output paper size from [Output Size].



- As necessary, click [Booklet/Poster/Mixed Document/Rotation], and in the displayed dialog box, set [Image Rotation (180deg)].



- Click [OK] to close the dialog box.
- Click [OK] to close the [Printing Preferences] dialog box.
- Click [Print] in the [Print] dialog box to start printing.

## 3.3 Printing on Transparencies

This section describes how to print on transparencies.

### Loading Transparencies

Transparencies can be loaded in all paper trays.

#### Note

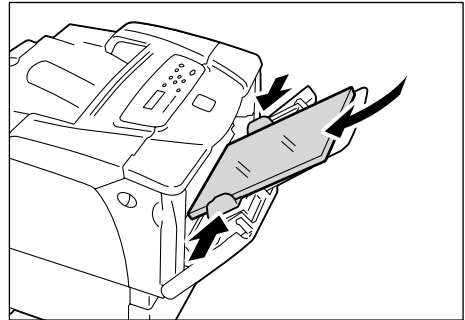
- For more information on how to load paper in Tray 1 (Bypass tray), refer to "Loading Paper in Tray 1 (Bypass Tray)" (P. 62).
- For more information on how to load paper in the trays 2 - 5, refer to "Loading Paper in Trays 2 - 5" (P. 64).

#### ■ To Load Transparencies in Tray 1 (Bypass Tray)

##### Important

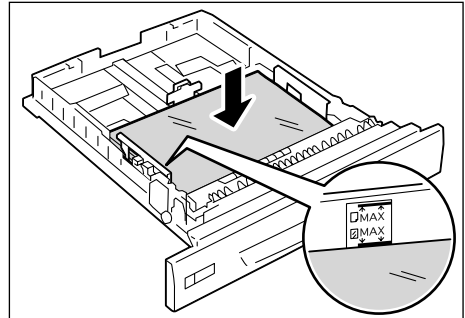
- Transparencies for full-color printing cannot be used.

1. Fan the transparencies, and load them in Tray 1 (Bypass tray) with the print side facing down. Load only a few sheets at a time.
2. Adjust the paper guides to the size of the transparencies.



#### ■ To Load Transparencies in Trays 2 - 5

1. Remove the paper tray from the printer, and adjust the paper guides to the size of the transparencies.
2. Load the transparencies in the tray with the print side facing up. Make sure that the transparencies do not exceed the maximum fill-line for transparencies.
3. Slide the tray back into the printer.



##### Important

- When inserting the tray, be careful not to get your fingers caught between the tray and the printer or another tray (if the optional sheet feeders are installed).
4. Set the paper size dial to match the size of the transparencies loaded in the tray.

#### Note

- For information on how to change the paper type setting on the control panel, refer to "Changing the Paper Types of the Trays" (P. 68).
- You can also change the paper type setting on your print driver when requesting a print job. For more information, refer to "3.5 Printing by Changing the Paper Types of the Trays" (P. 44).

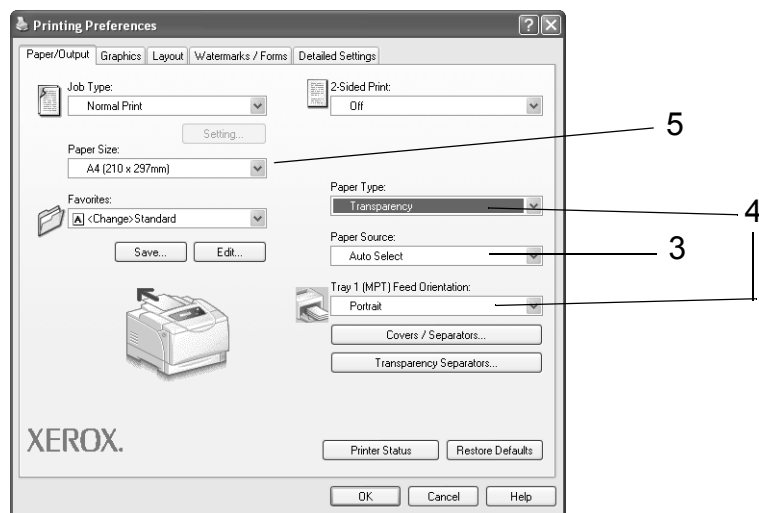
## Printing on Transparencies

The following procedure uses Windows XP WordPad as an example.

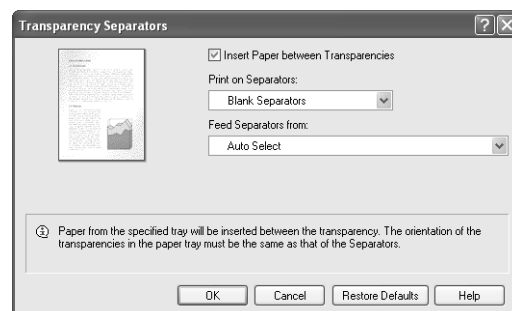
### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.
- Leaving printed transparencies in the output tray can cause them to stick together. Remove them from the tray every 20 prints or so and fan them to cool them off.

1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list box, and then click [Preferences].
3. The [Paper/Output] tab appears.  
From [Paper Source], select the tray where you loaded the transparencies.

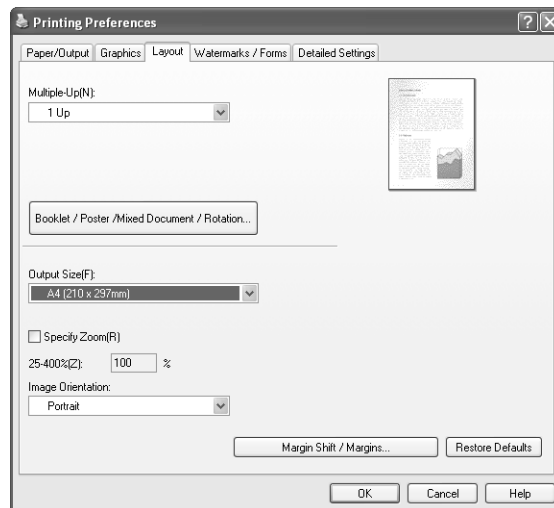


4. When [Auto] is selected, select [Transparency] from [Paper Type].  
When [Tray 1] is selected, select [Transparency] from [Paper Type for Tray 1] and the orientation on the transparencies from [Bypass Feed Orientation].
5. From [Paper Size], select the size of the document to be printed.
6. If you want to use the Transparency Separators feature, click [Transparency Separators...].  
In the displayed dialog box, select [Insert Paper between Transparencies] and set the rest of the items as necessary. Click [OK] to close the dialog box.





7. On the [Layout] tab, select the output paper size from [Output Size].

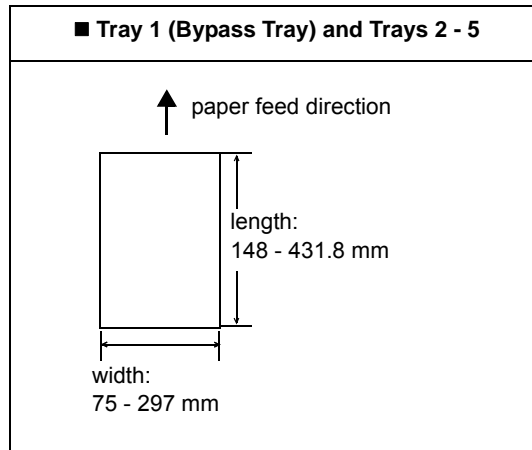


8. Click [OK] to close the [Printing Preferences] dialog box.
9. Click [Print] in the [Print] dialog box to start printing.

## 3.4 Printing on Non-standard Size Paper

---

This section describes how to load non-standard size paper in the paper trays. The paper trays can accommodate paper of the following sizes:



### Loading Non-standard Size Paper

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The procedure for loading non-standard size paper is the same as for standard-size paper. Refer to "4.2 Loading Paper" (P. 62).

### Registering Non-standard Size Paper

---

Before using non-standard size paper, set its paper size on your print driver.

The following procedure uses Windows XP as an example.

When loading non-standard-size paper in the trays, set the paper size also on the control panel. For information on how to set a paper size on the control panel, refer to "Setting the Paper Sizes of the Trays" (P. 69).

#### Important

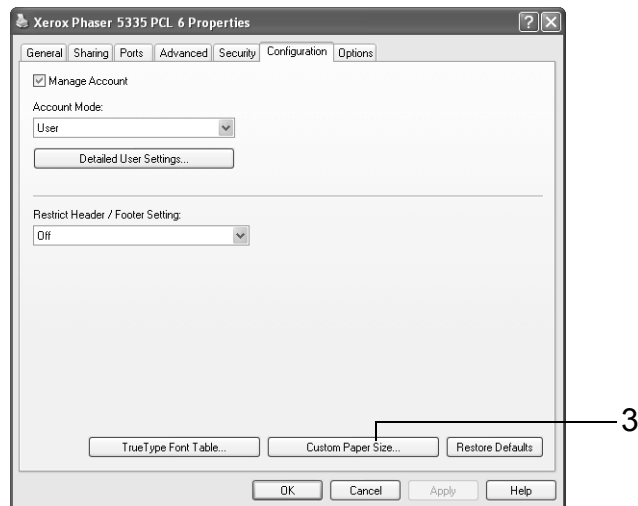
- Make sure to set the paper size correctly on the print driver or on the control panel. Setting the wrong paper size can cause printer failure.

#### Note

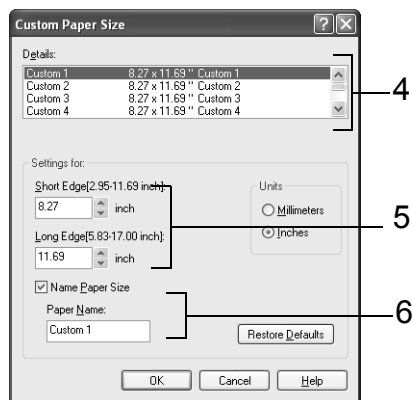
- On Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista only users with administrator level access can change the settings. Users without administrator level access can only view the settings.
- Changing the settings in the [Custom Paper Size] dialog box on Windows NT 4.0, 2000, Windows XP, Windows Server 2003, or Windows Vista when the printer is a local printer can affect the settings for other printers on your computer. Whereas, changing those settings when the printer is a network printer can affect other network-shared printers on other computers over the network. This is because the printer uses its own form database when it is local, and uses the form database of a server that has a print queue when it is networked.

1. On the Windows [Start] menu, click [Printers and Faxes].  
Select to highlight the printer, and select [Properties] from the [File] menu.
2. The Properties dialog box appears. In the dialog box, click the [Configuration] tab.

- Click [Custom Paper Size...].



- Select an item from the [Details] list box.



- Under [Settings for:], specify the lengths for [Short Edge] and [Long Edge] by using the [▲] and [▼] keys or by directly entering the values.  
Note that the short edge cannot be longer than the long edge and that the long edge cannot be shorter than the short edge, even within the specified ranges.
- If giving a name to the paper size, select [Name Paper Size] and enter the name in [Paper Name] within 14 characters.
- As necessary, repeat Steps 4 to 6 to define other custom paper sizes.
- Click [OK] to close the [Custom Paper Size] dialog box.
- Click [OK] to close the Properties dialog box.

## Printing on Non-standard Size Paper

The following procedure uses Windows XP WordPad as an example.

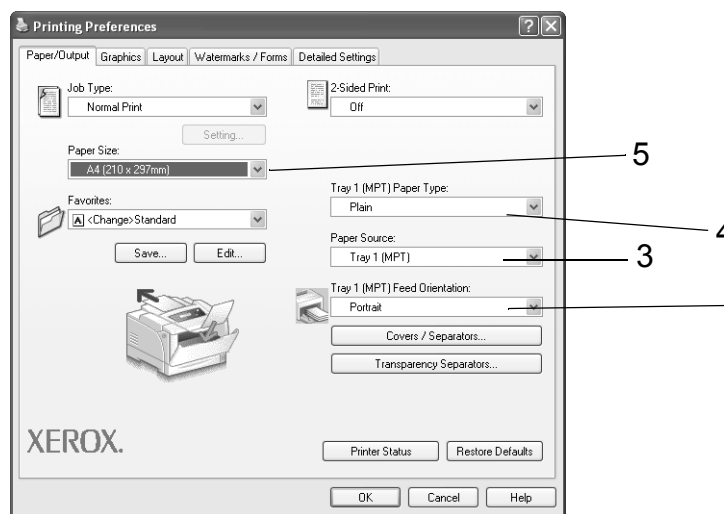
### Important

- Make sure to set paper sizes correctly. Setting wrong paper sizes can cause printer failure.

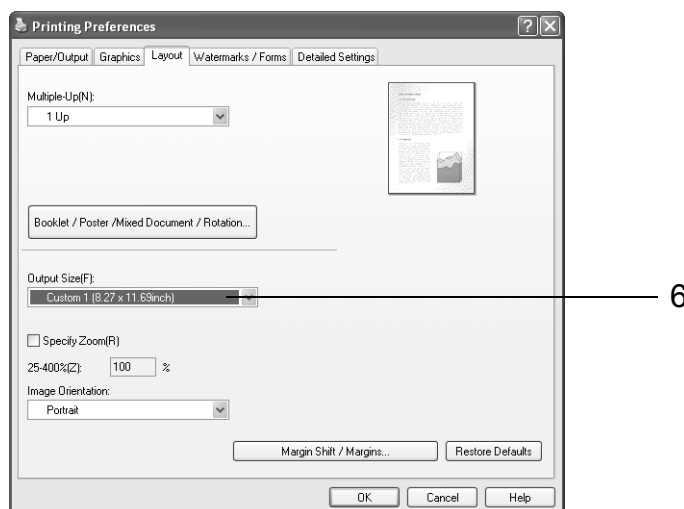
### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.

1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list box, and click [Preferences].
3. The [Paper/Output] tab appears.  
From [Paper Source], select the tray where you loaded the non-standard size paper.



4. When [Tray 1] is selected, select the paper type and orientation of the non-standard size paper from [Paper Type for Tray 1] and [Tray 1 Feed Orientation], respectively.
5. From [Paper Size], select the size of the document to be printed.
6. Click the [Layout] tab, and from [Output Size], select the custom output size you registered.



7. Click [OK] to close the [Printing Preferences] dialog box.
8. Click [Print] in the [Print] dialog box to start printing.

## 3.5 Printing by Changing the Paper Types of the Trays

Tray 1 (Bypass tray) and trays 2 - 5 accept plain paper and special media such as heavyweight paper and transparencies.

This section describes how to print by changing the paper type setting of the trays.

The following procedures use Windows XP WordPad as an example.

### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.

### Printing by Changing the Paper Type Setting

There are two methods of printing by changing the paper type setting of the trays.

- Printing by setting the paper type on the control panel
- Printing by setting the paper type on the print driver

#### ■ Printing by Setting the Paper Type on the Control Panel

The following example shows how to print using the A4 size transparencies in portrait orientation loaded in Tray 2.

Before requesting a job from your print driver, set the paper type of the tray on the control panel.

After changing the paper type setting on the control panel, import the print information to the print driver. The sizes and types of paper set in each tray can be viewed on the print driver when printing.

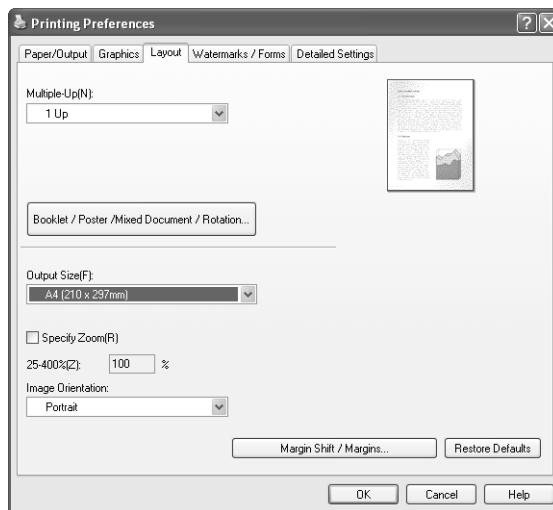
### Refer to

- For information on how to set the paper type setting on the control panel, refer to " Paper Sizes / Paper Types in the Trays" (P. 67) and " [Paper Type]" (P. 104).
- For information on how to import the paper setting to the print driver, refer to "2.6 Importing Printer Information to a Print Driver" (P. 29).

1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list, and click [Preferences].
3. The [Paper/Output] tab appears. From [Paper Source], select [Tray2].



4. From [Paper Size], select the size of the document to be printed.
5. Click the [Layout] tab, and select the size of the output paper from [Output Size].



6. Click [OK] to close the [Printing Preferences] dialog box.
7. Click [Print] in the [Print] dialog box to start printing.

### ■ Printing by Setting the Paper Type on the Print Driver

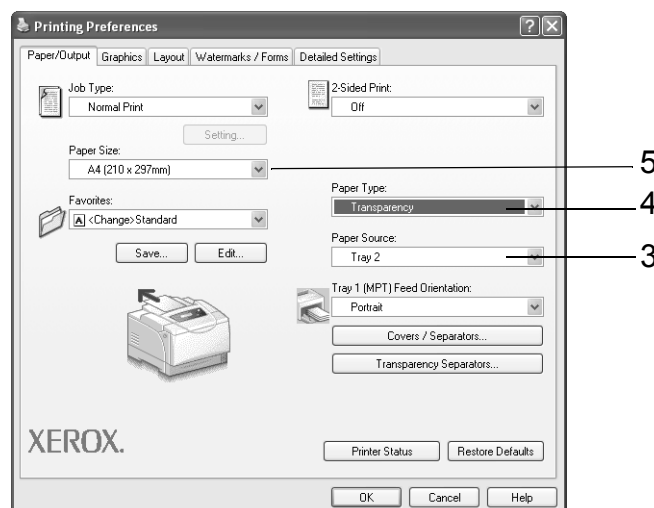
The following example shows how to print when the paper type of Tray 2 is set to “Plain Paper”, but the actual type of the paper loaded is “Transparency”.

This method allows you to print using the paper type specified on the print driver regardless of the paper type set on the printer.

#### Important

- When the paper type on the print driver does not match the actual type of the paper loaded in the paper tray, images will not be processed properly. The toner may not fuse properly onto the paper, resulting in smearing and other print quality problems.

1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list and click [Preferences].
3. Click the [Paper/Output] tab, and select [Tray 2] from [Paper Source].

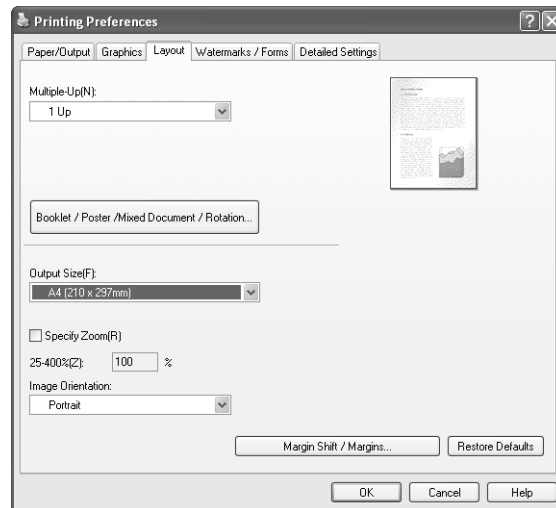


4. From [Paper Type], select [Transparency].

**Note**

- The paper type selected here is only valid for this job. This setting does not change the paper type setting on the control panel.

5. From [Paper Size], select the size of the document to be printed.
6. Click the [Layout] tab, and select the size of the output paper from [Output Size].



7. Click [OK] to close the [Printing Preferences] dialog box.
8. Click [Print] in the [Print] dialog box to start printing.

## Automatically Printing by Changing the Paper Type Setting

When the paper types of the trays are set correctly on the control panel, you can request a job without specifying a paper tray on the print driver. The printer can automatically select a paper tray based on the paper type you selected on the print driver.

This method allows you to request a print job without having to know the type of paper loaded in each paper tray.

Before requesting a print job from your print driver, set the paper type of the tray on the control panel.

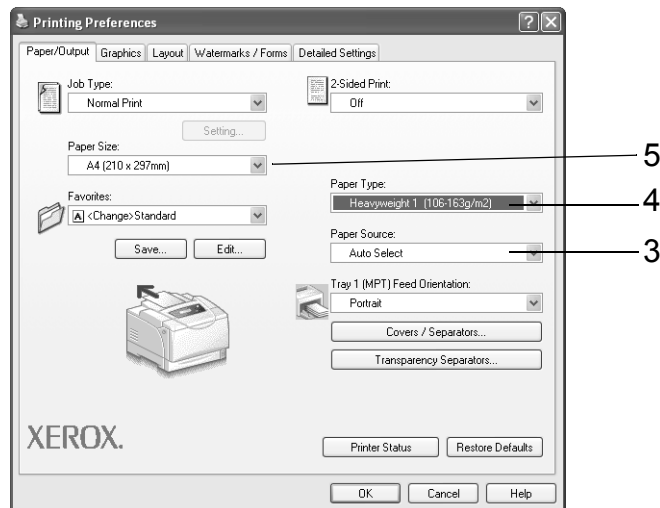
**Refer to**

- For information on how to set the paper type setting on the control panel, refer to " Paper Sizes / Paper Types in the Trays" (P. 67) and " [Paper Type]" (P. 104).

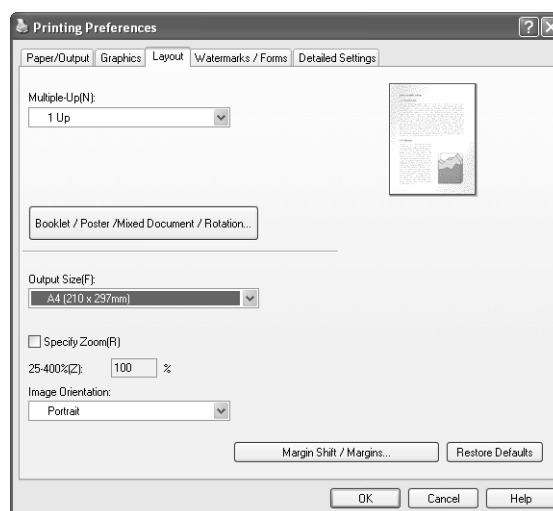
1. On the [File] menu, click [Print].
2. Select the printer from the [Select Printer] list, and click [Preferences].



3. The [Paper/Output] tab appears. From [Paper Source], select [Auto Select].



4. From [Paper Type], select the desired paper type to be used.
5. From [Paper Size], select the size of the document to be printed.
6. Click the [Layout] tab, and select the size of the output paper from [Output Size].



7. Click [OK] to close the [Printing Preferences] dialog box.
8. Click [Print] in the [Print] dialog box to start printing.

## 3.6 Printing Confidential Documents

### - Secure Print -

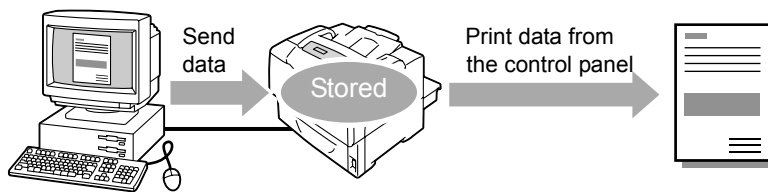
---

If your printer has the optional hard disk installed, you can use the Secure Print feature.

#### Secure Print Feature

---

Secure Print is a feature that allows you to send a password-protected document to the printer. The printer then stores the document temporarily, rather than printing it immediately, until you manually start the printing from the control panel. The feature can also store documents that are not password protected. By storing frequently-used documents in the printer, you can print them whenever you want, without having to send them each time from your computer.



#### Note

- Whether or not to delete a Secure Print job after printing it can be specified when you print it from the control panel. For more information, refer to "Operations on the Control Panel" (P. 50).
- Secure Print jobs cannot be printed when [Secure Print] > [Activate Feature] is set to [Disable] on the control panel.

#### Printing Using the Secure Print Feature

---

To send a secure print job, configure your settings as shown below. You will be able to release the secure print job at the printer through the control panel.

#### Operations on Your Computer

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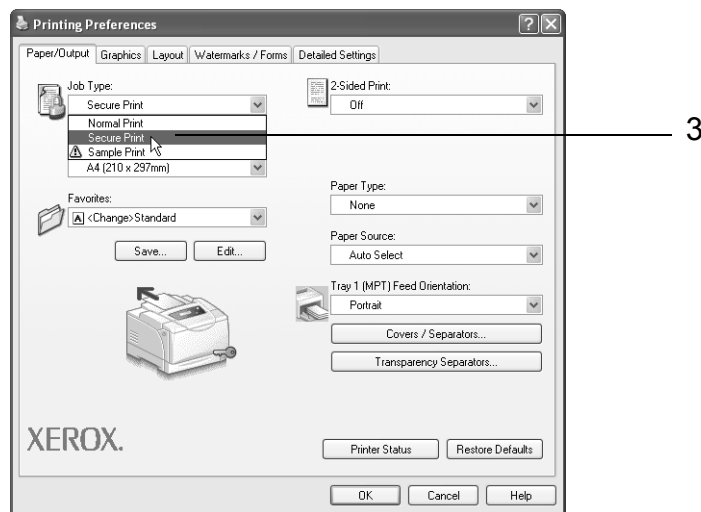
The following procedure uses Windows XP WordPad as an example.

#### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.

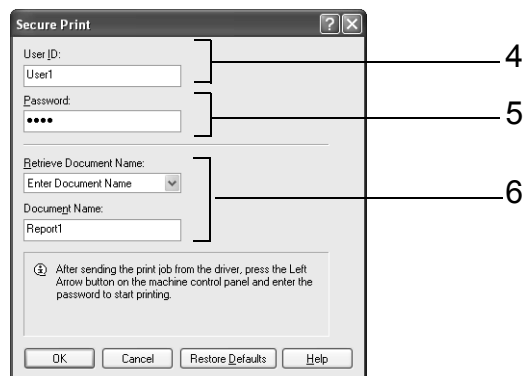
1. From the [File] menu, select [Print].
2. Select the printer from the [Select Printer] list box, and then click [Preferences].

3. The [Paper/Output] tab appears.  
From [Job Type], select [Secure Print] and click [Setting].



The [Secure Print] dialog box appears.

4. Enter your user ID into [User ID].  
The user ID can be up to 8 alphanumeric characters.



5. As necessary, enter a password into [Password].  
The password can be up to 12 numeric characters.
6. From [Retrieve Document Name], select [Enter Document Name] or [Auto Retrieve].  
When [Enter Document Name] is selected, enter the desired document name in [Document Name]. The document name can be up to 12 alphanumeric characters.  
When [Auto Retrieve] is selected, the document name will be the name of the document to be printed. If the printer cannot identify the name of the document, the date and time that the document will be printed will be its name.
7. Click [OK] to close the [Secure Print] dialog box.
8. Click [OK] to close the [Printing Preferences] dialog box.
9. Click [Print] in the [Print] dialog box to start printing.

## Operations on the Control Panel

---

The following explains how to release a Secure Print job stored in the printer.

### Note

- When deleting a Secure Print job without printing, select [Delete] after Step 8 in the following procedure.
- If the menu screen is left idle for 3 minutes, the display returns to the print screen. Any incomplete setting on the menu screen made 3 minutes before becomes invalid.

1. Press the <◀> button on the control panel.

Pri nt Menu  
Secure Pri nt



2. Press the <▶> button to accept the selection.  
A user ID is displayed.

Sel ect User ID  
User1



3. Press the <▼> button until the desired user ID is displayed.

### Note

- The user ID is the ID set under [User ID] in the [Secure Print] dialog box on your print driver.

4. Press the <▶> button to accept the selection.  
A screen that allows you to enter a password is displayed.

Password+SET key  
[ \_ ]



5. Enter your password using the <▲> and <▼> buttons. Use the <▶> button to move the cursor.

Password+OK key  
[ \*\*\*\* ]



### Note

- Enter the password set under [Password] in the [Secure Print] dialog box on your print driver. When a password is not set, you will not be asked to enter it on the control panel.

6. Press the OK / ⏏ <OK/Eject> button to confirm your setting.  
The name of a document stored in the printer is displayed.

Sel ect Document  
Report

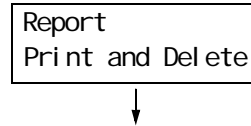


7. Press the <▼> button until the desired document name is displayed.

### Note

- The document name is the name entered in the [Secure Print] dialog box on your print driver.
- When more than one document is stored in the printer, you can also select [All documents]. If you selected [All documents], select also [Use PC settings] (the printer prints in the print quantity specified on the print driver) or [xxx sets] (you must enter the print quantity).

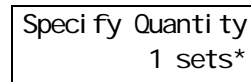
8. Press the <▶> button to accept the selection.  
A screen that allows you to set whether to delete or save the document after printing it is displayed.



**Note**

- If you want to delete the document without printing, press the <▼> button, display [Delete], press the <▶> button, and then press the OK/△ <OK/Eject> button.
- If you want to save the document in the hard disk after printing, press the <▼> button, display [Print and Save], and proceed to Step 9.

9. Press the <▶> button to accept the selection.  
A screen that allows you to enter the print quantity is displayed.



10. Enter the quantity using the <▼> button.
11. Press the OK/△ <OK/Eject> button to print the document.  
The printing starts.

## 3.7 Printing After Checking the Print Result - Sample Print -

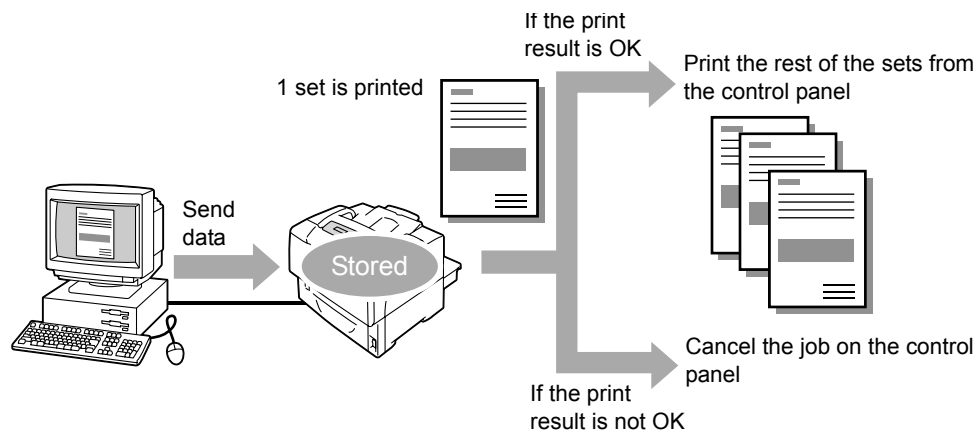
---

If your printer has the optional hard disk installed, you can use the Sample Print feature.

### Sample Print Feature

---

Sample Print is a feature that allows you to print a proof copy of a multi-set job and print the entire sets once the print result has been verified. The job is stored on the printer's hard disk until all sets are released through the control panel.



#### Note

- To delete a Sample Print job without printing, refer to "Operations on the Control Panel" (P. 54).
- Sample print jobs cannot be printed when [Secure Print] > [Activate Feature] is set to [Disable] on the control panel.

### Printing Using the Sample Print Feature

---

To sample print a job, configure the following settings on your computer and send the job to the printer. From the control panel you will be able to release the Sample Print for review.

#### Operations on Your Computer

---

The following procedure uses Windows XP WordPad as an example.

#### Note

- The method of displaying the Properties dialog box varies depending on the application being used. Consult the documentation for your application.

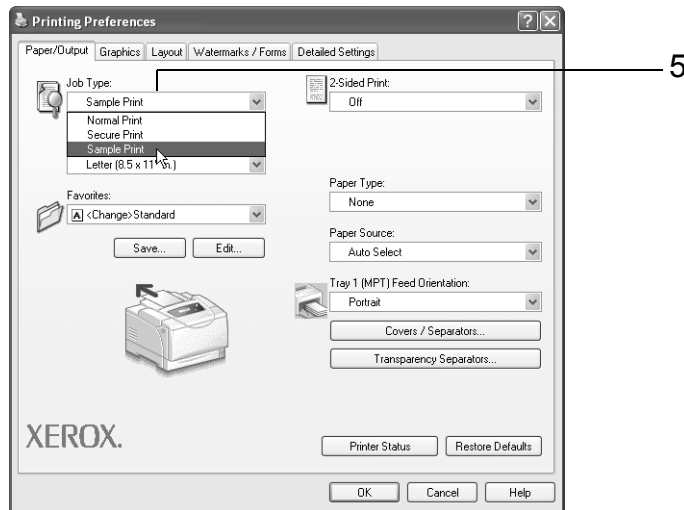
1. On the [File] menu, click [Print].
2. Set [Number of copies] to "2" or more.

#### Note

- [Sample Print] becomes active if you specify "2" or a larger quantity for [Number of copies].

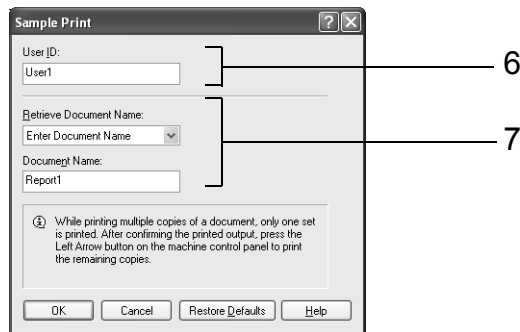
3. Select the printer from the [Select Printer] list box, and then click [Preferences].

4. The [Paper/Output] tab appears.
5. From [Job Type], select [Sample Print] and then click [Setting].



The [Sample Print] dialog box appears.

6. Enter your user ID into [User ID].  
The user ID can be up to 8 alphanumeric characters.



7. From [Retrieve Document Name], select [Enter Document Name] or [Auto Retrieve].  
When [Enter Document Name] is selected, enter the desired document name in [Document Name]. The document name can be up to 12 alphanumeric characters.  
When [Auto Retrieve] is selected, the document name will be the name of the document to be printed. If the printer cannot identify the name of the document, the date and time that the document will be printed will be its name.
8. Click [OK] to close the [Sample Print] dialog box.
9. Click [OK] to close the [Printing Preferences] dialog box.
10. Click [Print] in the [Print] dialog box to start printing.

## Operations on the Control Panel

---


The following explains how to release or delete a Sample Print job depending on its print result.

### Note

- If the menu screen is left idle for 3 minutes, the display returns to the print screen. Any incomplete setting on the menu screen made 3 minutes before becomes invalid.


1. Press the <◀> button on the control panel.

Print Menu  
Secure Print




2. Press the <▼> button until [Sample Print] is displayed.

Print Menu  
Sample Print



3. Press the <▶> button to accept the selection.  
A user ID is displayed.

Select User ID  
User1




4. Press the <▼> button until the desired user ID is displayed.

### Note

- The user ID is the ID set under [User ID] in the [Sample Print] dialog box on your print driver.

5. Press the <▶> button to accept the selection.  
The document name stored in the printer is displayed.

Select Document  
Report




6. Press the <▼> button until the desired document name is displayed.

### Note

- The document name is the name entered in the [Sample Print] dialog box on your print driver.
- When more than one document is stored in the printer, you can also select [All documents]. If you selected [All documents], select also [Use PC settings] (the printer prints in the print quantity specified on the print driver) or [xxx sets] (you must enter the print quantity).

7. Press the <▶> button to accept the selection.  
A screen that allows you to set whether to delete or save the document after printing it is displayed.

1. Report  
Print and Delete



### Note

- If you want to delete the document without printing, press the <▼> button, display [Delete], press the <▶>, and then press the OK/△ <OK/Eject> button.
- If you want to save the document in the hard disk after printing, press the <▼> button, display [Print and Save], and proceed to Step 8.



8. If printing the document, select the desired option by pressing the <▶> button.
9. Enter the print quantity using the <▼> button, and press the  $\text{OK}/\triangle$  <OK/Eject> button to print the document.  
The printing starts.

|                               |
|-------------------------------|
| Speci fy Quanti ty<br>1 sets* |
|-------------------------------|



# 4 Paper

## 4.1 About Paper

Using paper that is not appropriate for the printer can cause paper jams, image quality problems, or printer failure. To use the printer at its best performance, we recommend you to use only the paper described in this section.

When using paper other than that recommended, contact your Customer Support Center or your dealer.



































### Supported Paper

#### Supported Paper Sizes and Types

The following table lists the supported paper sizes, paper types, and the capacity of each paper tray.

**Note**

- G.S.M. (gram per square meter) refers to a weight in grams of one square meter of paper.














| Paper Tray                                         | Paper Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Paper Type (G.S.M.)                                                                                                                                                                          | Maximum Capacity                                                                                                                                                                                                                                      |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tray 1<br>(Bypass tray)                            | A3  , B4  , A4  ,<br>A4  , B5  , A5  ,<br>11 × 17"  , 8.5 × 13"  ,<br>8.5 × 14"  , 8.5 × 11"  ,<br>5.5 × 8.5"  , 7.25 × 10.5"  ,<br>Pre-paid Postcard (148 x 200 mm)  ,<br>envelope (COM-10  , Monarch  ,<br>DL  , C5  ,<br>custom size paper (width: 75 - 297 mm;<br>length: 148 - 431.8 mm),<br>long paper (297 x 900 mm) | Plain 1 (60 - 80 g/m <sup>2</sup> ),<br>Plain 2 (70 - 80 g/m <sup>2</sup> ),<br>Heavyweight 1 (106 - 163 g/m <sup>2</sup> ),<br>Heavyweight 2 (164 - 216 g/m <sup>2</sup> ),<br>Transparency | FX P paper:<br>Approx. 150 sheets<br>Postcard:<br>Approx. 50 sheets<br>Envelope:<br>Approx. 10 sheets<br>Label:<br>Approx. 75 sheets<br>Transparency:<br>Approx. 75 sheets<br><br>Or up to 17.5 mm high<br>for all paper types                        |
| Tray 2<br>(standard),<br>Trays 3 - 5<br>(optional) | A3  , B4  , A4  ,<br>A4  , B5  , A5  ,<br>11 × 17"  , 8.5 × 13"  ,<br>8.5 × 14"  , 8.5 × 11"  ,<br>5.5 × 8.5"  , 7.25 × 10.5"  ,<br>Pre-paid Postcard (148 x 200 mm)  ,<br>envelope (COM-10  , Monarch  ,<br>DL  , C5  ,<br>custom size paper (width: 75 - 297 mm;<br>length: 148 - 431.8 mm)                               | Plain 1 (60 - 80 g/m <sup>2</sup> ),<br>Plain 2 (70 - 80 g/m <sup>2</sup> ),<br>Heavyweight 1 (106 - 163 g/m <sup>2</sup> ),<br>Heavyweight 2 (164 - 216 g/m <sup>2</sup> ),<br>Transparency | • 550-sheet tray<br>FX P paper:<br>Approx. 550 sheets<br>Postcard:<br>Approx. 230 sheets<br>Envelope:<br>Approx. 60 sheets<br>Label:<br>Approx. 250 sheets<br>Transparency:<br>Approx. 100 sheets<br><br>Or up to 59.4 mm high<br>for all paper types |

**Important**

- Be sure to set the correct paper sizes, paper types, and paper trays on the print driver or control panel when printing.  
Loading paper that is not supported or defining wrong settings can cause paper jams.
- When loading recycle paper, set the paper type to "Plain". When loading label sheets, set the paper type to "Heavyweight 1". For information about the recommended label sheets and recycle paper, refer to "Recommended/Tested Paper" (P. 59).
- Moisture, such as water, rain, and humidity can cause print images to come off from paper. For more information, contact your Customer Support Center or your dealer.

**■ Paper for 2-Sided Printing**

The following sizes and types of paper can be used for 2-sided printing using the duplex unit (optional).

| Paper Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Paper Type                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A3  , B4  , A4  , A4  , B5  , A5  ,<br>11 × 17"  , 8.5 × 13"  , 8.5 × 14"  , 8.5 × 11"  ,<br>5.5 × 8.5"  , 7.25 × 10.5"  , Pre-paid Postcard (148 x 200 mm)  ,<br>custom size paper (width: 100 - 297 mm;<br>length: 148 - 431.8 mm) | Plain 1 (60 - 80 g/m <sup>2</sup> ),<br>Plain 2 (70 - 80 g/m <sup>2</sup> ),<br>Heavyweight 1 (106 - 163 g/m <sup>2</sup> ),<br>Heavyweight 2 (164 - 190 g/m <sup>2</sup> ) |

## Supported Paper Specifications

If using general paper (commercially available paper), make sure that it meets the following specifications. To achieve the best print quality, however, we recommend you to use the standard paper (introduced in this page) instead.

| Paper Tray            | Specifications (G.S.M.)   |
|-----------------------|---------------------------|
| Tray 1 (Bypass tray)  | 60 - 216 g/m <sup>2</sup> |
| Tray 2                | 60 - 216 g/m <sup>2</sup> |
| Tray 3 - 5 (optional) | 60 - 216 g/m <sup>2</sup> |

## Recommended/Tested Paper

The following paper and media are recommended or have been tested with the printer. For information about other paper and media, contact your Customer Support Center or your dealer.

| Product Name                                            | G.S.M.                 | Paper Type Menu Name | Description                                                                                                                        |
|---------------------------------------------------------|------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------|
| FX P Paper<br>*Standard paper (for monochrome printing) | 60-80 g/m <sup>2</sup> | Plain                | Medium weight paper for internal office documents and general business use.                                                        |
| C2 paper                                                | 70 g/m <sup>2</sup>    | Plain                | Paper for general business use with minimum see-through.                                                                           |
| C2r paper                                               | 70 g/m <sup>2</sup>    | Plain                | 70% recycled pulp paper.                                                                                                           |
| EPR                                                     | 67 g/m <sup>2</sup>    | Plain                | 70% or more recycled pulp paper.                                                                                                   |
| WR100 paper                                             | 67 g/m <sup>2</sup>    | Plain                | 100% recycled pulp paper with the whiteness of bond paper.                                                                         |
| Green 100 paper                                         | 67 g/m <sup>2</sup>    | Plain                | 100% recycled pulp paper with minimum whiteness.                                                                                   |
| FX P Paper (Heavy weight)                               | 78 g/m <sup>2</sup>    | Plain                | Heavy weight paper for internal office documents and general business use. Suitable for 2-sided printing with minimum see-through. |
| RX60                                                    | 60 g/m <sup>2</sup>    | Plain                | Paper for internal office documents and general business use with extra whiteness.                                                 |
| RX80                                                    | 80 g/m <sup>2</sup>    |                      |                                                                                                                                    |
| RX120                                                   | 120 g/m <sup>2</sup>   | Heavyweight 1        |                                                                                                                                    |
| Transparency (Clear)<br>Product code: GAAA5224          | -                      | Transparency         | Transparencies without frames.                                                                                                     |
| Label<br>(A4 20 labels per sheet)                       | -                      | Heavyweight 1        | Self-adhesive, full-coverage labels with 20 labels per sheet.                                                                      |
| Postcard<br>(100 x 148 mm)                              | 190 g/m <sup>2</sup>   | Postcard             | Postcard and pre-paid postcard                                                                                                     |
| Pre-paid postcard<br>(200 x 148 mm)                     |                        |                      |                                                                                                                                    |
| Envelope                                                | -                      | Envelope             | Commercially available envelopes.<br>Refer to "Supported Paper Sizes and Types" (P. 57) for the supported envelope sizes.          |

## Unsupported Paper

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Do not use the following types of paper or media. They can cause paper jams or printer failure.

