

C8200N User Guide

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Technical Consulting TEL: (+86)10-82879600

SUNSHINE service website: <http://www.lenovo.com>

Preface

Thanks for purchasing C8200N.

This specification introduces printer's operation and precautions that should be observed during operation.

To learn and utilize the printer more effectively, please read this specification carefully before use.

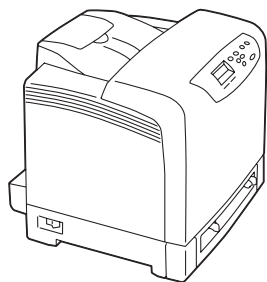
Throughout this specification, the user is presumed familiar with computers and basic network operations and configuration.

After you have read this specification, please place it in a handy place and store it with care, therefore you can take quick reference when necessary.

Features of C8200N

Easy to use, space saving, high resolution

- Compact mainframe, more suitable for desktop application.



- Oil-free fusing technology, easy to write, stamp and stick note on printing product.
- Selection of optimum printing quality matched with document usage, such as photo, POP, picture etc.

Support multiple paper sizes and paper types

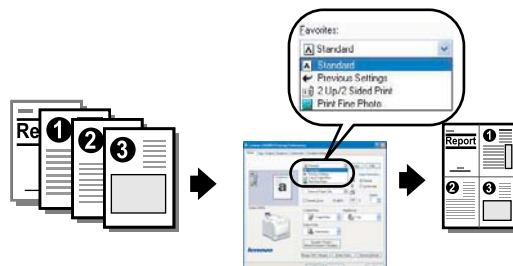
- The paper tray is able to accept non-standard sized papers and other special media.

Abundant Print Functions

- Multiple-up
Print contents of multiple pages at one page.
- 2 sided print *1
- Booklet *1
- Poster *1
Used for making posters.
- Watermark
Add watermark (such as "Confidential") on original picture.

- Collections
Commonly used print settings are registered in [Settings] list in printer driver.
User can get desired print settings instantly by selecting item from the list.
You can also add your frequently used print settings in this list.

*1 Use tray1, make booklets manually.



Loaded with Multiple Case Functions

- **Locking control panel**
Using password to restrict control panel operation, ensure no user other than the administrator can change print settings.
- **Data receiving restriction**
Controlling connections from certain IP addresses if LPD or Port9100 port is used.
- **Print Auditron**
Using printer's authentication function to restrict which users can perform printing operation.

Type of Manuals

The following manuals are provided with the printer

Fast installation guide	Introduce installation programs for this printer.
Users Guide (PDF) (This Manual)	<ul style="list-style-type: none">● Introduce preparations, print function settings, menu items in control panel, error handling and daily maintenance that occurred after printer installation and before performing print operations.● This guide is included in the machine model integrated manuals in the Driver-CD.
Specification (HTML)	<p>Introduce set up of WebAdmin.</p> <ul style="list-style-type: none">● This specification is included in the Driver.

Note

- To display PDF files, you must first install Adobe Acrobat Reader or Adobe Reader on your computer. You can download Adobe Acrobat Reader from Adobe's website.

How to Use This Guide

Structure of this guide

This guide contains the following chapters. Brief descriptions of each chapter's contents are listed below.

1 Set up printer environment	Introduce the environment where the printer can be used, and the necessary settings.
2 Basic operations of the printer	Introduce name and function of each part and the operations basic functions (e.g. turn on/off power, cancel printer job etc).
3 Printing	Introduce the main printing methods.
4 Papers	Introduce about paper types that can be used, and how to load paper into the printer.
5 Setting of control panel	Introduce about items that can be configured in control panel, and the setting methods.
6 Troubleshooting	Introduce how to handle errors (paper jam, error message etc).
7 Daily maintenance	Provide information about daily maintenance, such as replace consumables and printer multiple reports/lists. It also provides relevant information for administrator, such as tools can be used to confirm or set printer status from computer, and security and certification functions of the printer.

A Appendix	Introduce main specs, consumables life and methods to get product information, and list of control panel menus etc.
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Marks used in this guide

1 Personal computers and workstations are called 'Computer' in this guide.

2 Based on the contents of introduction, the following marks are used in this guide:

Important: introduce items that should be noticed. Please read them carefully

Supplement: introduce supplement information.

Reference: introduce reference location.

3 The following symbols are used in this guide:

Reference " ": reference contents in this guide.


Reference 《 》 : reference to other publications.


[] : indicates menu, item and message that displayed on control panel screen of computer or printer. It also indicates name of report/list that can be outputted by the printer.

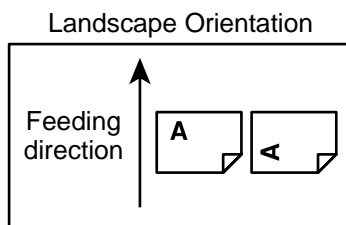
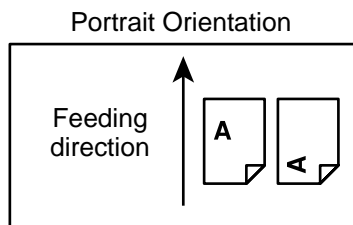
< > : indicates keys on computer keyboard and buttons and indicators on printer control panel.

> : indicates control panel menu, and structure of WebAdmin Services menu.

4 Paper orientations in this guide are described as below:

 Portrait, Portrait orientation: the papers are at portrait status when viewed from the front of printer.

 Landscape, Landscape orientation: the papers are at landscape status when viewed from the front of printer.



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Safety Precautions

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
























This 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.



WARNING

Any unauthorized alteration, which may include the addition of new functions or connection of external devices, may impact the product certification.

All warning instructions marked on the product should be followed. Warning label means;

 DANGER	Used for item that if not followed strictly, can lead death or severe or fatal injuries and the possibility to do it is comparatively high.
 WARNING	Used for items that if not followed strictly, can lead to severe or fatal injuries.
 CAUTION	Used for items that if not followed strictly, can cause injuries to user or damages to machine.
<p> A symbol for items to pay attention to when handling machine. Follow instructions carefully to use machine safely.</p> <div>  Caution  Flammable  Explodable  Electric shock  Heated surface  Moving object  Pinched fingers </div>	
<p> A symbol for prohibited items. Follow instructions carefully to avoid any dangerous acts.</p> <div>  Prohibited  No fire  Do not touch  Do not use in bathroom  Do not tear down  Keep away from wet  Never touch with wet hand </div>	
<p> A symbol for items that must be performed. Follow instructions carefully to carry out these essential tasks.</p> <div>  Instructions  Unplug  Ground/Earth </div>	

Electrical Safety



WARNING



Power supply should be provided according to specification on product nameplate. If you are not sure about the conformity of power supply, please consult with your local power company.



WARNING

Connect this product to protective ground line.

A power plug with protective earthing terminal is provided with this product. This plug has a security feature, for it can be only inserted into earthed power socket. If you find the power plug and the power socket are not compatible, please contact an electrician to change a new power socket and avoid shock hazard. Do not use earthing adaptor plug to connect the product with unearthed power socket.

Improper connection of earthing line may result in electric shock.



Plug the power cord directly into a grounded electrical outlet easily accessible. Do not use an extension cord, a multi-plug adaptor or a multiple connector. It may cause the outlet to overheat and cause fire. If you do not know

whether an outlet is grounded, consult a qualified electrician.



This equipment is to be used on a branch circuit or outlet that has larger capacity than rated ampere and voltage of this machine. See data plate on the rear panel for the rated ampere and voltage of this equipment.



Never touch a power cord with wet hands. It can cause electric shocks.



Do not place objects on the power cord.



Always ensure the plug connection is free of dust. In a damp environment, a contaminated connector can draw a non-negligible amount of current that can generate heat and eventually cause fire over an extended period of time.



Only use the power cord supplied with the equipment or designated by Lenovo, doing so can cause fire, electric shocks or machine faults.

The power cord is only used for this product. Do not use it on any other power source.

Do not attempt to damage or rework the power cord. A damaged cord can cause fire or electric shocks.

If the power cord is broken or insulated wires are exposed, ask your Lenovo Customer Service Center for a replacement. Using a damaged or not insulating cord can cause fire or electric shocks.



Before cleaning this product, ensure to switch off and unplug the product from the electrical outlet. Access to a live machine's interior can cause electric shocks.



Do not unplug or replug the machine while it is switched on. Unplugging a live connector can deform the plug and cause fire.



When unplugging the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.



Always switch off and unplug the machine when it is not used over weekends or long holidays.



Once a month, unplug the machine and check the power cord for the following:

Has the power plug been inserted firmly into the outlet?

- is the plug excessively heated, rusted, or bent?

- Are the plug and receptacle clear?
- Is the cord cracked or frayed?

If you notice any unusual conditions, please close the power and unplug the power plug, and then contact your Lenovo Customer Service Center.

Machine Installation



WARNING



Do not place this equipment where people might step on or trip over the power cord.