- Bond paper
- Coated paper
- Transparencies other than those recommended
- Ink jet paper, ink jet transparencies, or ink jet postcards
- Paper that is too heavyweight or too lightweight
- Paper pre-printed with other printer or copier
- Wrinkled, creased, or ripped paper
- Damp or wet paper
- Lumpy or curled paper
- Static-cling paper
- Pasted-up or glued paper
- Postcards with pre-printed pictures
- Specially coated paper
- Color paper with surface treatments
- Paper that is coated with anti set-off white powder (micro powder)
- Paper that has perforations
- Paper that uses ink that deteriorates with heat
- Photosensitive paper
- Carbon paper
- Paper with staples, clips, ribbons, or tape
- Paper with rough surface, such as pulp paper or fibrous paper
- Acid paper (Texts printed on acid paper may blur. In such case, use alkaline paper instead.)
- Envelopes that are with self-sealing adhesive, that are not flat, or that have clasps
- Label paper with some labels already peeled off.
- Tack film
- Water transfer paper
- Textile transfer paper

### **Important**

- If you load postcards with pre-printed pictures, the anti set-off powder sticks to the feed rolls, preventing the postcards from being fed properly.

## Storing and Handling Paper

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Paper stored in poor conditions can get deteriorated, resulting in paper jams, curled paper, image quality problems, or printer failure. Use the following guidelines when storing paper.

### Paper Storage Environment

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- Temperature: 10 - 30°C
- Relative humidity: 30 - 65%

### Paper Storage Guidelines

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- Re-wrap partly used packages of paper and store them away from humidity.
- Store paper flat. Do not store it upright.
- Store paper in a manner to avoid wrinkle, curl or creasing.
- Do not expose paper to direct sunlight.

## 4.2 Loading Paper

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This section explains how to load paper in Tray 1 (Bypass Tray) or trays 2 - 5.

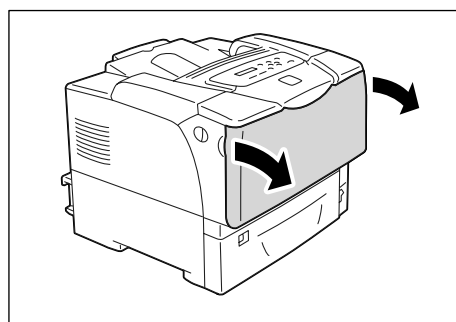
### Loading Paper in Tray 1 (Bypass Tray)

---

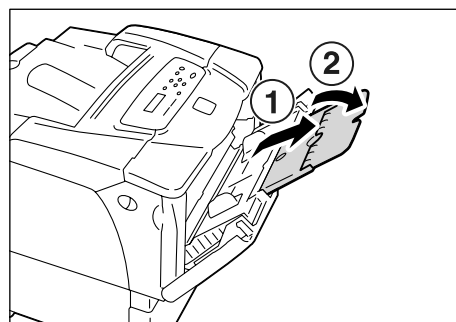
#### Important

- Load paper when the power is switched on.
- Do not load paper of different types simultaneously.
- Do not remove or add paper to Tray 1 (Bypass tray) while printing from Tray 1. Doing so can cause paper jams.
- Do not place any objects other than paper on or in Tray 1 (Bypass tray). Do not push down on the tray or apply an excessive amount of force to the tray.

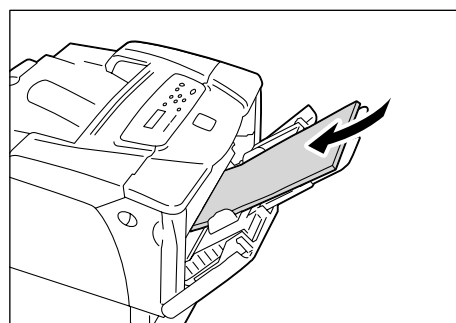
1. Pull Tray 1 open.



2. When loading long paper, extend the extension tray until it stops (until it clicks into place). If the tray is not long enough, extend it all the way.



3. Load the paper with the print side facing down.





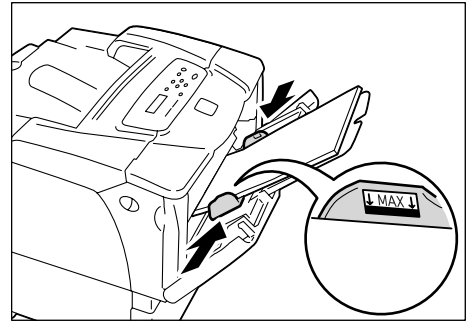
- Adjust the side paper guides to the size of the paper.

**Important**

- Make sure that the guides are positioned just lightly against the paper. Guides that are too tight or too loose can cause paper jams.

**Note**

- Do not fill paper above the maximum fill-line. Doing so can cause paper jams.



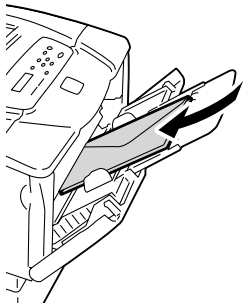
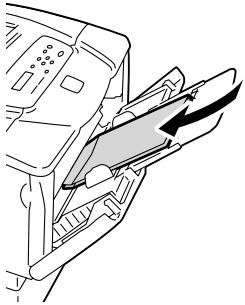
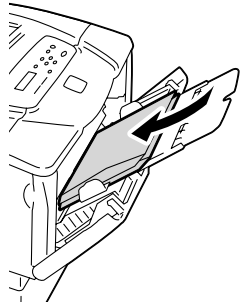
**Note**

- When printing from Tray 1 (Bypass tray), set the size and type of the paper on your print driver. For more information, refer to the online help provided for the print driver.
- When [Bypass Mode] is set to [Panel Specified] (default: [DriverSpecified]) on the control panel, or when [Paper Size] is set to an option other than [Driver] (default), set the size and type of the paper loaded in Tray 1 (Bypass tray) before requesting a print job.

The printer prints your job only when the settings on your print driver match the settings on the control panel. For more information, refer to " [Bypass Mode]" (P. 103).

## Feed Orientations for Envelopes in Tray 1 (Bypass Tray)

When loading envelopes in Tray 1 (Bypass tray), be sure to load them in the correct orientations.

| Envelopes with Adhesive Flaps                                                                                                    | Envelopes with Non-adhesive Flaps                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                             |
| Load envelopes with the address side facing down and the edge with the flaps on your right. Make sure that the flaps are closed. | Load envelopes with the address side facing down and the edge with the flaps facing toward the printer. Make sure that the flaps are completely open.<br><br><b>Note</b> <ul style="list-style-type: none"> <li>When setting the margins on your application, add length of the flap (from the top edge to the fold line) to the margin on the flap side.</li> </ul> | Load envelopes with the address side facing down and the edge with the flaps on your left. Make sure that the flaps are completely open.<br><br><b>Note</b> <ul style="list-style-type: none"> <li>When setting the margins on your application, add one-half length of the flap (from the top edge to the fold line) to the margin on the flap side.</li> </ul> |

**Important**

- For best print quality, do not use envelopes that:
  - are curled or twisted.
  - are stuck together or damaged.
  - have windows, holes, perforations, cutouts, or embossments.
  - use tie strings, metal clasps, or metal folding bars.
  - have postage stamps attached.
  - have any exposed adhesive when the flaps are in the sealed position.
  - have deckle edges or creased corners.
  - have rough, cockled, or laid finishes.

## Loading Paper in Trays 2 - 5

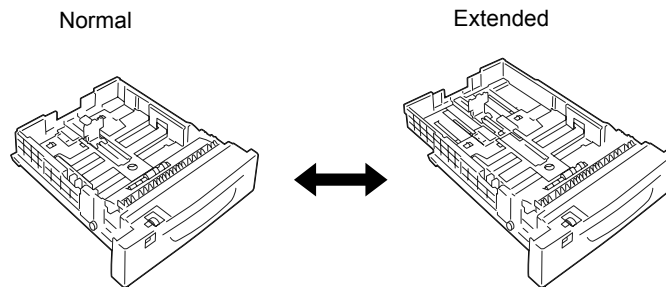
---

When loading paper longer than 14" (279.4 mm) such as B4, A3, and 11 x 17" in Tray 2, 3, 4 or 5, you must extend the tray. When the tray is extended, the extended portion projects out from the back of the printer.

A5, B5, A4, and 8.5 x 11" size paper cannot be loaded in landscape orientation when a tray is extended. When loading A5, B5, A4, or 8.5 x 11" size paper in landscape orientation, unextend the tray by pushing the extended portion back into the tray.

For instructions on how to extend or unextend a tray, refer to Steps 2 and 3 in the following procedure.

If you do not need to extend or shorten a tray, skip Steps 2 and 3.

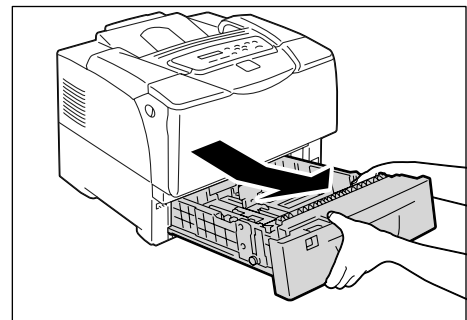


The following explains how to load paper in Tray 2. The procedure is the same also for the trays 3, 4, and 5.

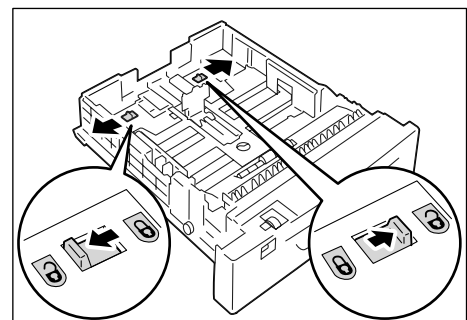
### Important

- Do not remove or add paper to the paper trays during printing. Doing so can cause paper jams.
- Make sure to load paper when the power is on.

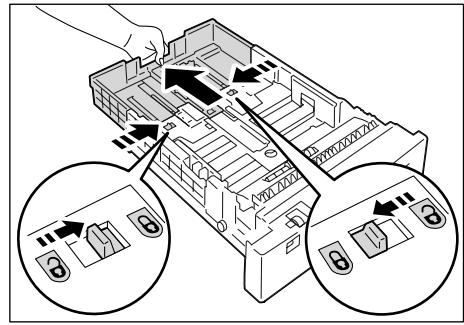
1. Pull out the tray until it stops. Hold the tray with both hands, lift it up slightly, and then pull it out completely.



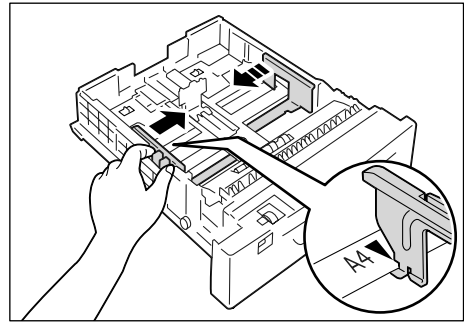
2. If you do not need to extend the tray, proceed to Step 4.  
If you need to extend the tray, release the extension lock by sliding the left and right tabs in the tray outward.



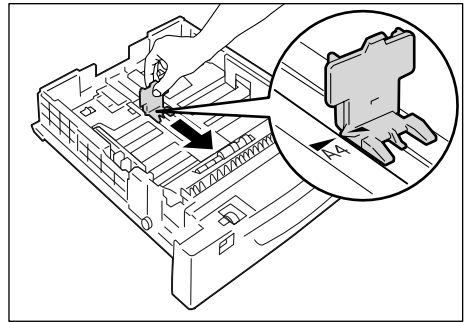
3. Extend (or shorten) the tray until the lock released in Step 2 is locked automatically.  
(Example: The tray is extended.)



4. Pinch the guide clip on the left side of the tray and slide it to the size of the paper.  
(Example: A4 landscape)



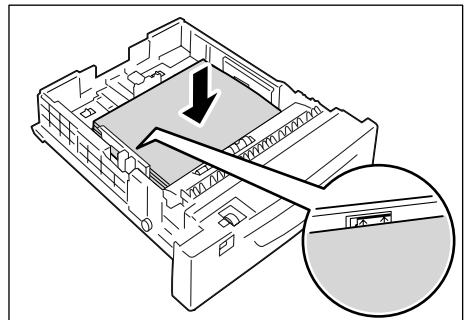
5. Pinch the rear guide clip and slide it to the size of the paper.  
Align the ► mark of the paper size with the ◄ mark on the guide.



6. Load the paper with the print side facing up.

**Note**

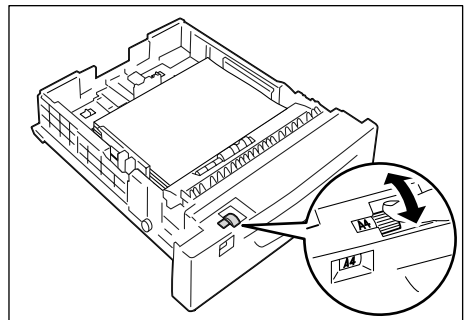
- Do not fill paper above the maximum fill-line. Doing so can cause paper jams.



7. Set the paper size dial to match the paper size loaded in the tray.

**Note**

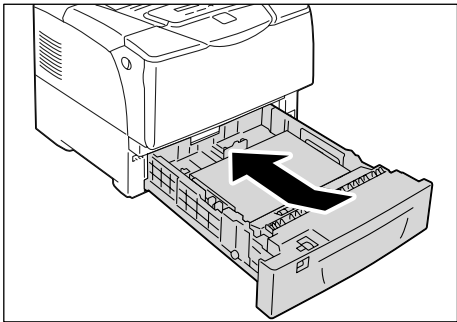
- When loading postcards, envelopes, or non-standard size paper in the tray, set the paper size dial to [\*].



- Push the tray all the way into the printer.  
If the tray is extended, the extended portion sticks out from the back of the printer.

**Important**

- When inserting the tray, be careful not to get your fingers caught between the tray and the printer or another tray (if the optional sheet feeders are installed).



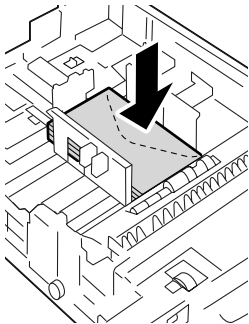
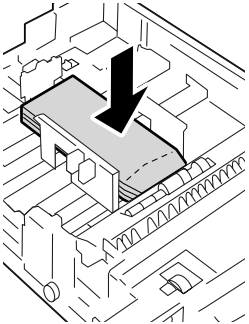
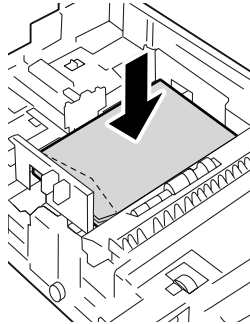
- If the display shows a message asking you to set the paper type, set the paper type loaded in the tray.

**Note**

- When setting the paper type on the control panel, press the **<▲>** or **<▼>** button to select the items and then press the **<OK/Eject>** button to confirm your selection. For information about the setting procedure on the control panel, refer to "Changing the Settings" (P. 75).

## Feed Orientations for Envelopes in Trays 2 - 5

When loading envelopes in Trays 2 - 5, be sure to load them in the correct orientations.

| Envelopes with Adhesive Flaps                                                                                                  | Envelopes with Non-adhesive Flaps                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                         |
| Load envelopes with the address side facing up and the edge with the flaps on your right. Make sure that the flaps are closed. | Load envelopes with the address side facing up and the edge with the flaps facing toward you. Make sure that the flaps are completely open.<br><br><b>Note</b> <ul style="list-style-type: none"><li>When setting the margins on your application, add length of the flap (from the top edge to the fold line) to the margin on the flap side.</li></ul> | Load envelopes with the address side facing up and the edge with the flaps on your left. Make sure that the flaps are completely open.<br><br><b>Note</b> <ul style="list-style-type: none"><li>When setting the margins on your application, add one-half length of the flap (from the top edge to the fold line) to the margin on the flap side.</li></ul> |

**Note**

- When loading envelopes in the tray, set the paper size dial to [ \* ].

**Important**

- For best print quality, do not use envelopes that:
  - are curled or twisted.
  - are stuck together or damaged.
  - have windows, holes, perforations, cutouts, or embossments.
  - use tie strings, metal clasps, or metal folding bars.
  - have postage stamps attached.
  - have any exposed adhesive when the flaps are in the sealed position.
  - have deckle edges or creased corners.
  - have rough, cockled, or laid finishes.

## Paper Sizes / Paper Types in the Trays

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If you loaded standard-size paper in the trays 2 - 5, set the size and orientation of the paper in each paper tray using the paper size dial. If you loaded non-standard-size paper into the trays 2 - 5, set the paper size dial to [\*].

If you loaded non-standard-size paper into Tray 1 (Bypass tray) or trays 2 - 5, manually set its paper size on the control panel.

The printer does not have ability to sense the type of the paper loaded in each tray. The default paper types for Tray 1 (Bypass tray) or trays 2 - 5 are [Plain Paper]. If you loaded paper other than plain paper into the trays, manually change its paper type on the control panel.

Make sure to set the paper type correctly on the control panel. If the paper type setting does not match the actual type of the paper, toner may not fuse properly onto the paper, resulting in smearing and poor print quality.

**Note**

- The paper type setting can be changed under [Paper Type] on the control panel. You can also change the paper type from your print driver when requesting a print job.
- You can program your printer not to display a message asking you to change the paper type each time you load paper into the paper trays. You can program this under [Display Screen] on the control panel.

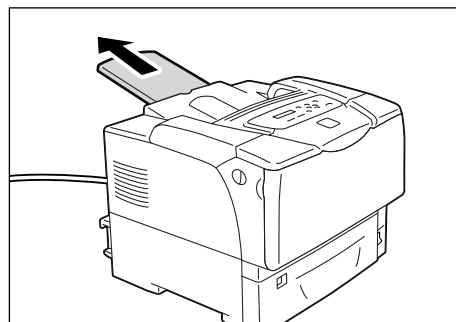
**Refer to**

- For information on how to set the paper type setting on the control panel, refer to "Changing the Paper Types of the Trays" (P. 68).
- For information on how to set a paper size on the control panel, refer to "Setting the Paper Sizes of the Trays" (P. 69).
- For information about [Paper Type] and [Display Screen], refer to "[Paper Type]" (P. 104) and "[Display Screen]" (P. 103), respectively.
- For information on how to set a paper type on your print driver, refer to "Printing by Changing the Paper Type Setting" (P. 44).

## Extending the Extension Output Tray

---




The extension output tray prevents printed output from falling off the printer. When printing documents, extend the extension output tray.

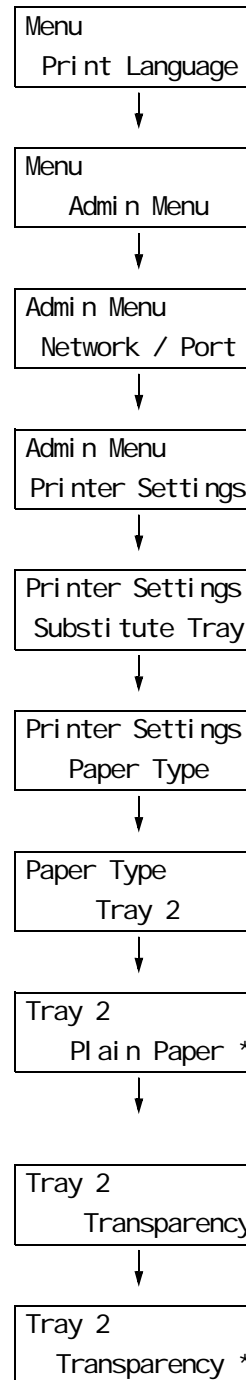


## Changing the Paper Types of the Trays

---

Use the following procedure when changing the paper types of trays 2 - 5.

1. Press the  <Menu> button on the control panel to display the menu screen.
2. Press the <▼> button until [Admin Menu] is displayed.
3. Press the <▶> button to accept the selection.  
[Network/ Port] is displayed.
4. Press the <▼> button until [Printer Settings] is displayed.
5. Press the <▶> button to accept the selection.  
[Substitute Tray] is displayed.
6. Press the <▼> button until [Paper Type] is displayed.
7. Press the <▶> button to accept the selection.  
[Tray 2] is displayed.
8. Press the <▼> button until the desired paper tray is displayed, and press the <▶> button to accept the selection.  
The current setting is displayed.
9. Press the <▼> button until the desired paper type is displayed.  
(Example: Transparency)
10. Press the  <OK/Eject> button to confirm your selection.
11. Press the  <Menu> button to return to the print screen.






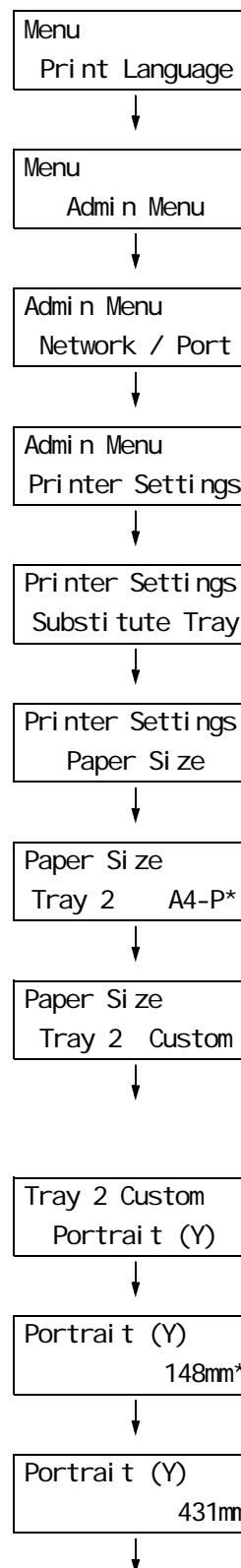
## Setting the Paper Sizes of the Trays

Use the following procedure when setting non-standard paper sizes for Tray 1 or trays 2 - 5. If you loaded non-standard-size paper into tray 2, 3, 4 or 5, set the paper size dial to [\*].

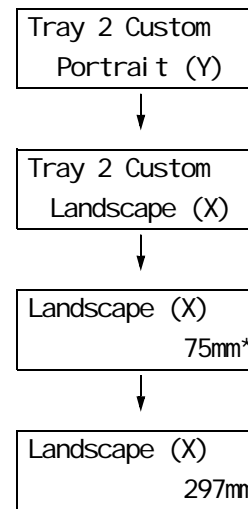
### Note

- If you changed the paper loaded in tray 2, 3, 4 or 5 from non-standard-size paper to standard-size paper, set the size of the paper with the paper size dial and not on the control panel.

- Press the  <Menu> button on the control panel to display the menu screen.
- Press the <▼> button until [Admin Menu] is displayed.
- Press the <▶> button to accept the selection. [Network/Port] is displayed.
- Press the <▼> button until [Printer Settings] is displayed.
- Press the <▶> button to accept the selection. [Substitute Tray] is displayed.
- Press the <▼> button until [Paper Size] is displayed.
- Press the <▶> button to accept the selection. [Tray 2] is displayed.
- Press the <▼> button until the desired tray is displayed. Press the <▶> button to move to the right field and then press the <▼> button. [Tray 2 Custom] is displayed.
- Press the  <OK/Eject> button to confirm your selection. [Portrait (Y)] is displayed.
- Press the <▶> button to select [Portrait (Y)]. The current setting is displayed.
- Enter the length using the <▲> or <▼> button and press the  <OK/Eject> button to confirm your entry. (Example: 431 mm)



12. After entering the length, proceed to enter the width.  
Return to [Portrait (Y)] by pressing the <◀> button.
13. Press the <▼> button.  
[Landscape (X)] is displayed.
14. Press the <▶> button to accept the selection.  
The current setting is displayed.
15. Enter the width using the <▲> or <▼> button and press the  $\text{OK}/\triangle$  <OK/Eject> button to confirm your entry.  
(Example: 297 mm)
16. If setting other trays, press the <◀> button until the screen in Step 8 is displayed, and repeat the preceding steps.  
If you are finished with the setting, press the  $\text{Menu}$  <Menu> button and return to the print screen.



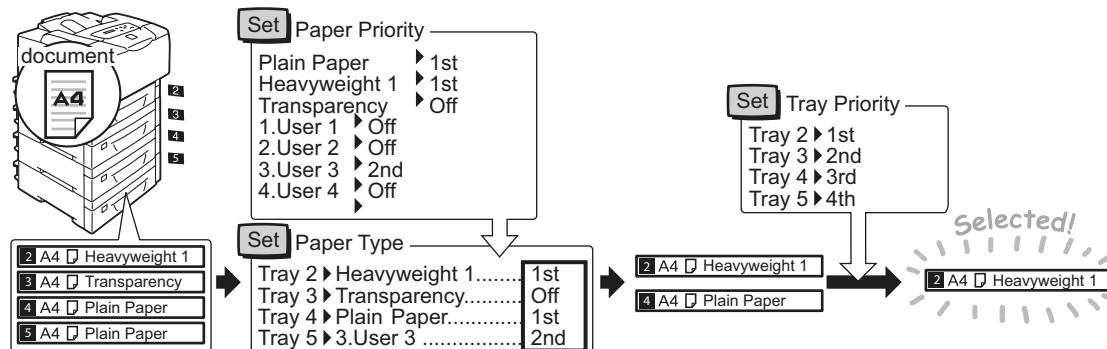


## Auto Tray Selection Feature

If you request a print job with [Paper/Output] > [Paper Source] set to [Auto] on your print driver, the printer automatically selects a paper tray based on the size and orientation of the document to be printed. This feature is called "Auto Tray Selection".

If there is more than one tray that is appropriate for the document, the printer checks the [Paper Priority] setting and selects a paper tray that contains the paper of the highest priority. If the [Paper Priority] setting is the same or [Off] for all paper types, the printer then selects a paper tray based on the [Tray Priority] setting.

For example...



### Note

- Tray 1 (Bypass tray) cannot be used for Auto Tray Selection.
- If no tray was found through Auto Tray Selection, the printer displays a message asking you to load the paper requested by the job. You can program your printer not to display this message and have the printer print the job on paper almost identical or larger than the paper requested (Substitute Tray feature).
- If a tray runs out of paper during printing, the printer automatically switches to another tray that contains the paper of the same size and orientation (Auto Tray Switch feature). The printer does not switch trays if [Paper Priority] is set to [Off].
- You can set paper types by giving them user-defined names. For example, if blue plain paper is loaded in one tray, you can name it "Plain blue" to differentiate it from other plain paper.

### Refer to

- "[Printer Settings]" (P. 102)

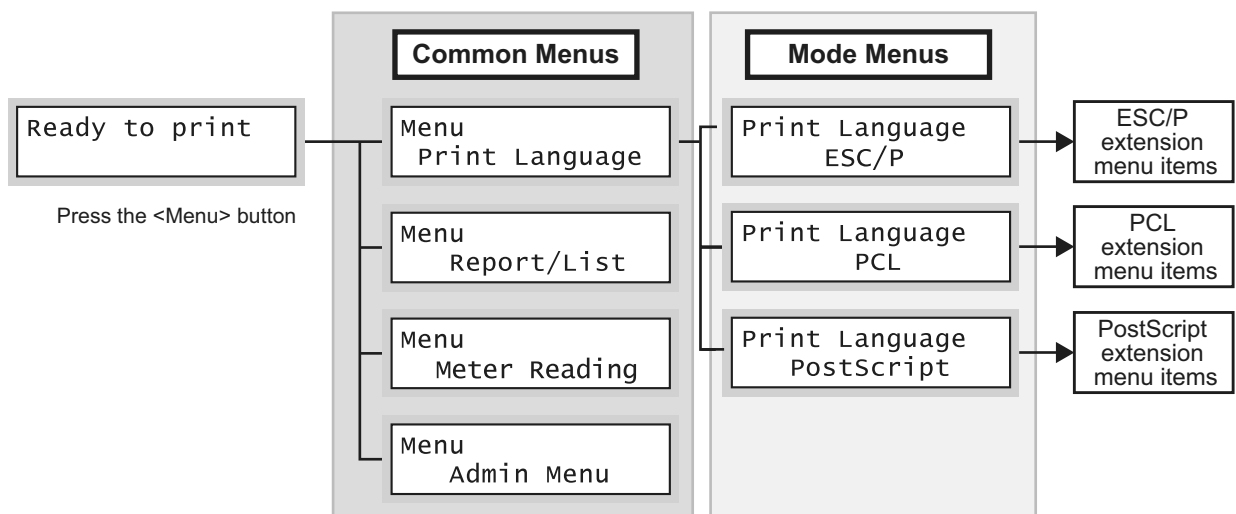


# 5 Control Panel Menus

## 5.1 Overview of the Common Menus

### Menu Structure

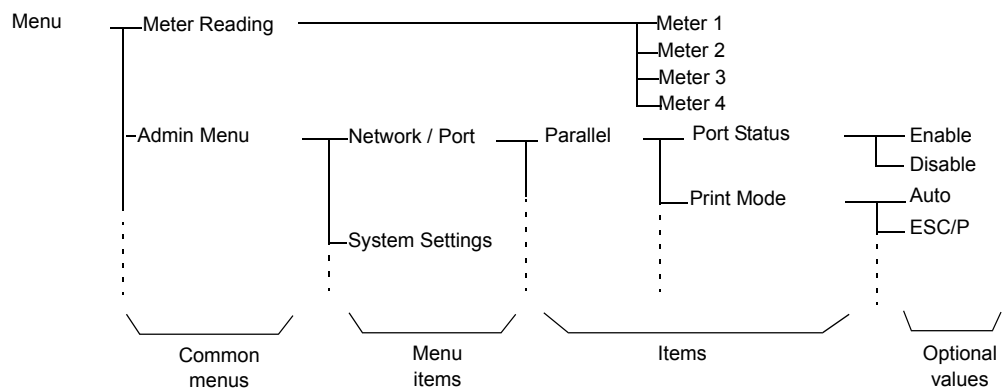
The control panel menus consist of four common menus and four mode menus. The mode menus can be accessed from [Print Language] (one of the common menus) and provide menu items specific for print language settings.



Each common menu is organized into the following structure:

- common menu > menu items > items > optional values

The following is a portion of the hierarchical structure of the common menus.



The following table describes the overview of the common menus.

| Common menu    | Description                                                                                                                                                                                                    | Reference                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Print Language | [ESC/P]<br>Sets the ESC/P emulation mode.                                                                                                                                                                      | ESC/P Emulation and PCL Emulation settings information is available on the documentation CD included with the printer. |
|                | [PCL]<br>Sets the PCL emulation mode.                                                                                                                                                                          |                                                                                                                        |
|                | [PostScript]<br>Sets the PostScript-related settings.                                                                                                                                                          | "[PostScript]" (P. 78)                                                                                                 |
| Report/List    | Prints a variety of reports/lists.                                                                                                                                                                             | "7.2 Printing Reports / Lists" (P. 145)                                                                                |
| Meter Reading  | Displays the number of printed pages to date.                                                                                                                                                                  | "Checking the Meter Reading (Meter)" (P. 160)                                                                          |
| Admin Menu     | [Network/Port]<br>Sets host interfaces and the settings required to enable their communication.                                                                                                                | "[Network/Port]" (P. 80)                                                                                               |
|                | [System Settings]<br>Sets the printer's basic functions, such as alert tones and the Power Saver feature. It also sets a password on the control panel to prevent settings from being changed unintentionally. | "[System Settings]" (P. 94)                                                                                            |
|                | [Printer Settings]<br>Sets the paper trays and the Auto Tray Selection feature.                                                                                                                                | "[Printer Settings]" (P. 102)                                                                                          |
|                | [Maintenance Mode]<br>Sets the settings for various maintenance tasks.                                                                                                                                         | "[Maintenance Mode]" (P. 109)                                                                                          |
|                | [Init/Del Data]<br>Initializes the hard disk and settings and deletes data (such as forms) stored in the printer.                                                                                              | "[Init/Del Data]" (P. 110)                                                                                             |

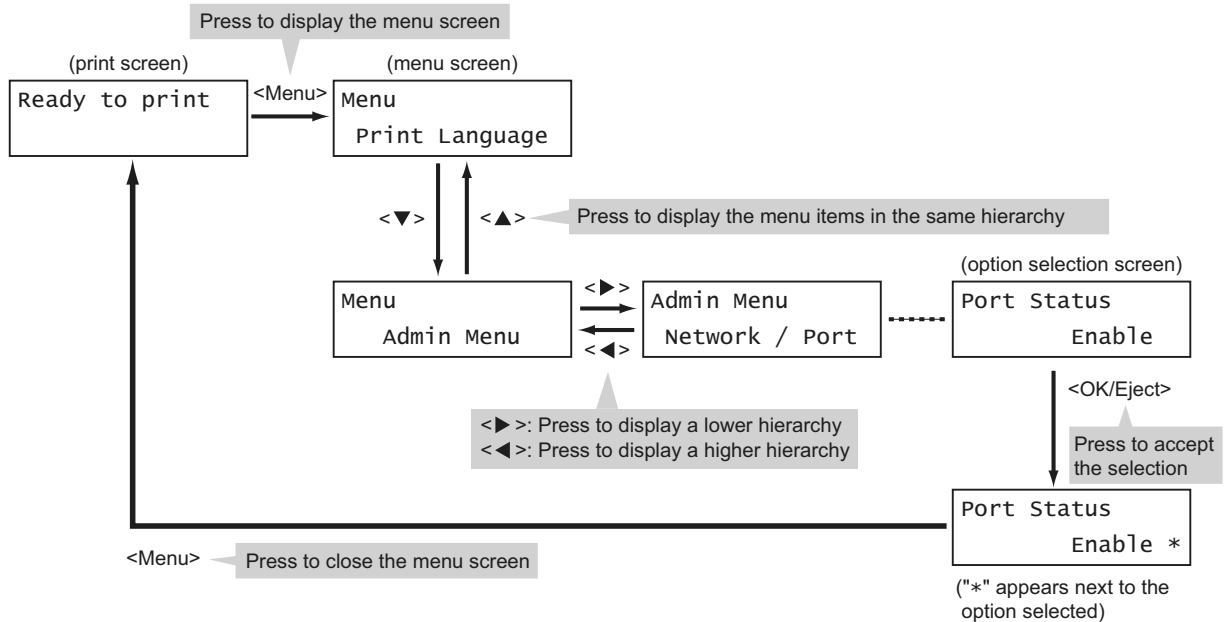
**Refer to**

- For information on how to set each menu item, refer to " Basic Procedure" (P. 75).

# Changing the Settings

## Basic Procedure

To display a menu screen or to move up and down the menus, use the following buttons on the control panel.



### Note

- Once you save a value by pressing the **OK/△** <OK/Eject> button, an asterisk "\*" appears next to the value. To change the value, return to the initial screen and repeat the preceding steps.
- If the menu screen is left idle for 3 minutes, the display returns to the print screen. Any incomplete setting on the menu screen made 3 minutes before becomes invalid.

## Resetting a Value to Its Default


To reset a value to its default, display the value and press the **<▲>** and **<▼>** buttons simultaneously. The value changes to its factory setting. To accept the value, press the **OK/△** <OK/Eject> button.

## Setting Example: Changing the Power Saver Mode Setting

---

Use the following procedure to set a value on the control panel.

In this example, we will set [Low Power Timer] (an interval at which the printer switches to the Low Power mode) to [60 Minutes].

1. Press the  <Menu> button to display the menu screen.

Menu  
Pri nt Language

2. Press the <▼> button until [Admin Menu] is displayed.

Menu  
Admi n Menu


**Note**

- If you went past the desired item, return to the item by pressing the <▲> button.

3. Press the <▶> button to accept the selection.  
Move on to the lower hierarchy.

Admi n Menu  
Network / Port

**Note**

- If you pressed the <▶> button on the wrong item, return to the previous screen by pressing the <◀> button.
- To start over from the beginning, press the  <Menu> button.

4. Press the <▼> button until [System Settings] is displayed.

Admi n Menu  
System Settings

5. Press the <▶> button to accept the selection.  
Move on to the lower hierarchy.

System Settings  
Audi o Tones

6. Press the <▼> button until [Low Power Timer] is displayed.

System Settings  
Low Power Ti mer

7. Press the <▶> button to accept the selection.  
The current set value appears.


Low Power Ti mer  
5 Mi nutes\*

8. Press the <▲> or <▼> button to display [60 Minutes].


Low Power Ti mer  
60 Mi nutes

**Note**

- Holding down the <▲> or <▼> button scrolls through the options in a circular fashion.

9. Press the  <OK/Eject> button to accept the value.

Low Power Ti mer  
60 Mi nutes\*

10. The setting is now complete.  
Press the  <Menu> button to return to the [Ready to print] screen.

Ready to print

## 5.2 Setting the Common Menus

This section describes the setting items in the common menus.

### Note

- For information on how to set the menu items, refer to "Changing the Settings" (P. 75).
- Some of the menu items can be configured also on CentreWare Internet Services. For details, refer to the online help provided for CentreWare Internet Services.
- For the entire tree list of the common menus, refer to the "Control Panel Menu Tree" at the end of this guide.

### [Print Language]

The [Print Language] menu consists of three submenus: [ESC/P], [PCL], and [PostScript].

#### [ESC/P]

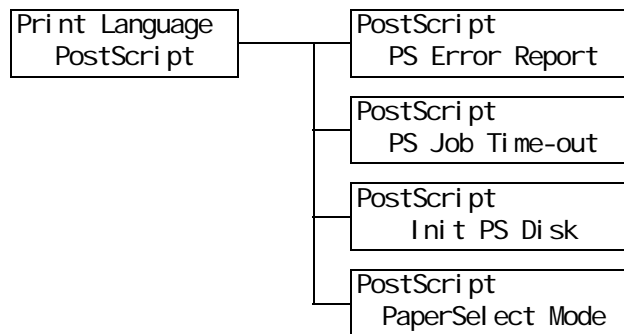
For information about the items under [ESC/P], refer to the 'ESC/P' section of the 'Printing Guide' on the Documentation CD-ROM included with the printer.

#### [PCL]

For information about the items under [PCL], refer to the 'Using PCL Emulation' section in the 'Printing Guide' on the Documentation CD-ROM included with the printer.

#### [PostScript]

Sets the settings related to PostScript.



| Setting Item    | Description                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PS Error Report | Sets whether to print an error report in case of a PostScript error. <ul style="list-style-type: none"><li>• [On] (default)</li><li>• [Off]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |



| Setting Item             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PS Job Time-out</b>   | <p>Sets the amount of time the printer waits for a print job. If a time-out occurs during data reception, the printer stops the reception and prints the data that has been received.</p> <p>Specify the time-out value in 1 minute increments.</p> <ul style="list-style-type: none"> <li>• [Off] (default)<br/>Disables the job time-out.</li> <li>• [1 Minutes] to [900 Minutes]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul> |
| <b>Init PS Disk</b>      | <p>Initializes the PostScript information stored in the hard disk.</p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• [Init PS Disk] appears only when the hard disk (optional) is installed.</li> </ul>                                                                                                                                                                                                                                                                                                  |
| <b>Paper Select Mode</b> | <p>Sets whether to enable the PostScript DMS (Deferred Media Selection) feature.</p> <ul style="list-style-type: none"> <li>• [Auto] (default)<br/>Enables the DMS feature.</li> <li>• [Select From Tray]<br/>Disables the DMS feature and selects a paper tray.</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul>                                                                                                                    |

## [Report/List]

---

Allows you to print a variety of reports/lists. For details on the reports/lists and how to print them, refer to "7.2 Printing Reports / Lists" (P. 145).

### Note

- The reports/lists that can be printed vary depending on the options installed on your printer. For details, refer to "Types of Reports / Lists" (P. 145).

## [Meter Reading]

---

Displays the number of printed pages on the control panel. For details on the meter information and how to display it, refer to "Checking the Meter Reading (Meter)" (P. 160).