CAUTION



Never locate the equipment;

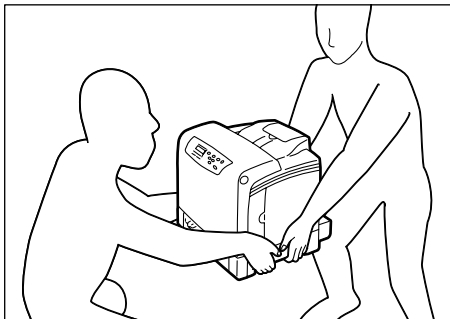
- Near radiator or any other heat source
- Near volatile, flammable or combustible materials such as curtains
- In a hot, humid, dusty or poorly ventilated environment
- In a place receiving direct sunlight
- Close to a cooker or humidifier that emits oily fumes or steam



The weight of this product is 17.0 kg. It should be lifted by two or more persons.



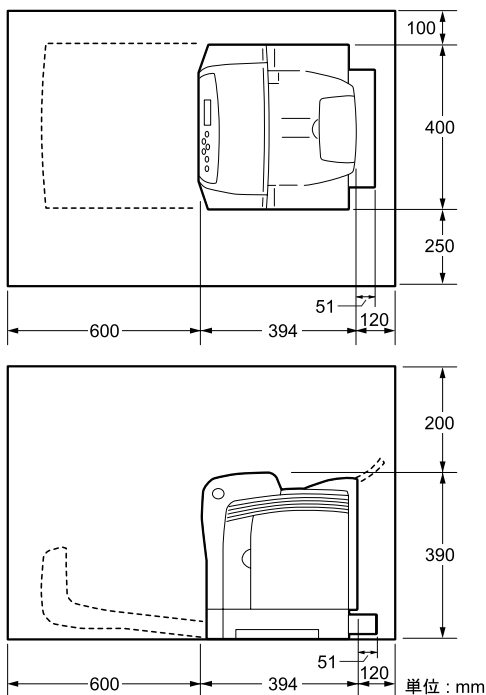
When lifting the machine, firmly grip the recessed areas provided on both sides of the machine. Never try to lift the machine by gripping any other areas. Lifting the machine by gripping any other areas can cause the machine to fall and result in injuries.



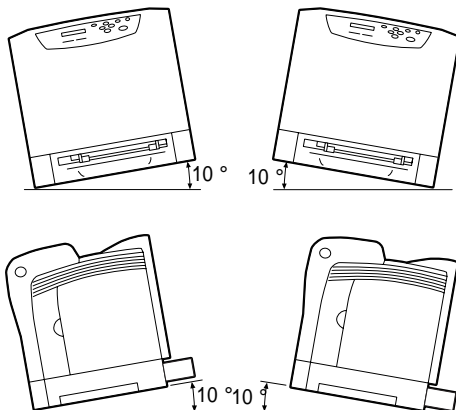
Please put the product on stable surface that can hold its weight, otherwise it may fall and can cause injury.

! Always locate the equipment in an area that has adequate ventilation. Do not obstruct the ventilation openings. Poor ventilation may cause overheat inside the machine and can lead a fire.

Keep the ventilation and service space clear to allow an access to the power plug. You would be required to unplug the machine when an abnormal condition is encountered.



! Do not incline the product more than 10 degrees.



Others

! In order to use and maintain this product in a good performance and condition, make sure to use the product within the following environment:

Temperature: 5 - 32°

Humidity: 15 - 85% (non-condensation)

When the product is left in a freezing cold room and the room is rapidly warmed up by heater, it can generate water drops inside the machine and cause a missing on printing.

Operational Safety



WARNING



Any operator product maintenance procedures will be described in the customer documentation supplied with the product. Do not carry out any maintenance procedures on this product which are not described in the customer documentation.



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.



If any of the following conditions occur, switch off the power to the machine immediately and disconnect the power cord from the electrical outlet. Call Lenovo (Beijing) Co., Ltd. to correct the problem.

- The equipment emits smoke or a surface of the equipment becomes unusually hot.
- The equipment emits unusual noises or odors.
- When the power cord or plug is damaged or frayed.

- A wall panel circuit breaker, fuse, or other safety device has been tripped.
- Liquid has spilled into the equipment.
- The equipment is exposed to water.
- Any part of the equipment is damaged.



Never push objects of any kind into slots or openings on the equipment.

Do not place any of the followings on the machine;

- Liquid container such as a vase or coffee cup
- Metal parts such as staples or clips
- Heavy object

When those are spilled over, slipped into or fall from the machine, it can cause electric shock, fire.



Do not use conductive paper, e.g. carbonic paper or coated paper. When paper jam occurs, they can cause a short circuit and fire.



Always use special clean materials to clean this product. The use of other materials may result in poor performance and may create a hazardous situation. Do not use aerosol cleaners, they may be explosive and flammable under certain circumstances.



Please use CD-ROM player rather than audio player to play CDROM provided with the product. Otherwise the overloud may cause damage of audio player or impediment of hearing.



Laser safety

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

With specific regard to laser safety, the equipment complies with performance standards for laser products set by International standard IEC60825 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.



CAUTION



Always follow all warnings and instructions that are marked on or supplied with the equipment.

To avoid burning or shock, please do not touch areas with "High Temperature" or "High Voltage" labels.

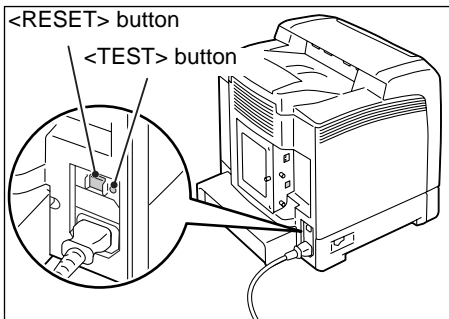


Do not override or disable electrical or mechanical interlocks. Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally, resulting in injuries.



The machine has a circuit breaker. In the event of a current leakage, the breaker will automatically cut off the power circuit to prevent any leakages or fire. The breaker is normally on "Reset" status. Once a month, check the breaker for correct operation by using the following procedure.

1. Turn the Main Power off.
2. Press the Test button which is on the right side of the back of machine.
3. Make sure <RESET> button pop up.
4. After confirmed, press <RESET> button to exit the test mode.



If you notice any unusual conditions, contact your Lenovo Customer Service Center.



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 Lenovo Customer Support Centre.



Please keep good ventilation condition while long-time operation or printing with large amount of workload. Improper ventilation will cause unpleasant odor (such as ozone) and will degrade air quality in the office. Please maintain a good ventilated, comfortable and safe environment.

Consumables



WARNING



Store all consumables in accordance with the instructions given on the package or container.



Do not use a vacuum cleaner for cleaning the spilled toner. Use a broom or a soaked cloth to clean any spills. Vacuumed toner inside the cleaner can ignite or explode by an electric spark of the cleaner and may cause an injury.



Do not throw the Toner Cartridge into an open flame. Remaining toner in the cartridge may catch fire and cause burn injuries. If you have a used toner cartridge no longer needed, contact Lenovo Customer Service for its disposal.



CAUTION



Please do not heat the drum or scratch its surface, for this may harmful to health.



Keep drum and toner cartridges 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 drum and toner cartridges, 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.

Should toner be swallowed, spit it out, rinse mouth with water and drink plenty of water. Consult a physician immediately.

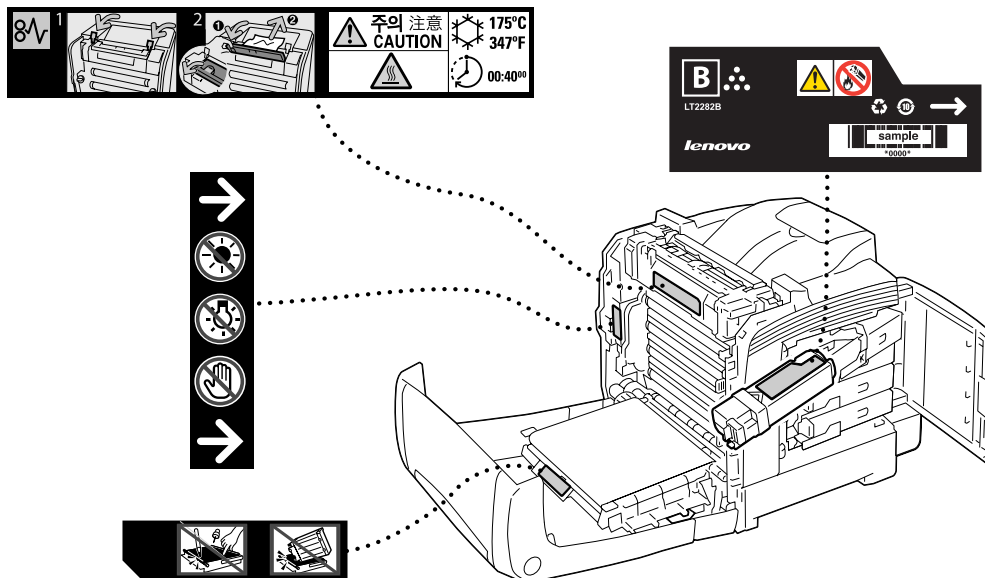


Fuser Safety:

When removing the fuser unit, make sure you switch off the power first and wait for 40 minutes before removing it.