## [Admin Menu]

---

The [Admin Menu] menu consists of the five submenus: [Network/Port], [System Settings], [Printer Settings], [Maintenance Mode], and [Init/Del Data].

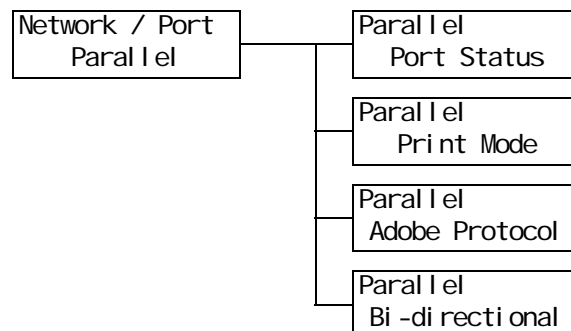
### [Network/Port]

---

Allows you to set host interfaces and the setting required to enable their communication.

#### [Parallel]

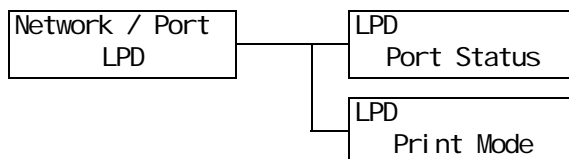
Set this when using the Parallel port.



| Setting Item          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b>    | <p>Sets whether to enable or disable the parallel port at printer start-up.</p> <ul style="list-style-type: none"> <li>• [Enable] (default)</li> <li>• [Disable]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Print Mode</b>     | <p>Sets the method of processing data (print language).</p> <ul style="list-style-type: none"> <li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li> <li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li> <li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li> </ul>                                                                                                                                                                                                                                                                                                                                       |
| <b>Adobe Protocol</b> | <p>Sets the PostScript communication protocol.</p> <ul style="list-style-type: none"> <li>• [Auto]<br/>Automatically detects the PostScript communication protocol.</li> <li>• [Standard]<br/>Select this when the communication protocol is in ASCII format.</li> <li>• [BCP]<br/>Select this when the communication protocol is in binary format.</li> <li>• [TBCP] (default)<br/>Select this when the communication protocol are both in ASCII and binary formats and switches between the two using control codes.</li> <li>• [Binary]<br/>Select this when no special processing is required for data.</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Select an appropriate option according to the data format specified on your print driver.</li> <li>• [Adobe Protocol] is valid only when printing in PostScript.</li> <li>• After changing this setting, reboot the printer.</li> </ul> |
| <b>Bi-directional</b> | <p>Sets whether to enable bi-directional parallel communication (IEEE1284).</p> <ul style="list-style-type: none"> <li>• [Enable] (default)</li> <li>• [Disable]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## [LPD]

Set this when using the LPD port.



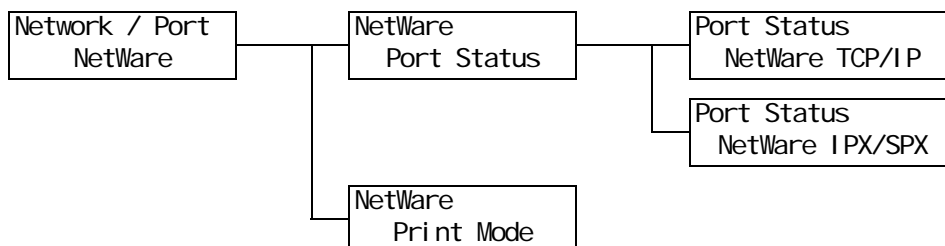
| Setting Item       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b> | <p>Sets whether to enable or disable the LPD port at printer start-up.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                                                                                                                                                                        |
| <b>Print Mode</b>  | <p>Sets the method of processing data (print language).</p> <ul style="list-style-type: none"><li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li><li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li><li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li></ul> |

## [NetWare]

Set this when using the NetWare port.

### Note

- [NetWare] appears only when the network expansion card (optional) is installed.



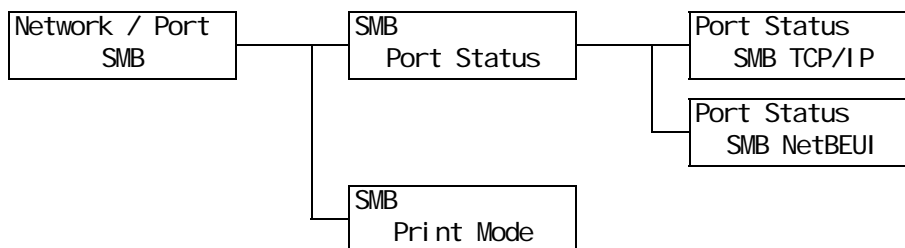
| Setting Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | <p>Sets whether to enable or disable the NetWare port at printer start-up. When [Enable] is selected, select TCP/IP or IPX/SPX.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                                                                                                               |
| Print Mode   | <p>Sets the method of processing data (print language).</p> <ul style="list-style-type: none"><li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li><li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li><li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li></ul> |

## [SMB]

Set this when using the SMB port.

### Note

- [SMB] appears only when the network expansion card (optional) is installed.



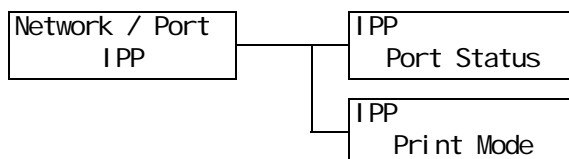
| Setting Item       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b> | <p>Sets whether to enable or disable the SMB port at printer start-up. If you selected [Enable], select also TCP/IP or NetBEUI.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                                                                                                               |
| <b>Print Mode</b>  | <p>Sets the method of processing data (print language).</p> <ul style="list-style-type: none"><li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li><li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li><li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li></ul> |

## [IPP]

Set this when using the IPP port.

### Note

- [IPP] appears only when the network expansion card (optional) is installed.



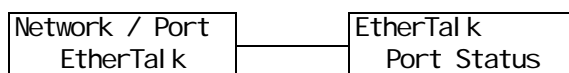
| Setting Item       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b> | Sets whether to enable or disable the IPP port at printer start-up. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                                                                                                                                                                               |
| <b>Print Mode</b>  | Sets the method of processing data (print language). <ul style="list-style-type: none"><li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li><li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li><li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li></ul> |

## [EtherTalk]

Set this when using the EtherTalk port.

### Note

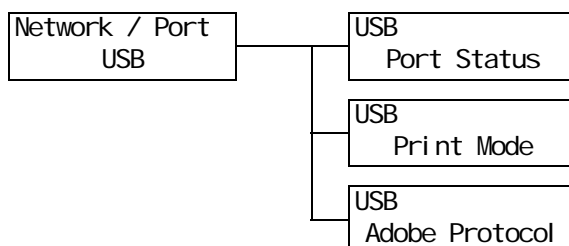
- [EtherTalk] appears only when the network expansion card (optional) is installed.



| Setting Item       | Description                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b> | Sets whether to enable or disable the EtherTalk port at printer start-up. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [USB]

Set this when using the USB port.

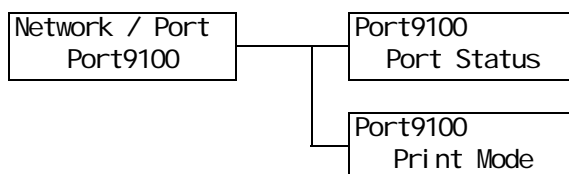


| Setting Item          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b>    | <p>Sets whether to enable or disable the USB port at printer start-up.</p> <ul style="list-style-type: none"> <li>• [Enable] (default)</li> <li>• [Disable]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Print Mode</b>     | <p>Sets the method of processing data (print language).</p> <ul style="list-style-type: none"> <li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li> <li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li> <li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li> </ul>                                                                                                                                                                                                                                                                                                                                       |
| <b>Adobe Protocol</b> | <p>Sets the PostScript communication protocol.</p> <ul style="list-style-type: none"> <li>• [Auto]<br/>Automatically detects the PostScript communication protocol.</li> <li>• [Standard]<br/>Select this when the communication protocol is in ASCII format.</li> <li>• [BCP]<br/>Select this when the communication protocol is in binary format.</li> <li>• [TBCP] (default)<br/>Select this when the communication protocol are both in ASCII and binary formats and switches between the two using control codes.</li> <li>• [Binary]<br/>Select this when no special processing is required for data.</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• Select an appropriate option according to the data format specified on your print driver.</li> <li>• [Adobe Protocol] is valid only when printing in PostScript.</li> <li>• After changing this setting, reboot the printer.</li> </ul> |



## [Port9100]

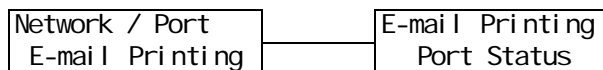
Set this when using the Port9100 port.



| Setting Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | Sets whether to enable or disable the Port9100 port at printer start-up. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                                                                                                                                                                          |
| Print Mode   | Sets the method of processing data (print language). <ul style="list-style-type: none"><li>• [Auto] (default)<br/>After receiving data from a computer, the printer automatically detects its print language and processes the data accordingly. (See *1 on P. 111.)</li><li>• [ESC/P], [PS], [PCL]<br/>After receiving data from a computer, the printer processes the data with the selected print language.</li><li>• [HexDump]<br/>Allows you to view data received from a computer by printing it in ASCII codes (hexadecimal format). (See *3 on P. 111.)</li></ul> |

## [E-mail Printing]

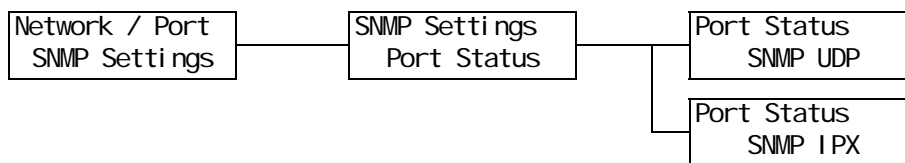
Set whether to use the E-mail Printing feature.



| Setting Item | Description                                                                                                                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | Sets whether to enable or disable the E-mail port at printer start-up. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [SNMP Settings]

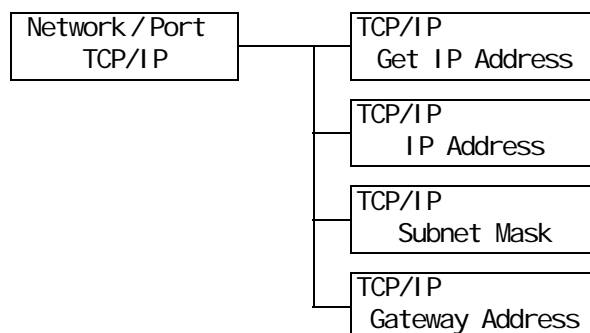
Set this when using the SNMP port. SNMP must be used when managing multiple printers remotely with an application. SNMP manages printer information and provides it to the application.



| Setting Item       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Port Status</b> | <p>Sets whether to enable or disable the SNMP port at printer start-up.<br/>If you selected [Enable], select also UDP or IPX.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• When using UDP protocol, both the printer and client computers must have IP addresses.</li><li>• [SNMP IPX] appears only when the network expansion card (optional) is installed.</li><li>• To determine which protocol (UDP or IPX) to use, refer to the manual supplied for the application.</li><li>• After changing this setting, reboot the printer.</li></ul> |

## [TCP/IP]

Set this when using the TCP/IP port.



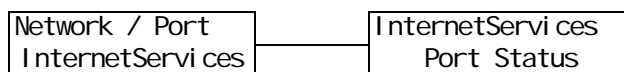
| Setting Item                                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Get IP Address</b>                           | <p>Sets the method of obtaining the information (the IP address, subnet mask, or gateway address) required to use the TCP/IP protocol.</p> <ul style="list-style-type: none"><li>• [DHCP/Autonet] (default)<br/>Automatically obtains the information from the DHCP (Dynamic Host Configuration Protocol) server that has the AutoIP feature.</li><li>• [Panel]<br/>Sets the information manually on the control panel. Consult your network administrator for the IP address number.</li><li>• [DHCP]<br/>Automatically obtains the information from the DHCP server.</li><li>• [BOOTP]<br/>Automatically obtains the information from the BOOTP.</li><li>• [RARP]<br/>Automatically obtains the information from the RARP.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |
| <b>IP Address, Subnet Mask, Gateway Address</b> | <p>Allows you to verify or manually enter the IP address.<br/>Enter the IP address in the format of:<br/>xxx.xxx.xxx.xxx<br/>For IP or gateway addresses, xxx can be any number between 0 and 255. However, the first xxx cannot be 127 or a number between 224 and 255.<br/>For subnet masks, each xxx must be one of the following numbers:<br/>0, 128, 192, 224, 240, 248, 252, 254, and 255. (See *2 on P. 111.)</p> <p><b>Important</b></p> <ul style="list-style-type: none"><li>• Make sure you set the IP address correctly. Setting the wrong address can cause problems on the network.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                            |

## [Internet Services]

Set whether to use the Internet Services port.

Selecting [Enable] allows you to use CentreWare Internet Services.

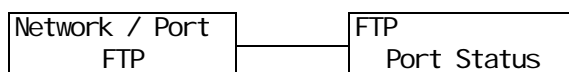
CentreWare Internet Services allows you to monitor or remotely configure the printer using a web browser on your computer.



| Setting Item | Description                                                                                                                                                                                                                                                                                             |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | <p>Sets whether to enable or disable the Internet Services port at printer start-up.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [FTP]

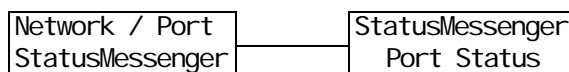
Set this when using the FTP port.



| Setting Item | Description                                                                                                                                                                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | <p>Sets whether to enable or disable the FTP port at printer start-up.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [StatusMessenger]

Set whether to use the StatusMessenger feature.



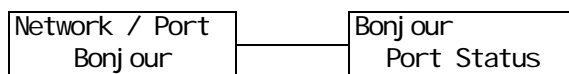
| Setting Item | Description                                                                                                                                                                                                                                                                                           |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | <p>Sets whether to enable or disable the StatusMessenger port at printer start-up.</p> <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [Bonjour]

Set whether to use the Multicast DNS feature.

### Note

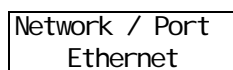
- [Bonjour] appears only when the network expansion card (optional) is installed.



| Setting Item | Description                                                                                                                                                                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status  | Sets whether to enable or disable the Bonjour port at printer start-up. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [Ethernet]

Set the settings related to the Ethernet interface.



| Setting Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet     | Sets the communication speed and connector type for the Ethernet interface. <ul style="list-style-type: none"><li>• [Auto] (default)<br/>Automatically detects 100 M (full duplex), 100 M (half duplex), 10 M (full duplex), or 10 M (half duplex).</li><li>• [10M Half Duplex]<br/>Uses 10 M (half duplex).</li><li>• [10M Full Duplex]<br/>Uses 10 M (full duplex).</li><li>• [100M Half Duplex]<br/>Uses 100 M (half duplex).</li><li>• [100M Full Duplex]<br/>Uses 100 M (full duplex).</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [IPX/SPX Frame Type]

Set the IPX/SPX frame type.

### Note

- [IPX/SPX Frame Type] appears only when the network expansion card (optional) is installed.

|                                    |
|------------------------------------|
| Network / Port<br>IPX/SPXFrameType |
|------------------------------------|

| Setting Item              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IPX/SPX Frame Type</b> | <p>Sets the IPX/SPX frame type.</p> <ul style="list-style-type: none"><li>• [Auto] (default)<br/>Automatically selects the frame type.</li><li>• [Ethernet II]<br/>Uses the Ethernet frame type.</li><li>• [Ethernet 802.3]<br/>Uses the IEEE802.3 frame type.</li><li>• [Ethernet 802.2]<br/>Uses the IEEE802.2 frame type.</li><li>• [Ethernet SNAP]<br/>Uses the SNAP frame type.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

## [Network Settings]

|                                    |                                    |
|------------------------------------|------------------------------------|
| Network / Port<br>Network Settings | Network Settings<br>Adobe Protocol |
|------------------------------------|------------------------------------|

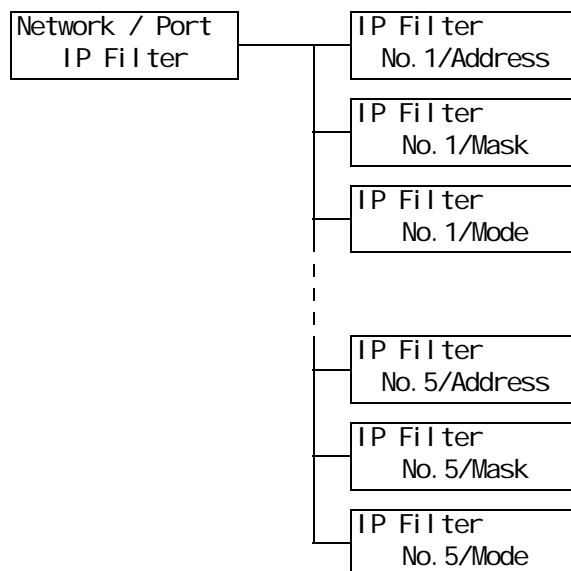
| Setting Item          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Adobe Protocol</b> | <p>Sets the Adobe communication protocol.</p> <ul style="list-style-type: none"><li>• [Auto] (default)<br/>Automatically detects the communication protocol.</li><li>• [Standard]<br/>Select this when the communication protocol is in ASCII format.</li><li>• [BCP]<br/>Select this when the communication protocol is in binary format.</li><li>• [TBCP]<br/>Select this when the communication protocol are both in ASCII and binary formats and switches between the two using control codes.</li><li>• [Binary]<br/>Select this when no special processing is required for data.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• Select an appropriate option according to the data format specified on your print driver.</li><li>• [Adobe Protocol] is valid only when printing in PostScript.</li><li>• After changing this setting, reboot the printer.</li></ul> |

## [IP Filter]

Set this when controlling data reception by IP addresses.

### Note

- [IP Filter] can be set also on CentreWare Internet Services. For details, refer to "Controlling Data Reception by IP Address" (P. 158).

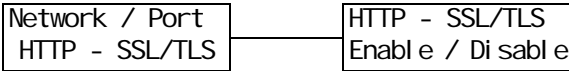


| Setting Item                            | Description                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [No.1/Address]<br>to<br>[No. 5/Address] | Enter the IP addresses using numbers between 1 and 255. The first xxx, however, cannot be 127 or a number between 224 and 255.<br>(See *2 on P. 111.)<br><br><b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                   |
| [No.1/Mask]<br>to<br>[No. 5/Mask]       | Enter the subnet masks using the following numbers:<br>0, 128, 192, 224, 240, 248, 252, 254, and 255.<br>(See *2 on P. 111.)<br><br><b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul>                                                                                                                                            |
| [No.1/Mode]<br>to<br>[No. 5/Mode]       | Sets the restriction conditions for the addresses. <ul style="list-style-type: none"><li>• [Off] (default)<br/>Disables this feature.</li><li>• [Permit]<br/>Accepts print jobs from the addresses.</li><li>• [Reject]<br/>Rejects print jobs from the addresses.</li></ul><br><b>Note</b> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

[HTTP-SSL/TLS]

Set this when encrypting HTTP communication using SSL/TLS protocol. [HTTP-SSL/TLS] appears only when a certificate is registered on the printer.

- Note**
- For details on encrypting HTTP communication and a certificate required for the printer, refer to "SSL Data Encryption for HTTP Communication" (P. 153).
  - The SSL/TLS communication feature is available only when the network expansion card (optional) is installed.



| Setting Item     | Description                                                                                                                                                                                                                                                                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable / Disable | <p>Sets whether to encrypt HTTP communication data using the SSL/TLS protocol.</p> <ul style="list-style-type: none"><li>• [Disable] (default)<br/>Disables SSL/TLS communication.</li><li>• [Enable]<br/>Enables SSL/TLS communication.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> |

[System Settings]

The [System Settings] menu allows you to set basic printer behaviors.

[Audio Tones]

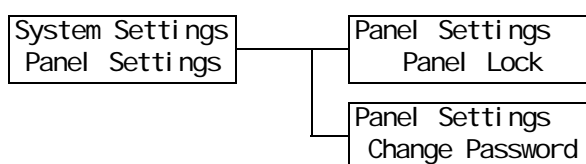
Sets the audio tones that indicate various printer conditions such as errors.









| Setting Item           | Description                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control Panel</b>   | Sets whether or not to generate an audio tone when the correct button is pressed on the control panel.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                                                  |
| <b>Invalid Key</b>     | Sets whether or not to generate an audio tone when the wrong button is pressed on the control panel, or when an operation is attempted during an error.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul> |
| <b>Machine Ready</b>   | Sets whether or not to generate an audio tone to inform you that the printer is ready to print (such as right after powering on).<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                       |
| <b>Job Complete</b>    | Sets whether or not to generate an audio tone when a job finishes successfully.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                                                                         |
| <b>Fault Tone</b>      | Sets whether or not to generate an audio tone when a job finishes abnormally.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                                                                           |
| <b>Alert Tone</b>      | Sets whether or not to generate an audio tone when a fault (such as a paper jam) occurs and a job is held in a fault state.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                             |
| <b>Out of Paper</b>    | Sets whether or not to generate an audio tone when the printer runs out of paper and a job is held in a fault state.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                                    |
| <b>Low Toner Alert</b> | Sets whether or not to generate an audio tone when the print cartridge needs to be replaced.<br><ul style="list-style-type: none"> <li>• [On] (default)</li> <li>• [Off]</li> </ul>                                                            |
| <b>Base Tone</b>       | Sets whether or not to generate an audio tone when a button, which toggles between different options when pressed repeatedly, is pressed.<br><ul style="list-style-type: none"> <li>• [Off] (default)</li> <li>• [On]</li> </ul>               |

## [Panel Settings]

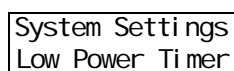


| Setting Item           | Description                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Panel Lock</b>      | Sets a password to control access to the menus. <ul style="list-style-type: none"> <li>• [Off] (default)</li> <li>• [On]</li> </ul>                                                                                                                                                                                                                                                                    |
| <b>Change Password</b> | Allows you to change the password. Enter a new password (4-digit number). The password takes effect when the first and second entries match. (default: [0000]) <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• [Change Password] is valid only if [Panel Lock] is set to [On].</li> <li>• If the first and second entries do not match, your new password will not be accepted.</li> </ul> |

### Note

- If you have forgotten the password, switch the printer off and restore the password to the default.
  - 1) Switch the printer on while holding down the  <Menu> button. Keep holding down the button until "Reset Password. Reset?" appears on the control panel.
  - 2) Release the  <Menu> button and press the **OK** /  <OK/Eject> button.
  - 3) Press the **<Left>** button to select [Yes], and then press the **OK** /  <OK/Eject> button. The password is restored to the default.

## [Low Power Timer]



| Setting Item           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Low Power Timer</b> | Sets the amount of time before the printer enters the Low Power mode. Specify the value in 1 minute increments. (See *2 on P. 111.) <ul style="list-style-type: none"> <li>• [1 Minutes] to [60 Minutes] (default: [3 Minutes])</li> </ul> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "2.4 Setting/Exiting the Power Saver Modes" (P. 27)</li> <li>• "Setting Example: Changing the Power Saver Mode Setting" (P. 76)</li> </ul> |

## [Sleep Mode]

|                 |
|-----------------|
| System Settings |
| Sleep Mode      |

| Setting Item      | Description                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sleep Mode</b> | Consumes less electricity than the Low Power mode. Set whether or not to enable this feature. <ul style="list-style-type: none"><li>• [Enable] (default)</li><li>• [Disable]</li></ul> <b>Refer to</b> <ul style="list-style-type: none"><li>• "2.4 Setting/Exiting the Power Saver Modes" (P. 27)</li><li>• "Setting Example: Changing the Power Saver Mode Setting" (P. 76)</li></ul> |

## [Sleep Mode Timer]

|                  |
|------------------|
| System Settings  |
| Sleep Mode Timer |

| Setting Item            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sleep Mode Timer</b> | Sets the amount of time before the printer enters the Sleep mode from the Low Power mode. Specify the value in 1 minute increments. (See *2 on P. 111.) <ul style="list-style-type: none"><li>• [1 Minutes] to [120 Minutes] (default: [5 Minutes])</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• This setting is valid only if [Sleep Mode] is set to [Enable].</li></ul> <b>Refer to</b> <ul style="list-style-type: none"><li>• "2.4 Setting/Exiting the Power Saver Modes" (P. 27)</li><li>• "Setting Example: Changing the Power Saver Mode Setting" (P. 76)</li></ul> |

## [Time-out]

|                 |
|-----------------|
| System Settings |
| Time-out        |

| Setting Item    | Description                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Time-out</b> | Sets the amount of time the printer waits for a print job. If a time-out occurs during data reception, the printer stops the reception and prints the data that has been received.<br>Specify the time-out value in 1 second increments. <ul style="list-style-type: none"><li>• [Off]<br/>Disables the time-out function.</li><li>• [5 Seconds] to [300 Seconds] (default: [30 Seconds])</li></ul> |

## [Auto Job History]

System Settings  
AutoJob Hi story

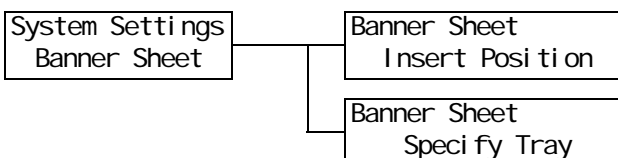
| Setting Item            | Description                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Auto Job History</b> | <p>Sets whether to automatically print a report on the completed print jobs ([Job History Report]).</p> <ul style="list-style-type: none"> <li>• [Off] (default)<br/>Does not automatically print the [Job History Report].</li> <li>• [On]<br/>Automatically prints the [Job History Report] when the number of jobs processed reaches 22.</li> </ul> |

## [2 Sided Report]

System Settings  
2 Si ded Report

| Setting Item          | Description                                                                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2 Sided Report</b> | <p>Sets whether to print the reports/lists 1-sided or 2-sided.</p> <ul style="list-style-type: none"> <li>• [1 Sided] (default)</li> <li>• [2 Sided]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• [2 Sided Report] appears only when the duplex unit (optional) is installed.</li> </ul> |

## [Banner Sheet]



| Setting Item           | Description                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Position</b> | <p>Sets whether to insert banner sheets.</p> <ul style="list-style-type: none"> <li>• [Off] (default)<br/>Does not insert banner sheets.</li> <li>• [Start Sheet]<br/>Inserts a banner sheet at the beginning of a document.</li> <li>• [End Sheet]<br/>Inserts a banner sheet at the end of a document.</li> <li>• [Start &amp; End]<br/>Inserts banner sheets at the beginning and end of a document.</li> </ul> |
| <b>Specify Tray</b>    | <p>Sets the paper tray to be used for printing banner sheets.</p> <ul style="list-style-type: none"> <li>• [Tray 3] to [Tray 2] (default: [Tray 3])</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• [Specify Tray] displays only the names of the trays installed on the printer.</li> </ul>                                                                                                |

## [Toner Life]

System Settings  
Toner Life

| Setting Item      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toner Life</b> | <p>Sets whether to stop printing when the print cartridge is low on toner.</p> <p>When the remaining toner in the print cartridge becomes low, the following message appears, advising you to replace the print cartridge:<br/>[Toner Cartridge, Replace soon].</p> <p>You can program the printer to continue or stop printing after the warning message by selecting [CONTINUE PRINT] or [STOP PRINT] on the control panel.</p> <ul style="list-style-type: none"><li>• [Continue Print] (default)<br/>The printer continues printing even if the toner is low. You are advised to replace the cartridge as you may experience poor print quality.</li><li>• [Stop Print]<br/>Your printer stops printing after printing about 100 more pages, and another warning message appears, stating that the cartridge needs to be replaced. If the message appears, the printer cannot print unless you replace the print cartridge.</li></ul> <p><b>NOTE:</b> The number of pages that can be printed after the warning message appears is only a reference. This value is based on Xerox's standard document model, and may be different from the actual number of pages.</p> |

## [mm/inch]

System Settings  
mm/inch

| Setting Item   | Description                                                                                                                                                                                                                                                                          |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>mm/inch</b> | <p>Sets the unit of measure for length that will be displayed or entered on the control panel.</p> <ul style="list-style-type: none"><li>• [Millimeters (mm)] (default)<br/>Indicates length in millimeters (mm).</li><li>• [Inch (")]<br/>Indicates length in inches (").</li></ul> |

## [Overwrite HDD]

### Note

- [Overwrite HDD] appears only when the internal hard disk (optional) is installed.

|                                  |
|----------------------------------|
| System Settings<br>Overwrite HDD |
|----------------------------------|

| Setting Item  | Description                                                                                                                                                                                                                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overwrite HDD | Sets whether to overwrite the data stored in the internal hard disk (optional) when the internal hard disk is installed. If overwriting the data, set the number of times to overwrite the data to either once or three times. <ul style="list-style-type: none"><li>• [3 Overwrites] (default)</li><li>• [1 Overwrite]</li><li>• [Off]</li></ul> |

## [Print Auditron]

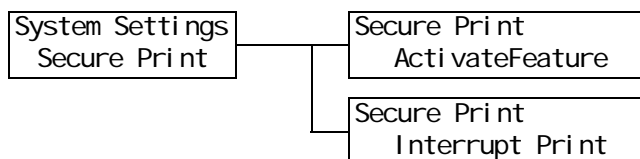
|                                   |
|-----------------------------------|
| System Settings<br>Print Auditron |
|-----------------------------------|

| Setting Item   | Description                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print Auditron | Sets whether or not to enable the Print Auditron feature. <ul style="list-style-type: none"><li>• [Off] (default)</li><li>• [On]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• After changing this setting, reboot the printer.</li></ul> <p><b>Refer to</b></p> <ul style="list-style-type: none"><li>• "7.8 Authentication and Auditron Administration Features" (P. 162)</li></ul> |

## [Secure Print]

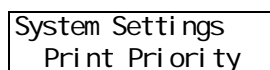
### Note

- [Secure Print] appears only when the hard disk (optional) is installed.



| Setting Item            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Activate Feature</b> | <p>Sets whether to permit printing of Secure/Sample Print jobs from the control panel.</p> <ul style="list-style-type: none"> <li>• [Enable] (default)<br/>Permits users to print Secure/Sample Print jobs from the control panel.</li> <li>• [Disable]<br/>Does not permit users to print Secure/Sample Print jobs from the control panel.</li> </ul>                                                                                                                                            |
| <b>Interrupt Print</b>  | <p>Sets whether to give priority to a Secure/Sample Print job over other jobs.</p> <ul style="list-style-type: none"> <li>• [On] (default)<br/>Suspends the print job that is currently being printed and prints a Secure/Sample Print job.</li> <li>• [Off]<br/>Prints a Secure/Sample Print job after the print job being printed.</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• [Interrupt Print] appears only when [Activate Feature] is set to [Enable].</li> </ul> |

## [Print Priority]



| Setting Item          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Print Priority</b> | <p>Sets the print priority condition for Secure/Sample Print jobs. This setting is valid only if [Interrupt Print] is set to [On].</p> <ul style="list-style-type: none"> <li>• [Disable] (default)<br/>Does not limit the number of pages of Secure/Sample Print jobs that can be stored in the memory and gives them priority over other jobs. Interrupt printing will not be performed unless the printer has sufficient memory to store interrupt print jobs.</li> <li>• [Enable]<br/>Limits the number pages of Secure/Sample Print jobs that can be stored in the memory to 3 pages to minimize the time used for interrupt printing.</li> </ul> |

## [Printer Settings]

The [Printer Settings] menu allows you to set print density, paper trays, and the Auto Tray Selection feature.

### [Density]

Printer Settings  
Density

| Setting Item   | Description                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Density</b> | Sets the print density. <ul style="list-style-type: none"><li>• [Normal] (default)<br/>Prints documents at standard density.</li><li>• [Darken +1]<br/>Prints documents at slightly dark density.</li><li>• [Darken +2]<br/>Prints documents at dark density.</li><li>• [Lighten +2]<br/>Prints documents at light density.</li><li>• [Lighten +1]<br/>Prints documents at slightly light density.</li></ul> |

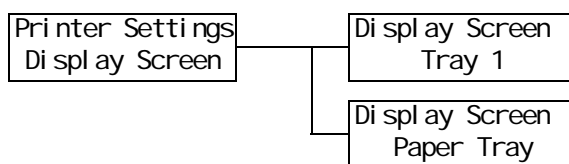
### [Substitute Tray]

Printer Settings  
Substitute Tray

| Setting Item           | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Substitute Tray</b> | Sets whether to switch to another paper tray if the paper tray selected by Auto Tray Selection runs out of paper. If using this feature, set the paper size for the substitute tray. <ul style="list-style-type: none"><li>• [Off] (default)<br/>Does not substitute the tray, and displays a message asking to load paper into the paper tray.</li><li>• [Larger Size]<br/>Switches to another paper tray that contains the paper that is one size larger than the size requested, and prints documents at 100% zoom ratio.</li><li>• [Closest Size]<br/>Switches to another paper tray that contains the paper of the size closest to the size requested, and prints documents at a reduced zoom ratio if necessary.</li><li>• [Bypass Feed]<br/>Switches to Tray 1 (Bypass tray) and prints documents on the paper loaded in Tray 1 (Bypass tray).</li></ul> <b>Note</b> <ul style="list-style-type: none"><li>• These settings will be overridden by requests sent from computers.</li></ul> |

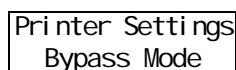


## [Display Screen]



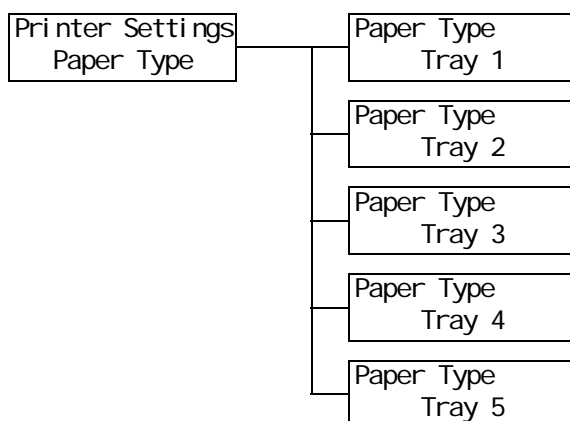
| Setting Item                   | Description                                                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tray 1</b><br>(Bypass tray) | Sets whether to display a screen to prompt for a paper type every time paper is loaded in Tray 1 (Bypass tray). <ul style="list-style-type: none"><li>• [No]</li><li>• [Yes] (default)</li></ul> |
| <b>Paper Tray</b>              | Sets whether to display a screen to prompt for a paper type every time paper is loaded in the paper trays. <ul style="list-style-type: none"><li>• [No] (default)</li><li>• [Yes]</li></ul>      |

## [Bypass Mode]



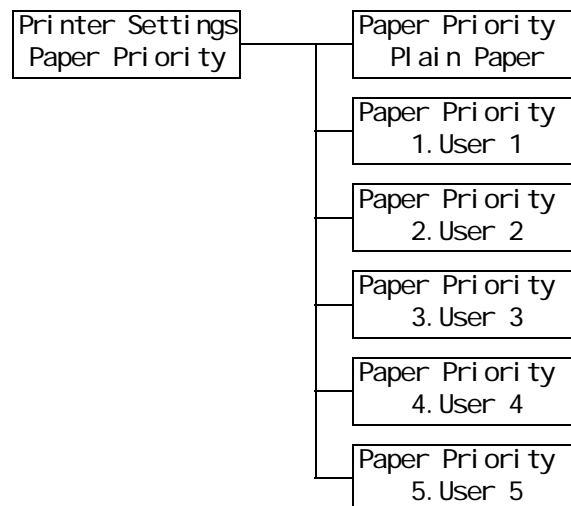
| Setting Item       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bypass Mode</b> | Sets how to specify a paper size and type for Tray 1 (Bypass tray). <ul style="list-style-type: none"><li>• [Panel Specified]<br/>Allows users to specify a paper size and type on the control panel. Documents will be printed only when the values specified on your print driver and those on the control panel match.</li><li>• [Driver Specified] (default)<br/>Does not allow users to specify a paper size or type on the control panel. A document is printed based on the paper size and type specified on your print driver.</li></ul> |

## [Paper Type]



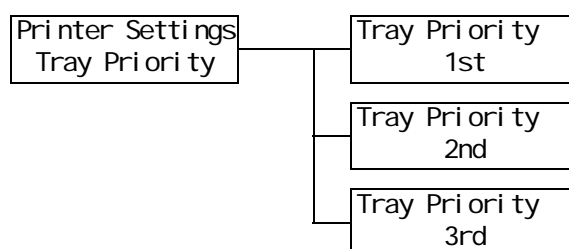
| Setting Item                    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tray 1<br/>(Bypass Tray)</b> | <p>Sets the type of the paper loaded in Tray 1.</p> <ul style="list-style-type: none"> <li>[Plain Paper] (default), [Transparency], [Heavyweight 1], [Heavyweight 2], [1. User 1] - [5. User 5]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>[Tray 1] appears only when [Bypass Mode] is set to [Panel Specified].</li> <li>[1. User 1] to [5. User 5] display the names specified under [Paper Name].</li> </ul>              |
| <b>Tray 2</b>                   | <p>Sets the type of the paper loaded in Tray 2.</p> <ul style="list-style-type: none"> <li>[Plain Paper] (default), [Transparency], [Heavyweight 1], [Heavyweight 2], [1. User 1] - [5. User 5]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>[1. User 1] to [5. User 5] display the names specified under [Paper Name].</li> </ul>                                                                                             |
| <b>Tray 3 to Tray 5</b>         | <p>Sets the types of the paper loaded in Trays 3 to 5</p> <ul style="list-style-type: none"> <li>[Plain Paper] (default), [Transparency], [Heavyweight 1], [Heavyweight 2], [1. User 1] - [5. User 5]</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>The display only shows the trays that are actually installed on the printer.</li> <li>[1. User 1] to [5. User 5] display the names specified under [Paper Name].</li> </ul> |

## [Paper Priority]



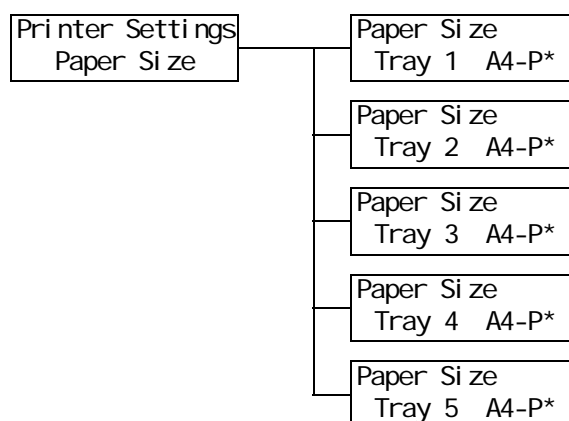
| Setting Item                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plain Paper,<br/>User 1 to User 5</b> | <p>Sets the priority order of paper types. This setting will be used by the Auto Tray Selection feature. By default, [Plain Paper] is set to [1].</p> <ul style="list-style-type: none"><li>• [1] to [6]<br/>Sets the priority order of paper types.</li><li>• [Off]<br/>Does not set the priority order of paper types.</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• [1. User 1] to [5. User 5] display the names specified under [Paper Name].</li><li>• You can assign the same priority order to different paper types. In such case, the printer selects a tray based on the [Tray Priority] setting.</li></ul> <p><b>Refer to</b></p> <ul style="list-style-type: none"><li>• " Auto Tray Selection Feature" (P. 71)</li></ul> |

## [Tray Priority]



| Setting Item      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2nd to 5th</b> | <p>Sets the priority order of the paper trays. This setting will be used by the Auto Tray Selection feature. You cannot assign a priority order to Tray 1 (Bypass Tray).</p> <ul style="list-style-type: none"> <li>[Tray 2] to [Tray 5]<br/>Sets the priority order of the paper trays. By default, the priority order of the trays are:<br/>tray 2, tray 3, tray 4, and tray 5</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>You cannot assign the same priority to more than one tray. The [3rd] tray must be a tray other than the [2nd] tray, and the [4th] tray must be a tray other than the [2nd] and [3rd] trays. The remaining tray will be the [5th] tray.</li> <li>[Tray Priority] appears only when the optional sheet feeders are installed.</li> </ul> |

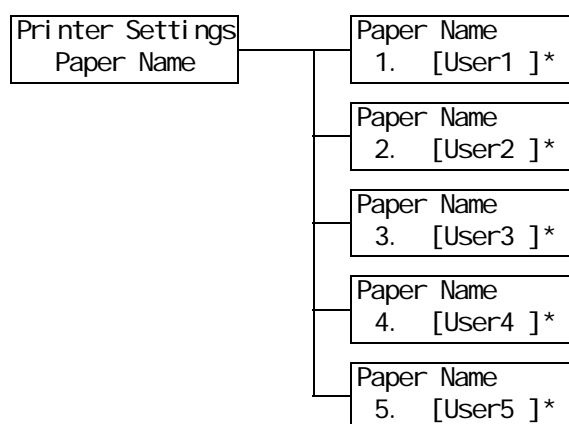
## [Paper Size]



| Setting Item                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Tray 2] to [Tray 5]</b> | <p>Sets the paper size of the paper loaded in each paper tray.</p> <ul style="list-style-type: none"> <li>[A4-P] (default), [11x17], [8.5x13], [8.5x14], [7.2x10.5], [5.5x8.5], [8.5x11], [4.1x9.5], [3.9x7.5], [110x220mm], [162x229mm], [100x148mm], [148x200mm], [120x235mm], [105x235mm]</li> <li>[Custom]<br/>Sets the length and width of the paper.<br/>When [Custom] is selected, set the orientation of the paper to [Portrait (Y)] or [Landscape (X)].</li> </ul> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>The display only shows the trays that are actually installed on the printer.</li> <li>For details on how to set custom paper sizes, refer to "Changing the Paper Types of the Trays" (P. 68).</li> </ul> |

| Setting Item                      | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[Tray 1]<br/>(Bypass Tray)</b> | <p>Sets the paper size for Tray 1.</p> <ul style="list-style-type: none"> <li>• [A3], [B4], [A4-P], [A4-L], [Driver] (default), [B5], [A5], [11x17], [8.5x13], [8.5x14], [7.2x10.5], [5.5x8.5], [8.5x11], [4.1x9.5], [3.9x7.5], [110x220mm], [162x229mm], [100x148mm], [148x200mm], [120x235mm], [105x235mm]</li> <li>• [Custom]</li> </ul> <p>Sets the length and width of the paper loaded in Tray 1.<br/>When [Custom] is selected, set the print orientation to [Portrait (Y)] or [Landscape (X)].</p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>• For details on how to set custom paper sizes, refer to "Changing the Paper Types of the Trays" (P. 68).</li> </ul> |

## [Paper Name]



| Setting Item                          | Description                                                                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>[1. User 1] to<br/>[5. User 5]</b> | <p>Sets the names for [1. User 1] to [5. User 5] that are displayed under [Paper Type] and [Paper Priority].</p> <p>Up to 8 alphanumeric characters can be used for a name.<br/>(See *2 and *4 No 1, 2, 3, 4 on P. 111.)</p> |

## [Print ID]

|                  |
|------------------|
| Printer Settings |
| Print ID         |

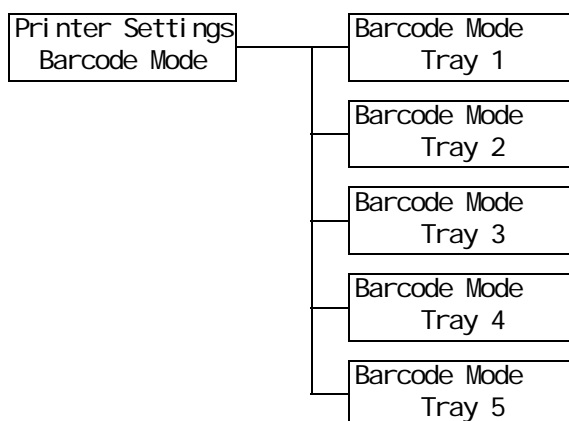
| Setting Item    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Print ID</b> | <p>Prints a user ID on the specified location.</p> <ul style="list-style-type: none"><li>• [Off] (default)<br/>Does not print a user ID.</li><li>• [Top Left]<br/>Prints a user ID on the top left corner of paper.</li><li>• [Top Right]<br/>Prints a user ID on the top right corner of paper.</li><li>• [Bottom Left]<br/>Prints a user ID on the bottom left corner of paper.</li><li>• [Bottom Right]<br/>Prints a user ID on the bottom right corner of paper.</li></ul> |

## [Size Conflict]

|                  |
|------------------|
| Printer Settings |
| Size Conflict    |

| Setting Item         | Description                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Size Conflict</b> | <p>Sets the action to be taken if the specified output size does not match the size of the paper loaded in the requested paper tray.</p> <ul style="list-style-type: none"><li>• [Force Print] (default)<br/>Force-prints a job using the requested paper tray.</li><li>• [Check Paper Size]<br/>Prompts you to load paper of the size you specified.</li></ul> |

## [Barcode Mode]

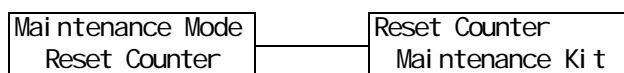


| Setting Item                | Description                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tray 1 (Bypass Tray)</b> | Sets whether to enable or disable the barcode mode of Tray 1. <ul style="list-style-type: none"><li>• [Off] (default)</li><li>• [On]</li></ul>                                                                                                                                                             |
| <b>Tray 2</b>               | Sets whether to enable or disable the barcode mode of the tray 2. <ul style="list-style-type: none"><li>• [Off] (default)</li><li>• [On]</li></ul>                                                                                                                                                         |
| <b>Tray 3 to Tray 5</b>     | Sets whether to enable or disable the barcode modes of the trays 3 - 5. <ul style="list-style-type: none"><li>• [Off] (default)</li><li>• [On]</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• The display only shows the trays that are actually installed on the printer.</li></ul> |

## [Maintenance Mode]

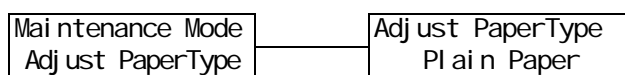
The [Maintenance Mode] menu allows you to perform maintenance tasks.