Caution Label

Be sure to follow the warning and caution labels placed on the machine. Do not touch areas with labels indicating high voltage or temperature. This can cause an electric shock or burn.



Name and contents of Toxic and Hazardous Substance or Element in this product (including optionals)

Name of components	Toxic and hazardous substance or element					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr ⁶⁺)	Polybrominated biphenyl (PBB)	Polybrominated diphenyl ether (PBDE)
Paper feeder component	×	○	○	○	○	○
Exposal/image component	×	○	○	○	○	○
Electronic control component	×	○	○	○	○	○
○: shows that the content of toxic and hazardous substance in all the homogeneous material of this component is within the limit requirement of SJ/T11363-2006 standard. ×: shows that the content of toxic and hazardous substance in at least one homogeneous material of this component exceeds the limit requirement of SJ/T11363-2006 standard, which are only for the purpose of guaranteeing the product performance and function condition. There are no substitutable material and technology till now.						



The number in this symbol shows that the ecological life time of this product is ten years. As long as you obey the safety precautions, the toxic and hazardous substance contained in this product will not cause severe effect on the environment, body and property within ten years from the production date.

1 Set Printer Environment

This chapter introduces the printer supported OS, and necessary settings for using this printer.

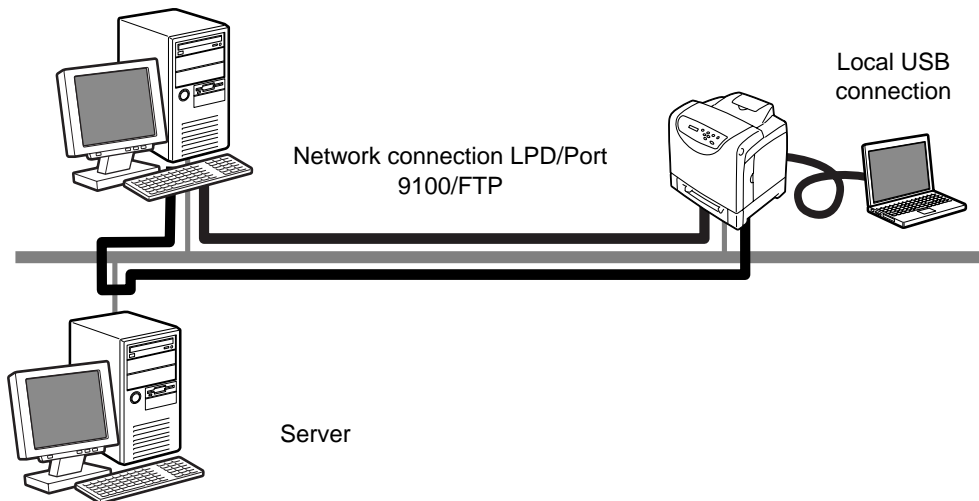
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1.1

Supported environment

This printer can be connected with computer as local printer, or can be connected to network as network printer.

In case for network printer, you must set the port to [**Auto**] (default setting: [**Auto**]) via control panel.



■ Supported OS and operating environments

Note

- The supported OS may subject to change without notice. Please visit our website for updated information.

Table1

Connection method	Local	Network		
Port name	USB ^{*1}	LPD	Port9100	FTP
Communication protocol	-	TCP/ IP		
Windows® 2000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Windows® XP	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Windows Server®2003	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Windows Vista™	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*1: The computer must have USB port to connect with the printer.



1.2

Set network environment

To use the printer in networked environment (TCP/IP), you must set IP address for it.

In factory settings, the [**Get IP Address**] is set to [**DHCP/Autonet**] . If the computer is connected to a network environment with DHCP server, it can acquire IP address automatically.

Please print the [**Printer Settings**] list to make sure IP address has been set for the printer.

In case IP address has not set for the printer, you must change [**Get IP Address**] to [**Panel**] , and then set IP address.

Note

- The printer can also use BOOTP or RARP server to acquire IP address information automatically. If BOOTP or RARP server is used, please change [**Get IP Address**] option to [**BOOTP**] or [**RARP**] .
- DHCP server may change printer IP address sometimes, so please check IP address periodically.

Print [**Printer Settings**] list

Please follow the following steps to print [**Printer Settings**] list.

Note

- Printer report/list can be printed on LT-sized paper in English.

- 1** Press < **Menu** > key to display Menu interface.
Display [**Report/List**] .

Menu Report/List

- 2** Press < **►** > or < **Eject/Set** >key to select.
Display [**Printer Settings**] .

Menu Printer Settings

SET PRINTER ENVIRONMENT

- 3** Press < **Eject/Set** >key to print.
Print report.

Print sample

Network	
Firmware Version	10.24
MAC Address	08:00:37:50:08:29
Ethernet Settings	100Base Full(Auto)
TCP/IP	
Get IP Address	DHCP/Autonet
IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Gateway Address	192.168.1.254
Status	Ready

If IP address has not been set or you want to change the address, please perform the following operations.

Set IP address

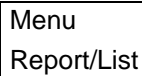
The steps for IP address setting are described below.

Here we introduce how to use control panel to set IP address. Based on the network environment, it is also necessary to set subnet mask and gateway address.

For items that must be configured for the printer, please consult with you network administrator.

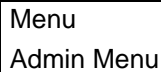
Set IP address

- 1 Press < **Menu** > key on the control panel to display Menu interface.



Menu
Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

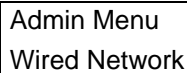


Menu
Admin Menu

Note

- If you have skipped an item to be selected, please press < ▲ > key to return to that item.

- 3 Press < ► > or < **Eject/Set** > key to select.
Display [**Wired Network**] .



Admin Menu
Wired Network

SET PRINTER ENVIRONMENT

Note

- If you have pressed < ► > key or < **Eject/Set** > on unwanted item, please press < ◀ > key return to previous interface.
- To restart over, please press < **Menu** > key.

- 4** Press < ► > or < **Eject/Set** >key to select.
Display [**Ethernet**] .

Wired Network Ethernet

- 5** Press < ▼ > key, until [**TCP/IP**] is displayed.

Wired Network TCP/IP

- 6** Press < ► > or < **Eject/Set** >key to select.
Display [**Get IP Address**]

TCP/IP Get IP Address

- 7** Press < ► > or < **Eject/Set** >key to select.
Display current settings.

Get IP Address DHCP/Autonet *

- 8 Press < ▼ > key, until [**Panel**] is displayed.

Get IP Address
Panel

- 9 Press < **Eject/Set** >key to confirm your choice.
The screen will display [**Reboot to apply settings**] for 3 seconds, and then return to Settings interface.

Get IP Address
Panel *

- 10 Press < ◀ > key return to [**Get IP Address**] .

TCP/IP Setting
Get IP Address

- 11 Press < ▼ > key to display [**IP Address**] .

TCP/IP
IP Address

- 12 Press < ▶ > or < **Eject/Set** >key to select.
Display current IP address.

IP Address
000.000.000.000*

SET PRINTER ENVIRONMENT

- 13** Use < ▲ > or < ▼ > key to input value in the first field, and then press < ► > key.

IP Address 192.000.000.000

Note

- If no need to change this setting, please press < ► > key go to next field.
- Press and hold < ▲ > or < ▼ > key to increase the value at increment of 10.
- To go back to previous field, press < ◀ > key.

- 14** Fill the remained field in the same way, after the last (4th) field is finished, press
< **Eject/Set** > key to confirm your input.

IP Address 192.168.001.100*

- 15** If you want to set subnet mask and gateway address, press < ◀ > , continue step 16.
To finished the setting, please continue step 23.

Set subnet mask/gateway address

- 16** Press < ▼ > key, until [**SubnetMask**] is displayed.

```
TCP/IP
SubnetMask
```

- 17** Press < ► > or < **Eject/Set** > key to select.
Display current subnet mask.

```
SubnetMask
000 . 000 . 000 . 000*
```

- 18** Input subnet mask in the same way as for IP address, and then press < **Eject/Set** > key to confirm your input.

```
SubnetMask
255 . 255 . 255 . 000*
```

- 19** Press < ◀ > key return to [**SubnetMask**] .

```
TCP/IP
SubnetMask
```

- 20** Press < ▼ > key to display [**Gateway Address**] .

```
TCP/IP
Gateway Address
```

SET PRINTER ENVIRONMENT

- 21** Press < ► > or < **Eject/Set** > key to select.
Display current gateway address.