### [Reset Counter]



| Setting Item           | Description                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Maintenance Kit</b> | Resets the counter after you replaced the maintenance kit (regular replacement part). Resetting the counter clears the message prompting you to replace the maintenance kit.<br>The maintenance kit includes the following: <ul style="list-style-type: none"><li>• Fuser unit</li><li>• Transfer roll</li><li>• Feed rolls for Tray 2</li><li>• Feed roll and retard roll assy for Tray 1 (Bypass tray)</li></ul> |

## [Adjust Paper Type]



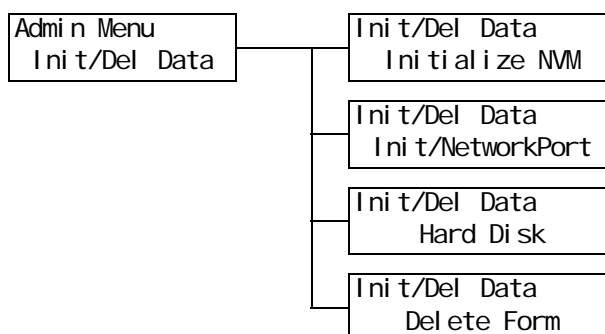
| Setting Item       | Description                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Plain Paper</b> | Sets the type of plain paper. <ul style="list-style-type: none"> <li>• [Light]</li> <li>• [Heavy] (default)</li> </ul> |

## [Init/Del Data]

The [Init/Del Data] menu allows you to initialize the settings stored in the NV memory, network ports, and hard disk, and delete data such as forms registered on the printer.

### Note

- Executing initialization returns the settings to their default values.



| Setting Item             | Description                                                                                                                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Initialize NVM</b>    | Initializes the NV memory. All settings return to the defaults.<br><b>Note</b> <ul style="list-style-type: none"> <li>• The NV memory is nonvolatile memory that retains the settings of the printer even when its power is switched off.</li> <li>• After changing this setting, reboot the printer.</li> </ul> |
| <b>Init/Network Port</b> | Initializes the network/port settings (P. 80).<br><b>Note</b> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> </ul>                                                                                                                                               |
| <b>Hard Disk</b>         | Initializes the hard disk.<br><b>Note</b> <ul style="list-style-type: none"> <li>• After changing this setting, reboot the printer.</li> <li>• [Hard Disk] appears only when the hard disk (optional) is installed.</li> </ul>                                                                                   |
| <b>Delete Form</b>       | Deletes the ESC/P forms registered on the printer. <ul style="list-style-type: none"> <li>• [Delete ESCP Form]</li> </ul><br><b>Note</b> <ul style="list-style-type: none"> <li>• [Not registered] is displayed if no form is registered.</li> </ul>                                                             |



- \*1 When [Auto] is selected, data will be deleted if the print language automatically selected is not present or is unavailable on the printer.
- \*2 Holding down the <▲> or <▼> button scrolls through the options in a circular fashion. Pressing the <▲> and <▼> buttons simultaneously displays the default values.
- \*3 The following information is printed in each line during dump printing:
- |                  |                                                                                                                         |
|------------------|-------------------------------------------------------------------------------------------------------------------------|
| Count            | Prints the total number of bytes counted from the beginning of data.                                                    |
| Hexadecimal code | Prints data every 4 bytes in hexadecimal format.                                                                        |
| ASCII code       | Prints data using JIS X 0201 8-bit coded characters. Characters that are not defined in JIS X 0201 are printed as "UD". |

\*4 Character List

| No. | Type      | Characters                                           |
|-----|-----------|------------------------------------------------------|
| 1   | Blank     | Space                                                |
| 2   | Alphabets | ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz |
| 3   | Numerals  | 0123456789                                           |
| 4   | Symbols   | !"#\$%&'()*+,-./:;<=>?@[\\]^_`                       |



# 6 Troubleshooting

If you encounter a problem while using this printer and have trouble solving the problem, see if any of the symptoms in the following pages matches your problem.

If your problem is described in the following pages, apply the suggested solution provided for the problem.

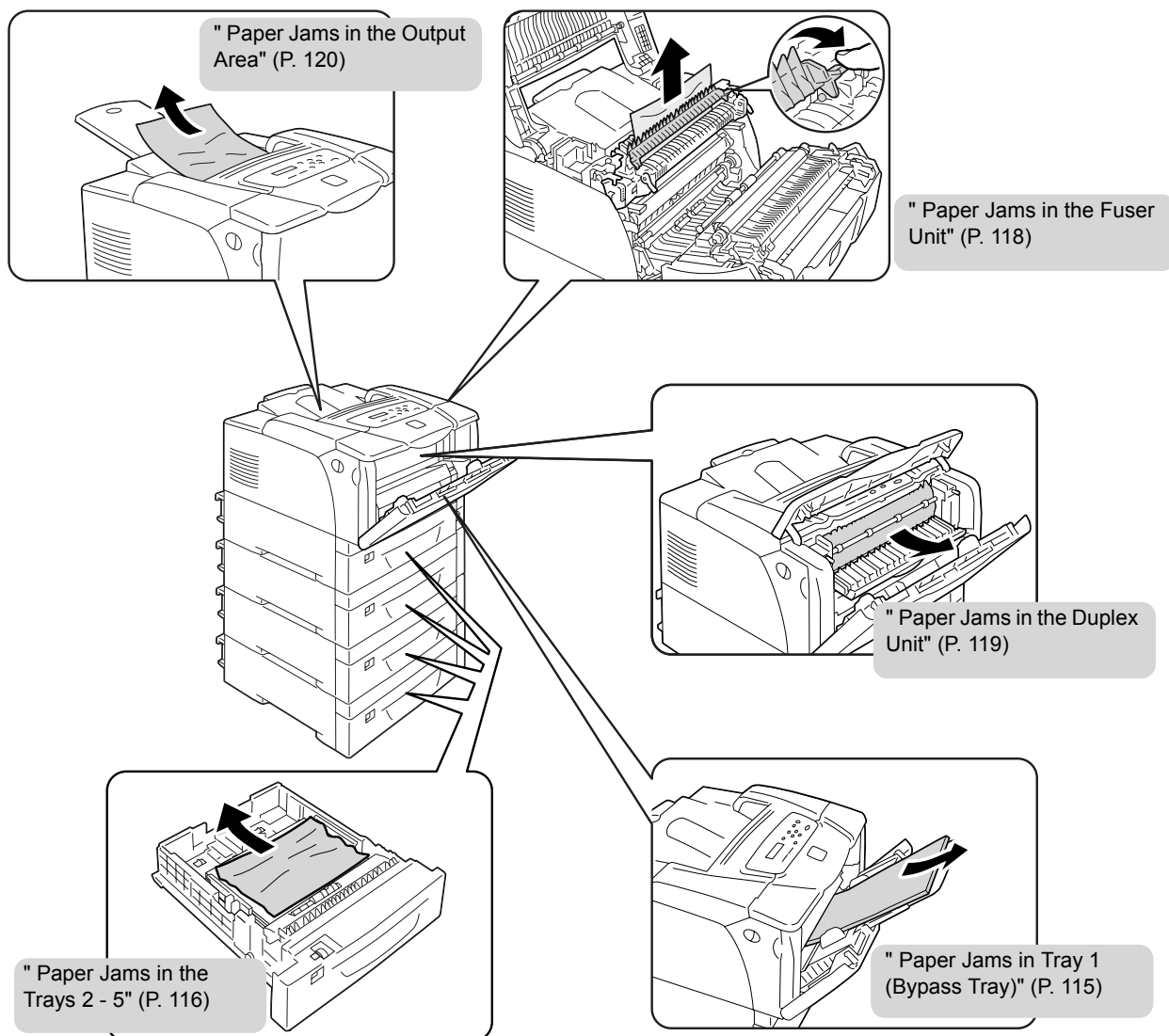
If your problem is not described, or could not be solved with the suggested solution, contact your Customer Support Center or your dealer.

## 6.1 Clearing Paper Jams

When a sheet of paper jams inside the printer, the control panel displays an error message. Follow the instructions in the message to open the appropriate cover and identify the jammed area.

Before opening the front cover, make sure to remove paper from Tray 1 (Bypass tray) (if any paper is loaded) and close Tray 1 (Bypass tray) cover. Then, clear the jammed paper according to the procedure provided for each jammed area.

See the following diagram for the reference pages to the jam clearance procedures.



---

**⚠ CAUTION**

- When removing jammed paper, do not try to remove paper or paper piece deep inside the machine. Also, do not try to remove paper wrapped around the heat roller. It can cause injury or burn. Switch off the machine immediately and contact your local Xerox representative.
- 

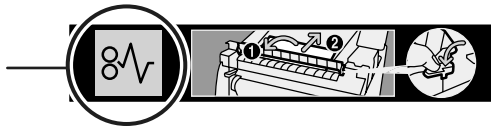
**Important**

- The fuser is hot. Do not touch areas with labels indicating high temperature and those surrounding the labels. Otherwise, you can get burnt.
- Before opening the front cover or pulling out the paper trays, remove paper from Tray 1 (Bypass tray) (if any paper is loaded) and close Tray 1 (Bypass tray) cover.
- Be careful not to pinch your fingers when closing a cover after removing jammed paper.

**Note**

- The labels with the following symbols provide jam clearance procedures. Use the labels as guides when clearing paper jams.

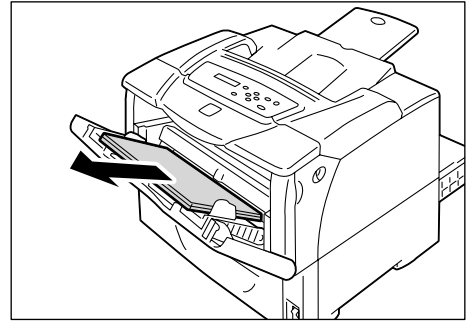
Paper clearance  
instruction symbol



## Paper Jams in Tray 1 (Bypass Tray)

---

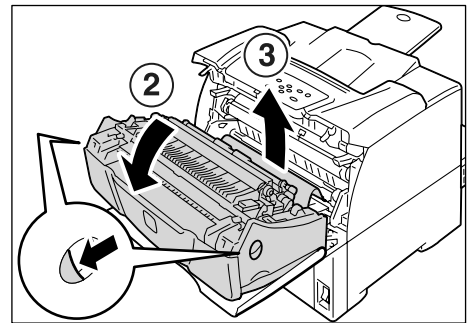
1. Leave the jammed paper where it is and remove the rest of the paper from Tray 1 (Bypass tray).



2. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.

**Important**

- When opening the front cover with Tray 1 (Bypass tray) cover opened, be careful not to get your fingers caught between (the left or right edge of) Tray 1 (Bypass tray) cover and the front cover.



3. Clear the jammed paper.

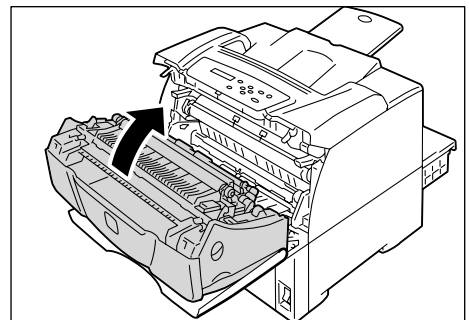
**Important**

- The fuser is hot. Do not touch areas with labels indicating high temperature and those surrounding the labels. Otherwise, you can get burnt.

4. Close the front cover.

**Important**

- When closing the front cover, be careful not to get your fingers caught between (the left, right, top, or bottom edge of) the cover and the printer.



## Paper Jams in the Trays 2 - 5

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1. If paper is loaded in Tray 1 (Bypass tray), remove the paper and close Tray 1 (Bypass tray) cover.

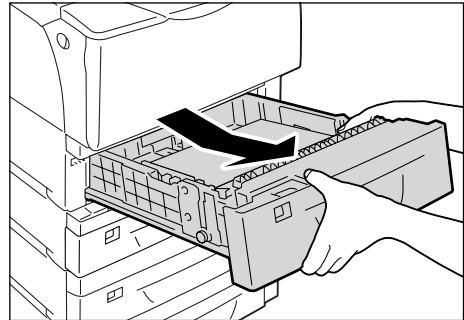
### Important

- When closing Tray 1 (Bypass tray) cover, be careful not to get your fingers caught between (the left or right edge of) the cover and the printer.

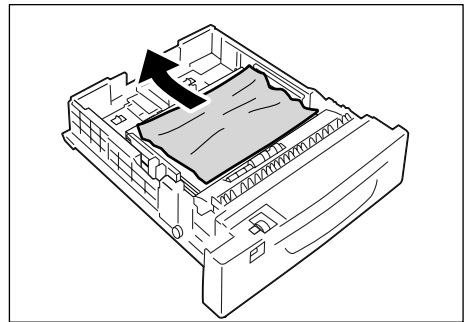
2. Gently pull the tray out of the printer.  
If sheet feeders are installed, check each tray, starting from the bottom one to the top one.

### Important

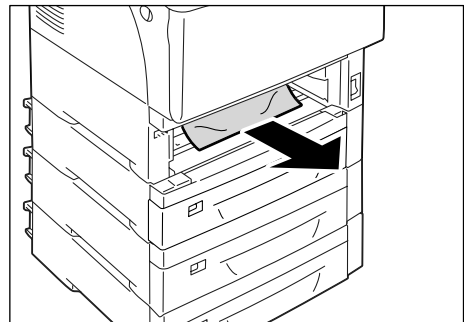
- Paper is fed into the printer via the front side of the tray. If paper is jammed in this area, you may not be able to pull out the tray unless you remove the trays below it.
- Do not pull out more than one tray at a time. Otherwise, the printer may topple over.



3. Clear the jammed paper and any paper that is wrinkled.



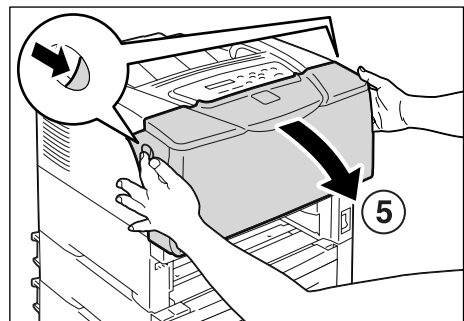
4. If paper is jammed in the printer, gently remove the paper carefully without tearing.



5. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.

### Important

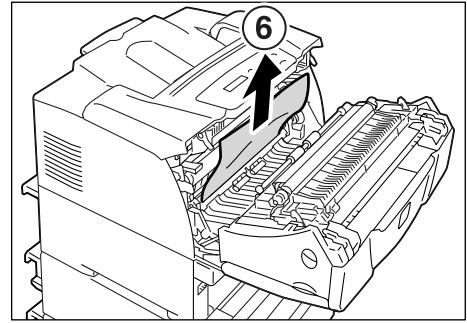
- Open the front cover even when there is no jammed paper in the printer. The error will not clear unless you open and close the front cover.



6. Remove any jammed paper. Make sure no torn pieces remain inside.

**Important**

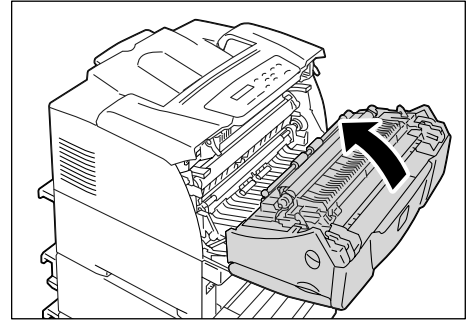
- The fuser is hot. Do not touch areas with labels indicating high temperature and those surrounding the labels. Otherwise, you can get burnt.



7. Close the front cover.

**Important**

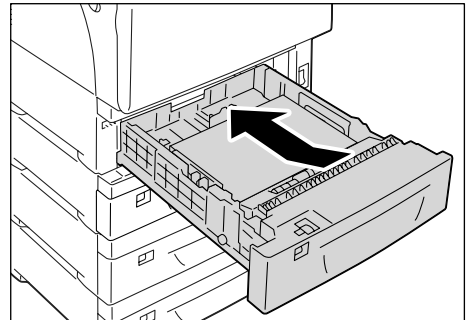
- When closing the front cover, be careful not to get your fingers caught between (the left, right, top, or bottom edge of) the cover and the printer.



8. Push the tray all the way into the printer.

**Important**

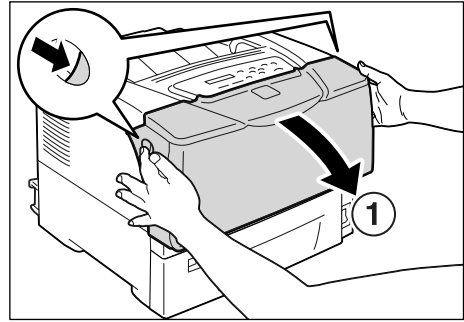
- When inserting the tray, be careful not to get your fingers caught between the tray and the printer or another tray (if the optional sheet feeders are installed).



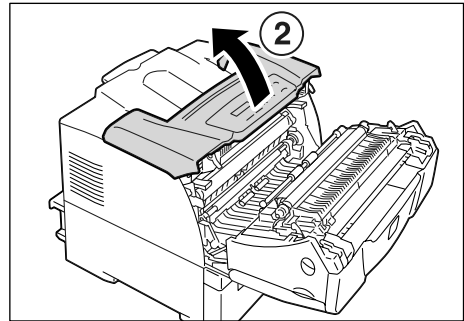
## Paper Jams in the Fuser Unit

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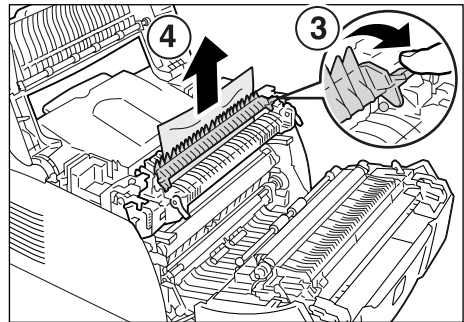
1. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.



2. Open the top cover.



3. As necessary, hold the lever on the right side of the fuser cover and open the fuser cover.



### Important

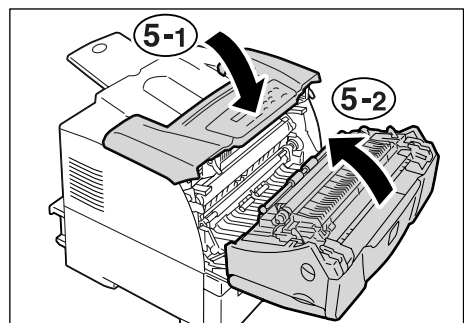
- The fuser is hot. Do not touch areas with labels indicating high temperature and those surrounding the labels. Otherwise, you can get burnt.

4. While holding the cover open, use your other hand to clear the jammed paper.

5. Close the top cover and then the front cover.

### Important

- When closing the front cover, be careful not to get your fingers caught between (the left, right, top, or bottom edge of) the cover and the printer.

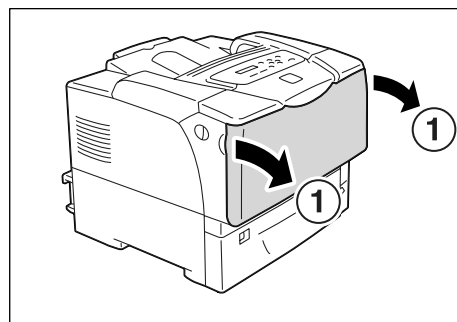




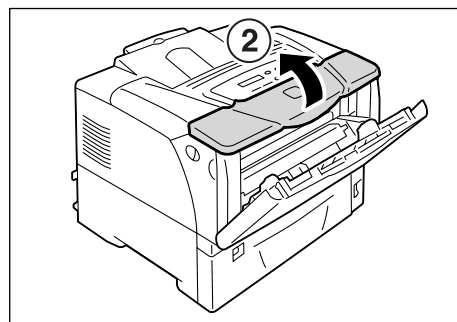
## Paper Jams in the Duplex Unit

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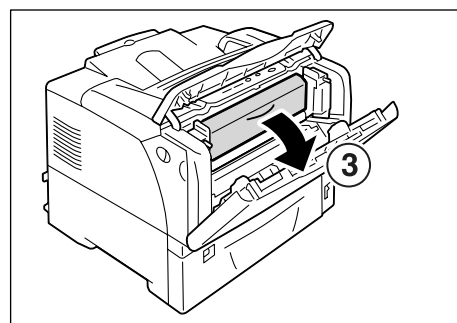
1. Open Tray 1 (Bypass tray) cover.



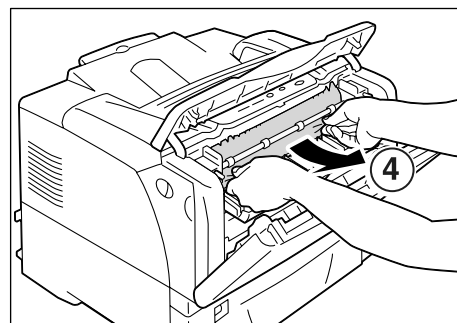
2. Open the upper cover.



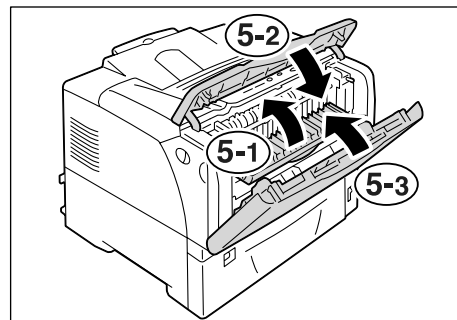
3. Hold the handle on the center part of the inner cover and open the inner cover.



4. Clear the jammed paper.



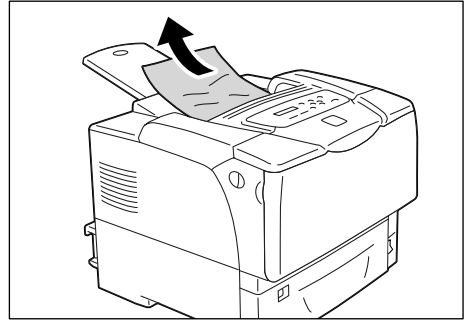
5. Close the inner cover, the upper cover, and then Tray 1 (Bypass tray) cover.



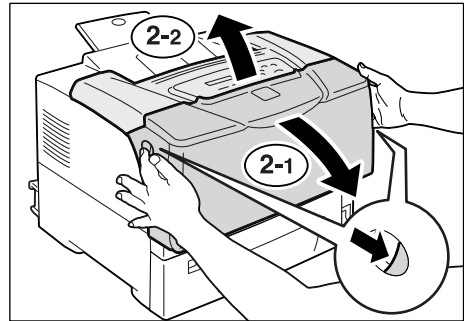
## Paper Jams in the Output Area

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1. Clear the jammed paper.



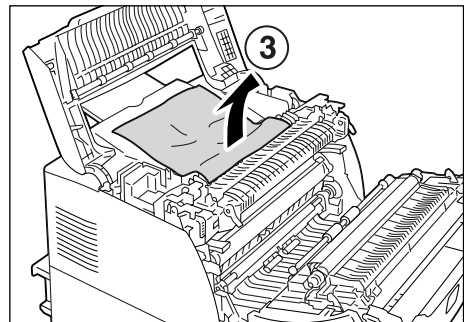
2. If paper is jammed inside the top cover, pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover. Then open the top cover.



3. Clear the jammed paper.

### Important

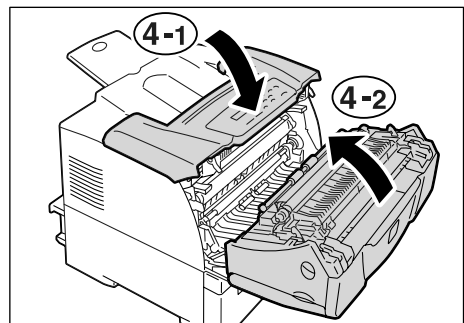
- The fuser is hot. Do not touch areas with labels indicating high temperature and those surrounding the labels. Otherwise, you can get burnt.




4. Close the top cover and then the front cover.

### Important

- When closing the front cover, be careful not to get your fingers caught between (the left, right, top, or bottom edge of) the cover and the printer.



## 6.2 Hardware Problems (Power Failure, Abnormal Noise, etc.)


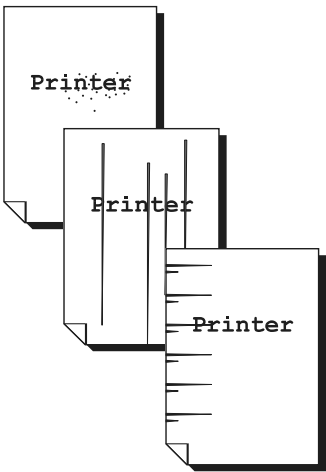
| Symptom                                        | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The printer will not switch on.                | Is the power switched on?<br>Switch the power on by pressing the power switch to the < > position.                                                                                                                                                                                                                                                                                                                                                                     |
|                                                | Is the power cord firmly plugged into the power outlet?<br>Switch the power off, plug the power cord firmly into the power connector or power outlet, and switch the power back on.                                                                                                                                                                                                                                                                                    |
|                                                | Is the printer plugged into a power outlet that supplies proper voltage?<br>Connect the printer to a power outlet that supplies the proper rated voltage or current.<br>Do not share the power outlet with other devices.                                                                                                                                                                                                                                              |
| The display is blank.                          | The printer may be in the Power Saver mode. Press the  <Power Saver> button on the control panel to exit the Power Saver mode.<br>If this does not remedy the problem, check if the power cord is firmly plugged into the power outlet, and reboot the printer.<br>If the problem still persists, the printer may be at fault. Contact your Customer Support Center or your dealer. |
| The printer makes odd noise.                   | Is the printer installed on a level surface?<br>Move the printer on a level and sturdy surface.                                                                                                                                                                                                                                                                                                                                                                        |
|                                                | Are the paper trays pushed in completely?<br>Push the trays firmly into the printer.                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                | A foreign object may be in the printer.<br>Switch the power off and remove the object. If the object cannot be removed without dismantling the printer, contact your Customer Support Center or your dealer.                                                                                                                                                                                                                                                           |
| Condensation formed in the printer.            | On the control panel, set the interval that the printer switches to the Sleep mode to more than 60 minutes, and let the printer stand with its power on. After about an hour, the condensation disappears due to the heat inside the printer.<br><br><b>Refer to</b><br>• [Sleep Mode] (P. 97)                                                                                                                                                                         |
| The printer does not switch to the Sleep mode. | Is the sleep mode disabled?<br>On the control panel, set [Sleep Mode] to [Enable].                                                                                                                                                                                                                                                                                                                                                                                     |

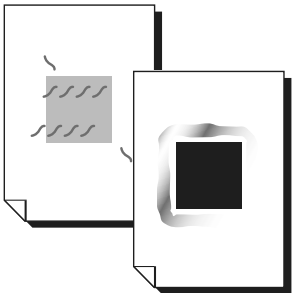

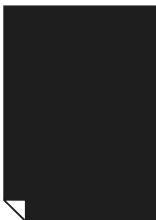

## 6.3 Printing Problems

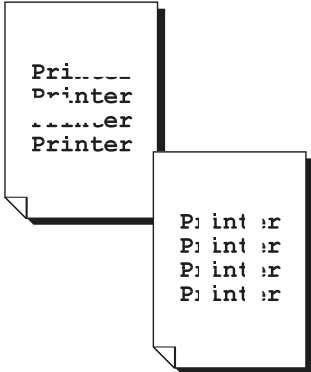
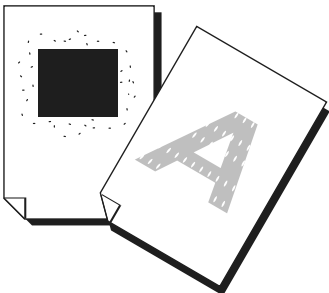

| Symptom                                                                | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The ⓘ <Error> lamp is blinking.                                        | An error that cannot be resolved by users occurred. Copy down the error message or error code displayed on the control panel, switch the power off, unplug the power cord from the power outlet, and contact your Customer Support Center or your dealer.                                                                                                                                                                                                                                                                       |
| The ⓘ <Error> lamp is lit.                                             | Is an error message displayed on the control panel?<br>Follow the instructions in the message and clear the error.                                                                                                                                                                                                                                                                                                                                                                                                              |
| Requested a print job, but the ⓪ <Ready> lamp does not light or blink. | Is the interface cable firmly plugged in?<br>Switch the power off, and check if the interface cable is firmly plugged in.                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                        | Is the printer in the offline or menu state?<br>If the printer is offline, press the ⬅ <Online> button to switch it to online. If the menu screen is displayed, press the ☰ <Menu> button to exit the menu screen.                                                                                                                                                                                                                                                                                                              |
|                                                                        | Are the protocols set correctly?<br>Check if the ports to be used are enabled and the protocols are set correctly on CentreWare Internet Services.<br><br><b>Refer to</b><br><ul style="list-style-type: none"> <li>• "[Network/Port]" (P. 80)</li> <li>• Online help for CentreWare Internet Services</li> </ul>                                                                                                                                                                                                               |
|                                                                        | Is the operating environment of your computer set correctly?<br>Check the operating environment of your computer including the print driver.                                                                                                                                                                                                                                                                                                                                                                                    |
| The ⓪ <Ready> lamp is lit or blinking, but the printer does not print. | The data is in the print buffer. Cancel or force-eject the job.<br>If cancelling the job, press the ⓪/ⓧ <Cancel Job> button. If force-ejecting the job, press the OK/△ <OK/Eject> button.                                                                                                                                                                                                                                                                                                                                       |
| The printer will not print.                                            | If your computer is connected to the printer via a parallel cable, does your computer support bi-directional communication?<br>By default, the printer's bi-directional communication is set to [Enable]. If bi-directional communication is not supported by your computer, the printer will not print your job. If this is the case, disable the bi-directional communication on the control panel and try printing again.<br><br><b>Refer to</b><br><ul style="list-style-type: none"> <li>• "[Parallel]" (P. 80)</li> </ul> |
|                                                                        | If your printer is connected to a network, is the IP address of the printer set correctly?<br>Or, is the data-reception control setting set correctly?<br>Check the above settings and re-configure them if necessary.<br><br><b>Refer to</b><br><ul style="list-style-type: none"> <li>• "Setting the IP Address" (P. 6)</li> <li>• "Controlling Data Reception by IP Address" (P. 158)</li> </ul>                                                                                                                             |

| Symptom                                                                                                               | Cause/Remedy                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printing takes too much time.                                                                                         | <p>Is the [Graphics] tab &gt; [Print Mode] on your print driver set to [High Quality]? Changing the [Print Mode] setting to [Standard] may improve print speed.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul>                                                                             |
|                                                                                                                       | <p>Printing may take time depending on the printing method for TrueType fonts. Change the printing method under the [Detailed Settings] tab &gt; [Font Settings] on your print driver.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul>                                                      |
|                                                                                                                       | <p>When printing large data, or when it is taking too much time to print, enabling [Print Page Mode] on your print driver may improve print speed.<br/>To use [Print Page Mode], install additional memory to the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Print Page Mode: Online help for the print driver</li> </ul> |
| Image loss occurs in the upper portion of the page.<br>Printing does not start from the desired position on the page. | <p>Are the paper guides adjusted properly?<br/>Slide the paper guides to the correct positions.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>"4.2 Loading Paper" (P. 62)</li> </ul>                                                                                                                                                  |
|                                                                                                                       | <p>Check whether the margins are set correctly on your print driver.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul>                                                                                                                                                                        |
| Requested 2-sided printing, but the printer prints 1-sided.                                                           | <p>The duplex unit (optional) may not be installed properly.<br/>Check if the duplex unit is plugged correctly into the connector on the printer.</p> <div data-bbox="738 1162 1190 1480" data-label="Image"> </div> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>'Duplex Unit Installation Guide'</li> </ul>                            |

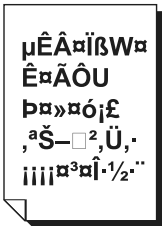

## 6.4 Print Quality Problems

| Symptom                                                                                                                              | Cause/Remedy                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Output is too light.<br/>(faded or unclear)</p>  | The paper is damp. Load fresh paper.                                                                                                                                                                                                      |
|                                                                                                                                      | The paper is not appropriate for the printer. Load appropriate paper.                                                                                                                                                                     |
|                                                                                                                                      | <b>Refer to</b> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul>                                                                                                                                             |
|                                                                                                                                      | The print cartridge or fuser unit is damaged or deteriorated. The print cartridge or fuser unit may need replacement depending on its condition. Contact your Customer Support Center or your dealer.                                     |
|                                                                                                                                      | <p>Is the toner save feature enabled?<br/>On the [Detailed Settings] tab on your print driver, clear the [Draft Mode] check box.</p> <b>Refer to</b> <ul style="list-style-type: none"> <li>• Online help for the print driver</li> </ul> |
|                                                                                                                                      | <p>Change the print density settings under the [Graphics] tab &gt; [Image Settings] on your print driver and try printing again.</p> <b>Refer to</b> <ul style="list-style-type: none"> <li>• Online help for the print driver</li> </ul> |
| <p>Equally spaced smears appear on output.</p>    | Change the [Paper Type] setting and try printing again. For example, if [Paper Type] is set to [Heavyweight 1], try changing it to [Heavyweight 2].                                                                                       |
|                                                                                                                                      | The paper path may not be clean. Print a couple of blank sheets to remove dirt from the paper path.                                                                                                                                       |
|                                                                                                                                      | The interior of the printer may not be clean. Clean the interior of the printer.                                                                                                                                                          |
|                                                                                                                                      | <b>Refer to</b> <ul style="list-style-type: none"> <li>• "Cleaning the Rib Plate" (P. 169)</li> </ul>                                                                                                                                     |
|                                                                                                                                      | The print cartridge or fuser unit is damaged or deteriorated. The print cartridge or fuser unit may need replacement depending on its condition. Contact your Customer Support Center or your dealer.                                     |

| Symptom                                                                                                                                                                                             | Cause/Remedy                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Streaks appear inside or outside of halftone images. Shadow is printed around solid-filled images.</p>          | <p>The paper may have been improperly stored or sealed in an exceptionally dry environment. Load fresh paper.</p>                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                     | <p>The paper is not appropriate for the printer. Load appropriate paper.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul>                                                                                                                                                                        |
| <p>Ink smudges off when rubbed with a finger. Toner is not fused to the paper. Output is smudged with toner.</p>  | <p>The paper type of the selected paper tray is not appropriate. Change the [Paper Type] setting and try printing again. For example, if [Paper Type] is set to [Heavyweight 1], try changing it to [Heavyweight 2].</p>                                                                                                                                 |
|                                                                                                                                                                                                     | <p>The paper is damp. Load fresh paper.</p>                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                     | <p>The paper is not appropriate for the printer. Load appropriate paper.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul> <p>The fuser unit is damaged or deteriorated. The fuser unit may need replacement depending on its condition. Contact your Customer Support Center or your dealer.</p> |
| <p>The whole page is printed black.</p>                                                                          | <p>The print cartridge is damaged or deteriorated. The print cartridge may need replacement depending on its condition. Contact your Customer Support Center or your dealer.</p>                                                                                                                                                                         |
|                                                                                                                                                                                                     | <p>The high-voltage power supply may be at fault. Contact your Customer Support Center or your dealer.</p>                                                                                                                                                                                                                                               |
| <p>Output is blank.</p>                                                                                          | <p>Multiple sheets were fed at once. Fan the paper and reload it in the tray.</p>                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                     | <p>The print cartridge is damaged or deteriorated. The print cartridge may need replacement depending on its condition. Contact your Customer Support Center or your dealer.</p>                                                                                                                                                                         |
|                                                                                                                                                                                                     | <p>The high-voltage power supply may be at fault. Contact your Customer Support Center or your dealer.</p>                                                                                                                                                                                                                                               |

| Symptom                                                                                                                                                      | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Deletions on output.<br/>Vertical white streaks appear on output.</p>    | <p>The paper is not appropriate for the printer. Load appropriate paper.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                              | <p>The paper is damp. Load fresh paper.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                              | <p>The print cartridge or feed rolls are not installed correctly. Correctly install the print cartridge or feed rolls.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                              | <p>The printer's interior may not be clean. Clean the interior of the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Cleaning the Rib Plate" (P. 169)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                              | <p>Condensation may have formed in the printer.<br/>On the control panel, set the interval that the printer switches to the Sleep mode to more than 60 minutes, and let the printer stand with its power on. After about an hour, the condensation disappears due to the heat inside the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "[Sleep Mode]" (P. 97)</li> </ul> <p>The print cartridge or fuser unit is damaged or deteriorated. The print cartridge or fuser unit may need replacement depending on its condition. Contact your Customer Support Center or your dealer. Contact your Customer Support Center or your dealer.</p> |
| <p>White patches appear on output.<br/>Toner scatters around images.</p>  | <p>Change the [Paper Type] setting and try printing again. For example, if [Paper Type] is set to [Heavyweight 1], try changing it to [Heavyweight 2].</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>Text / output is smeared.</p>                                          | <p>The paper is not appropriate for the printer. Load appropriate paper.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                              | <p>The paper is damp. Load fresh paper.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                              | <p>Condensation may have formed in the printer.<br/>On the control panel, set the interval that the printer switches to the Sleep mode to more than 60 minutes, and let the printer stand with its power on. After about an hour, the condensation disappears due to the heat inside the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "[Sleep Mode]" (P. 97)</li> </ul>                                                                                                                                                                                                                                                                   |



| Symptom                                                                                                                                                                                              | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Text is garbled.<br/>Output printed is not the same as the original data displayed on your computer screen.</p>  | <p>The data was printed using a font that does not come standard with the printer. Check the font used by the application. If using PostScript, download fonts as necessary.</p> <p>Is the printer set to substitute TrueType fonts with the built-in fonts?<br/>Change the printing method of TrueType fonts under the [Detailed Settings] tab &gt; [Font Settings] on your print driver.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul>                                                                                                                                                                                                                                                       |
| <p>Images are skewed.</p>                                                                                           | <p>The paper guides are not adjusted properly. Adjust the paper guides properly.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>"4.2 Loading Paper" (P. 62)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p>Photos are blurred.</p>                                                                                                                                                                           | <p>Is the original image blurred?<br/>Adjust the sharpness of the original image and try printing it again.<br/>If you cannot adjust the sharpness of the original image, change the sharpness setting under the [Detailed Settings] tab &gt; [Other Settings] &gt; [Sharpness adjustment] on your print driver and try printing the image again.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul>                                                                                                                                                                                                                                                                                                |
| <p>Print quality on transparencies, postcards, or envelopes is poor.</p>                                                                                                                             | <p>The transparencies, postcards, or envelopes loaded in the printer cannot be used with the printer. Load appropriate media.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>"Supported Paper" (P. 57)</li> </ul> <p>Check if the paper type setting on the print driver or control panel is set correctly.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>"[Paper Type]" (P. 104)</li> <li>Online help for the print driver</li> </ul> <p>The toner save feature is enabled or the resolution is set low on your print driver. Change these settings on the [Detailed Settings] tab on your print driver.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>Online help for the print driver</li> </ul> |

## 6.5 Paper Feeding Problems

| Symptom                                                                                                                                                  | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Paper does not feed properly.</p> <p>Paper jams occur.</p> <p>Multiple sheets feed at once.</p> <p>Paper feeds skewed.</p> <p>Output is wrinkled.</p> | <p>Is the paper loaded correctly?</p> <p>Reload the paper correctly. Before loading transparencies, postcards, or envelopes, fan them to make sure that they are separated.</p>                                                                                                                                                                                                   |
|                                                                                                                                                          | <p>Is the paper damp?</p> <p>Load fresh paper.</p>                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                          | <p>Is the paper appropriate for the printer?</p> <p>Load appropriate paper. Paper may still wrinkle depending on its type or condition.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Supported Paper" (P. 57)</li> </ul>                                                                                                                                  |
|                                                                                                                                                          | <p>Are the paper trays pushed in completely?</p> <p>Push the trays firmly into the printer.</p>                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                          | <p>Is the printer installed on a level surface?</p> <p>Install the printer on a level and sturdy surface.</p>                                                                                                                                                                                                                                                                     |
|                                                                                                                                                          | <p>Are the paper guides adjusted properly?</p> <p>Adjust the paper guides properly.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "4.2 Loading Paper" (P. 62)</li> </ul>                                                                                                                                                                                    |
|                                                                                                                                                          | <p>These problems can happen if you add paper on top of paper that is still in a paper tray. Fan the paper loaded in the tray and reload it into the tray. Add paper to the tray only when the tray is out of paper.</p>                                                                                                                                                          |
|                                                                                                                                                          | <p>Are you trying to print on postcards with pre-printed pictures?</p> <p>If you load postcards with printed pictures, the anti set-off powder sticks to the feed rolls preventing the postcards from being fed properly. In such a case, clean the feed rolls.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Cleaning the Feed Rolls" (P. 171)</li> </ul> |
| <p>The printer does not correctly select a paper tray.</p>                                                                                               | <p>The feed rolls may be worn out or have reached their end-of-life.</p> <p>Clean the feed rolls.</p> <p>If the problem persists, the feed rolls must be replaced depending on their condition. Contact your Customer Support Center or your dealer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Cleaning the Feed Rolls" (P. 171)</li> </ul>            |
|                                                                                                                                                          | <p>Did you switch on the power when the trays were removed from the printer?</p> <p>If you did, the printer may not correctly sensor the size of the paper loaded in the printer. Push the trays firmly into the printer, and switch the printer off and then on again.</p>                                                                                                       |
|                                                                                                                                                          | <p>Does the paper size specified with the paper size dial match the size of paper loaded in the tray?</p> <p>Set the paper size dial to match the paper size loaded in the tray.</p>                                                                                                                                                                                              |
| <p>The printer does not feed paper from Tray 1 (Bypass tray).</p>                                                                                        | <p>Check whether the paper size and paper type settings on the print driver and control panel are set correctly.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "[Printer Settings]" (P. 102)</li> <li>• Online help for the print driver</li> </ul>                                                                                                         |
|                                                                                                                                                          | <p>Is the [Paper/Output] tab &gt; [Paper Source] set to [Auto]? Tray 1 (Bypass tray) cannot be auto-selected by the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• Online help for the print driver</li> </ul>                                                                                                                                      |

## 6.6 Error Messages and Error Codes

### Error Messages (in Alphabetical Order)

The following table lists the error messages that appear on the control panel.