Gateway Address 000 . 000 . 000 . 000*

- 22** Input gateway address in the same way as for IP address, and then press < **Eject/Set** > key to confirm your input.

Gateway Address 192 . 168 . 001 . 254*

- 23** Finish all settings.
Turn off printer power and then turn it on again to restart the printer.
- 24** Print [**Printer Settings**] list, confirm the settings.

1.3

Use WebAdmin Servicess to set up printer

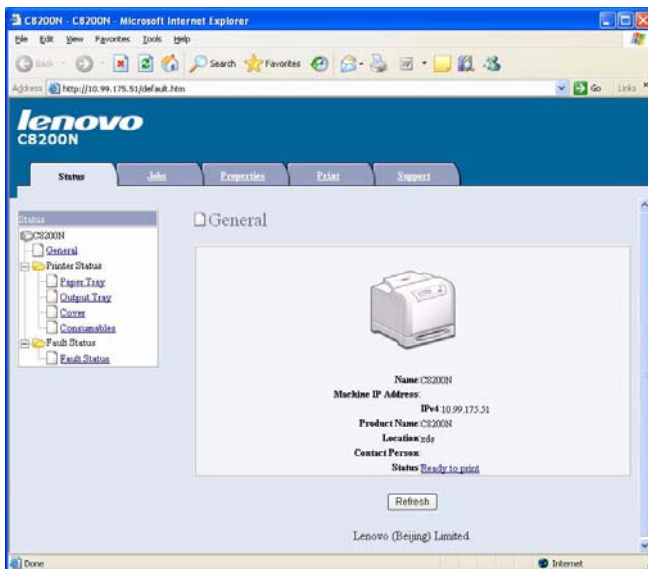
WebAdmin Servicess overview

WebAdmin Servicess is a service application that allow printer status and printing job status can be viewed by Web browser in TCP/IP environment.

Some items in the control panel can be set under the [**Properties**] tab of this service program.

Note

- WebAdmin Servicess cannot be used for local printer.



Supported operating environment and settings

Supported Web browsers

WebAdmin Services has been tested to be used for the following Web browsers.

For Windows 2000, Windows XP, Windows Server 2003 or Windows Vista

- Microsoft® Internet Explorer 6/7
- Mozilla Firefox 2

Set Web browser

If WebAdmin Services is in use, we recommend you perform the following settings via Web browser.

- Not use proxy server, assign IP address for this printer directly.
- Enable JavaScript.

Note

- If you use proxy server to assign IP address for this printer, then response of the application may become slow, or application window may not be displayed.
- If JavaScript is not running or is disabled, then certain buttons in the application may not show up. In this case, the buttons will be displayed as URL links.
- For detailed information about how to set Web browsers, please refer to Web browser's Online Help.

Besides, you can change display language of WebAdmin Services via Web browser to switch the interface of the application to other language.

Note

- For detailed information about how to change display language, please refer to Web browser's Online Help.

Set up printer

If WebAdmin Services is used, then you must set IP address for the printer and enable [WebAdmin Services] (factory default setting: [Enable]). If [WebAdmin Services] was set to [Disable] , please change it to [Enable] via control panel.

Reference

- Refer to WebAdmin Services (Page 5-16).

Items that can be set using WebAdmin Services

The major functions that can be set using labels on WebAdmin Services are shown as below.

Table 2

Label name	Main function
Status	<ul style="list-style-type: none">● General Display product name, IP address and printer status etc.● Printer Status Display paper size and remained in the paper tray, output tray status and remained life of consumables such as toner and drum cartridge.● Fault Status Display control panel status and event information (error information) such as location, details etc.
Job	<ul style="list-style-type: none">● Display job status list and job log list.

Table 2

Label name	Main function
Properties	<ul style="list-style-type: none"> ● Description Display product name and SN of the printer. Besides, it can also set printer name*, installation location*, contact person* and mail address of device administrator* etc. ● Configuration Display major specification of printing functions, page description language and memory setting. ● Usage counter Display total printed impressions, color printed impressions and black printed impressions. ● Initialization Execute initialization of NV memory and reboot printer. ● E-mail Alert* This printer can notify its status to appointed user via email. You can set email address of the user and items to be notified. ● Administrator Security Settings * You can also select whether to use [Administrator Mode], and the ID and password of the administrator for [Administrator Mode]. Default name and password of device administrator are "Root" and " blank ". Please change the default password before using Administrator Mode. ● Port Status Enable or disable ports on the device. ● Port Settings Ethernet related settings. ● Protocol Settings * Set detailed information about protocols.
Print	<ul style="list-style-type: none"> ● Print Auditron * Use this function to restrict printer user. If this function is being used, please input user information of the printer here.
Support	<ul style="list-style-type: none"> ● Display customer supporting information with website link for customer support.

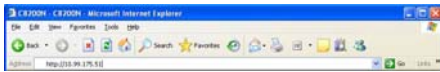
* Theses items can only be set by using WebAdmin Services, they cannot be set by control panel.

Use WebAdmin Services

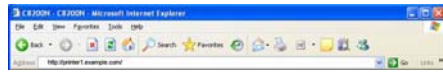
Please perform the following operation to use WebAdmin Services.

- 1 Start the computer and Web browser.
- 2 Input printer IP address or URL in the address bar of Web browser, and then press < **Enter** > key. Display the main page of WebAdmin Services.

● IP address input example

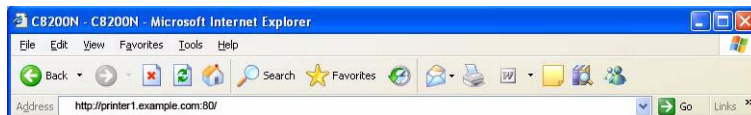


● URL input example



Note

- If the port number has been assigned, please input ":" after the address, and then input "80" (factory default port number).
- Port number can be changed under [**Properties**] tab > [**Protocol Settings**] > [**HTTP**] . If the port number has change, you must input ":", and then input port number when connect via Web browser.



1.4

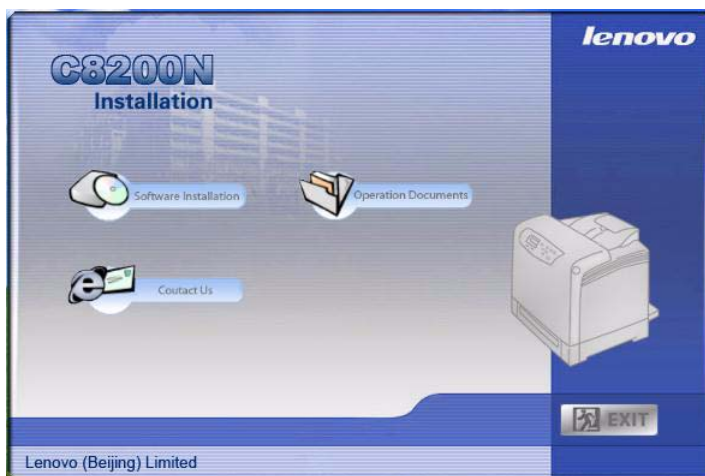
Install printer drivers

To print from computer, please use Driver Kit CD to install printer driver program. The driver installation methods may vary depending on connection method between the computer and the printer. Please follow instructions in Driver CD to install.

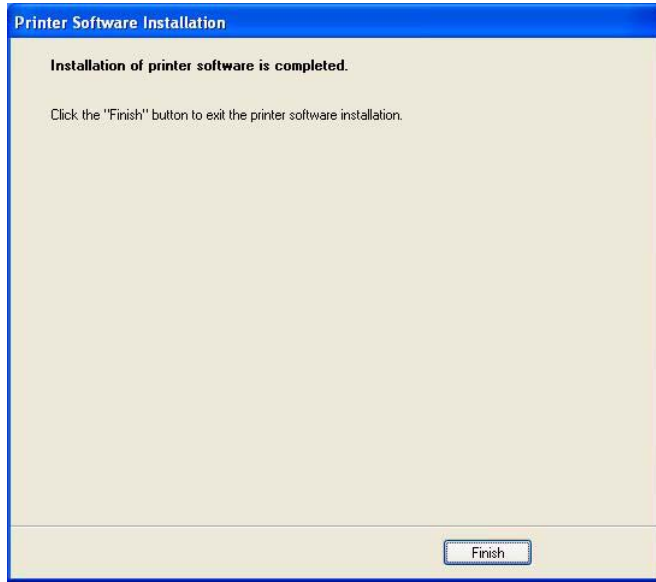
Installation steps:

- 1 Connect printer to computer by USB or LAN.
- 2 Insert Driver CD into computer's CD-ROM, and turn printer power on.
- 3 Click "Software Installation" in the pop-up interface, and install the driver step by step according to instructions on screen.