**Note**

- When a message cannot be displayed in one screen, the display switches between two or three screens to display the entire message. The ↑ ↓ in the following table indicates the screen switching motion of the display.

| Message                                                   | Symptom/Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clear Jam from<br>Tray 1 or<br>↑ ↓<br>Open A<br>Clear Jam | A paper jam occurred in the printer.<br>Clear the jammed paper from Tray 1 (Bypass tray). Then, open the front cover. If you see the jammed paper, remove it from the printer.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>"6.1 Clearing Paper Jams" (P. 113)</li></ul>                                                                                                                                                                 |
| Close A & C                                               | The front cover or top cover is open.<br>Close the cover.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>"2.1 Main Components and Functions" (P. 19)</li></ul>                                                                                                                                                                                                                                                                             |
| Close D                                                   | The inner cover is open.<br>Close the inner cover.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>"2.1 Main Components and Functions" (P. 19)</li></ul>                                                                                                                                                                                                                                                                                    |
| Disk is full<br>↑ ↓<br>Press SET<br>and Cancel JOB        | The hard disk (optional) is full.<br>Cancel the print job by pressing the OK / △ <OK/Eject> button on the control panel.<br>Increase the hard disk space by deleting the files that are unnecessary.                                                                                                                                                                                                                                                     |
| Install<br>Toner Cartridge                                | A print cartridge is not installed.<br>Install a print cartridge appropriate for the printer.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>"Replacing the Print Cartridge" (P. 141)</li><li>"Type of Consumable" (P. 139)</li></ul>                                                                                                                                                                                                      |
| Invalid job<br>↑ ↓<br>Press SET<br>and Cancel JOB         | The job was not printed since the request is not valid.<br>This message may appear when the accessory configuration settings differ from the actual configuration (for example, you requested 2-sided printing when the duplex unit is not installed, but it is set to [Available] on the print driver).<br>Cancel the job by pressing the OK / △ <OK/Eject> button on the control panel.<br>Correctly specify the print request and try printing again. |
| Invalid feature<br>↑ ↓<br>Press SET<br>and Cancel JOB     | If the Authentication feature is used, you are not registered as a user who is authorized to print. Cancel the job by pressing the OK / △ <OK/Eject> button on the control panel.<br>For information about the user registration, consult your system administrator.                                                                                                                                                                                     |
| Limit reached<br>↑ ↓<br>Press SET<br>and Cancel JOB       | The limit set on the [Print Auditron] for maximum number of pages has been reached.<br>Cancel the job by pressing the OK / △ <OK/Eject> button on the control panel.<br>For information about the Print Auditron, consult your system administrator.                                                                                                                                                                                                     |

| Message                                                                       | Symptom/Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Load in Tray 1<br>xx xx xxxx                                                  | <p>The size of the paper loaded in Tray 1 (Bypass tray) does not match the paper size specified by the job.<br/>Load the paper indicated in the message (xx xx xxxx) in Tray 1 (Bypass tray).</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Loading Paper in Tray 1 (Bypass Tray)" (P. 62)</li> </ul>                                                                                                                                                                                     |
| Login Error<br>↑ ↓<br>Press SET<br>and Cancel JOB                             | <p>The Authentication feature is enabled but you are not authorized to print from the printer. Or, when you requested the job, you did not correctly enter your user ID and password on your print driver.<br/>Enter the correct user ID and password and try printing again.<br/>Ask your system administrator whether or not you have access to the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "7.8 Authentication and Auditron Administration Features" (P. 162)</li> </ul> |
| Open A<br>Clear Jam or<br>↑ ↓<br>Open Tray 2<br>Open & Close A                | <p>A paper jam occurred in the printer.<br/>Open the front cover and locate the paper jam. If you see the jammed paper, remove it from the printer. If you cannot clear the jammed paper, pull out Tray 2 to remove the paper. Then, open and close the front cover.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                                                                                           |
| Open All Trays<br>Clear Jam<br>↑ ↓<br>then<br>Open & Close A                  | <p>(DocuPrint 3055 only)<br/>A paper jam occurred in the printer.<br/>Pull out all trays to identify the jammed area, and clear the jammed paper. Then, open and close the front cover. Open the front cover even when there is no jammed paper inside the cover. The error will not clear unless you open and close the front cover.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                          |
| Open A & C<br>Clear Jam from E                                                | <p>A paper jam occurred in the printer.<br/>Open the front cover and the top cover and locate the paper jam. If you see the jammed paper, remove it from the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                                                                                                                                                                                          |
| Open Bypass & B<br>Clear Jam at D<br>↑ ↓<br>Close D & Open A<br>Clear Jam     | <p>A paper jam occurred in the duplex unit.<br/>Open Tray 1 (Bypass tray), the upper cover, and the inner cover to identify the jammed area, and then clear the jammed paper.<br/>Close the inner cover and open the front cover. If you see the jammed paper, remove it from the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                                                                     |
| Open Bypass & B<br>Clear Jam at D<br>↑ ↓<br>Close D, Open A<br>& C. Clear Jam | <p>A paper jam occurred in the duplex unit.<br/>Open Tray 1 (Bypass tray), the upper cover, and the inner cover to identify the jammed area, and then clear the jammed paper.<br/>Close the inner cover and open the front cover. If you see the jammed paper, remove it from the printer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                                                                     |
| Open Tray 2<br>Clear Jam<br>↑ ↓<br>then<br>Open & Close A                     | <p>A paper jam occurred in the printer.<br/>Pull out Tray 2 to identify the jammed area, and clear the jammed paper. Then, open and close the front cover. Open the front cover even when there is no jammed paper inside the cover. The error will not clear unless you open and close the front cover.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "6.1 Clearing Paper Jams" (P. 113)</li> </ul>                                                                                       |

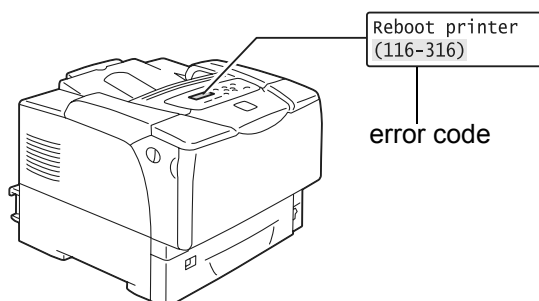
| Message                                                                    | Symptom/Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Open Tray 2 & 3<br>Clear Jam<br>↑ ↓<br>then<br>Open & Close A              | A paper jam occurred in the printer.<br>Pull out Tray 2 and Tray 3 to identify the jammed area, and clear the jammed paper. Then, open and close the front cover. Open the front cover even when there is no jammed paper inside the cover. The error will not clear unless you open and close the front cover.<br><br><b>Refer to</b><br>• "6.1 Clearing Paper Jams" (P. 113)          |
| Open Tray 4, 3<br>& 2. Clear Jam<br>↑ ↓<br>then<br>Open & Close A          | A paper jam occurred in the printer.<br>Pull out Tray 2, Tray 3, and Tray 4 to identify the jammed area, and clear the jammed paper. Then, open and close the front cover. Open the front cover even when there is no jammed paper inside the cover. The error will not clear unless you open and close the front cover.<br><br><b>Refer to</b><br>• "6.1 Clearing Paper Jams" (P. 113) |
| Out of memory<br>↑ ↓<br>Press SET<br>and Cancel JOB                        | The job cannot be printed due to insufficient memory.<br>Cancel the job by pressing the OK / △ <OK/Eject> button on the control panel. Reduce the number of files to print and try printing again. If the same message keeps appearing, we suggest you to install additional memory.                                                                                                    |
| PDL Error<br>↑ ↓<br>Press SET<br>and Cancel JOB                            | An error occurred while processing the job.<br>Cancel the job by pressing the OK / △ <OK/Eject> button on the control panel. Check if there is any problem with the print data.                                                                                                                                                                                                         |
| Push in<br>all trays                                                       | The job requested a paper tray, but one of the trays above it is open.<br>Close the open tray.                                                                                                                                                                                                                                                                                          |
| Push in Tray N<br>(N: tray 2 - 5)                                          | The tray N is open.<br>Push the tray firmly into the printer.                                                                                                                                                                                                                                                                                                                           |
| Push in trays                                                              | One of the trays is open when printing.<br>Push the tray firmly into the printer.                                                                                                                                                                                                                                                                                                       |
| Ready to print<br>Maintenance Kit<br>↑ ↓<br>Ready to print<br>Replace soon | The maintenance kit (regular replacement part) needs to be replaced soon. Have a new maintenance kit ready.                                                                                                                                                                                                                                                                             |
| Ready to print<br>Toner Cartridge<br>↑ ↓<br>Ready to print<br>Replace soon | The print cartridge needs to be replaced soon. Have a new cartridge ready.                                                                                                                                                                                                                                                                                                              |
| Reboot printer<br>(***-***)                                                | There is a printer fault.<br>Switch the power off, wait for the display to go out, and switch the power back on again. If the same error code is displayed, copy down the error code (***-***), and Contact your Customer Support Center or your dealer.<br><br><b>Refer to</b><br>• "Error Codes" (P. 133)                                                                             |
| Replace<br>Toner Cartridge                                                 | The print cartridge has run out of toner.<br>Replace the print cartridge.<br><br><b>Refer to</b><br>• "Replacing the Print Cartridge" (P. 141)<br>• "Type of Consumable" (P. 139)                                                                                                                                                                                                       |
| Set Tray N<br>xx xx xxxx<br><br>(N: tray 2- 5)                             | The size of the paper loaded in the tray N does not match the paper size requested by the job.<br>Load the paper indicated in the message (xx xx xxxx) in the tray N.<br><br><b>Refer to</b><br>• "Loading Paper in Trays 2 - 5" (P. 64)                                                                                                                                                |

| Message                                                                          | Symptom/Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SysError ***-***<br>Reboot printer                                               | <p>A system error occurred.<br/> Switch the power off, wait for the display to go out, and then switch the power back on. If the same error code is displayed, copy down the error code (***-***), and Contact your Customer Support Center or your dealer.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Error Codes" (P. 133)</li> </ul>                                    |
| UnknownPaperType<br>↑ ↓<br>Press SET<br>and Cancel JOB                           | <p>Auto Paper Tray select was requested when [Paper Priority] is set to [Off].<br/> Cancel the print job by pressing the <b>OK / △</b> &lt;OK/Eject&gt; button on the control panel.<br/> Set the priority order of the paper trays or manually select a paper tray on the control panel.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "[System Settings]" (P. 94)</li> </ul> |
| Wrong paper size<br>Reload Bypass                                                | <p>The paper size loaded in Tray 1 (Bypass tray) does not match the paper size set on the print driver or on the control panel.<br/> Load paper of the size set on the print driver or on the control panel.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Loading Paper in Tray 1 (Bypass Tray)" (P. 62)</li> </ul>                                                          |
| Wrong paper size<br>Reload Tray N<br>↑ ↓<br>Or check Dial<br><br>(N: tray 2 - 5) | <p>The paper size loaded in the tray N does not match the paper size set with the paper size dial.<br/> Pull out the tray N, check the paper size and the paper size dial, and insert the tray.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• "Loading Paper in Trays 2 - 5" (P. 64)</li> </ul>                                                                                |

## Error Codes

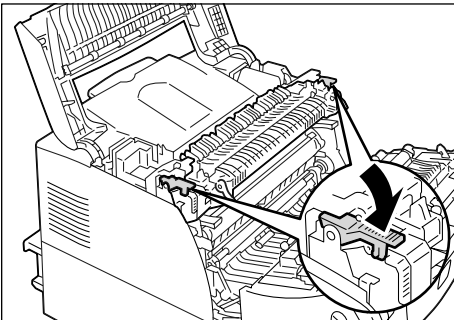
Error codes are six-digit numbers that appear on the control panel when errors occur. Such errors include abnormal print jobs and printer malfunction.

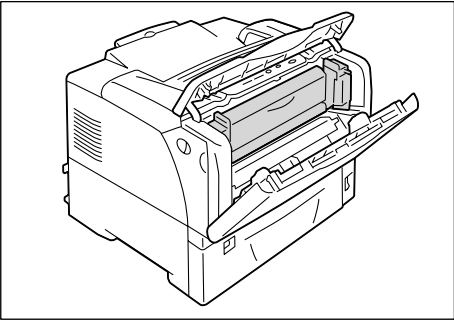
Error codes are important information that identifies the causes of errors. Please have error codes ready when calling your Customer Support Center or your dealer.



The following table lists the error codes that can be resolved by users. When an error code is displayed, see if it is listed in the following table.

The following error codes are listed in ascending order.

| Error Code | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 010-397    | <p>The fuser unit may not be installed properly or may be at fault. Switch the printer off, and open the front cover by pulling the front cover release levers ("A") towards you. Check if the levers on both sides of the fuser unit are locked firmly, and then switch the power back on.</p>  <p>If the same message is displayed again, contact your Customer Support Center or your dealer.</p> |
| 077-215    | <p>The sheet feeder (optional) is not installed on the printer properly. Switch the power off, check if the sheet feeder is properly installed on the printer, and then switch the power back on.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"><li>• '550 Sheet Feeder Installation Guide'</li></ul>                                                                                                                                                                     |

| Error Code | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 077-216    | <p>The duplex unit (optional) is not plugged into the printer properly. Switch the power off, check if the connector cable of the duplex unit is properly plugged into the printer, and then switch the power back on.</p>  <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• 'Duplex Unit Installation Guide'</li> </ul> |



## 6.7 Network-related Problems

For information on how to resolve network-related printing problems, refer to the Documentaton CD-ROM.

The followings are the problems you may encounter when using CentreWare Internet Services, E-mail Print, or StatusMessenger. When an error message or error code is displayed, refer to "6.6 Error Messages and Error Codes" (P. 129) to remedy the error.

### CentreWare Internet Services Problems

| Symptom                                                                                                                                                                       | Cause/Remedy                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entered text in a text box within the number of bytes allowed for the text box (when one non-alphanumeric character is counted as 2 bytes), but the whole text was not saved. | <p>This printer uses Unicode UTF-8 to save characters entered on CentreWare Internet Services. In general UTF-8 requires 2 to 4 bytes to save one non-alphanumeric character.</p> <p>The text you entered may have exceeded the maximum number of bytes allowed for the text box, and thus was not saved.</p>        |
| Cannot access to CentreWare Internet Services.                                                                                                                                | <p>Is the printer running normally?<br/>Check if the printer is switched on.</p>                                                                                                                                                                                                                                     |
|                                                                                                                                                                               | <p>Is Internet Services activated?<br/>Print out the [Printer Settings] list to see if Internet Services is activated.</p>                                                                                                                                                                                           |
|                                                                                                                                                                               | <p>Is the URL entered correctly?<br/>Check the URL. If you still cannot access the service, enter the printer's IP address instead of the URL.</p>                                                                                                                                                                   |
|                                                                                                                                                                               | <p>Is the number of HTTP port correct?<br/>Check the HTTP port number again. If you changed the port number, you must enter a ":" (colon) and then the port number after the address when accessing CentreWare Internet Services.<br/>Example) http://printer1.example.com:80/</p>                                   |
|                                                                                                                                                                               | <p>If SSL/TLS server communication is enabled, did you enter the address correctly in the address field?<br/>If SSL/TLS server communication is enabled, start the address with "https" instead of "http". Also, if you changed the SSL/TLS port number, enter a ":" (colon) before the port number.</p>             |
|                                                                                                                                                                               | <p>Is your web browser using a proxy server?<br/>CentreWare Internet Services cannot be accessed depending on the proxy server being used.<br/>Try accessing the service without using a proxy server.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"><li>• Online help for your web browser</li></ul> |
| The "Please wait..." message is displayed on the web browser and does not disappear.                                                                                          | <p>Wait for a while as instructed.</p> <p>If nothing happens, refresh the web browser. If this does not help, check if the printer is running normally.</p>                                                                                                                                                          |
| The latest information is not displayed.                                                                                                                                      | <p>Click [Refresh].</p>                                                                                                                                                                                                                                                                                              |

| Symptom                                                                                                                                                                                | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The [Refresh] button does not work.</p> <p>The contents in the right frame do not change even when a different topic is selected in the left frame.</p> <p>The service is slow.</p> | <p>Is your operating system or web browser supported by CentreWare Internet Services?</p> <p>Refer to "1.5 Configuring the Printer Using CentreWare Internet Services" (P. 12) to see if your operating system or web browser is supported by the service.</p>                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                        | <p>If your browser is using a proxy server, the window may not refresh properly or may become slow.</p> <p>Access CentreWare Internet Services without using a proxy server.</p>                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                        | <p>Old information may be cached on your web browser.</p> <p>Clear all the information cached on the web browser.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| The contents displayed on the screen are distorted.                                                                                                                                    | Change the window or font size setting on the web browser.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Clicking [Apply] does not reflect the new settings.                                                                                                                                    | <p>Did you enter the values correctly?</p> <p>If the values are not valid, an error message will be displayed. Check if the values are entered correctly.</p>                                                                                                                                                                                                                                                                                                                                                                                                  |
| Forgot the system administrator ID or password and unable to change the settings.                                                                                                      | <p>The default user ID and password of the administrator of CentreWare Internet Services are:</p> <ul style="list-style-type: none"> <li>• User ID: 11111</li> <li>• password: x-admin</li> </ul> <p>If you cannot remember the ID and password, initialize the setting under [Init/Del Data] &gt; [Init/NetworkPort] on the control panel. This operation, however, resets the entire network-related settings to the defaults. Before initializing the settings, we suggest you record the current settings by printing out the [Printer Settings] list.</p> |
| The service does not accept the user ID or password.                                                                                                                                   | <p>If you fail to log in four times in a row after switching the power on or after the last successful login, you will be locked out of the service. Depending on the web browser you are using, the login window does not close until you cancel the login attempt.</p> <p>In such case, reboot the printer and try logging in again.</p>                                                                                                                                                                                                                     |
| The display language is not what you desire.                                                                                                                                           | Change the display language setting on your web browser.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                        | <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• Online help for your web browser</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                        | <p>If you access the printer simultaneously from multiple web browsers or StatusMessenger of different languages, the character strings obtained from the printer may be different from the language setting on the web browsers. If this is the case, refresh the web browsers.</p> <p>This problem can happen, also when your web browser is using a proxy server. Try accessing the service without using a proxy server.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>• Online help for your web browser</li> </ul>                   |
| The connection to CentreWare Internet Services was rejected, or a message "The page does not contain data" is displayed.                                                               | <p>This may happen if you refresh your web browser too often. Try not to refresh the web browser frequently.</p> <p>Also, do not leave the [Status] or [Jobs] tab displayed on multiple browsers.</p>                                                                                                                                                                                                                                                                                                                                                          |
| Buttons are displayed as URL links.                                                                                                                                                    | <p>Some buttons on the service use JavaScript. Such buttons do not appear when JavaScript is not running or disabled. In such case, the buttons are displayed as URL links.</p> <p>We suggest you enable JavaScript on your web browser.</p>                                                                                                                                                                                                                                                                                                                   |

## E-Mail Print/StatusMessenger Problems

| Symptom                                                            | Cause/Remedy                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cannot check the printer's status via e-mail.<br>(StatusMessenger) | Check to see if [Properties] > [Port Status] > [StatusMessenger] on CentreWare Internet Services is set to [Enabled].                                                                                                                                                                                                                                                                                                                                         |
|                                                                    | Check the following settings under [Properties] > [E-mail] on CentreWare Internet Services. <ul style="list-style-type: none"> <li>Is the e-mail address of the printer configured?</li> <li>Are the rest of the settings such as the SMTP server and POP3 server set correctly?</li> <li>Is [Permitted E-mail Address] (e-mail addresses from which the printer accepts e-mails) enabled? Is your address included in [Permitted E-mail Address]?</li> </ul> |
|                                                                    | Is [Password for Read-Only Data] or [Password for Print Job] entered correctly in the e-mail (if either password is set)?<br>Make sure to specify the same password as the one set under [Properties] > [E-mail] on CentreWare Internet Services.                                                                                                                                                                                                             |
|                                                                    | Are the commands written in the e-mail correct?<br>Make sure to write commands correctly.<br><br><b>Refer to</b> <ul style="list-style-type: none"> <li>"7.5 Checking the Printer Status via E-mail" (P. 150)</li> </ul>                                                                                                                                                                                                                                      |
|                                                                    | Are the SMTP server and POP3 server running normally?<br>Ask your network administrator to see if the servers are running normally.                                                                                                                                                                                                                                                                                                                           |
| The printer does not notify errors via e-mail (StatusMessenger)    | Check to see if [Properties] > [Port Status] > [StatusMessenger] on CentreWare Internet Services is set to [Enabled].                                                                                                                                                                                                                                                                                                                                         |
|                                                                    | Check the following settings under [Properties] > [E-mail] and [StatusMessenger] on CentreWare Internet Services. <ul style="list-style-type: none"> <li>Is the e-mail address of the printer configured?</li> <li>Are the rest of the settings such as the SMTP server and POP3 server set correctly?</li> <li>Are the items or events to be notified of set correctly?</li> <li>Are the recipients' e-mail addresses set correctly?</li> </ul>              |
|                                                                    | Are the SMTP server and POP3 server running normally?<br>Ask your network administrator to see if the servers are running normally.                                                                                                                                                                                                                                                                                                                           |
| Some items are not displayed on job history                        | If you view the history of E-mail print jobs on CentreWare Internet Services, [Job Name], [Owner], [Host Name], [Host I/F], and [Job Submission Time] will be blank. The above items will be blank also on [Job History Report]. [Port] on [Job History Report] will be printed as [POP3].                                                                                                                                                                    |



# 7 Maintenance

## 7.1 Replacing Consumables

---

### Type of Consumable

---

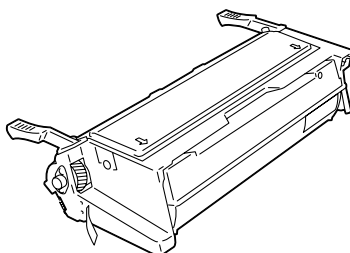
The following consumable is available for the printer. To order it, contact the dealer where you purchased the printer.

#### Important

- If you are not using the consumables recommended by Xerox, the performance of the printer may not be at its optimum level. Use only consumables recommended for this product
- The page yield of consumable varies depending on print requests, documents printed, and how often the power is switched on/off. For more information, refer to "Life of Consumables and Regular Replacement Parts" (P. 187).

#### ■ Print Cartridge

The print cartridge is one that integrates toner, a photoconductor (drum), and a development unit. The print cartridge needs replacement when output becomes light or print quality becomes poor. For information on when and how to replace the print cartridge, refer to "Life of Consumables and Regular Replacement Parts" (P. 187) and "Replacing the Print Cartridge" (P. 141).



| Product Name        | Product Code | Page Yield<br>(Reference Value) |
|---------------------|--------------|---------------------------------|
| Print cartridge 10K | 113R00737    | Approx. 10,000 pages            |

## Handling Consumables

---

- Do not store consumables upright.
- Do not unpack consumable parts until they are ready to be used.
- Avoid storing consumable parts in the following locations:
  - in high temperature and humidity
  - near heat sources
  - in direct sun light
  - in dusty places
- When using a consumable, make sure to follow the precautions stated on its packaging.
- We recommend you keep backup supplies of the consumable.

## Replacing the Print Cartridge

---

When the print cartridge is near or reaches the end of its life, the following message appears on the printer's control panel.

| Message                                                                    | Action                                                                                             |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Ready to print<br>Toner Cartridge<br>↑ ↓<br>Ready to print<br>Replace soon | The print cartridge does not need to be replaced right away, but have a new print cartridge ready. |

### Note

- The printer can be set to stop printing when the print cartridge has run out of toner. You can configure this setting on the control panel. Under this setting, the [Replace Toner Cartridge] message appears on the control panel. For details on how to configure the setting, refer to "[Toner Life]" (P. 99).

---

### WARNING

- Do not use a vacuum cleaner for cleaning the spilled toner. Use a broom or a damp cloth to clean any spills. Vacuumed toner within the cleaner may be ignited by an electrical spark and may cause injury.
- Never throw a print cartridge into fire. Remaining toner in the cartridge may catch fire and cause burn injuries. If you have a used print cartridge, contact your local Xerox representative for its disposal.

---

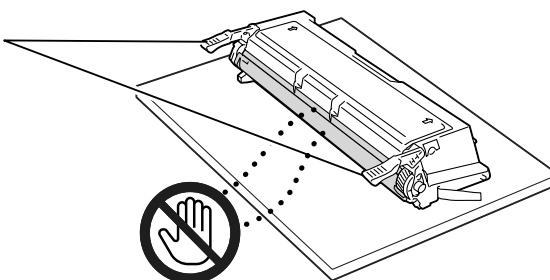
### CAUTION

- Keep the print cartridge out of reach of children. Should toner be swallowed, spit it out, rinse mouth with water and drink plenty of water. Consult a physician immediately.
  - When replacing the print cartridge, be careful not to spill the toner. In case of any toner spills, avoid contact with skin and clothing, as well as inhalation and contact with eyes and mouth.
  - In case of any toner spills onto your skin and clothing, wash with soap and water. Should toner particles get into your eyes, flush with plenty of water for at least 15 minutes until the irritation is gone. If necessary, seek medical treatment from a doctor. If toner particles are inhaled, move to a location with fresh air and gargle with plenty of water.
-

**Important**

- Make sure that the power is on when replacing the print cartridge. Switching the power off erases the print data in the printer and information accumulated in the memory.
- Do not expose the print cartridge to direct sunlight or strong light.
- Avoid exposure to strong light when installing the print cartridge and complete the installation in less than one minute.
- Do not touch the surface of the photoconductor (drum). Do not place the print cartridge upright or upside down. Doing so can damage the photoconductor (drum).
- The photoconductor (drum) protection shutter protects the photoconductor (drum) from exposure to light.
- Do not open the photoconductor (drum) protection shutter unless necessary.
- We recommend you use the print cartridge within one year after removing it from the packaging.
- Place the print cartridge only on a flat surface.

Place the side with the handles facing up.



## Replacement Procedure

---

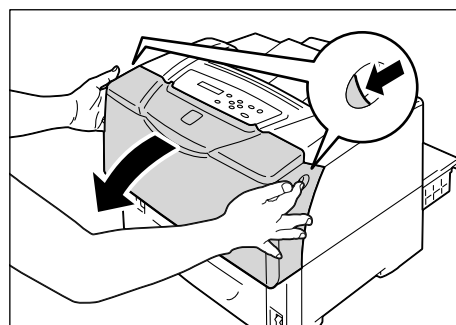
Use the following procedure to replace the print cartridge and to clean inside the printer.

1. If paper is loaded in Tray 1 (Bypass tray), remove the paper and close Tray 1 (Bypass tray) cover.

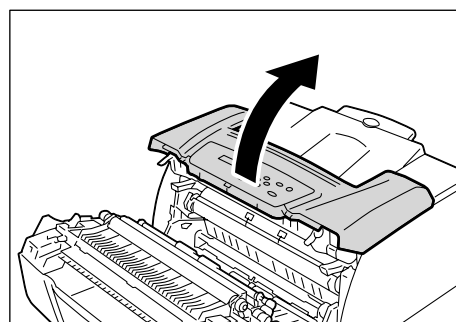
**Important**

- When closing Tray 1 (Bypass tray) cover, be careful not to get your fingers caught between (the left or right edge of) the cover and the printer.

2. Pull the front cover release levers ("A") towards you and open the front cover.



3. Open the top cover.





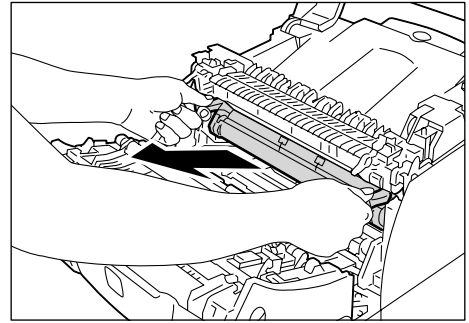
4. Hold the print cartridge by the handles as shown in the figure and remove the print cartridge from the printer.

**Note**

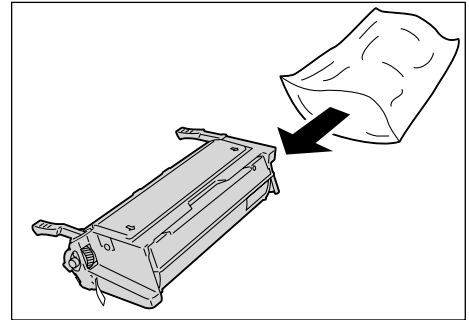
- When removing the print cartridge, slide the cartridge towards you.

**Important**

- Be careful not to dirty your hands or clothes with toner. If toner gets on your hands or clothes, wash it off immediately.

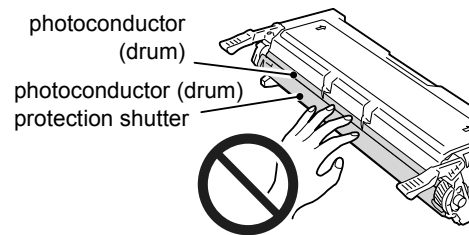


5. Remove the new print cartridge from its packaging.



**Important**

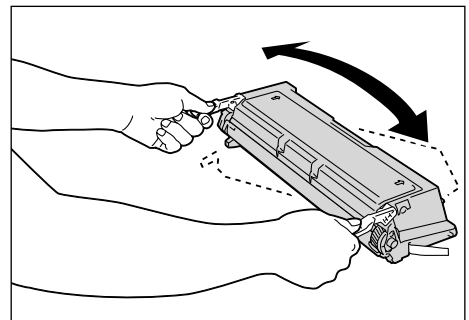
- Do not touch the photoconductor (drum) protection shutter and photoconductor (drum) of the print cartridge.



6. Hold the print cartridge horizontally. Gently shake the cartridge ten times or so in the direction shown in the figure to even out the toner inside.

**Important**

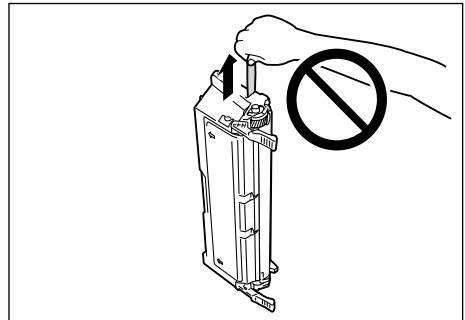
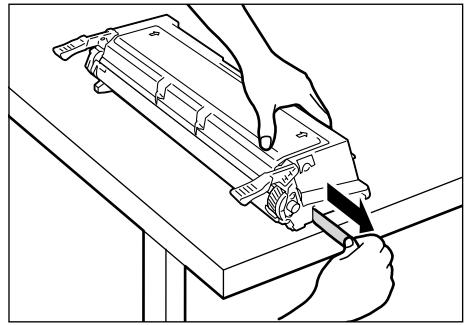
- Make sure to hold the cartridge by the handles at both ends as shown in the figure and slowly shake it.



7. Place the print cartridge on a flat surface, such as on a desk, with the handles facing you. Hold the end of the toner seal and slowly pull it out from the side of the cartridge.

**Important**

- Make sure to pull the toner seal straight out horizontally. If pulled out diagonally, the seal may rip.
- The toner seal will be approximately 70 cm long if pulled out properly. If the toner seal was not pulled out properly, contact the dealer where you purchased the printer.
- When pulling out the toner seal, a small amount of toner may spill out. Be careful not to dirty your hands or clothes with toner. If toner gets on your hands or clothes, wash it off immediately.
- When pulling out the toner seal, do not place the print cartridge upright. The seal may not be pulled out completely or may rip.
- Installing the print cartridge when the seal is ripped or is not completely pulled out can impair print quality, resulting in printer failure.
- After pulling out the toner seal, do not shake or bump the print cartridge.



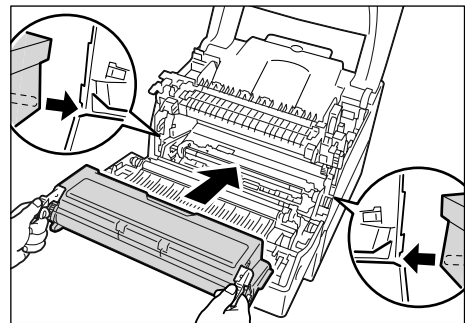
8. Hold the print cartridge by the handles as shown in the figure. Insert the print cartridge into the printer, sliding the projections on both sides of the cartridge along the arrow labels inside the printer.

**Note**

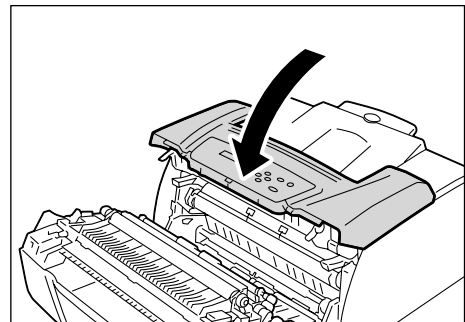
- Make sure that the print cartridge is firmly inserted into the printer.

**Important**

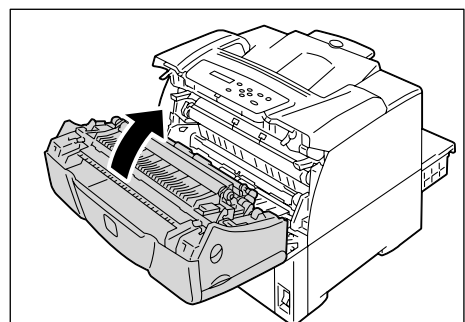
- Do not touch any parts inside the printer.



9. Close the top cover.



10. Close the front cover.



## 7.2 Printing Reports / Lists

This section describes various reports/lists that can be printed from the printer.

### Types of Reports / Lists

The printer can print the following reports/lists in addition to print jobs from its clients.

| Report/List Name<br>(Name on the Control Panel) | Required<br>Optional<br>Accessory | Description                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job History Report<br>(Job History)             | -                                 | Lists the last 22 print jobs processed on the printer. You can print this report to check the completion status of your job.<br>You can program your printer to automatically print this report after every 22 jobs using the control panel. For more details, refer to "[Auto Job History]" (P. 98).             |
| Error History Report<br>(Error History)         | -                                 | Lists the errors occurred in the printer.                                                                                                                                                                                                                                                                         |
| Meter Report<br>(Print Meter)                   | -                                 | Lists the number of printed pages/sheets to date by client (job owner).<br>This report cannot be printed when the Authentication feature is enabled. The [Auditron Report] can be printed instead.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>• "Checking the Meter Reading" (P. 160)</li></ul> |
| Auditron Report<br>(Print Meter)                | -                                 | When the Authentication feature is enabled, selecting [Print Meter] prints this report.<br>This report lists the number of pages /sheets printed to date by each user.<br><br><b>Refer to</b> <ul style="list-style-type: none"><li>• "Authentication and Auditron Administration Features" (P. 162)</li></ul>    |
| Printer Settings<br>(Printer Settings)          | -                                 | Lists the total number of prints, the printer's hardware configuration, network information, and the status of various settings. Print this list to see if the options are correctly installed on the printer.                                                                                                    |
| Panel Settings<br>(Panel Settings)              | -                                 | Lists the values of the settings configured on the control panel.                                                                                                                                                                                                                                                 |
| Font List<br>(Font List)                        | -                                 | Lists the supported ESC/P and PDF fonts.                                                                                                                                                                                                                                                                          |
| PCL Font List<br>(PCL Font List)                | -                                 | Lists the supported PCL fonts.                                                                                                                                                                                                                                                                                    |
| PostScript® Font List<br>(PS Font List)         | -                                 | Lists the supported PostScript fonts.                                                                                                                                                                                                                                                                             |
| User Defined List<br>(User Defined)             | -                                 | Lists the forms, logos, patterns registered in the ESC/P mode.                                                                                                                                                                                                                                                    |
| PCL Macro List<br>(PCL Macro List)              | -                                 | Lists the information about the PCL macros downloaded to the printer.                                                                                                                                                                                                                                             |

| Report/List Name<br>(Name on the Control Panel)   | Required<br>Optional<br>Accessory | Description                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESC/P Logical Printers List<br>(ESC/P Logical)    | -                                 | <p>Lists the settings of the logical printers 1 - 5 created in the ESC/P mode.</p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Logical printers can be created using CentreWare Internet Services. For more information, refer to the online help for CentreWare Internet Services.</li> </ul>  |
| PostScript® Logical Printers List<br>(PS Logical) | -                                 | <p>Lists the settings of the logical printers 1 - 5 created in PostScript.</p> <p><b>Note</b></p> <ul style="list-style-type: none"> <li>Logical printers can be created using CentreWare Internet Services. For more information, refer to the online help for CentreWare Internet Services.</li> </ul>      |
| Stored Document List<br>(Stored Documents)        | hard disk                         | <p>Lists the documents stored in the printer via the Secure Print/ Sample Print feature.</p> <p><b>Refer to</b></p> <ul style="list-style-type: none"> <li>"Printing Confidential Documents - Secure Print -" (P. 48)</li> <li>"Printing After Checking the Print Result - Sample Print -" (P. 52)</li> </ul> |



## <OK/Eject>Printing a Report/List

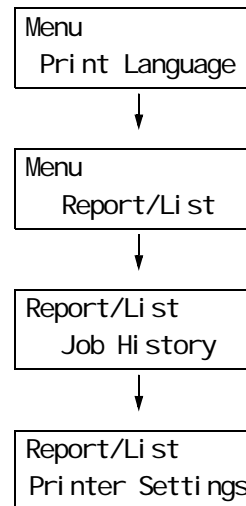
---

The reports/lists can be printed using the control panel. The following shows how to print the [Printer Settings] list. The procedure is the same also for other reports/lists.

**Note**

- The reports/lists are printed on A4 size paper.

1. Press the  <Menu> button to display the Menu screen
2. Press the <▼> button until [Report/List] is displayed.
3. Press the <▶> button to accept the selection.  
[Job History] is displayed.
4. Press the <▼> button until [Printer Settings] is displayed.
5. Press the  <OK/Eject> button to print the report.  
The report is printed.



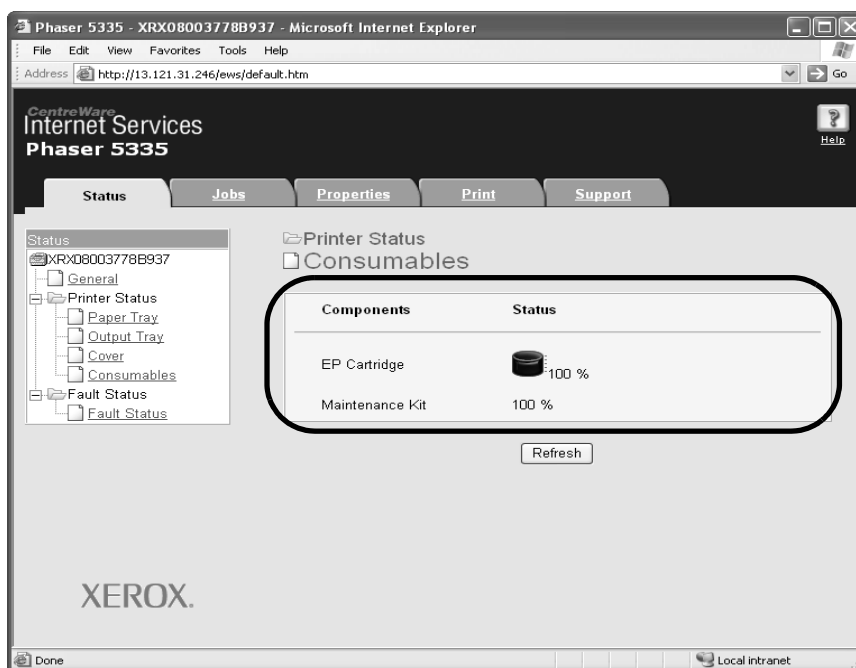
## 7.3 Monitoring/Managing the Printer on a Web Browser

---

When your printer is installed in a TCP/IP environment, you can monitor or remotely configure the printer using a web browser on a networked computer.

This feature is called CentreWare Internet Services.

CentreWare Internet Services can be used also to check the status of consumable and the levels of paper in the trays.



### Note

- For information on how to use CentreWare Internet Services, refer to "Configuring the Printer Using CentreWare Internet Services" (P. 12).
- CentreWare Internet Services cannot be used when using the printer as a local printer.

## 7.4 Checking the Printer Status via PrintingScout

PrintingScout is a tool that allows you to check the status of print jobs when your printer is local or when it is connected to an LPD port.

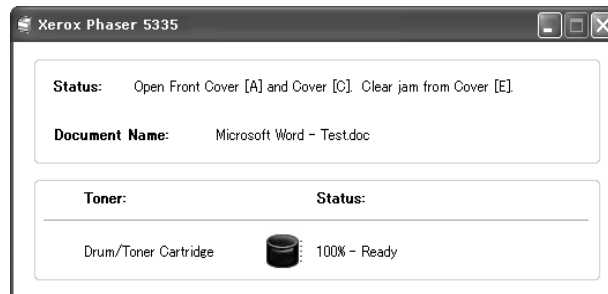
This tool runs on Windows operating systems and can be installed from the Software CD-ROM included with the printer.

### Note

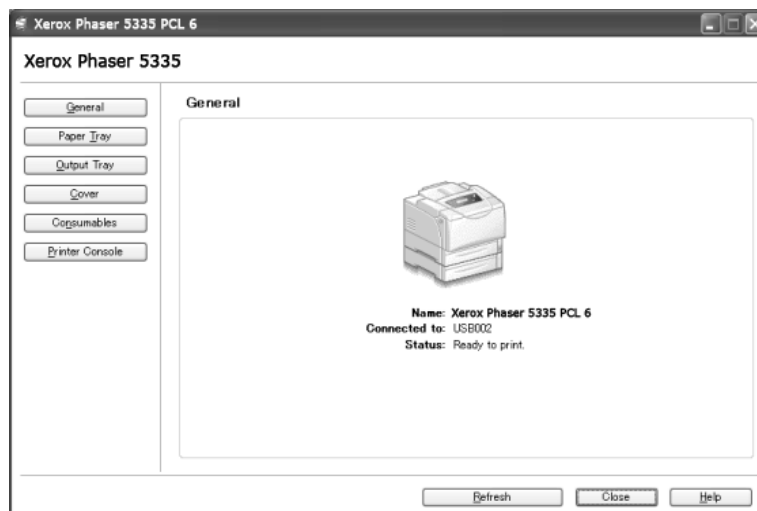
- For information on how to install PrintingScout, refer to the Documentaton CD-ROM.

PrintingScout can perform the following:

- If an error occurs while processing a print job, PrintingScout displays a window on your computer informing you of the error.



- PrintingScout displays the following window that shows the sizes and the amount of paper loaded in the paper trays, the status of the output tray, and the remaining life of the print cartridge (only when your printer is a local printer).



### Note

- If your printer is networked, you can check its status by accessing CentreWare Internet Services from PrintingScout.
- For more information about PrintingScout, refer to the online help provided for PrintingScout.

## 7.5 Checking the Printer Status via E-mail

---

If your printer is networked and set up for e-mail and TCP/IP communication, you can use the StatusMessenger.

- If you send the printer an e-mail asking for its status, the printer sends you the information by e-mail.

Example of e-mail from the printer

---

```
Subject : Re: test1
From : printer1@example.com
To : user1 < user1@example.com >

[Printer status]
- Ready.

[Network Information]
{Network}
F/W Version      : 8.06
Ethernet Address  : 08:00:37:11:22:33
Ethernet Settings : 10Base-T Half(AUTO)
TCP/IP Settings  : Manual
```

- The printer can send e-mail notification of errors (paper jams, consumable status, etc.) to the specified e-mail addresses. The recipients can periodically track the status of the print cartridge and can be aware of exactly when to replace it. The recipient of this notification should be your network administrator or a distribution list.

Example of e-mail from the printer

---

```
Subject : Status Message
From : printer1@example.com
To : user2 <user2@example.com>

[Status Message]
- Toner cartridge needs to be replaced soon.
```



## Setting the StatusMessenger Feature

To use the StatusMessenger feature, you must configure the network and e-mail environments of the printer. Ask your network administrator to find out if the following settings have been configured.

### Network Environment

- Create an e-mail account

### E-mail Environment (Printer)

Use CentreWare Internet Services to configure ports, an e-mail server, and the printer's e-mail address.

Set the following items under [Properties] in accordance with your e-mail environment.

#### Note

- After changing the settings, make sure to click [Apply] and reboot the printer.
- For details on each menu item, refer to the online help for CentreWare Internet Services.

| Page                                      | Setting Item                                                                                                                                                                                                                                                        | Description                                                                                                                                                                                                                       |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Status                               | StatusMessenger                                                                                                                                                                                                                                                     | Select [Enabled].                                                                                                                                                                                                                 |
| Protocol Settings<br>><br>E-mail          | Machine's E-mail Address, SMTP Server Address, SMTP Server Port Number, E-mail Send Authentication, Login Name (SMTP), Password (SMTP), POP3 Server Address, POP3 Server Port Number, Login Name (POP3), Password (POP3), POP3 Server Check Interval, APOP Settings | Configure the settings required for the printer to send/receive e-mails. Refer to this section for more information.                                                                                                              |
|                                           | Permitted E-mail Address                                                                                                                                                                                                                                            | If controlling e-mail reception, set the e-mail addresses of users who are permitted to send e-mails to the printer. If you do not specify addresses, the printer will accept e-mails from all users.                             |
|                                           | Password                                                                                                                                                                                                                                                            | When requiring users to enter a password when sending e-mails to the printer, select the [Use Password] check box for [Password for Read-Only Data] and enter the password.                                                       |
| Protocol Settings<br>><br>StatusMessenger | Recipient's E-mail Address 1 - 2                                                                                                                                                                                                                                    | Set the e-mail addresses of users who will be notified of changes in the printer's status (such as errors). You can set up to two e-mail addresses.                                                                               |
|                                           | Notification Items                                                                                                                                                                                                                                                  | Select the items you want to be notified of. <ul style="list-style-type: none"><li>• Consumables Status</li><li>• Paper Jam Status</li><li>• Printer Booting</li><li>• Login Error</li><li>• Items other than the above</li></ul> |

## Checking the Printer Status via E-mail

---

Follow these guidelines when sending an e-mail to the printer.

- Use the e-mail application on your computer and enter the printer's e-mail address in the "To:" field.
- The subject can be whatever you like.
- Enter the following commands observing the rules described below.

### Note

- The method of sending e-mails varies depending on the application being used. Consult the documentation for your e-mail application.

### ■ Supported Commands

| Command      | Parameter | Description                                                                                                                                                       |
|--------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #Password    | Password  | When [Password for Read-Only Data] is set, make sure to start your e-mail with this command. When the password is not set, you do not need to enter this command. |
| #NetworkInfo | -         | Specify this command when you want to obtain the network setting information.                                                                                     |
| #Status      | -         | Specify this command when you want to obtain the printer's status.                                                                                                |

### ■ Command Entry Rules

Follow these guidelines when entering commands on e-mails.

- Commands are not case sensitive.
- If [Password for Read-Only Data] is set, start your e-mail with "#Password".
- Prefix each command with "#". Command that does not start with "#" will be ignored.
- Place only one command per line and separate each command or parameter with a space or a tab.
- When the same command is entered more than one time in one e-mail, only the first one will be valid and the rest will be ignored.

### ■ Example

1. If you want to obtain the printer's status when [Password for Read-Only Data] is not set, enter:

```
#Status
```

2. If you want to obtain the printer's status and network setting information when [Password for Read-Only Data] is set to "ronly", enter:

```
#Password      ronly
#Status
#NetworkInfo
```

## 7.6 Security Features

This section explains various security features of the printer and how to configure them. The information in this section is intended for the system administrator of the printer. For details on each feature, refer to the reference pages in the following table.

| Feature                                           | Description                                                                                                                                                                                                                                                                                                                                         | Refer to                                                                        |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| SSL data encryption for HTTP communication        | When sending data to your printer over a network, the transmission can be encrypted using SSL.<br><br><b>Note</b> <ul style="list-style-type: none"><li>To use this feature, the network expansion card (optional) must be installed.</li></ul>                                                                                                     | "SSL Data Encryption for HTTP Communication" (P. 153)                           |
| Secure Print                                      | When printing a confidential document or document that you do not want third parties to see, you can temporarily store the document in the printer and print it after entering a password on the control panel.<br><br><b>Note</b> <ul style="list-style-type: none"><li>To use this feature, the hard disk (optional) must be installed.</li></ul> | "Printing Confidential Documents - Secure Print -" (P. 48)                      |
| Data reception control by IP address              | Data reception on the printer can be controlled by registering the IP address of computers that are permitted to send data.                                                                                                                                                                                                                         | "[IP Filter]" (P. 93) or<br>"Controlling Data Reception by IP Address" (P. 158) |
| Control panel lock                                | The user access to the control panel can be controlled using a password.                                                                                                                                                                                                                                                                            | "[Panel Settings]" (P. 96)                                                      |
| User access control by the Authentication feature | Print requests from computers can be controlled using the printer's Authentication feature.                                                                                                                                                                                                                                                         | "Authentication and Auditron Administration Features" (P. 162)                  |

### SSL Data Encryption for HTTP Communication

If the network expansion card (optional) is installed, enabling SSL/TLS server communication allows you to encrypt HTTP communication between the printer and clients over a network.

There are two ports that support HTTP communication: internet service port and IPP port.

This feature allows you to encrypt information exchanged between the printer and CentreWare Internet Services and print data sent to the printer using an IPP port.

To encrypt data transmission, you must use SSL/TLS protocol. To decode encrypted data, a certificate for SSL/TLS is required.

A certificate can be created using CentreWare Internet Services.

## To Enable Data Encryption

The following explains how to create a certificate on CentreWare Internet Services and set various settings required to enable data encryption. For more information, refer to the online help provided for CentreWare Internet Services.

### Note

- If you install the network expansion card (optional) used on this printer to another printer, the certificate created for this printer will be deleted and the settings for SSL/TLS server communication will become invalid. If using the network expansion card on another printer, create a certificate again for the new printer.

1. Launch your web browser and access CentreWare Internet Services.

### Note

- For information on how to access CentreWare Internet Services, refer to "Configuring the Printer Using CentreWare Internet Services" (P. 12).

2. Click the [Properties] tab.
3. From the menu displayed on the left, click [SSL/TLS Server Communication] under [Security].  
The [SSL/TLS Server Communication] page is displayed.

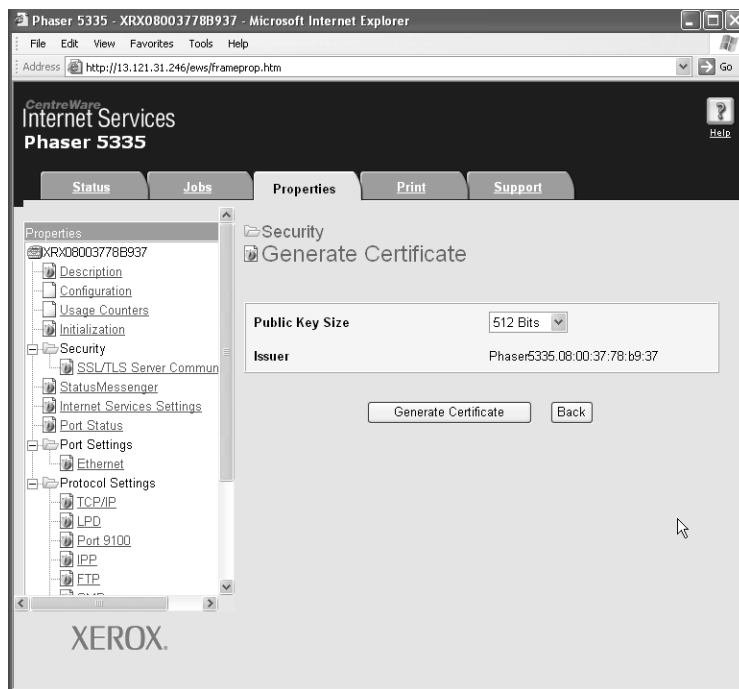


4. Click [Generate Self-Signed Certificate] to create a certificate.
5. A window that prompts you to enter a user ID and password appears. Enter the administrator's user ID and password and click [OK].

### Note

- The default user ID and password are "11111" and "x-admin", respectively.

6. On the displayed page, set [Public Key Size] and click the [Generate Certificate] button.



7. A page that allows you to reboot the printer is displayed. On the page, click the [Reboot Machine] button.
8. After rebooting the printer, refresh your browser window.
9. From the menu on the left, click [SSL/TLS Server Communication] again and display the [SSL/TLS Server Communication] page.
10. Select the [Enabled] check box for [SSL/TLS Server Communication].



11. Set [SSL/TLS Server Communication Port Number].

**Note**

- The SSL/TLS port number should not be the same as the HTTP port number.

12. Click the [Reboot Machine] button and reboot the printer.

## Accessing CentreWare Internet Services when Data Encryption is Enabled

---

When data encryption is enabled, enter "https" instead of "http" before the address when accessing CentreWare Internet Services.

- Example of IP address

https://192.168.1.100/

- Example of internet address

https://xxx.yyyy.zz.vvv/

**Note**

- If you reboot CentreWare Internet Services, [Certificate Management] appears on the [Properties] tab. On the [Certificate Management] page, you can verify or delete certificates.
- If you changed the port number, enter a ":" (colon) and then the new port number after the address.  
Example: https://printer's IP address:port number/

## Enabling Data Encryption

---

To encrypt print data sent to the printer, you must use an IPP port on the printer.

When the printer's IPP port is disabled (the default is [Enable]), refer to "Enabling Ports" (P. 10) and enable the port. Then, install a print driver on your computer and set the output port to IPP.

The following describes how to install a print driver on your computer.

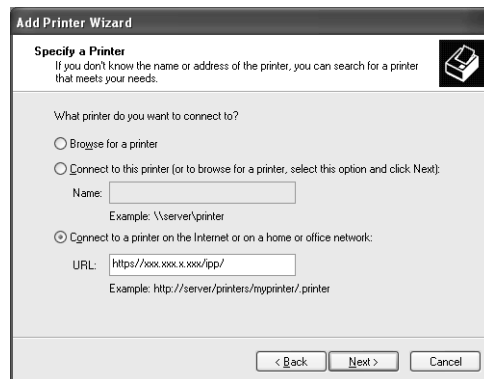
The procedure uses Windows XP as an example.

**Note**

- For information on how to install a print driver on your computer, refer to the Documentaton CD-ROM.

1. From the Windows [Start] menu, select [Printers and Faxes].
2. From [Printer Tasks], select [Add a printer].
3. In the [Add a Print Wizard] window, click [Next].
4. Select [A network printer, or a printer attached to another computer], and then click [Next].

5. Select [Connect to a printer on the Internet or on a home or office network], and then enter the following URL into [URL]:  
https://IP\_Address/ipp/  
(where IP\_Address is the IP address of the printer).  
Click [Next].



6. Click [Have Disk].
7. In the dialog box displayed, enter the following path:  
x:\Art\_ex\Win2000\_XP  
(where x is the CD-ROM drive.)  
Click [OK].
8. Select the print driver, and then click [OK].
9. Set whether to use this printer as the default printer by selecting [Yes] or [No], and then click [Next].
10. Click [finish] to finish the setting.

## Controlling Data Reception by IP Address

When the printer uses an LPD port or Port9100 port, the printer can deny or accept data from certain IP addresses. The following explains how to set this feature using CentreWare Internet Services.

Before configuring the setting, disable the print ports other than an LPD port or Port9100 port.

### Note

- To set this feature on the control panel, refer to "[IP Filter]" (P. 93).
- This feature can be used only when the printer uses LPD or Port9100.

1. Launch your web browser and access CentreWare Internet Services.

### Note

- For information on how to access CentreWare Internet Services, refer to "Configuring the Printer Using CentreWare Internet Services" (P. 12).

2. Click the [Properties] tab.
3. From the menu on the left, click [Protocol Settings] and then [LPD] or [Port9100].
4. Click [IP Filter].
5. Enter the IP addresses/address masks you want to control access from and select the type of access ([Reject], [Permit], or [Off]). The IP addresses/address masks should be series of four numbers between 0 and 255. The current value is indicated with an asterisk (\*).
6. When you are finished with the setting, click the [Apply] button located at the bottom of the right frame and reboot the printer.

### Note

- If you do not want to apply your new settings and want to reset them to the original values, click [Undo].
- When you are prompted to enter the administrator's ID and password, enter the ID and password and click [OK].

## ■ Examples of IP Filter Setting

You can set a maximum of five IP addresses/address masks, and the first pair will have a priority. If entering multiple addresses, enter the address that covers the smallest area first.

1. To permit printing from a specific user:

Example:

Permit printing from "192.168.100.10"

| Access List | IP Address | Address Mask | Operation Mode |    |     |     |     |     |        |
|-------------|------------|--------------|----------------|----|-----|-----|-----|-----|--------|
| 1           | 192        | 168          | 100            | 10 | 255 | 255 | 255 | 255 | Permit |
| 2           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 3           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 4           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 5           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |

Hosts that are not in the list will be rejected.



2. To reject printing from a specific user:  
Example:  
Reject printing from "192.168.100.50"

| Access List | IP Address | Address Mask | Operation Mode |    |     |     |     |     |        |
|-------------|------------|--------------|----------------|----|-----|-----|-----|-----|--------|
| 1           | 192        | 168          | 100            | 50 | 255 | 255 | 255 | 255 | Reject |
| 2           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | Permit |
| 3           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 4           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 5           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |

Hosts that are not in the list will be rejected.

3. To permit printing from a specific network address, reject printing from a particular address within the network, but permit printing from a particular user within the rejected address:  
Example:  
(1) Permit printing from "192.168.200.10"  
(2) Reject printing from "192.168.200.xxx" excluding (1)  
(3) Permit printing from "192.168.xxx.xxx" excluding (2)

| Access List | IP Address | Address Mask | Operation Mode |    |     |     |     |     |        |
|-------------|------------|--------------|----------------|----|-----|-----|-----|-----|--------|
| 1           | 192        | 168          | 200            | 10 | 255 | 255 | 255 | 255 | Permit |
| 2           | 192        | 168          | 200            | 0  | 255 | 255 | 255 | 0   | Reject |
| 3           | 192        | 168          | 0              | 0  | 255 | 255 | 0   | 0   | Permit |
| 4           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |
| 5           | 0          | 0            | 0              | 0  | 0   | 0   | 0   | 0   | *Off   |

Hosts that are not in the list will be rejected.

## 7.7 Checking the Meter Reading

The printer can count the number of printed pages/sheets by a different category such as computer.

### Checking the Meter Reading (Meter)



The total number of prints can be viewed on the control panel.

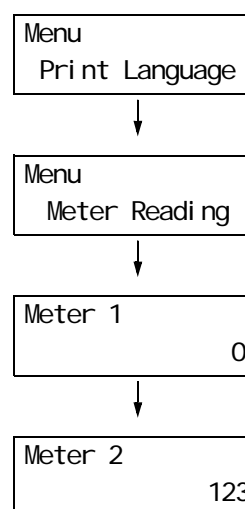
|         |                                                 |
|---------|-------------------------------------------------|
| Meter 1 | Normally not in use                             |
| Meter 2 | Displays the total number of monochrome prints. |
| Meter 3 | Normally not in use                             |
| Meter 4 | Displays the total number of monochrome prints. |

#### Note

- If you print a job 2 sided, depending on the application being used and the print quantity setting, the application may insert a blank page into the job. In such case, the blank page is counted as "1 page" and will be included in the meter count.
- The meter count displayed in the meter 4 is the same as that displayed in the meter 2.

Use the following procedure to check the meter reading on the control panel:

1. Press the  <Menu> button on the control panel to display the menu screen.
2. Press the <▼> button until [Meter Reading] is displayed.
3. Press the <▶> button to accept the selection.  
[Meter 1] is displayed.
4. Press the <▼> button to display [Meter 2].
5. When you are finished checking the meter, press the  <Menu> button to return to the print screen.



## Checking the Meter Reading by Computer (Meter Report)

The [Meter Report] shows the number of printed page/sheets for each computer (job owner).

The [Meter Report] can be printed from the control panel.

### Note

- When the Authentication and Auditron Administration features are enabled, you can print the [Auditron Report] instead of the [Meter Report].
- If you enable the Authentication and Auditron Administration features, the meter counts will reset to "0".

### Refer to

- For information on how to print the [Meter Report], refer to "Printing Reports / Lists" (P. 145).

## Meter Report

The [Meter Report] lists the following items.

| Job Owner Name | Pages | Sheets |
|----------------|-------|--------|
| User1          | 549   | 549    |
| User2          | 2     | 1      |
| User3          | 1     | 1      |
| UnknownUser    | 1     | 1      |
| Report/List    | 0     | 0      |
| Total          | 553   | 552    |

|                |                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Job Owner Name | Up to 200 owner names can be printed. The print count of the 201th job owner or a user without a job owner name will be listed under "UnknownUser" (second from the last row). The printing of this report is also counted in "Report /List" (the last row in the report). |
| Pages - Total  | Total number of pages printed. Printed pages are counted after every print job.                                                                                                                                                                                            |
| Sheets - Total | Total number of sheets printed. Printed sheets are counted after every print job.                                                                                                                                                                                          |

## 7.8 Authentication and Auditron Administration Features

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The printer provides the Authentication and Auditron Administration features. The Authentication feature controls access to the printer's features. Whereas the Auditron Administration feature manages the use of each printer's feature.

This section briefly explains the overview of the Authentication and Auditron Administration features and the settings required for both features. The information in this section is intended for system administrators.

### **Overview of the Authentication and Auditron Administration Features**

---

Enabling the Authentication and Auditron Administration features allows you to limit user access to the printer and manage and count the number of sheets printed by each user.

#### **Restricted Features**

---

The Authentication and Auditron Administration features control the use of the following features.

##### **■ Printing from Computers**

Depending on the type of your print job, the use of the following features are restricted.

| Job Type                                                                                                 | Restricted Features                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printing using a print driver                                                                            | You must set the login information such as your user ID and password on your print driver. Only jobs with login information that matches the information registered on the printer can be printed. When you are only permitted to print certain number of pages, you are not allowed to print if the number has reached the maximum. |
| Printing without using a print driver (when, using emulation, such as ESC/P or the E-mail Print feature) | You are allowed to print only when the [Non-account Print] setting on CentreWare Internet Services is set to [Enabled]. This setting is disabled by default.                                                                                                                                                                         |

## Auditron Administration Feature

---

When the Authentication and Auditron Administration features are enabled, you can print the [Auditron Report] instead of the [Meter Report].

The [Auditron Report] lists the number of pages /sheets printed to date by each user.

### Note

- The meter counts listed on this report are those from the time when the Authentication and Auditron Administration features were enabled.  
Disabling the Authentication and Auditron Administration features resets the meter counts.

### Refer to

- For information on how to print the [Auditron Report], refer to "Printing Reports / Lists" (P. 145).

| User ID | User Name   | Account Limit |         | Total Impressions |       | Sheets Printed |
|---------|-------------|---------------|---------|-------------------|-------|----------------|
|         |             | Black         | Color   | Black             | Color |                |
| 1       | User01      | 9999000       | 9999999 | 0                 | 0     | 0              |
| 2       | User01      | 1000          | 9999999 | 0                 | 0     | 0              |
|         | Report/List |               |         | 150               | 0     | 150            |
|         | Total       |               |         | 150               | 0     | 150            |

## Configuring the Authentication and Auditron Administration Features

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### Enabling User Authentication

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To enable the Authentication feature, set [Admin Menu] > [System Settings] > [Print Auditron] to [On] on the control panel, or set [Print Auditron] to [Enabled] on CentreWare Internet Services.

Then, on CentreWare Internet Services, register the login information of users who are granted access to the printer. The printer accepts or denies access based on the user IDs and passwords registered on CentreWare Internet Services.

## Registering Login Information on the Printer

---

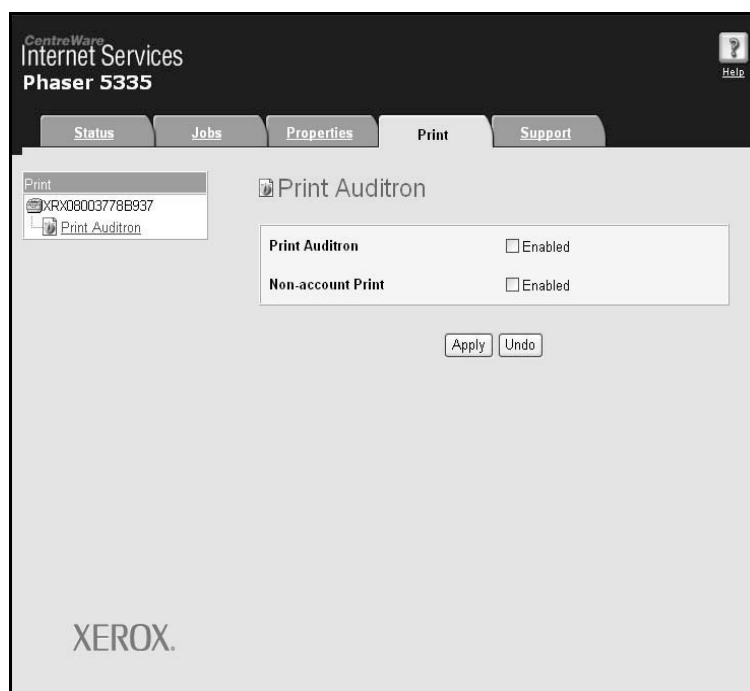
The following briefly explains how to enable the Authentication feature on CentreWare Internet Services and register users who are permitted to use the printer. For details about each setting item, refer to the online help for CentreWare Internet Services.

1. Launch your web browser and access CentreWare Internet Services.

**Note**

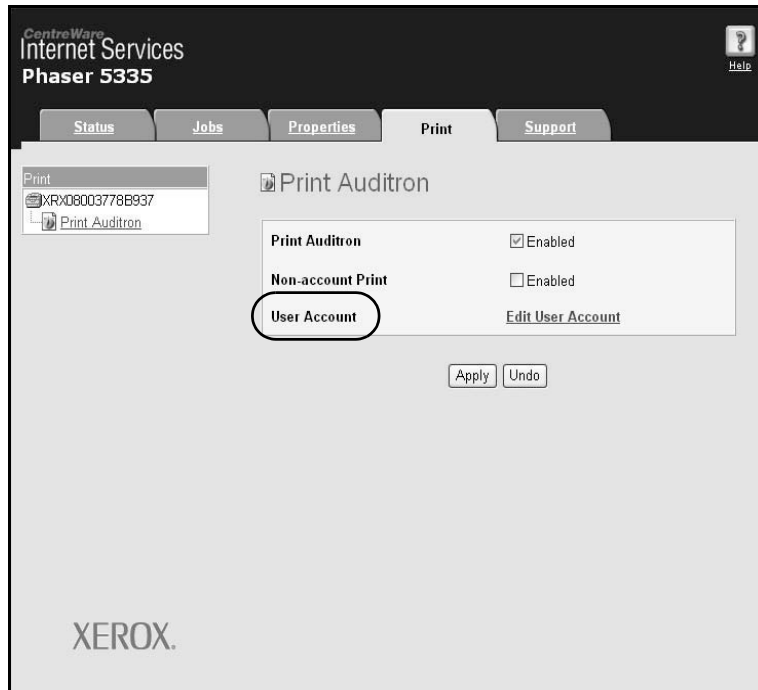
- For information on how to access CentreWare Internet Services, refer to "Configuring the Printer Using CentreWare Internet Services" (P. 12).
- If you are prompted to enter the administrator's ID and password, enter the ID and password and click [OK].

2. Click the [Print] tab.  
The [Print Auditron] screen is displayed.

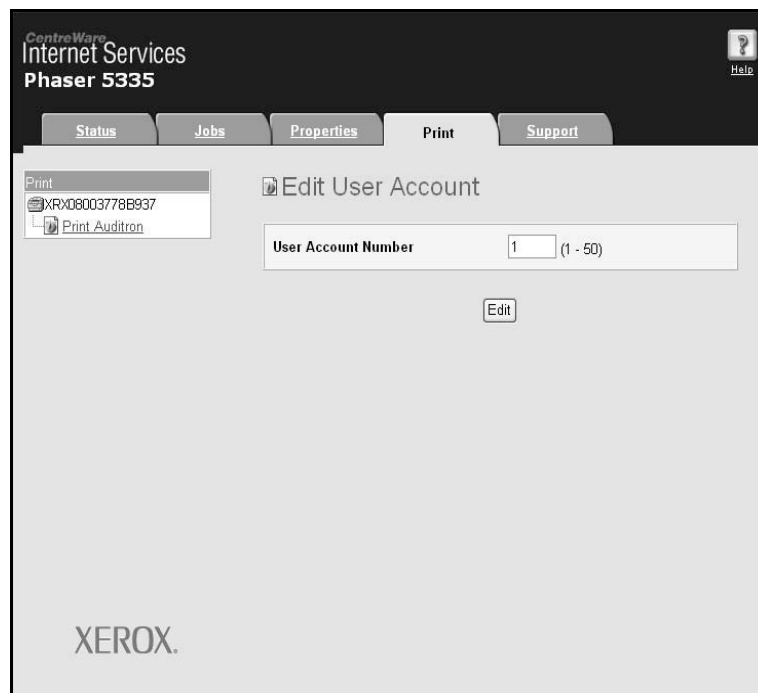


3. Select the [Enabled] check box under [Print Auditron].
4. When you want to permit printing without using a print driver, select the [Enable] check box under [Non-account Print].
5. Click [Apply].
6. A window that prompts you to reboot the printer appears. On the window, click [Reboot Machine].
7. When the printer is rebooted, refresh the web browser.

8. Verify that [User Account] is displayed on the [Print Auditron] page.



9. Click [Edit User Account].
10. On the [Edit User Account] page, enter [User Account Number] and click [Edit].



11. On the displayed page, enter each field and click [Save].

The screenshot shows the 'Edit User Account' page in the Xerox CentreWare Internet Services interface for a Phaser 5335 printer. The page has a dark header with the Xerox logo and 'CentreWare Internet Services Phaser 5335'. Below the header are tabs for 'Status', 'Jobs', 'Properties', 'Print', and 'Support'. The 'Print' tab is active, showing a sidebar with 'Print' and 'Print Auditron' options. The main content area is titled 'Edit User Account' and contains the following fields:

|                           |                                               |
|---------------------------|-----------------------------------------------|
| User Account Number       | 1 (New Entry)                                 |
| User Name                 | <input type="text"/>                          |
| Password                  | <input type="password"/>                      |
| Color Access              | *Free Access <input type="button" value="v"/> |
| Color Print Limit         | 9999900 Pages (100 - 9999900)                 |
| Color Printed Impressions | 0 Pages                                       |
| Black Print Limit         | 9999000 Pages (1000 - 9999000)                |
| Black Printed Impressions | 0 Pages                                       |

At the bottom of the form are three buttons: 'Save', 'Undo', and 'Back'. The Xerox logo is visible in the bottom left corner of the page.

**Note**

- The user ID and password set on this page will be used also on your print driver.

12. If registering more than one user, click the [back] button and repeat Steps 10 and 11.



## Registering the Login Information on the Print Driver (Computer)

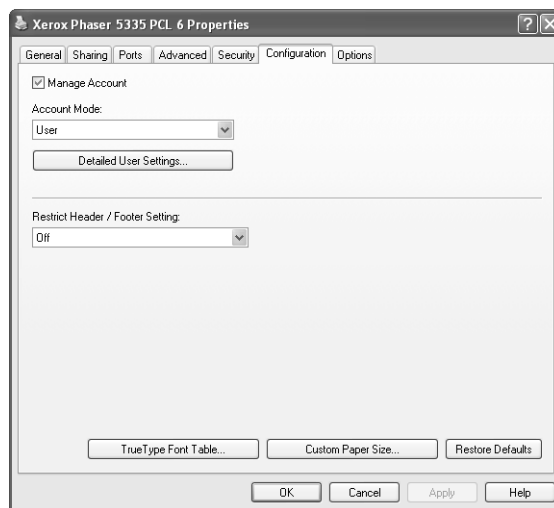
Configure the following settings under the Properties dialog box on your print driver. The printer will not print unless the user ID and password entered on your print driver match those registered on the printer. The following procedure explains how to set the login information on your print driver.

The procedure uses Windows XP as an example.

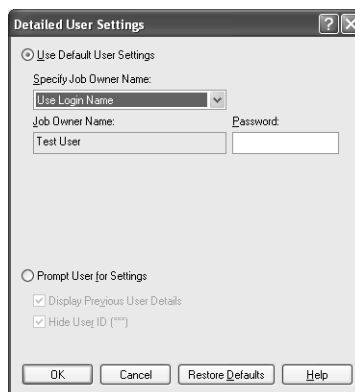
### Note

- For information on each setting item on your print driver, refer to the online help provided for the print driver.

1. From the Windows [Start] menu, select [Printers and Faxes].
2. Select to highlight the printer and then select [Properties] from the [File] menu.
3. On the [Configuration] tab, click [Detailed User Settings] to display the [Detailed User Settings] dialog box.



4. Set each item, and then click [OK] to close the dialog box.



5. Click [OK] to close the Properties dialog box.

## 7.9 Cleaning the Printer

---

This section explains how to clean the printer to keep it in good condition and to ensure optimum print quality.

---

### CAUTION

- Before cleaning this product, ensure to switch off and unplug the product from the electrical outlet. Accessing the machine interior when it is powered on can cause electrical shocks which can lead to injuries.
- 

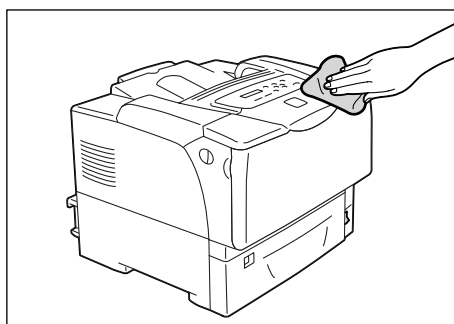
## Cleaning the Exterior

---

Clean the exterior of the printer monthly or more often if needed. To clean the exterior surfaces, wipe them with a soft, damp cloth moistened with water. Then, wipe off any excess water with a soft dry cloth. If dirt or smudges do not come off easily, gently wipe them off with a soft, damp cloth moistened with a small amount of gentle cleanser.

### Important

- Do not spray cleaning products directly on the printer. The fluid may seep through the cracks and cause problems. Do not use cleaning agents other than gentle cleansers.

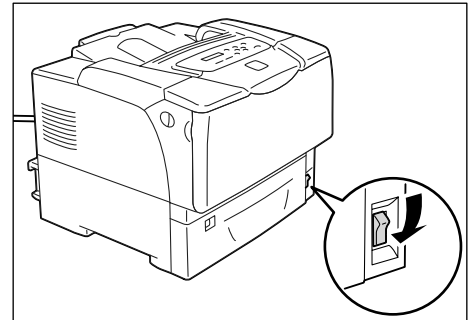


## Cleaning the Rib Plate

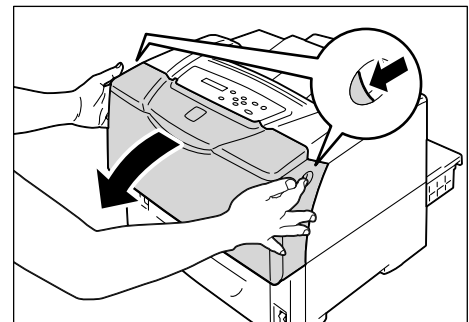
---

Clean the rib plate when output is faded vertically in paper feed direction, white streaks appear on output, or the outline of black area or text is blurred.

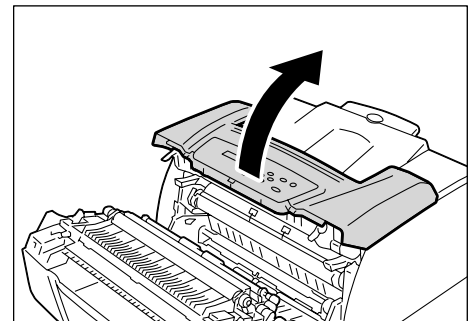
1. Switch the power off by pressing the power switch located on the front lower right of the printer to the <O> position.
2. Unplug the power cord from the power outlet and the printer.



3. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.



4. Open the top cover.



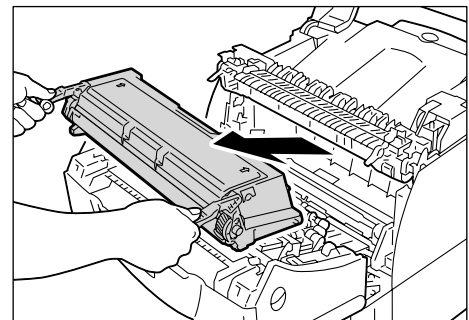
5. Hold the print cartridge by the handles as shown in the figure, and remove the cartridge from the printer.

### Note

- When removing the print cartridge, slide it towards you.

### Important

- Be careful not to dirty your hands or clothes with toner. If toner gets on your hands or clothes, wash it off immediately.



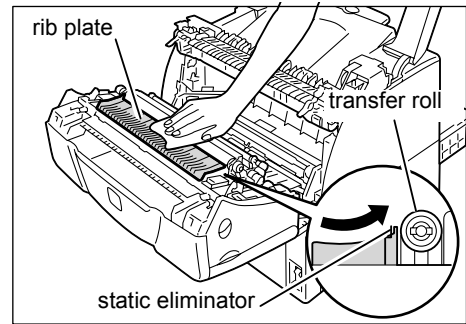
### Note

- After removing the print cartridge, do not place the cartridge upright or upside down. Avoid placing the cartridge in direct sunlight or in dusty places. Place the cartridge on a flat surface.