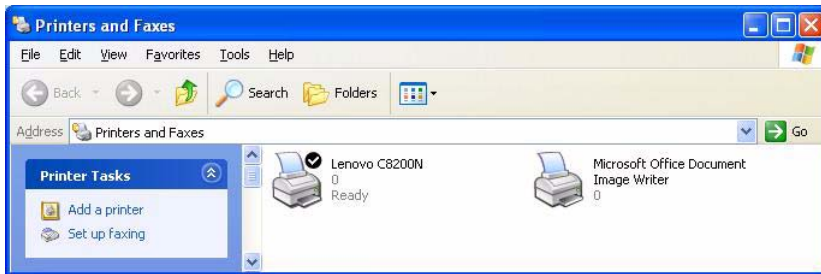
Turn the printer power on according to the prompts during the installation.



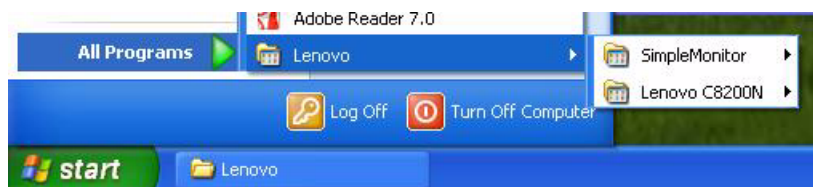
- 4 When the figure below is displayed, click "Finish".



- 5 Click "Start" - "Settings" - "Printers and Faxes", click "Lenovo C8200N", right click mouse button, and select "Set as default printer". The printer icon will be shown as below.



- 6** Reboot computer, you will find a new application group, as shown in the figure.

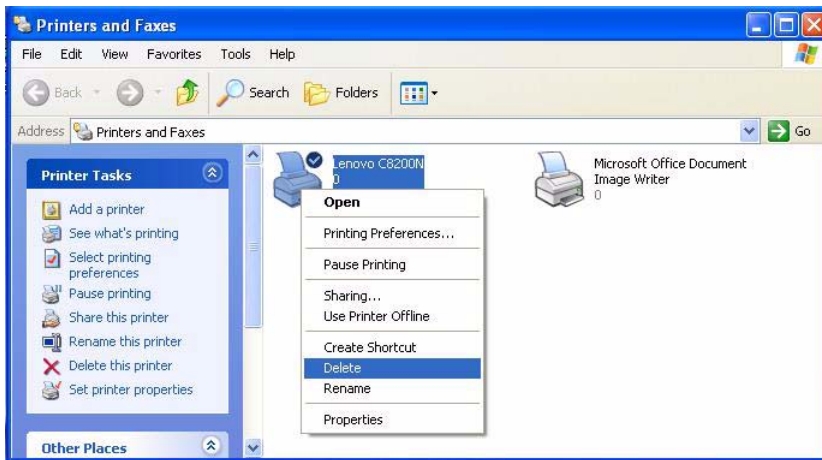


The installation of printer is complete, and you can start printing now.

Uninstall

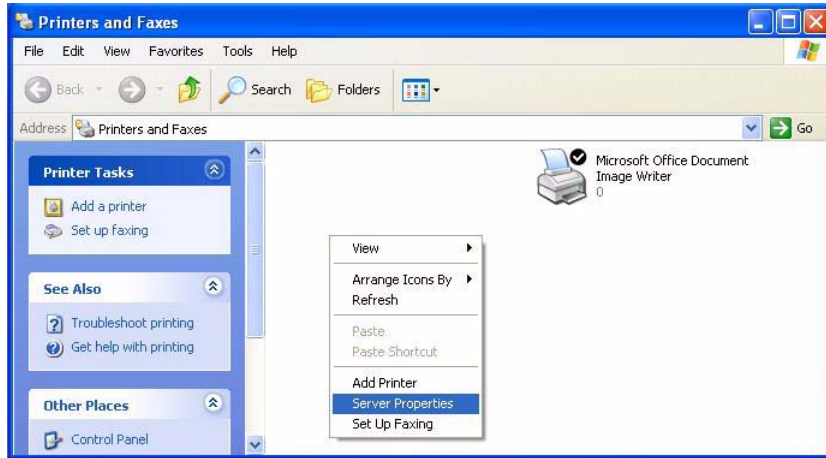
Uninstall printer driver

- 1 Click "Start" - "Settings" - "Printers and Faxes", click "Lenovo C8200N", right click the mouse button, and select "Delete".

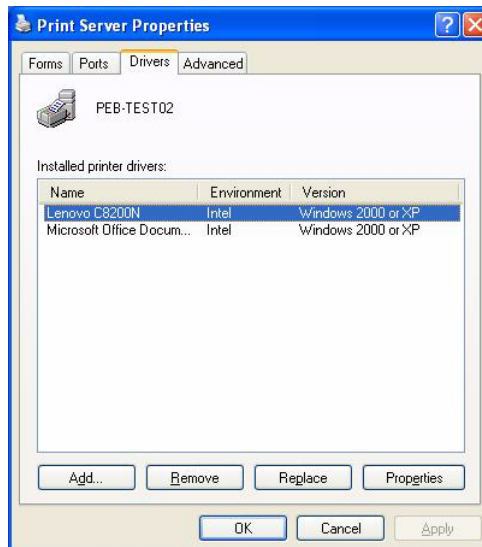


SET PRINTER ENVIRONMENT

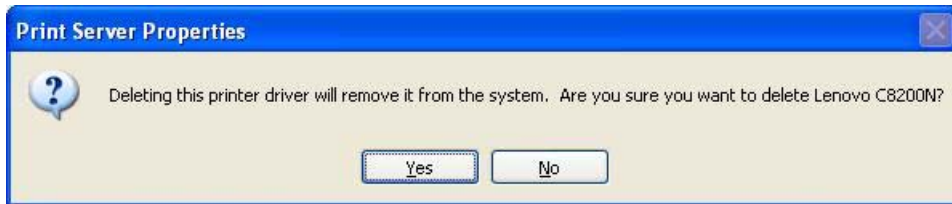
- 2 Right click the mouse button on the blank space of the screen, Select "Server Properties".



- 3 The following screen will appear, then select "Drivers".



- 4 Select "Lenovo C8200N" in the drivers list, then press "Remove".



- 5 When asking whether to cancel or not, select "Yes".
- 6 Reboot the computer to finish the manual uninstall of the drivers.

Uninstall simple monitor

In "Control Panel" - "Add and Remove Program", select Lenovo Simple monitor, and click Remove.



2 Basic Operations of the Printer

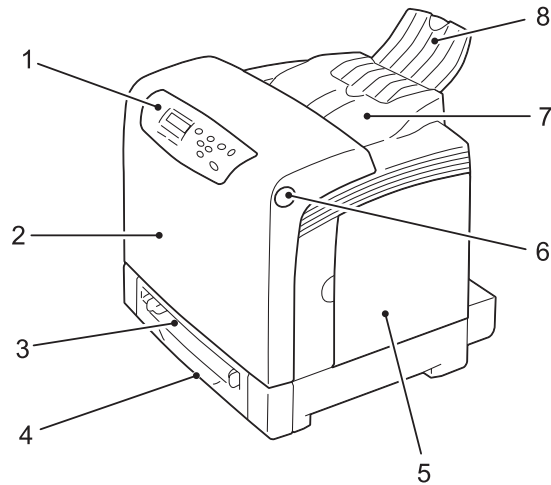
2.1 Name and Functions of Each Part	2-2
2.2 Turn on/off power	2-8
2.3 Leakage current breaker	2-10
2.4 Set/Exit Power Saving Mode	2-11
2.5 Cancel/Confirm Printing	2-12

2.1

Name and Functions of Each Part

Printer Mainframe

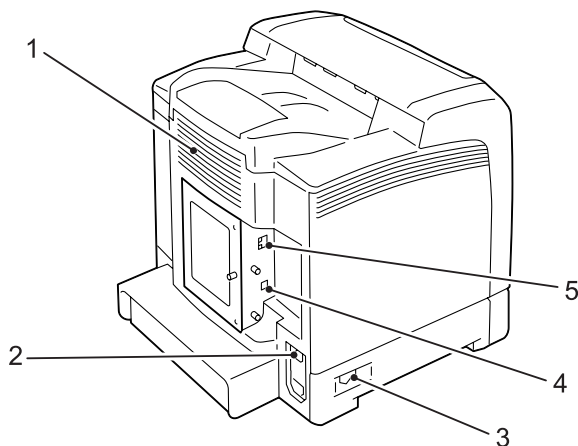
Front View



No.	Name	Description
1	Control Panel	Buttons, indicators, screens that are necessary for operation. For detailed information, please see "Control Panel" (P2-5).
2	Front Cover	For replacing drum cartridge or removing jamed paper, press the front cover button to open it.
3	Manual Feeder	Put papers one by one manually into the try for manuall paper feeding.
4	Tray1	Standard paper tray.
5	Side Cover	Open the side cover for replacing toner cartridge.
6	Front Cover Button	For replacing drum cartridge or removing jamed paper, press the front cover button to open the front cover.
7	Output Tray	Output printed paper with print side face down.