6. Wipe the dirt on the rib plate with a soft dry cloth.

**Important**

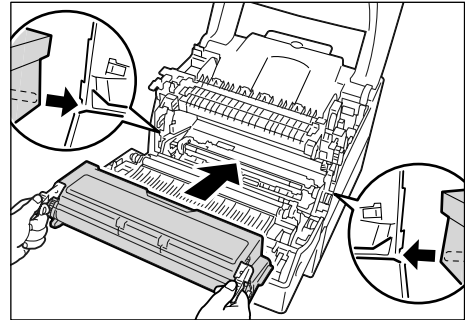
- Do not touch the transfer roll and the static eliminator.



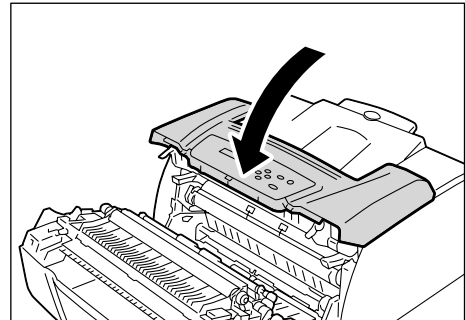
7. Insert the print cartridge back into the printer.

**Note**

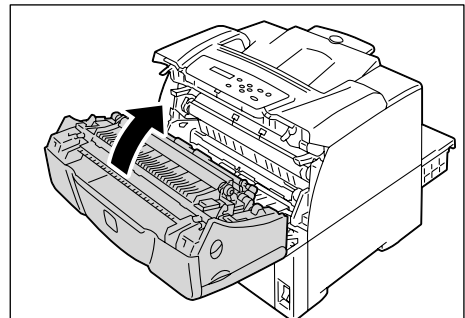
- Hold the print cartridge by the handles as shown in the figure. Insert the print cartridge into the printer, sliding the projections on both sides of the cartridge along the arrow labels inside the printer.
- Make sure that the print cartridge is firmly seated in the printer.



8. Close the top cover.



9. Close the front cover.
10. Plug the power cord to the connector on the rear side of the printer. Then plug the other end of the power cord into a power outlet.
11. Switch the power on by pressing the power switch located on the front lower right of the printer to the <|> position.

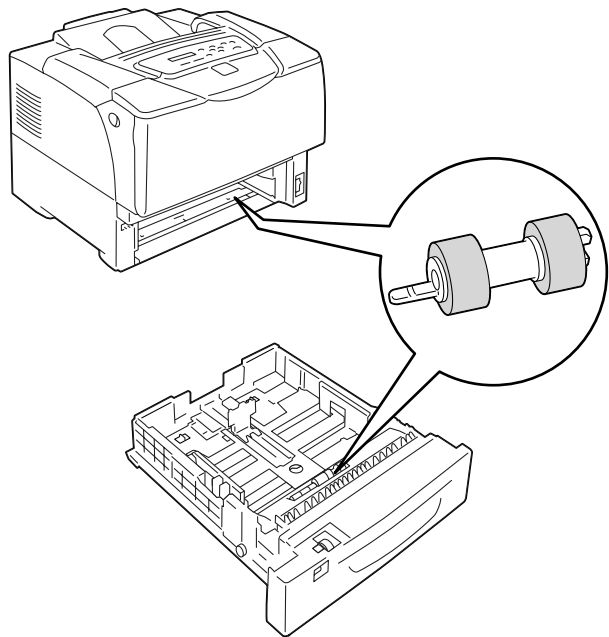
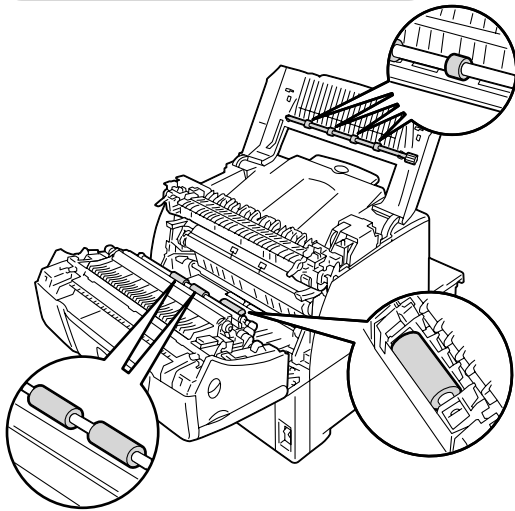


## Cleaning the Feed Rolls

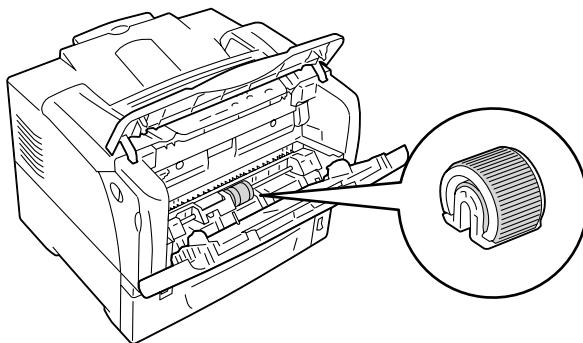
If you load postcards with pre-printed pictures, the anti set-off powder sticks to the feed rolls, preventing the postcards from being fed properly. If this happens, wipe the feed rolls thoroughly with soft, damp cloth moistened with water.

The feed rolls can be found in the following locations. Clean each feed roll according to the instructions provided for each location.

"Feed Rolls Inside the Printer" (P. 172)



"Cleaning the Feed Rolls for the Trays 2 - 5"



"Feed Roll for Tray 1 (Bypass Tray)" (P. 176)

## Feed Rolls Inside the Printer

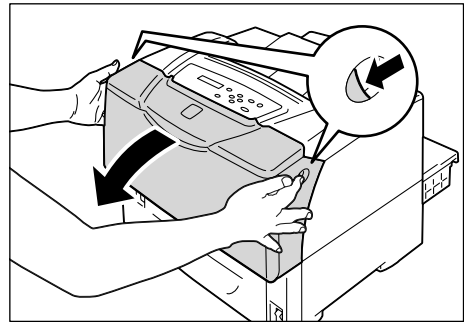
---

1. If paper is loaded in Tray 1 (Bypass tray), remove the paper and close Tray 1 (Bypass tray) cover.

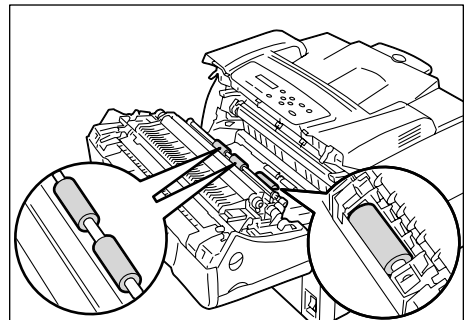
### Important

- When closing Tray 1 (Bypass tray) cover, be careful not to get your fingers caught between (the left and right edge of) the cover and the printer.

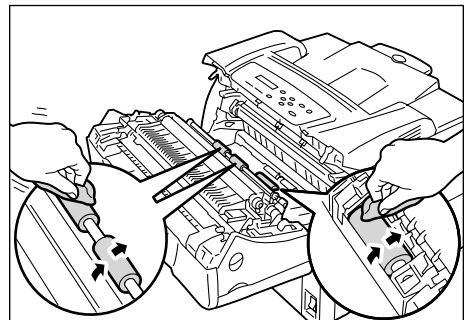
2. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.



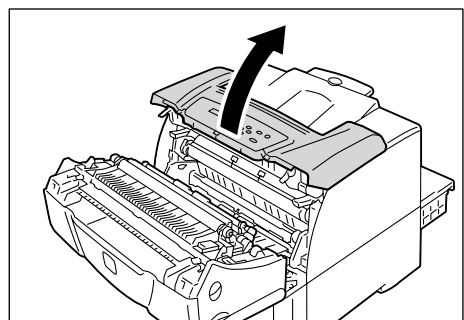
3. Identify the location of the feed rolls.



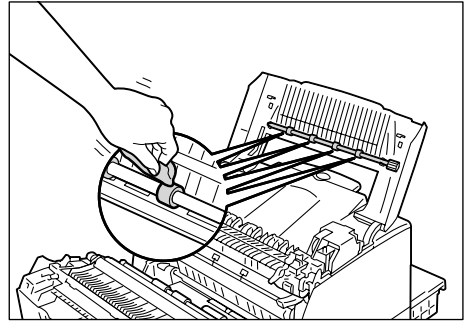
4. While rotating the feed rolls, wipe the rubber part with a soft, damp cloth moistened with water.



5. Open the front cover.



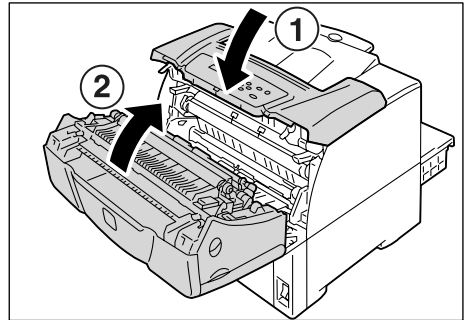
6. While rotating the feed rolls, wipe the rubber part with a soft, damp cloth moistened with water.



7. Close the top cover and then the front cover.

**Important**

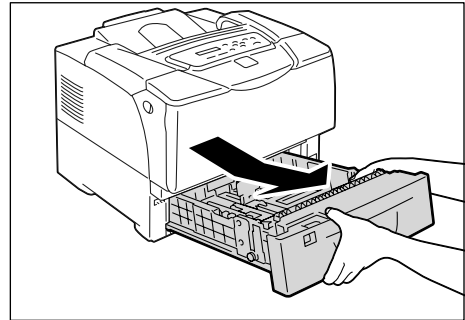
- When closing the front cover, be careful not to get your fingers caught between (the left, right, top, or bottom edge of) the cover and the printer.



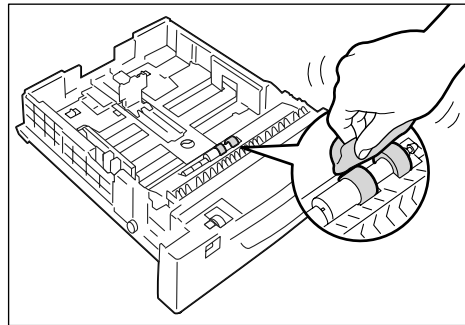
## Cleaning the Feed Rolls for the Trays 2 - 5

The following explains how to clean the feed rolls for Tray 2. The procedure is the same for all trays.

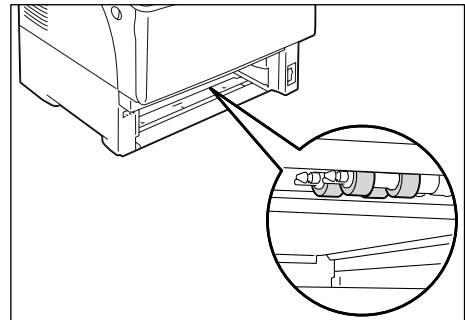
1. Pull out the tray until it stops. Hold the tray with both hands, lift it up slightly, and then pull it out completely.



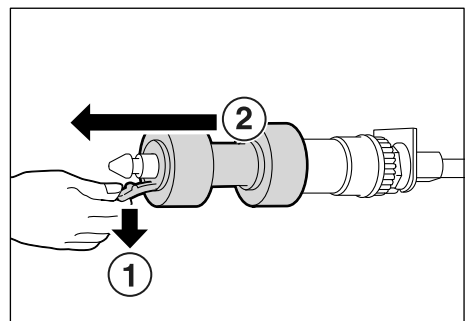
2. Open the roll cover by holding its both sides. While rotating the feed roll, wipe the rubber part with a soft, damp cloth moistened with water.



3. Clean the feed rolls inside the printer. First, identify the location of the feed rolls. There are two orange feed rolls on the upper side of the tray slot.



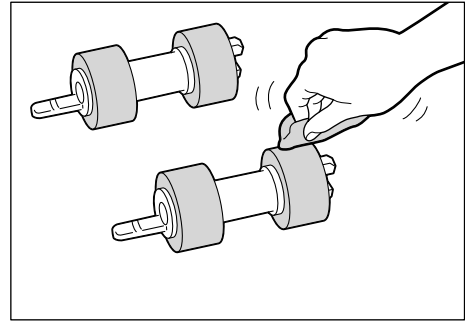
4. Remove the tab of the feed roll on the front shaft to unlock the feed roll, and pull the feed roll out of the shaft.



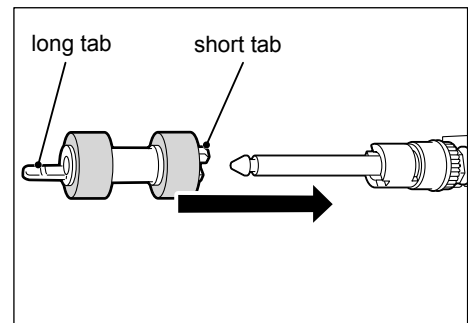
5. Remove the feed roll from the back shaft in the same manner.



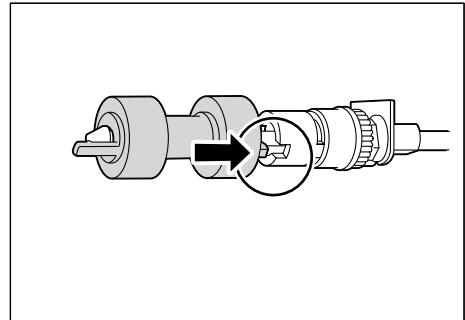
6. Wipe the rubber part of both feed rolls thoroughly with a soft, damp cloth moistened with water.



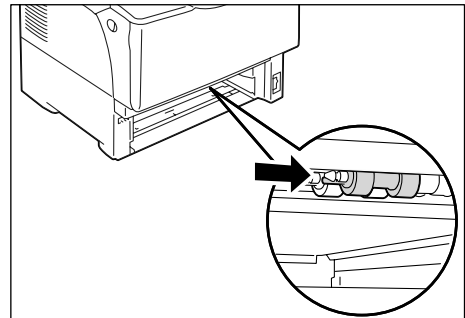
7. After cleaning the feed rolls, reinstall them in the printer. Place one of the feed rolls on the back shaft from the side with the short tab first.



8. Align the short tab of the feed roll with the indentation on the shaft, and push the feed roll firmly onto the shaft.



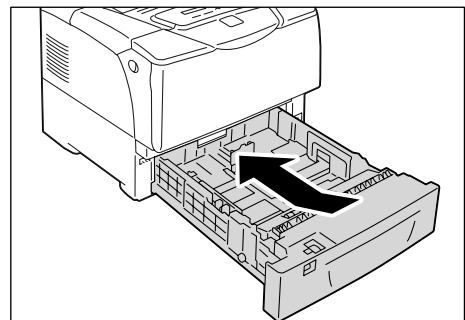
9. Place other feed roll back on the front shaft in the same manner.



10. Push the tray all the way into the printer.

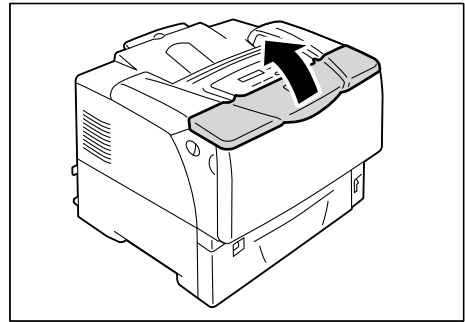
**Important**

- When inserting the tray, be careful not to get your fingers caught between the tray and the printer or another tray (if the optional sheet feeders are installed).

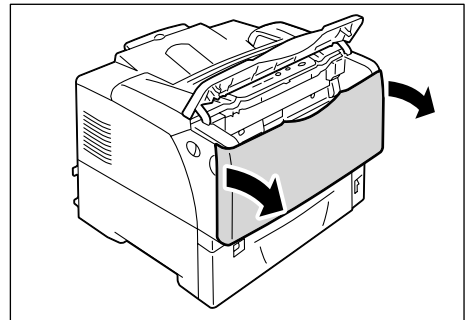


## Feed Roll for Tray 1 (Bypass Tray)

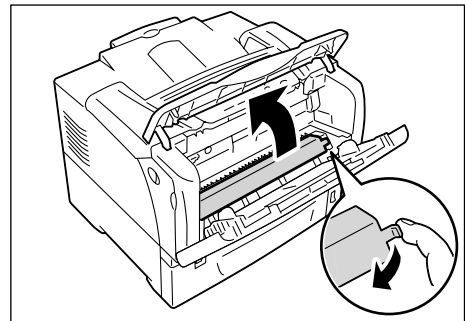
1. Open the upper cover.



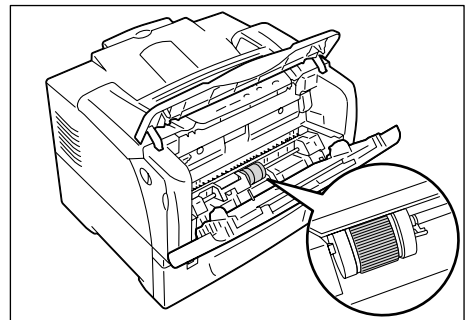
2. If paper is loaded in Tray 1 (Bypass tray), remove the paper.  
If Tray 1 (Bypass tray) is not open, open the tray.



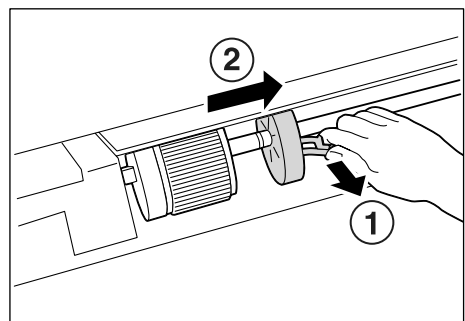
3. Remove the roll cover.



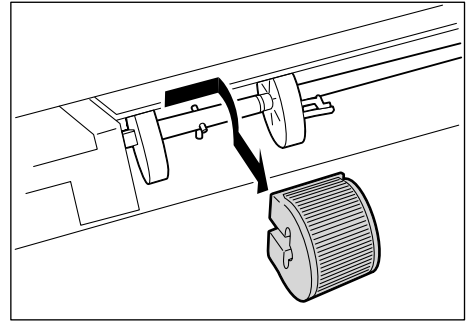
4. Identify the location of the feed roll in the printer.



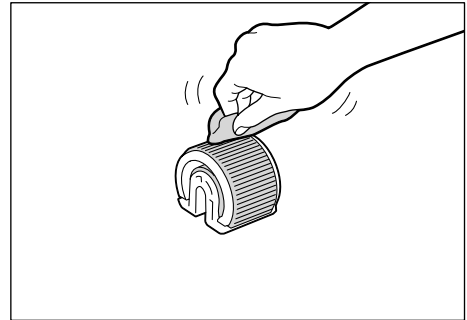
5. Remove the tab on the right side of the feed roll to unlock the feed roll, and slide only the white part to the right until it stops.



6. Slide the feed roll to the right toward the white part, rotate it 90 degrees to the front, and pull it out of the printer.



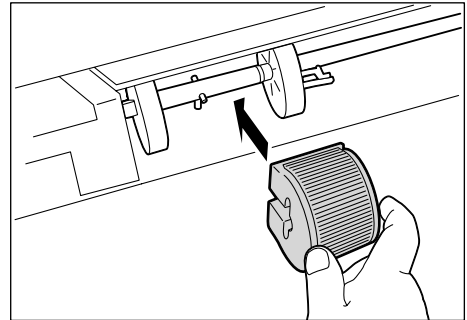
7. Wipe the feed roll with a soft, damp cloth moistened with water.



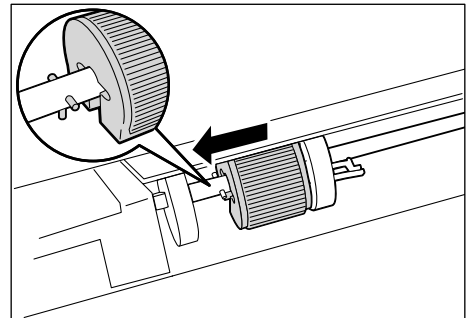
8. After cleaning the feed roll, reinstall it in the printer.  
Hold the feed roll with the flat side to the right and push it horizontally onto the shaft.

**Note**

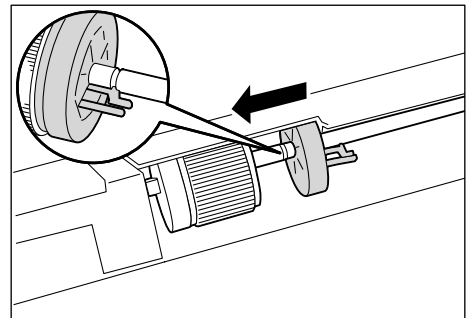
- The surface of the feed roll is flat on one side and jagged on the other side. Make sure to correctly orient the feed roll when placing it in the printer.



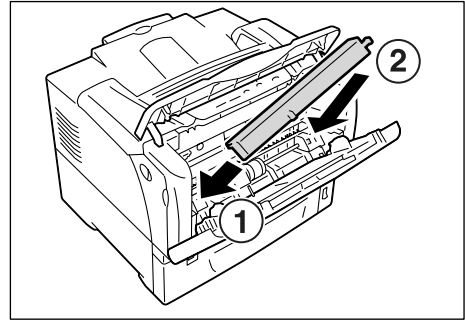
9. Rotate the feed roll 90 degrees to the back and slide it to the left so that the pins on the shaft fit into the indentations on the feed roll.



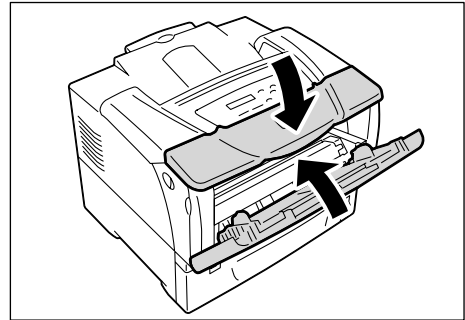
10. Slide the white part to the feed roll.  
Slide it to the left until the tab on its right side is inserted into the indentation on the shaft.



11. Place the roll cover back inside the printer.



12. Close Tray 1 (Bypass tray) and the upper cover.



## 7.10 Moving the Printer

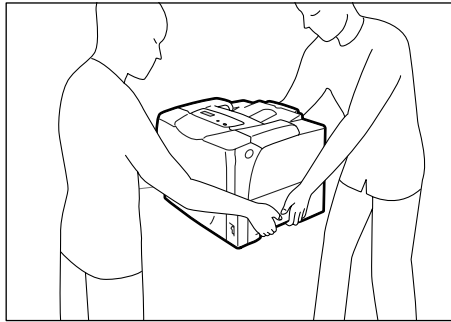
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Use the following procedure when moving the printer.

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### CAUTION

- The machine (only main unit including a consumable) weighs 23.5 kg. Make sure to carry the equipment using two or more persons.
- When lifting the machine, firmly grip the recessed areas provided on both sides of the machine. Never try to lift the machine by gripping any other areas. Lifting the machine by gripping any other areas can cause the machine to fall and result in injuries.



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### Important

- If the optional sheet feeders are installed, remove them before moving the printer. If they are not securely installed, they may fall and cause injuries. For information on how to uninstall the sheet feeders, refer to the installation guide provided with the sheet feeders.

1. Remove the paper from Tray 1 (Bypass tray), and close Tray 1 (Bypass tray) cover. Re-wrap the paper and store it away from dust and humidity.

### Important

- When closing Tray 1 (Bypass tray) cover, be careful not to get your fingers caught between (the left or right edge of) the cover and the printer.
2. Switch the power off by pressing the power switch located on the front lower right of the printer to the <O> position.
  3. Unplug the power cord, interface cable, and all the other cables from the printer.
  4. Pull the front cover release levers ("A") on both sides of the printer towards you and open the front cover.
  5. Open the top cover.
  6. Remove the print cartridge from the printer.

### Important

- Do not touch the interior of the printer. Some parts may be hot.
- Make sure to remove the print cartridge before moving the printer. Otherwise, the toner may spill in the printer.
- Do not shake the print cartridge after removing it. The toner may spill.

### Note

- For information on how to remove the print cartridge, refer to "Replacing the Print Cartridge" (P. 141).

7. Hold the print cartridge by the handles, and remove it from the printer.

**Note**

- When removing the print cartridge, slide it towards you.

**Important**

- Make sure to remove the print cartridge before moving the printer. Otherwise, the toner may spill in the printer.
- Be careful not to dirty your hands or clothes with toner. If toner gets on your hands or clothes, wash it off immediately.

**Note**

- After removing the print cartridge, do not place the cartridge upright or upside down. Avoid placing the cartridge in direct sunlight or in dusty places. Place the cartridge on a flat surface.

8. Close the top cover and then the front cover.

**Important**

- When closing the covers, be careful not to get your fingers caught between the covers and the printer.

9. Remove the tray from the printer, and remove the paper in the tray. Re-wrap the paper and store it away from dust and humidity.
10. If the tray is extended, slide the right/left lock tabs in the tray outward to release the lock, and push the extended portion back into the tray.
11. Push the tray all the way into the printer.

**Important**

- When inserting the tray, be careful not to get your fingers caught between the tray and the printer.

12. Lift the printer and move it gently. If moving it over a long distance, pack it in a box.

**Important**

- When lifting the printer, make sure to follow the precautions stated in **⚠ CAUTION** (P. 179).

# A Appendix

## A.1 Main Specifications

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### Product Specifications

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| Item                                 | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type                                 | Desktop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Printing method                      | Laser xerography<br><br><b>Important</b><br>* Semi-conductor laser + electrophotographic system                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Fusing system                        | Heat roller (oil-less)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Warm-up Time                         | Less than 16 seconds (after powering on at 22 °C temperature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Continuous print speed <sup>*1</sup> | 1 Sided : 35 sheets/min. <sup>*2</sup><br>2 Sided : 25.2 pages/min. <sup>*3</sup><br><sup>*1</sup> The print speed may decrease due to factors such as paper types, paper sizes, and print requirements of print jobs. The speed may decrease also when the printer is performing image quality adjustments.<br><sup>*2</sup> When continuously printing a single document of A4 size loaded in landscape orientation.<br><sup>*3</sup> When continuously printing multiple documents of A4 size loaded in landscape orientation. |
| Resolution                           | Data processing resolution:<br>600 x 600 dpi (23.6 dots/mm)<br>1200 x 1200 dpi (47.2 dots/mm)<br><br>Output resolution:<br>600 x 600 dpi (23.6 dots/mm)<br>1200 x 1200 dpi (47.2 dots/mm)                                                                                                                                                                                                                                                                                                                                         |

| Item                              | Description                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Paper size                        | Tray 1 (Bypass Tray):<br>A3, B4, A4, B5, A5, 11 x 17" (Ledger), 8.5 x 14" (Legal),<br>8.5 x 13" (Legal), 8.5 x 11" (Letter), 5.5 x 8.5", 7.25 x 10.5"<br>(Executive),<br>double postal card, postcard<br>envelope (COM-10, Monarch, DL, C5),<br>custom size paper (width: 75 - 297 mm; length: 148 - 431.8 mm),<br>long paper (297 x 900 mm)                                                |
|                                   | Trays 2 - 5 (Trays 3 - 5 are optional):<br>A3, B4, A4, B5, A5, 11 x 17" (Ledger), 8.5 x 14" (Legal),<br>8.5 x 13" (Legal), 8.5 x 11" (Letter), 5.5 x 8.5", 7.25 x 10.5"<br>(Executive),<br>double postal card, postcard<br>envelope (COM-10, Monarch, DL, C5),<br>custom size paper (width: 75 - 297 mm; length: 148 - 431.8 mm)                                                            |
|                                   | 2 Sided printing (optional):<br>A3, B4, A4, B5, A5, 11 x 17" (Ledger), 8.5 x 14" (Legal),<br>8.5 x 13" (Legal), 8.5 x 11" (Letter), 5.5 x 8.5", 7.25 x 10.5"<br>(Executive),<br>double postal card, postcard<br>custom size paper (width: 100 - 297 mm; length: 148 - 431.8 mm)                                                                                                             |
|                                   | Image loss: 4 mm from the top, bottom, left, and right edges                                                                                                                                                                                                                                                                                                                                |
| Paper type                        | Tray 1 (Bypass Tray), Trays 2 - 5 (Trays 3 - 5 are optional):<br>Plain 1 (60 - 80 g/m <sup>2</sup> ), Plain 2 (70 - 80 g/m <sup>2</sup> ),<br>Heavyweight 1 (106 - 163 g/m <sup>2</sup> ), Heavyweight 2 (164 - 216 g/m <sup>2</sup> ),<br>transparency                                                                                                                                     |
|                                   | 2 Sided Printing (optional):<br>Plain 1 (60 - 80 g/m <sup>2</sup> ), Plain 2 (70 - 80 g/m <sup>2</sup> ),<br>Heavyweight 1 (106 - 163 g/m <sup>2</sup> ), Heavyweight 2 (164 - 190 g/m <sup>2</sup> ),<br>G.S.M.: 60 - 190 g/m <sup>2</sup>                                                                                                                                                 |
|                                   | <b>Important</b><br>* Use only the recommended paper. Using paper other than that recommended for the printer can cause printing problems. Do not use ink jet paper or postcards made out of recycled paper. Printing on used paper or on its reverse side may impair print quality.<br>* For information about the recommended paper, contact your Customer Support Center or your dealer. |
| Paper capacity<br>(Xerox P paper) | Standard:<br>Tray 1 (Bypass tray) : 150 sheets<br>Tray 2 : 550 sheets<br>Optional:<br>550 Sheet feeder : 550 sheets<br><br>A maximum of 2,350 sheets can be loaded when Tray 1 (Bypass tray), Tray 2 and three sheet feeders are used.                                                                                                                                                      |
| CPU                               | RM5231A : 400 MHz                                                                                                                                                                                                                                                                                                                                                                           |
| Memory capacity                   | Standard : 64 MB<br>1 memory slot (1 empty slot)<br>Optional : 256/512 MB; additional memory<br><br><b>Important</b><br>* The above memory capacity does not guarantee print quality depending on the type and content of print data.                                                                                                                                                       |
| Hard disk                         | Optional: 40 GB                                                                                                                                                                                                                                                                                                                                                                             |



| Item                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Font                                | PCL fonts : Agfa 81 typefaces<br>MM fonts : 2 typefaces<br>PostScript European : 136 typefaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Page Description Language           | Standard : PCL XL<br>: Adobe® PostScript® 3™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Emulation                           | Standard : ESC/P, PCL5e, PCL6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supported OS * <sup>1</sup>         | <p>Windows NT® 4.0 (SP4.0 or above), Windows® 2000/ XP, Windows Server® 2003, Windows® Vista, Mac OS*<sup>2</sup>, Linux*<sup>3</sup></p> <p><b>Important</b></p> <p>*<sup>1</sup> For the latest information about the supported operating systems, contact your Customer Support Center or your dealer.</p> <p>*<sup>2</sup> Mac OS X 10.2.8/10.3.9/10.4 are supported. On Mac OS 10.3.9 or later, printing can be performed using the printer driver for Macintosh. The printer driver for Macintosh can be downloaded from our web site. For more information, refer to the manual on the same web site. When using the printer driver for Macintosh, additional memory of 256 MB or above is recommended.</p> <p>*<sup>3</sup> See the 'Installation and Configuration on Linux' chapter in the "Printing Guide" for more information about the Linux distributions that are supported.</p> |
| Interface                           | Standard: dual parallel (IEEE1284 compliant),<br>Ethernet (100BASE-TX/10BASE-T),<br>USB2.0 (Hi-Speed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Supported protocol                  | TCP/IP (LPD, Port9100, IPP* <sup>1</sup> , SNMP, HTML/HTTP, DHCP, FTP),<br>SMB* <sup>1</sup> , NetWare* <sup>1</sup> , EtherTalk* <sup>1</sup> <p><b>Important</b></p> <p>*<sup>1</sup> Can be used only if the network expansion card (optional) is installed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power                               | AC 110-120V±10%; 15A; both 50/60Hz<br>AC 220-240V±10%; 7A; both 50/60Hz <p><b>Important</b></p> <p>* Power outlets that provide the above power level is recommended. The maximum current drain of the printer is 10A (110 - 120V model) or 6A (220 - 240V model).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operating noise<br>(main unit only) | During operation : 7.1 B; 55 dB (A)<br>During stand-by : 5.3 B; 33 dB (A) <p><b>Important</b></p> <p>* Measured according to ISO 7779<br/> Unit B: acoustic power level<br/> Unit dB (A): radiated sound pressure (bystander position)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Power consumption                   | AC 220-240V:<br>Maximum : 1180 W or less<br>During the Sleep mode: 5 W or less<br>Average During stand by : 105 W or less<br>When continuously printing : 470 W or less <p><b>Note</b></p> <p>* In the Low Power Mode: 20 W or less<br/> (The printer consumes electricity of 0.1 W or less even when the power is switched off. To avoid (or save) power consumption, unplug the power cord from a power outlet.)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

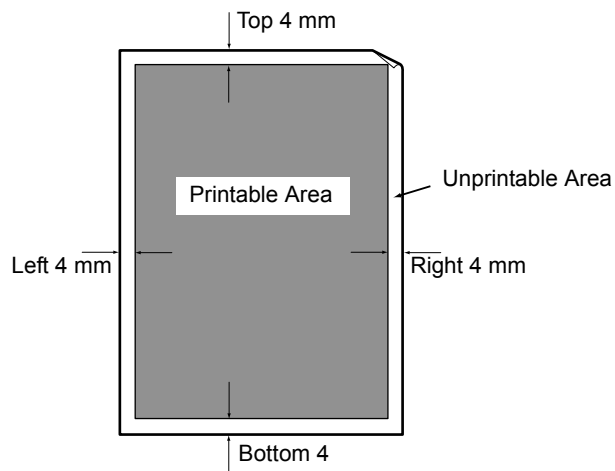
| Item                        | Description                                                                                                                                                     |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (main unit only) | 459 (W) x 506 (D) <sup>*1</sup> x 375.3 (H) mm<br><br><b>Important</b><br><sup>*1</sup> When Tray 1 (Bypass tray) is closed and the paper tray is not extended. |
| Weight                      | 23.5 kg (only the main unit including a consumable)                                                                                                             |

## Printable Area

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**Note**

- The actual printable area may vary depending on the printer control language.



## A.2 Optional Accessories

The following table lists the main accessories available for the printer. To purchase them, contact the dealer where you purchased the printer.

| Product Name           | Product Code | Description                                                                                                                                                                                                                                                                           |
|------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internal hard disk     | 098S05006    | Must be installed to use the following features: <ul style="list-style-type: none"><li>• Secure Print</li><li>• Sample Print</li></ul> For information on how to install the internal hard disk, refer to "Installing the Internal Hard Disk" which is available in the included Kit. |
| 256MB Memory           | 098S05021    | Increases the printer's memory capacity.<br>For information about the features and situations that require additional memory, refer to "A.5 Installing Additional Memory" (P. 189).                                                                                                   |
| 512MB Memory           | 098S05022    |                                                                                                                                                                                                                                                                                       |
| 550 Sheet feeder       | 097S03870    | A paper tray that can accommodate standard paper (P paper) of up to 550 sheets.<br>Up to three sheet feeders can be installed on the Phaser 5335.                                                                                                                                     |
| Duplex module          | 097S03871    | Must be installed to have the printer automatically perform 2-sided printing.                                                                                                                                                                                                         |
| Network expansion card | 098S05007    | Must be installed to use the printer in a NetWare, SMB, IPP, or EtherTalk environment.                                                                                                                                                                                                |
| Wireless LAN 220V      | 097S03741    | Wireless local area network card for 220V                                                                                                                                                                                                                                             |

- The product names and codes are subject to change.
- For the latest information about the optional accessories, contact your Customer Support Center or your dealer.

## A.3 Life of Consumables and Regular Replacement Parts

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### Consumable

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| Part Name           | Product Code | Page Yield<br>(Reference Value) |
|---------------------|--------------|---------------------------------|
| Print cartridge 10K | 113R00737    | Approx. 10,000 pages            |

#### Important

- The page yield of the print cartridge is based on A4 size paper loaded in landscape orientation, printing 2 pages per job, 22 °C temperature, 55% humidity, and the standard density setting. The actual page yield, however, is dependent on the usage conditions, such as the paper size, paper type, usage environment, image quality adjustments, and printer initialization on powering on/off, and may differ substantially from the reference value.

### Regular Replacement Part

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| Part Name              | Product Code | Page Yield            |
|------------------------|--------------|-----------------------|
| Maintenance kit (220V) | 108R00772    | Approx. 100,000 pages |

#### Note

- The page yield of the regular replacement part is based on A4 size paper (P paper) loaded in landscape orientation, printing 2 pages single-sided per job, 22 °C temperature, and 55% humidity. The actual page yield, however, is dependent on the usage conditions, such as paper size, paper type, usage environment, image quality adjustments, and printer initialization on powering on/off, and may differ substantially from the reference value.

## A.4 Obtaining the Product Information

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### Obtaining the Latest Print Driver

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The latest print driver can be obtained by downloading it from our web site.

**Note**

- The communication fee shall be borne by users.
1. In your print driver's Properties dialog box, click [Detailed Settings] tab and then [About].
  2. Click [Xerox Web Site].  
Your web browser launches and our web site is displayed.
  3. Follow the instructions on the web site and download an appropriate print driver.

**Note**

- You can browse our web site also on the Documentation CD-ROM included with the printer. To access the web site, click [Xerox Web Site] on the startup window of the CD-ROM.
- The URL of the driver download service page is as follows:  
<http://www.support.xerox.com/>
- For the latest information about the print driver features, refer to the online help provided for the print driver.

### Updating the Printer's Firmware

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Our web site also provides a tool that allows you to update the printer's firmware (software embedded within the printer) from your computer.

The latest firmware and updating tool can be downloaded from the following URL.

Follow the instructions on the web site and download an appropriate firmware.

<http://www.support.xerox.com/>

## A.5 Installing Additional Memory

In case of the following situations, install additional memory to the printer.

- When [Print Page Mode] is set to [On] on your print driver  
Setting [Print Page Mode] to [On] changes the printing method of the printer. When printing large data, or when the printer is taking too much time to print, set [Print Page Mode] to [On] and try printing again.
- When the [Out of memory] message appears frequently on the control panel

Additional memory may also be required depending on the [Print Mode] setting on the print driver and the paper size to be printed.

The following table lists the required memory capacity.

|                  | Print Mode   | Paper Size                | 1 Sided Print    |                      | 2 Sided Print              |                            |
|------------------|--------------|---------------------------|------------------|----------------------|----------------------------|----------------------------|
|                  |              |                           | Output Possible  | Recommended Capacity | Output Possible            | Recommended Capacity       |
| PCL print driver | Standard     | A5                        | Standard (64 MB) | Standard (64 MB)     | Standard (64 MB)           | Standard (64 MB)           |
|                  |              | B4                        |                  |                      |                            |                            |
|                  |              | A4                        |                  |                      |                            |                            |
|                  |              | 8.5 x 14"                 |                  |                      |                            |                            |
|                  |              | Long paper (297 x 900 mm) |                  |                      | -                          | -                          |
|                  | High Quality | A5                        | Standard (64 MB) | Standard (64 MB)     | Standard (64 MB)           | Standard (64 MB)           |
|                  |              | B5                        |                  |                      | 320 MB (Standard + 256 MB) | 320 MB (Standard + 256 MB) |
|                  |              | A4                        |                  |                      |                            |                            |
|                  |              | 8.5 x 14"                 |                  |                      |                            |                            |

Output possible : Most data can be printed. However, some data may not be printed depending on the type of print data, or the print speed may decrease when 2-sided printing is performed.

Recommended capacity: Memory capacity recommended by Xerox.

Values of the required memory capacity also vary depending on the usage environment of the printer.

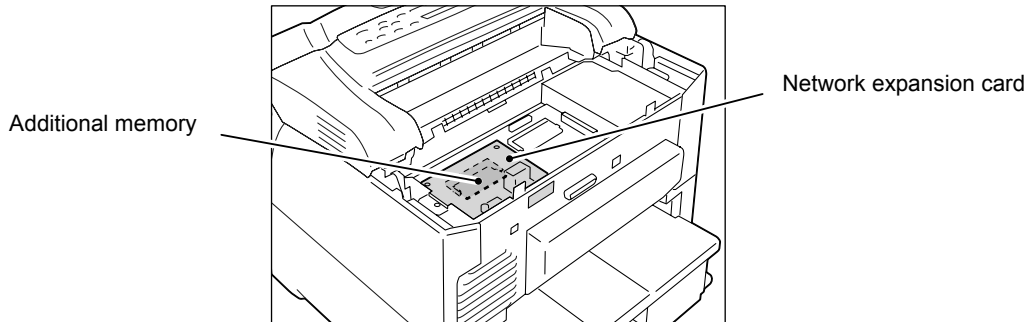
### Note

- When using long paper, 2-sided printing and the printing in the [High Quality] print mode are not available.
- For more information about additional memory and how to order it, refer to "A.2 Optional Accessories" (P. 186).

## Installation Procedure

---

Additional memory goes into the controller board right underneath a network expansion card (optional). If your printer has a network expansion card, remove it to get access to the RAM slot. For information on how to remove/reinstall the network expansion card, refer to the installation guide provided for the network expansion card.



The following describes how to install additional memory in the printer.

The printer has one slot for installing a memory card. If you want to add memory when the slot already has a memory card, replace the memory card with the one with larger capacity.

---

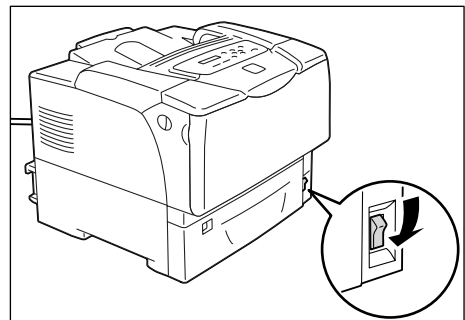
### **WARNING**

- This equipment has been designed to restrict operator access to safe areas only. Operator access to hazardous areas is restricted with covers or guards, which would require a tool to remove. Never remove these covers or guards.
- 

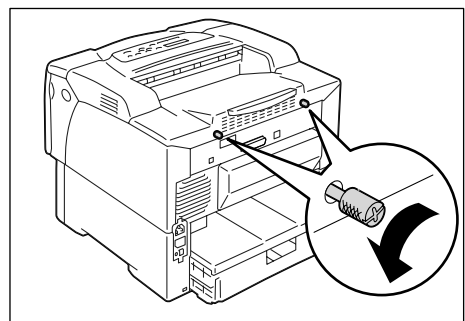
### **Important**

- Before plugging or unplugging the interface cable connector, be sure to switch off the printer or unplug the power cord from the power outlet. Plugging or unplugging the connector when the printer is on can cause printer failure.

1. Switch the power off by pressing the power switch on the front lower right of the printer to the <O> position. Unplug the power cord from the power outlet and the printer.

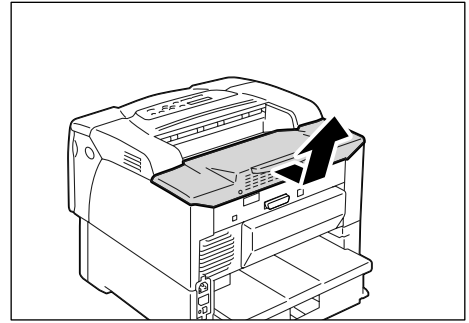


2. Remove the two screws that secure the rear cover to the printer.

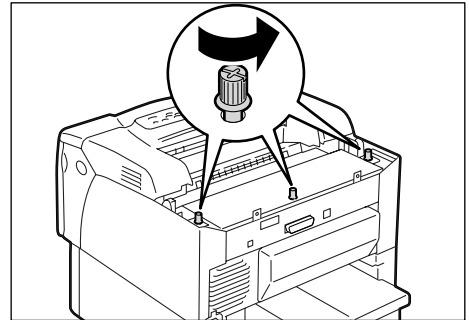




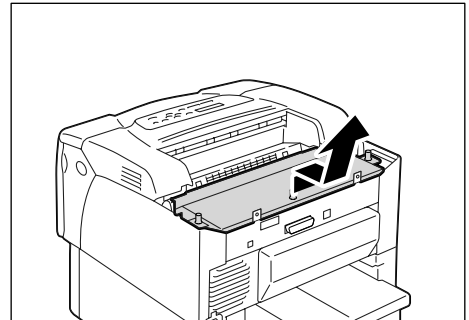
3. Pull the rear cover forward and remove it from the printer.



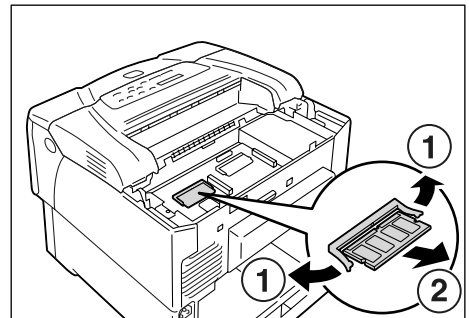
4. Loosen the three screws that secure the metal plate cover inside the printer.



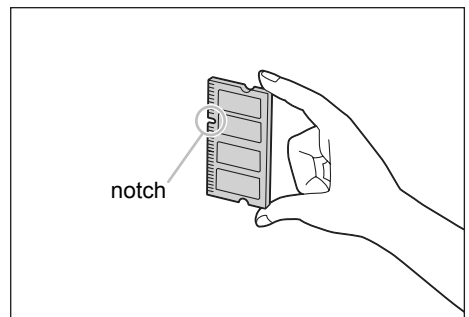
5. Pull the metal plate cover forward and remove it from the printer.
6. If a network expansion card is installed, remove it temporarily.



7. If another memory card is already installed, push the retaining clips on both sides in the outward direction. After the memory card pops up, pull it out at an angle.



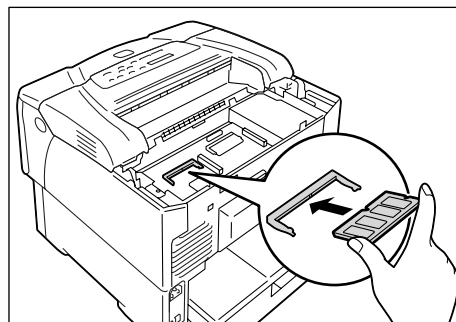
8. Hold the new memory card so that the notch on the card comes above the center of the card.



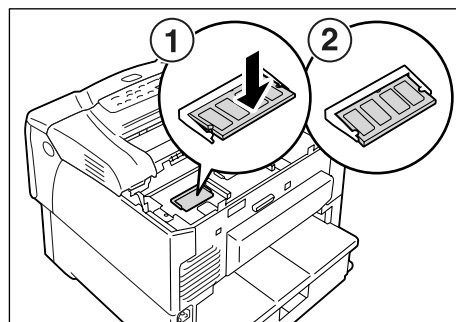
9. Align the notch on the new memory card with the projection on the RAM slot (printed as "SDRAM op." on the controller board), and insert the memory card at an angle into the slot.

**Important**

- The memory card should be installed to the left of the controller board. The slot at the right part of the controller board is for an optional ROM, which is installed parallel to the controller board. Make sure to insert the memory card into the correct slot.

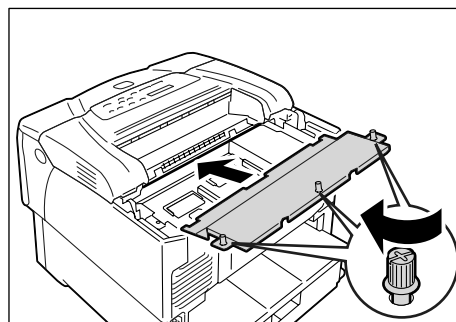


10. Push the new memory card as shown in the figure. When the card is installed correctly, it clicks into place.

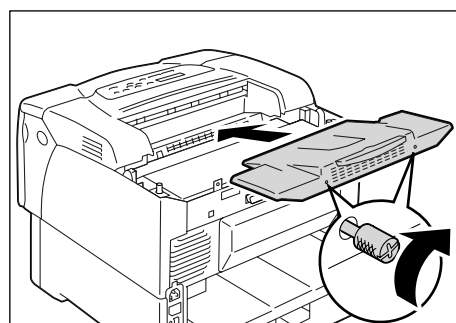


11. If the network expansion card was removed, reinstall it in the printer.

12. Re-attach the metal plate cover on the printer by tightening the three screws loosened in Step 4.



13. Re-attach the rear cover on the printer by tightening the two screws removed in Step 2.



14. Plug in the power cord and switch on the power by pressing the power switch to the <|> position.

The installation is now complete.

**Note**

- You can check whether the memory card is installed correctly by printing out the [Printer Settings] list. [Memory Capacity] under [General] shows the total memory capacity of the printer (which is the memory on the controller board (64 MB) plus the memory you just added). For information on how to print the [Printer Settings] list, refer to " <OK/Eject>Printing a Report/List" (P. 147).
- If you added memory while the printer is in use, change the memory capacity setting on your print driver. For details, refer to the online help provided for the print driver.

## A.6 Notes and Restrictions

---

### Notes and Restrictions on Using the Printer

---

This section lists the notes and restrictions that apply to the printer.

#### Hard Disk (Optional)

---

- An abrupt shut down of the printer due to a power failure or other disruption may corrupt data in the hard disk.
- Do not switch the power off while the hard disk (optional) is being accessed.

#### Optional Accessories

---

- To use the Secure Print/Sample Print feature, install the optional hard disk in the printer.

#### Note

- To use [Print Page Mode], you must install additional memory in the printer. Setting [Print Page Mode] to [On] changes the printing method of the printer. When printing large data, or when the printer is taking too much time to print, set the [Print Page Mode] to [On] and try printing again.

#### Meter Counts for 2-Sided Print Pages

---

If you print a job 2-sided, depending on the application being used and the print quantity setting, the application may automatically insert a blank page into the job. In such cases, the blank page is counted as 1 page.

## A.7 Glossary

---

### **10BASE-T:**

A 10 MBps Ethernet network that uses a baseband signal and twisted-pair cable. It is one of the IEEE802.3 standards.

### **100BASE-TX:**

An extended version of 10BASE-T known as FastEthernet. Its communication speed is 100 Mbps, which is much faster than 10 MBps of 10BASE-T.

### **Address:**

Information (identifier) that is assigned to identify each node (computer or terminal) on a network. A number that specifies a location in a computer's memory is also called "address".

### **Application software:**

Computer software designed to perform a specific task. Software for various needs, such as word processing, spreadsheets, graphics, and databases, are available.

### **Bi-directional communication:**

A type of communication where two devices exchange information with each other. It enables data transmission (such as print requests) as well as reception (such as job status) to and from the printer.

### **BOOTP:**

An acronym for BOOTstrap Protocol. It is a protocol that allows a client on a TCP/IP network to automatically acquire network configuration information from a server.

### **Collate**

An output programming where each copy set is delivered in the same order as the originals. If printing two copies of three-page original, the order of the output will be pages 1-2-3, 1-2-3.

### **DHCP:**

An acronym for Dynamic Host Configuration Protocol. It is a protocol that uses a server to automatically assign IP addresses to client computers.

### **DNS:**

An acronym for Domain Name System. It is a name resolution service which converts host names to IP addresses.

### **dpi:**

An acronym for dots per inch. It refers to the number of dots that can be printed in an inch (approximately 25.4 mm) and is a unit of measurement to indicate resolution.

### **Emulation:**

The ability of the printer to imitate the print results of other printers. A print mode where the printer emulates other printer is called the "emulation mode".

### **EtherTalk:**

It is one of the transfer protocols of "AppleTalk" which is network software for Macintosh.

**Font**

A complete set of characters and symbols that have common characteristics such as style and typeface.

**Grams per Square Meter (g/m2):**

A weight in grams of one square meter of paper.

**HTTP:**

A protocol used to communicate with a web browser over the Internet.

**Image Enhancement**

A feature that artificially increases resolution by smoothing out transitions between black and white and reducing jagged appearance.

**IP address:**

An address used by TCP/IP protocols to identify computers on a network. It is expressed in dotted quad format which is a series of four decimal numbers separated by decimal points.

**IPP:**

A protocol used when printing using HTTP.

**Job:**

A unit of work processed by computers. A print job is a unit of work run on a printer and consists of printing one file. Cancelling or executing printing is done by this unit.

**Local printer**

In this guide, a "local printer" refers to a printer that is directly connected to a computer using a parallel cable or USB cable.

**Multiple-up**

A feature that allows you to print multiple pages onto one sheet of paper.

**NetWare:**

A network operating system developed by Novell, Inc.

**Network printer:**

In this guide, "network printer" refers to the printer connected to a network using an Ethernet cable.

**Online help:**

A manual that can be viewed on your computer screen.

**Operating System (OS):**

Software that runs on a computer to control or manage the basic operation of its hardware and software. It provides an interface to the hardware for the application software.

**PDF file:**

In this guide, we call an online document created with Acrobat (software developed by Adobe Systems) a "PDF file". To view PDF files on your computer, you must install software called Adobe Acrobat Reader on your computer.

**Port:**

A connection point that allows exchange of information between a computer and its peripherals.

**Port9100:**

A network communication method that enables data transmission on Windows NT 4.0, 2000, Windows XP, Windows Server 2003, and Windows Vista.

On Windows NT 4.0, 2000, Windows XP, or Windows Server 2003, this can be used on the standard TCP/IP port monitor.

**ppm:**

A measurement that shows how many pages the printer is capable of printing in one minute.

**Printable area:**

The area on paper which can be printed.

**Print driver:**

Software that translates data created on an application into a format that the printer can read and print.

**Protocol:**

A set of rules for exchange of information between hardware or two computers via a network.

**Resolution:**

The quality of detail of an image represented by dots per square inch (dpi). The higher the dpi, the higher the resolution.

**Server:**

A computer in a network that stores data files accessed by other computers.

"Client" is a computer that demands service from a server.

**SMB:**

A network protocol used to enable file sharing over Windows Network (Microsoft Network) and that can be used on Windows NT 4.0, Windows 2000, Windows XP, Windows Server 2003, and Windows Vista.

**SNMP:**

A protocol that manages networked devices via a network.

A device that manages the activities of networked devices runs on software called "SNMP manager". Whereas, a device that is being monitored runs on "SNMP agent".

**Software**

Programs that run computers. Operating systems and application software are also the types of software.

**TCP/IP:**

A network protocol developed by DARPA (Defense Advanced Research Project Agency Network). It is the standard protocol of the Internet and is supported by a variety of computer platforms, from personal computers to mainframes.

**USB:**

An acronym for Universal Serial Bus. It is a data communication method used between a computer and its peripherals. It allows hot-plug, which is the capability of connecting or disconnecting peripherals without having to switch off the computer.

**WINS:**


An acronym for Windows Internet Name Services. It is a name resolution service that converts a computer name to an IP address in a TCP/IP environment.





# Control Panel Menu Tree



## Basic Control Panel Functions

|                                              |                                                                                                 |
|----------------------------------------------|-------------------------------------------------------------------------------------------------|
| To move up and down the menus:               | <▲> or <▼> button                                                                               |
| To select a menu or move to the right:       | <▶> button                                                                                      |
| To cancel a selection or return to the left: | <◀> button                                                                                      |
| To confirm an entry:                         | OK / $\triangle$ <OK/Eject> button                                                              |
| To exit the menu screen:                     |  <Menu> button |

## Character/Number Entry Functions

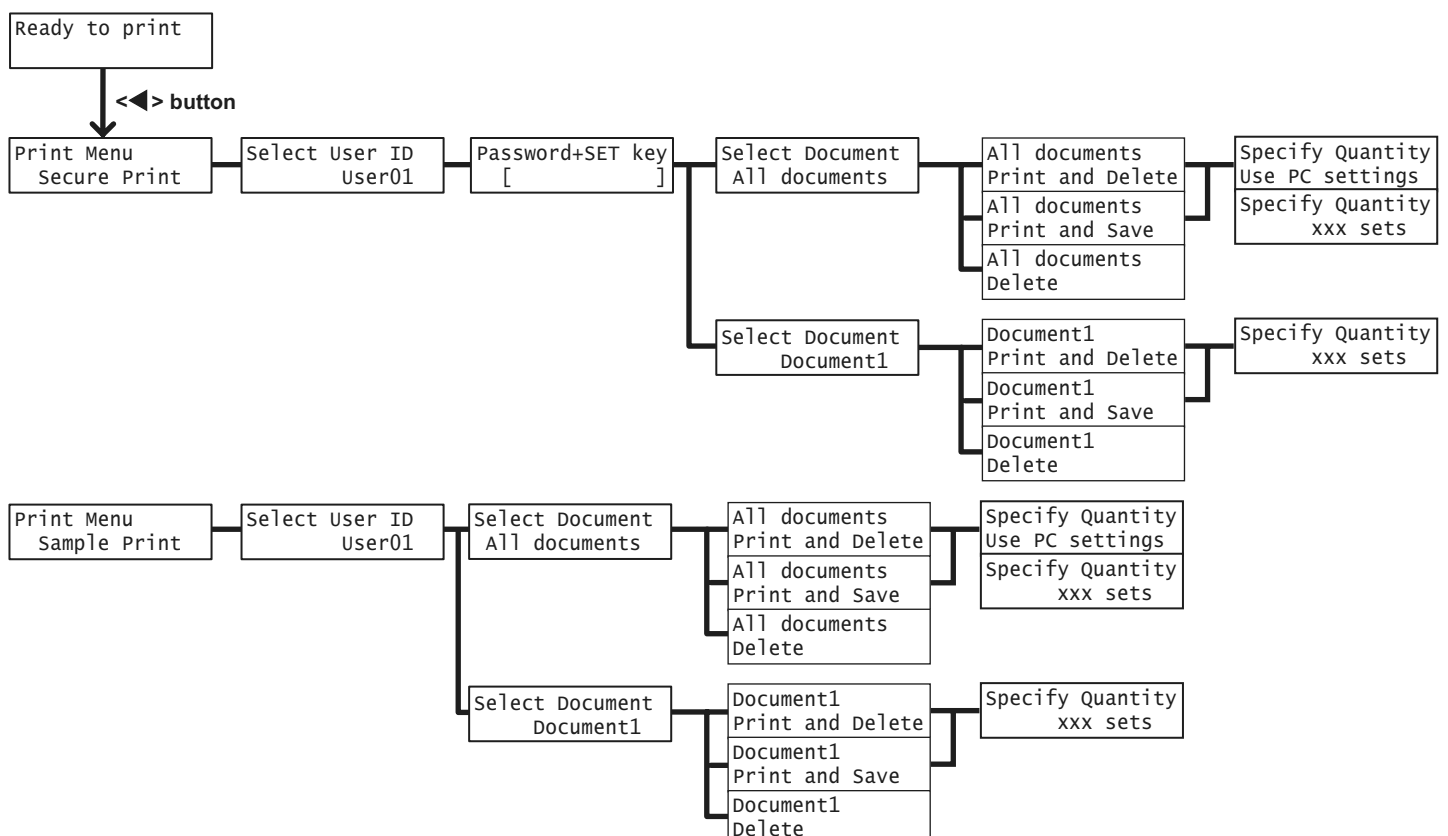
|                                   |                     |
|-----------------------------------|---------------------|
| To increase or decrease a value:  | <▲> or <▼> button   |
| To move between digits or fields: | <▶> or <◀> button   |
| To reset a value to the default:  | <▲> and <▼> buttons |

## Conventions for the Administrator Menus

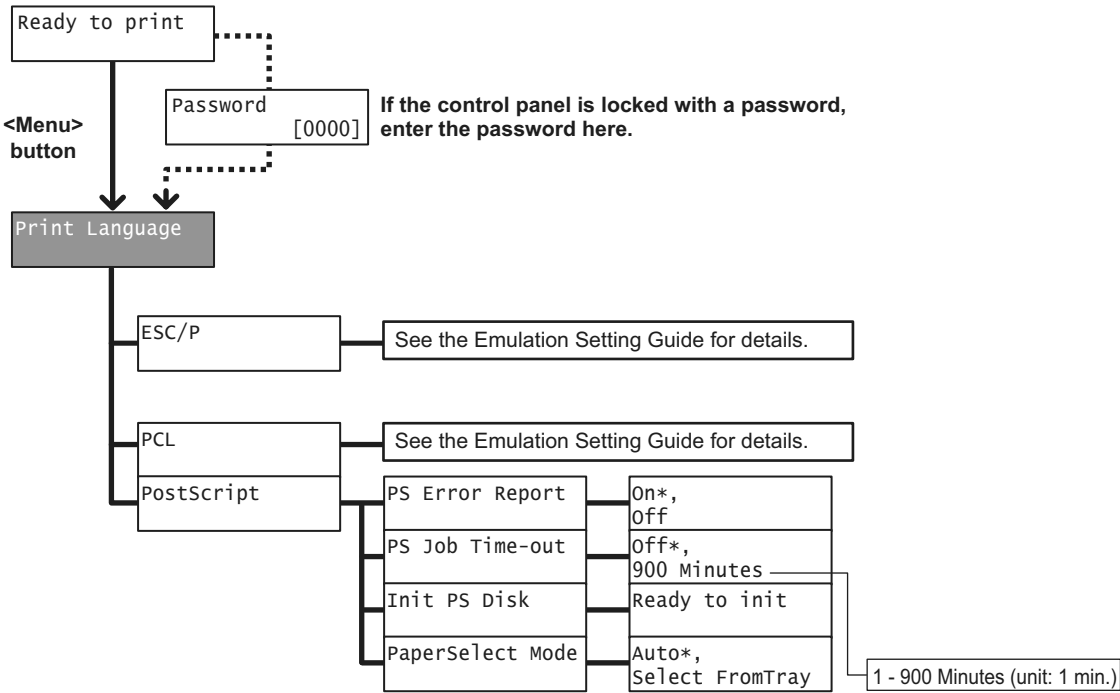
-  : Main menus
-  : Items that appear/do not appear depending on the options installed in the printer.
- \* : Default

### Print Menus

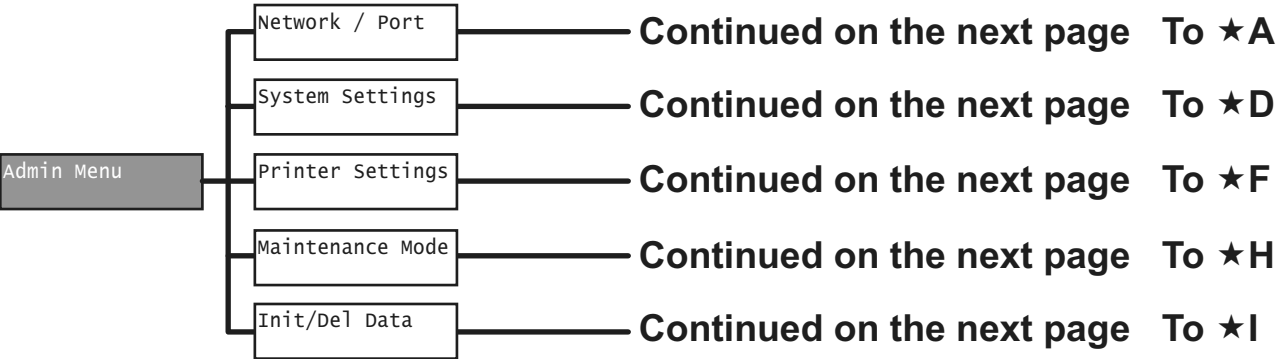
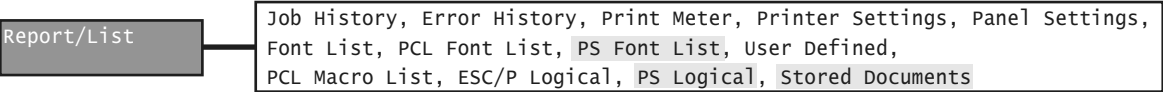
The print menus appear on the display only when the optional hard disk is installed.



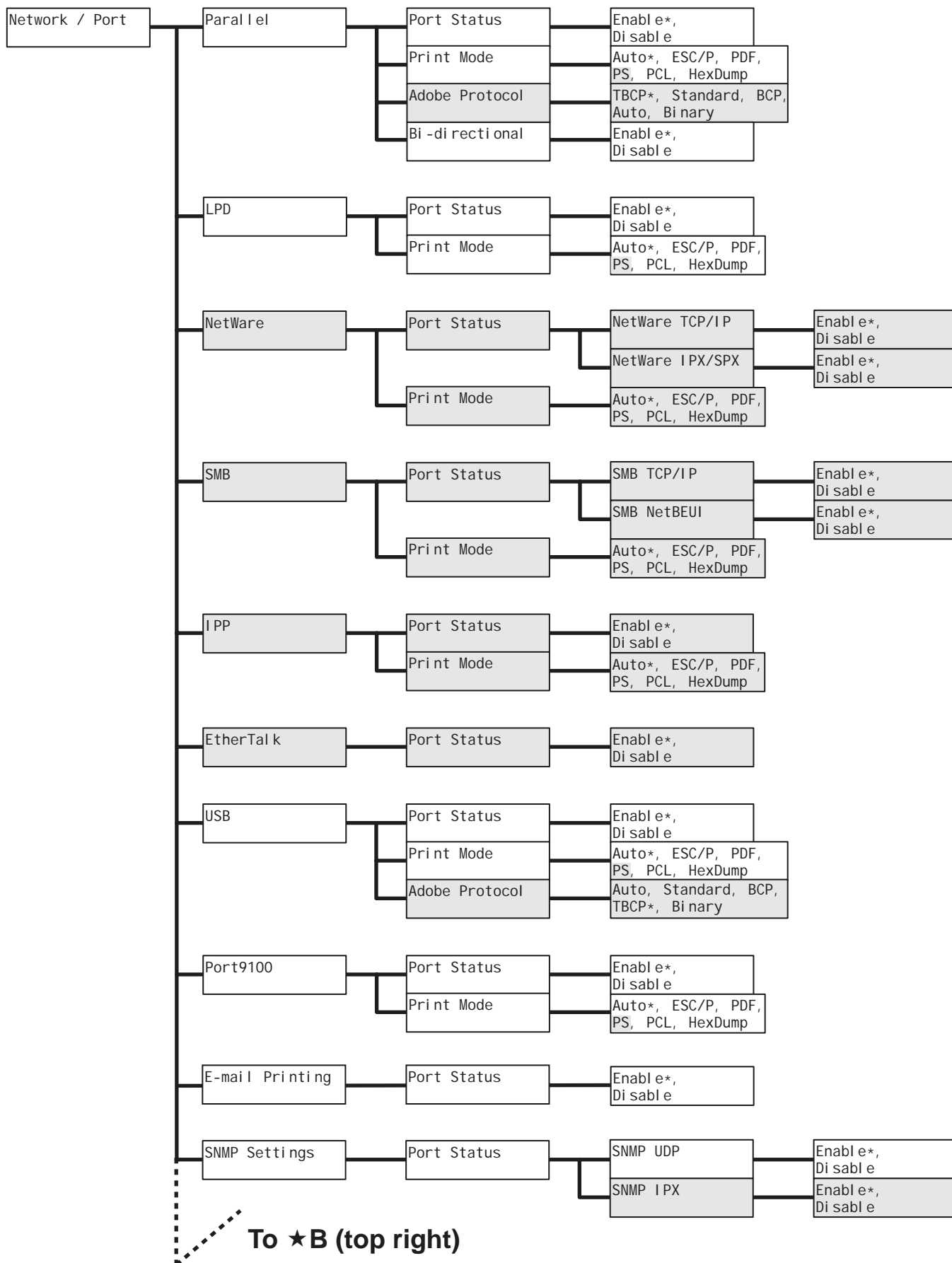
# Administrator Menus



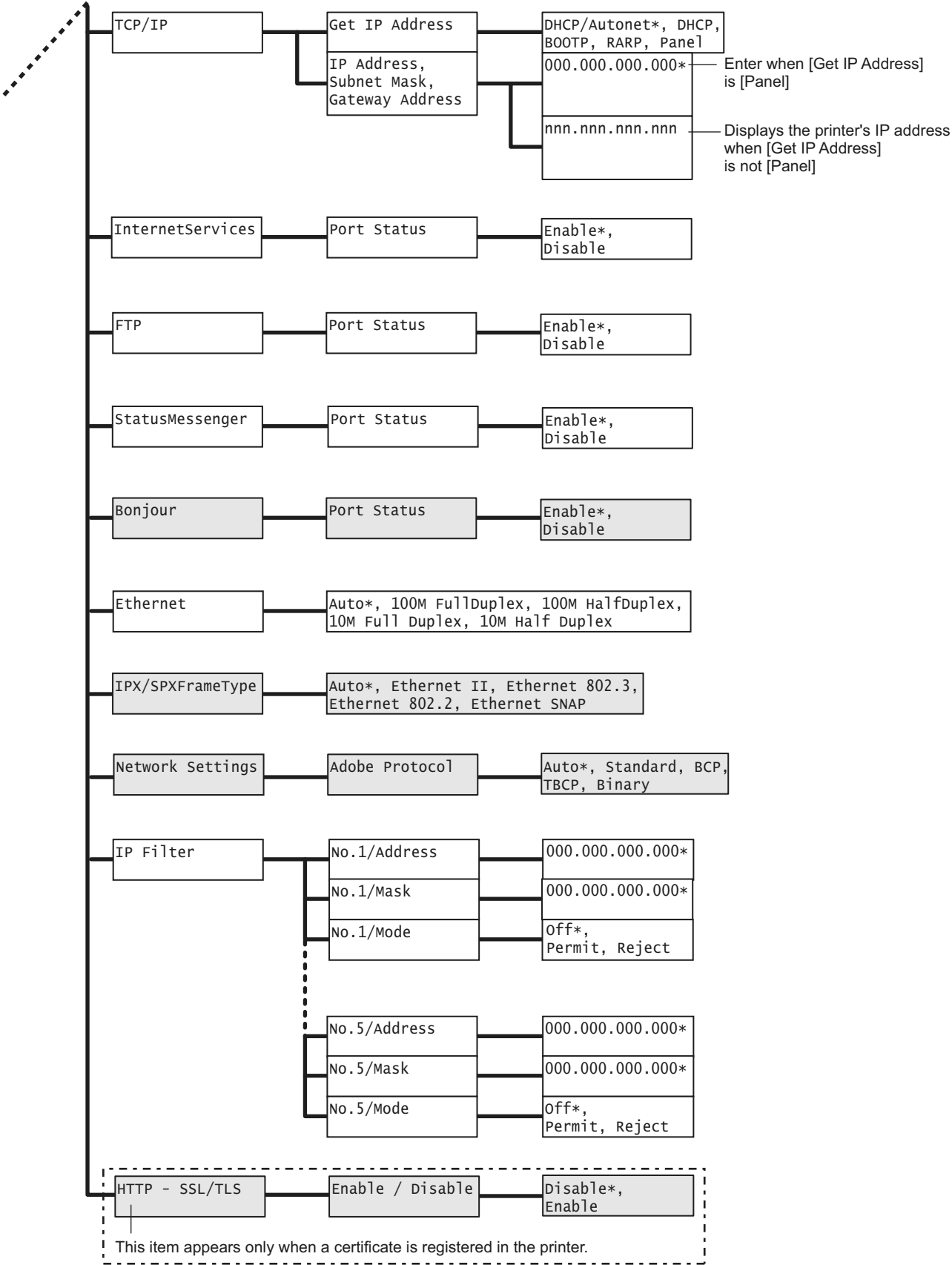
\*1: 1 - 999 sets  
\*2: 32 characters  
Code 0x20 - 0x7d  
\*3: When [DefaultPaperSize] is [A4]  
\*4: When [DefaultPaperSize] is [8.5 x 11]



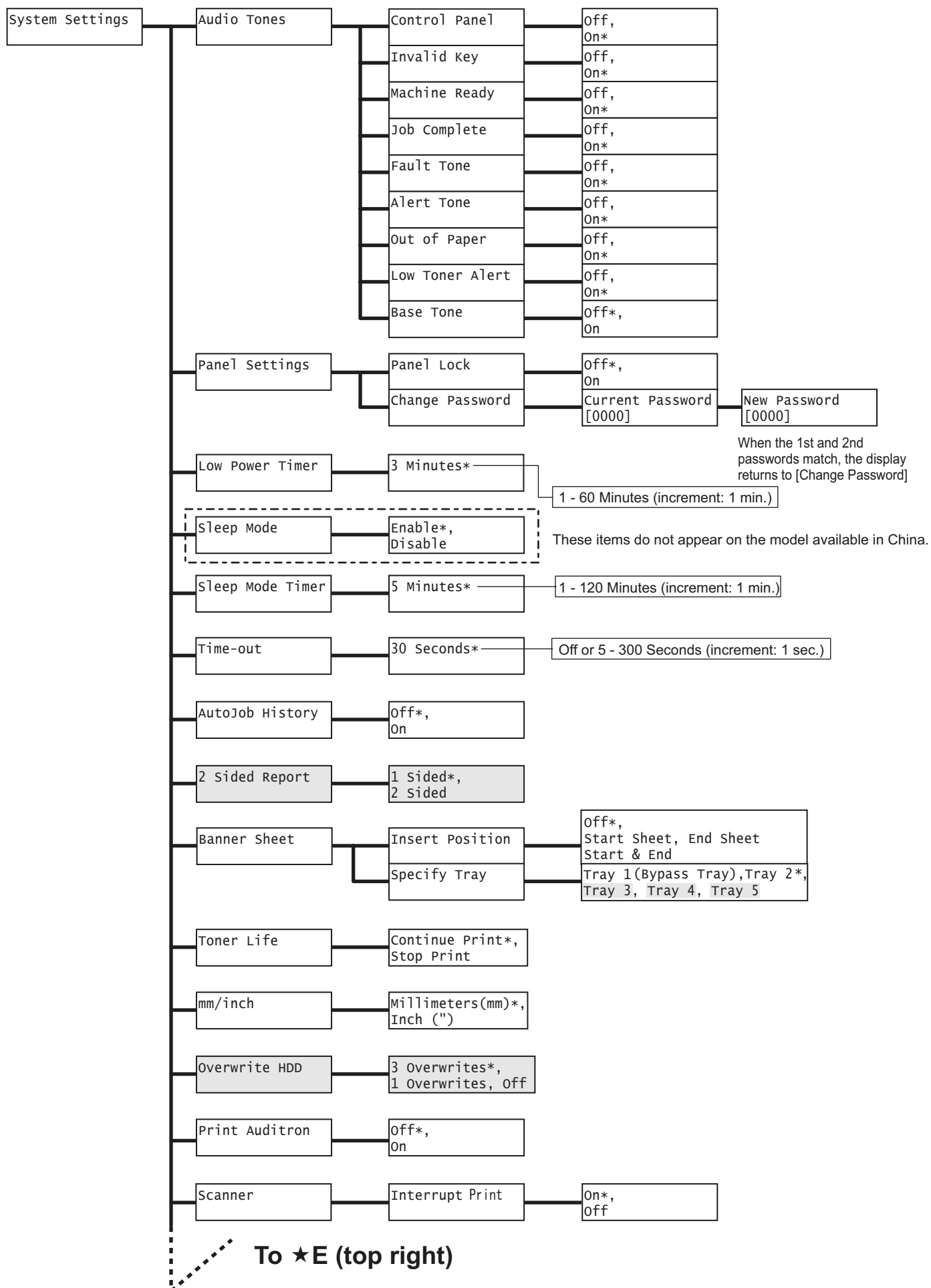
# ★A



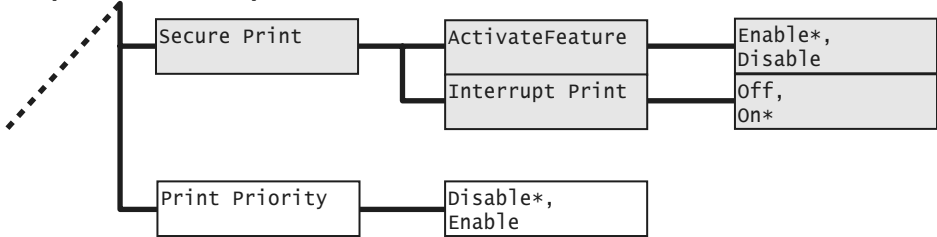
From ★B (bottom left) ([Network / Port] continued)



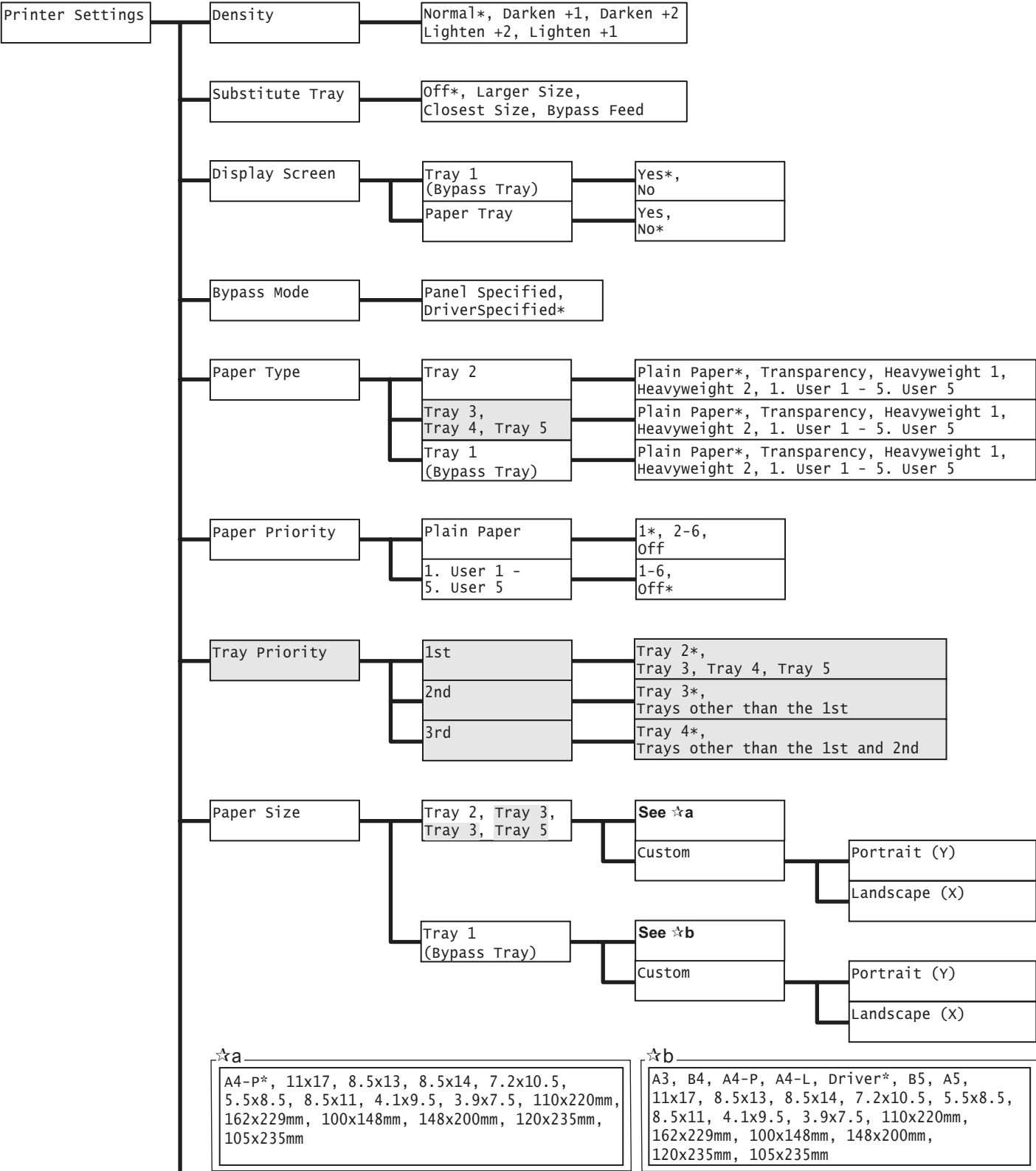
# ★D



From ★E (bottom left) ([System Settings] continued)

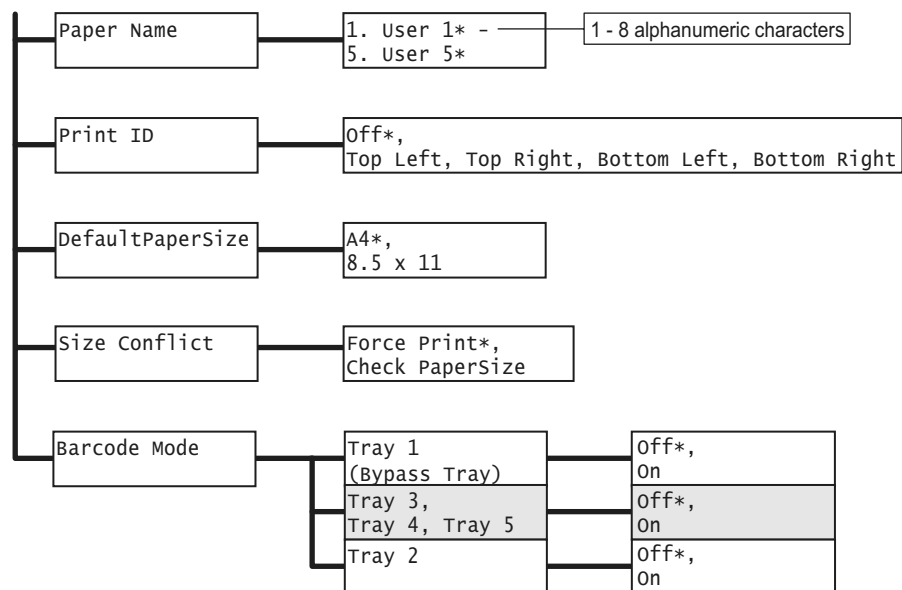


★F

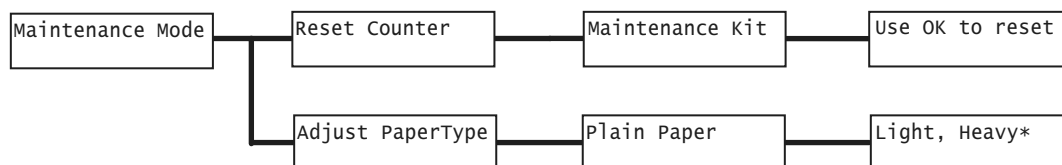


To ★G (next page)

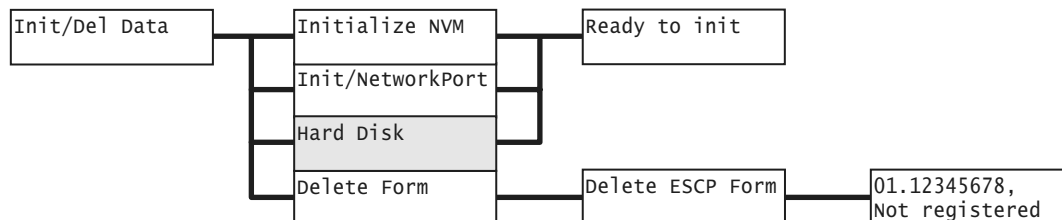
## From ★G (previous page) ([Printer Settings] continued)



## ★H



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