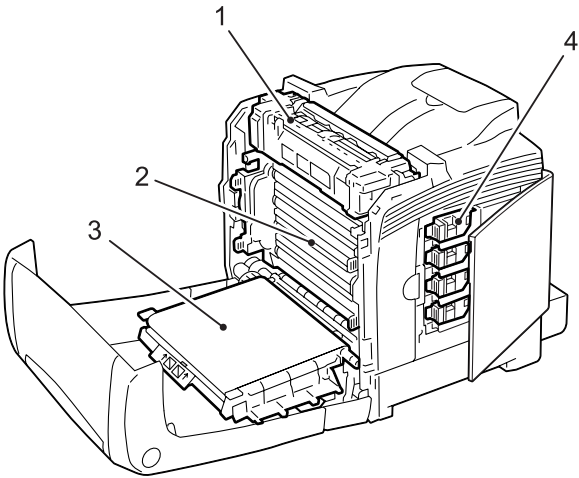
No.	Name	Description
8	Prolonged Board of Output Tray	In case of printed paper slipping off from mainframe, extract the board to prolong output tray.

Rear View



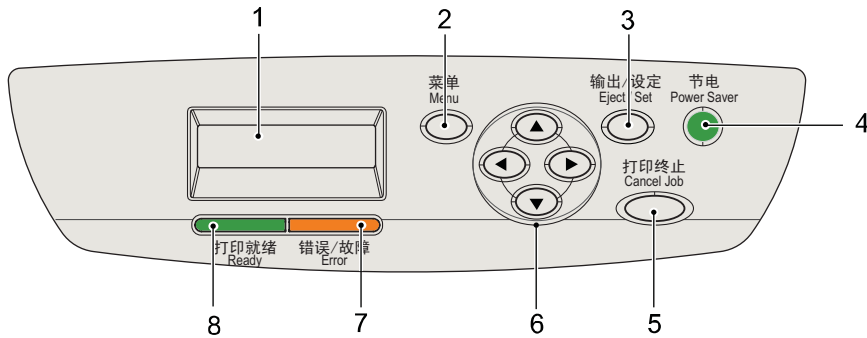
No.	Name	Description
1	Vantilation Hole	Dissipate heat to prevent overheat within the printer. Important Block the vantilation hole will result in heat accumulation within the printer and may cause problems.
2	Leakage Current Breaker	Fast detect leakage current in the circuit and the printer, and cut the power instantly to prevent accident.
3	Power Button	Turn on/off printer power. Switch to < > to turn the power on, and switch to < O > to turn off the power.
4	USB Port	Connect the USB cable to the printer.
5	Network Connector	Connect network cable to the printer. Network cable is used to connect the printer with network.

Inside View



No.	Name	Description
1	Fuser	Heat up and add pressure to fuse the toner to the paper. Important ● Do not touch the fuser while the printer is working. The fuser is very hot during printing process.
2	Drum Cartridge	Including the drum and the developer. The static electric (charge) is first cast to the drum, and then form the potential printing image on the surface of the drum.
3	Transfer Belt Component	Transfer the toner from the drum belt to the paper.
4	Toner Cartridge	The cartridge is loaded with toners with colors of black, cyan, magenta and yellow.

Control Panel



No.	Name	Description
1	Display Screen	Display configuring items, printer status and information etc. Reference ● Refer to Display of The Screen (Page 2-7).
2	< Menu > Button	Enter menu interface.
3	< Eject/Set > Button	Set menu options while menu interface is displayed. It is also used for print report/list.
4	< Power Saver > Button/Indicator	This indicator is turned on when printer is at power saving mode (sleep mode). Press this button under sleep mode will exit power saving mode.
5	< Cancel Job > Button	Cancel printing job.

No.	Name	Description
6	< ▲ > < ▼ > < ◀ > < ▶ > buttons	<p>When menu interface is displayed, use these buttons to move the cursor between menus, items and options on the screen.</p> <p>Note</p> <ul style="list-style-type: none">● When using < ▲ > < ▼ > buttons to change an option value, press and hold the button can change display content consecutively. If < ▲ > < ▼ > buttons are pressed simultaneously, initial value will be displayed.
7	< Error > Indicator	If abnormal condition occurred in the printer, the indicator will blink or light.
8	<Ready> Indicator	This indicator will light if printer is at ready status.

Display of The Screen

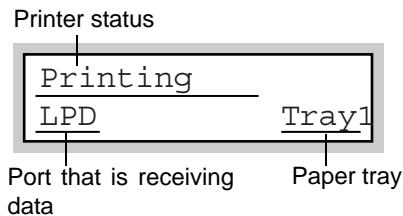
The screen will display two type of interfaces, one type is the "Printing Interface" which indicates printer status, and the other type is the "Menu Interface" which related with printer settings.

Note

- Base on actual settings, the information displayed on the screen may vary.

Printing Interface

When printer is printing or is waiting for data, the screen will show printing interface. The following contents will be shown in the printing interface when the printer is printing data received from computer.



Menu Interface

Interface for printer related settings.

Press < **Menu** > button to display Menu interface. The initial menu interface as shown below.



Reference

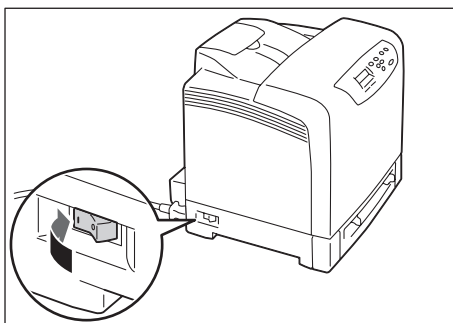
- To learn about what items can be set on menu interface: Refer to Chapter 5 Control Panel Menu (Page 5-1).



2.2

Turn on/off power

Turn on the power



- 1 Switch the power switch to **< | >** .
- 2 While the power is turning on, the screen will display [**Please wait.**] . Please wait until the display changed to [**Ready to Print**] .

Note

When [Please wait.] is displayed on the screen, the printer is just warming up and cannot print at that time.

- If there is error message on the screen, please -

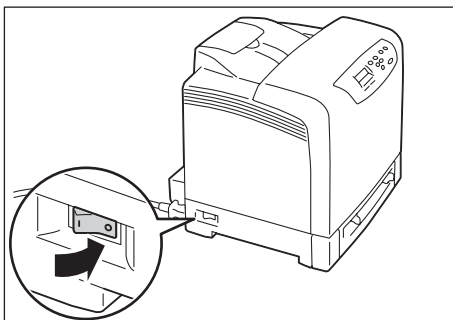
Turn off power

Important: When [**Please wait.**] is displayed on the control panel screen, please do not turn off the power.

Do not turn off power while printing, otherwise it may cause paper jam.

Turn off the power will delete remained printing data in the printer and information stored in printer memory.

- 1 Check the control panel screen or indicator to make sure printer is no at working status.



- 2 Switch printer power switch to < **O** > position to cut the power.

2.3

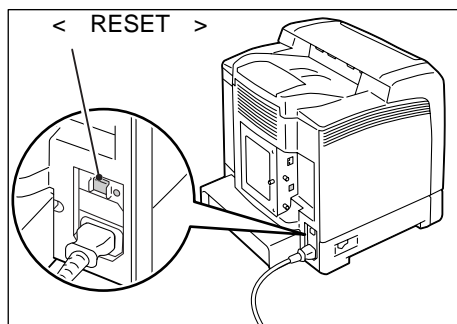
Leakage current breaker

There is a leakage current breaker at the right of printer back.

When there is current leakage, the breaker will cut the power circuit automatically to prevent leakage and fire accident.

If the breaker has tripped, please check the insulation status of the printer, and the press **< RESET >** button.

If the insulation is not back to normal, the leakage current breaker would trip again immediately. In this case, please contact with our customer support center.



Please also turn off the power once a month to test whether the leakage current breaker can function normally. If the breaker is not working properly it may cause an electric shock accident.

If the leakage current breaker is abnormal, please contact with our customer support center.



2.4

Set/Exit Power Saving Mode

To reduce power consumption while waiting for data, the printer has two operating modes: Standby and Sleep.

As a factory setting, if the printer had not received any printing data within 3 minutes since last print job, it will be switched to Standby mode automatically. If there is still no printing data after 2 more minutes, the printer will be switched to Sleep mode.

When printer is at Standby mode, the control panel will display [**Ready/Standby**] . When printer is at Sleep mode, all indicators other than the < **Power Saver** > indicator will turn off. At this time, the screen will also turn blank and not display any content.

The time waited for switch to Standby/Sleep mode can be set via the menu on control panel. The time scope can be set for Standby mode and Sleep mode is 1-60 minutes. Under Sleep mode, power consumption of the printer is less than 5W, and will back to Ready status about 20 second after activated again.

Note

- You can set the printer not to switch to Sleep mode.
- To learn about steps for changing Standby/Sleep mode settings, please Refer to Setting example: change power saver mode/sleep mode setting (Page 5-6).

Exit power saving mode

Power saving mode will be exit automatically upon printing data received from computer.

You can also press any button on control panel to exit Standby mode manually; or press < **Power Saver** > button to exit Sleep mode manually.


Note

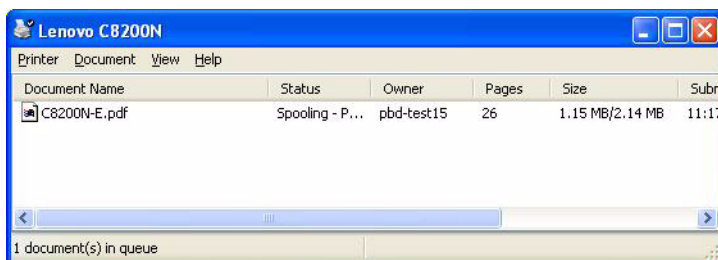
- When printer is at Sleep/Standby mode, open or close the cover will made the printer exit from power saving mode automatically.
- When printer is at Sleep mode, all buttons other than the < **Power Saver** > button are not available.
Please first press the < **Power Saver** > button to exit Sleep mode.

Cancel Printing

To stop printing, you can cancel printing instruction on the computer or on the printer.

Cancel data printing by computer.

- 1 Double click the printer icon at the right lower of task bar on the computer .
- 2 Click the file name in the display window to cancel it (press **<Delete>** key on the keyboard). If you cannot find the file in the window, please press **<Cancel Job>** button on the printer control panel to cancel the printing job.




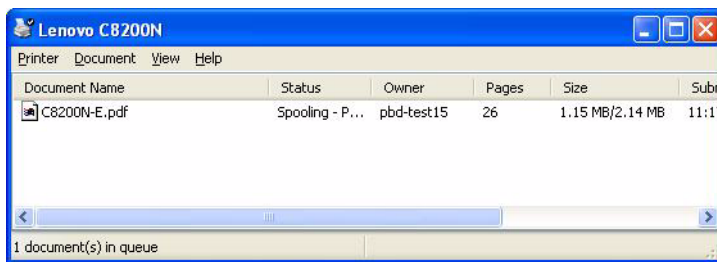
Cancel data printing job that is being printed/received

Press **< Cancel Job >** button on the control panel. However, the page being printed at the time you press the button will not be cancelled.

Confirm data status of print instruction

Confirm working status in Windows

- 1 Double click the printer icon at the right lower of task bar on the computer screen .
- 2 Confirm [**Status**] in the displayed window.



Confirm by using WebAdmin Services

You can use the [Job] tab on WebAdmin Services to confirm status of printing job that has been instructed to the printer.

Reference

- To learn how to use WebAdmin Services, please "Refer to Chapter 1 Use WebAdmin Services to set up printer (Page 1-13).
- [**Job**] tab: online help for WebAdmin Services.



3 ***Print***

3.1 Print from Computer	3-2
3.2 Print on Envelope	3-6
3.3 Print on Non-standard Sized Papers	3-12
3.4 Duplex Printing	3-18



3.1

Print from Computer

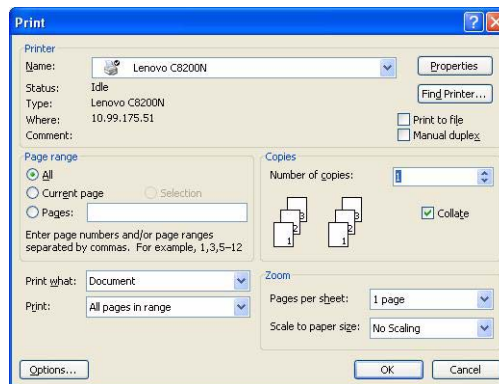
The basic steps for using applications under Windows environment to print as described below.

We take WordPad in Windows XP as example.

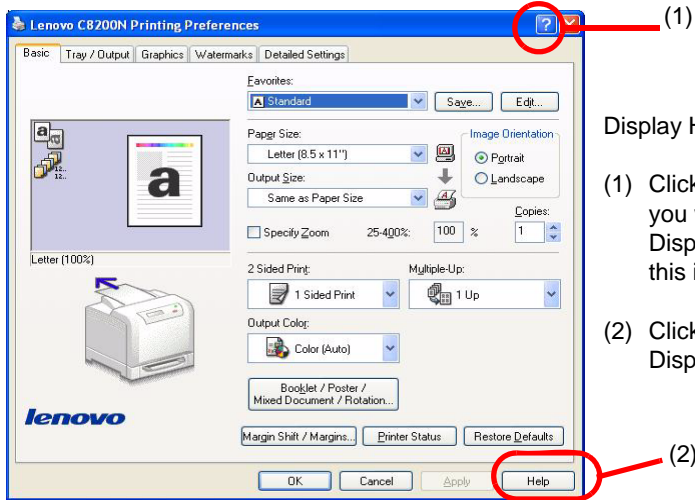
(the steps may vary depending on computer and application being used.)

- 1 Click [**Print**] on [**File**] menu of the application.
- 2 Select printer from [**Name**] list, and display properties dialog box.
Click [**Properties**] of WordPad, display properties dialog box.

Print



- 3 Switch correspondent tab to set printing function, click [**OK**]. For detailed information about printing functions, please refer to online help of printer driver.



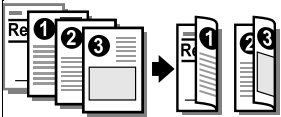
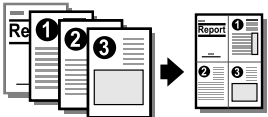
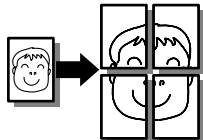

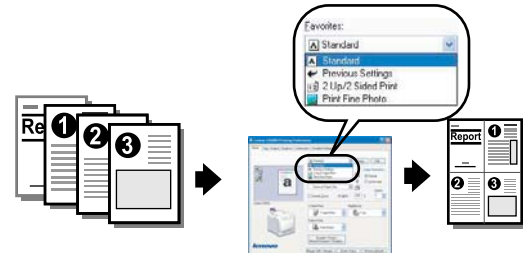
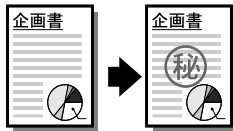
Display Help:

- (1) Click [?], and then click the item you want to get help. Display help information about this item.
- (2) Click [Help]. Display [Help] window.

- 4 Click [**OK**] in [**Print**] dialog box to execute printing operation.

Convenient functions that can be set in Properties dialog box^{*1}

The following contents introduce about representative functions that can be set in tabs of printer driver. For detailed information about these functions, please refer to online help of printer driver

Tab	Function		
Normal	<ul style="list-style-type: none">● Duplex Printing*² Print at double side of the paper by manual operation. 	<ul style="list-style-type: none">● N in One Print contents of multiple pages on one page. 	<ul style="list-style-type: none">● Continuous enlarged printing Used to make posters. 
	<ul style="list-style-type: none">● Make Booklet*² Combined printing of duplex and page allocation, make these pages in order when folded, just like a booklet. 	<ul style="list-style-type: none">● Collection Just select an item in this list to finish required print settings at once. You can also add your commonly used print settings in this list. 	
Graphics	<ul style="list-style-type: none">● Recommended printing quality types It can work with type and usage of printing files such as photo and picture to adjust printing quality.		
Watermark	<ul style="list-style-type: none">● Watermark Add watermark under original image, such as adding [Confidential] on it. 		

^{*1}You can also use the printer icon in [Printer and Fax] window (or [Printer] window, depending on your OS) to display properties dialog box and set printing functions.

^{*2} Only support tray1.

Introduce how to print envelope.

Place envelope

Place envelope in tray1

There is no preset size for envelope on the C8200N driver, so user needs to create Custom Size (width: 76.2 -215.9 mm, Length: 127- 355.6 mm) before use envelope. See 3.3 "Print on Non-standard Sized Papers" to create Custom Size.

Important

- To reach maximum printing quality, do not use envelopes with the following conditions.
 - Crumpled or twisted envelope.
 - Envelopes that stick together or worn out.
 - Envelope with open window, hole, punch, cut or protruding.
 - Envelope with ropes and metal sheets, or its folded part is made of metal.
 - Envelope with stamp.
 - Envelope that sealed with exposed bond.
 - Envelope with grossed margin or crumpled corners.
 - Envelope with tough, crumpled or coated surface.

Note

- At most 10 envelopes can be put in tray1.

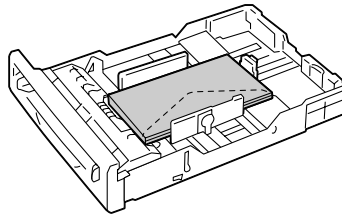
Please place envelopes according to following steps:

- 1** Remove tray1 from printer mainframe.
- 2** Place envelopes with address side facing up.

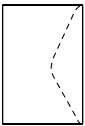
Portrait orientation



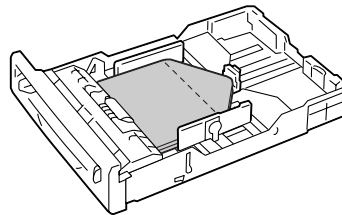
Place envelope as address side facing up, seal at right side.



Landscape orientation



Place envelope as address side facing up, seal facing inward.



- 3** Move the paper guide rod to match with size of placed envelope.
- 4** Put tray1 back to printer mainframe.

Important: Please take care not to clamp finger between paper tray and printer mainframe while inserting the tray.

- 5** Use control panel to change paper type and size for tray1.

Reference

- About steps for using control panel to change tray1 settings, please Refer to Use control panel to change paper settings for tray1(Page 4-12).

Print Envelope

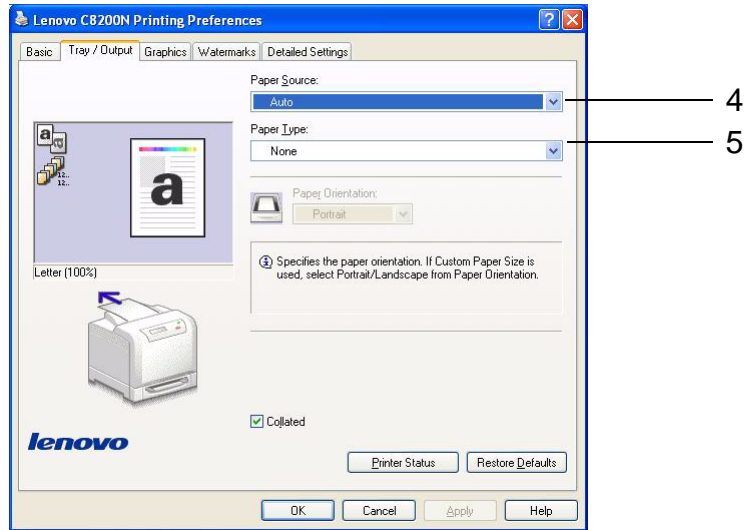
We take WordPad in Windows XP as example to introduce printing steps.

Note

- The method may vary depending on the application and display method of printer's properties dialog box. Please refer to User's Manuals of these applications.

- 1** Click [**Print**] on [**File**] menu.
- 2** Select printer from [**Printer**] list, and then click [**Properties**] .
- 3** Click [**Tray/Output**] tab.
Select the tray with envelopes from [**Paper Source**] .

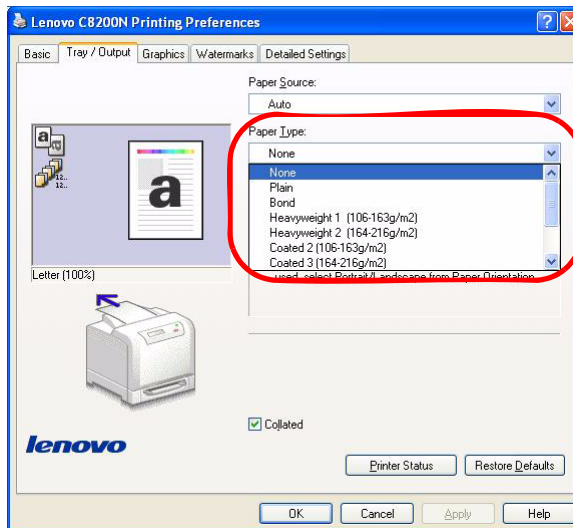
4 Select the paper tray placed with envelope from [**Select Paper Tray**] .



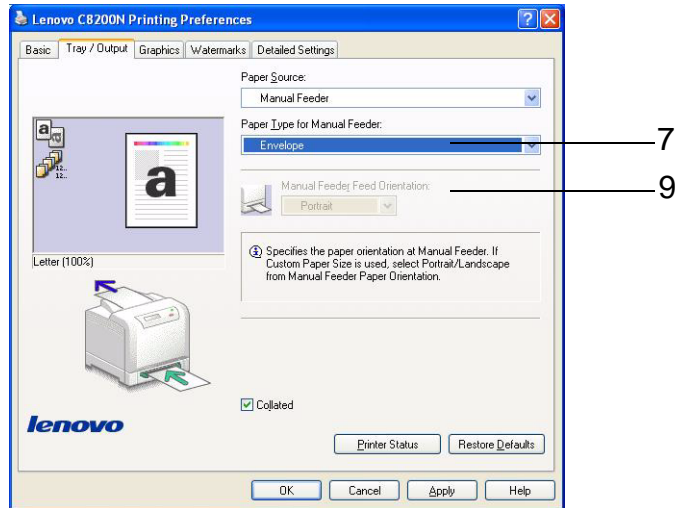
5 Select paper type from [**Paper Type**] .

Note

- If you have selected [Manual Feeder] in steps 4, please select [Envelope] from [Paper Type for Manual Feeder].



- 6 Click [**Layout**] tab.
- 7 Select custom size paper size that you created. (see 3.3 to create custom paper size).
- 8 Click [**OK**] .

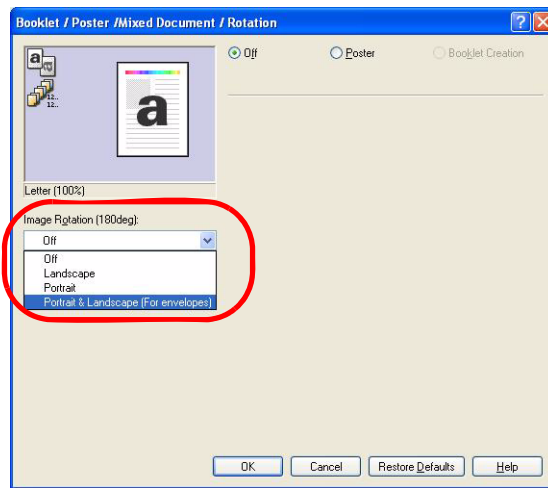


There is no preset size for envelope on the C8200N driver, so user needs to create Custom Size (width: 76.2 -215.9 mm, Length: 127- 355.6 mm) before use envelope. See 3.3 "Print on Non-standard Sized Papers" to create Custom Size.

9 Select size of placed papers from [**Output Size**] .

Note

- If you are printing on envelope, the following steps should be followed based on placed information type.
 1. Click [Booklet/Poster/Mixed Document/Rotation] to display [Booklet/Poster/Mixed Document/Rotation] dialog box.
 2. Set [Image Rotation 180°], click [OK].



10 Click [**OK**] .

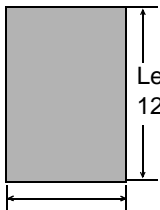
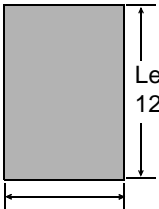
11 Click [**OK**] in [**Print**] dialog box to execute printing operation.



3.3

Print on Non-standard Sized Papers

Introduction about printing method on non-standard sized papers.
The paper size can be used in the printer as shown below.

Manual Feeder	Tray1
<p>Insert opening of Manual Feeder</p> <p>↑ Feeding direction</p>  <p>Length: 127-355.6mm</p> <p>Width: 76.2-215.9mm</p>	 <p>Length: 127-355.6mm</p> <p>Width: 76.2-215.9mm</p> <p>↓ Feeding direction</p> <p>Faced to the printer.</p>

Placing non-standard sized papers

The method for place non-standard sized papers is the same with standard sized papers. Please Refer to 4.2 Placing Papers(Page 4-7)

Register non-standard sized papers

Before using non-standard sized papers, please register the size of these papers in printer driver. We take Windows XP as the example to introduce the operating steps.

If non-standard sized papers are placed in tray1, please first use control panel to set paper size for the tray. For details about how to set paper size on control panel, please see [Set paper size for paper tray] (p.59).

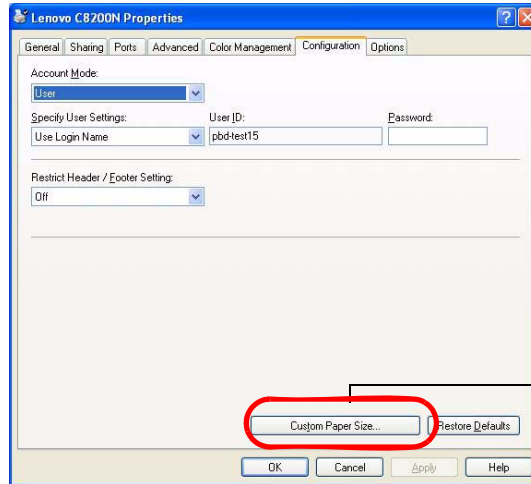
Important: When setting paper size using print driver and control panel, please make sure the size is the same with actual paper size. If you have set different paper size to print, it will cause problem on printer.

Note

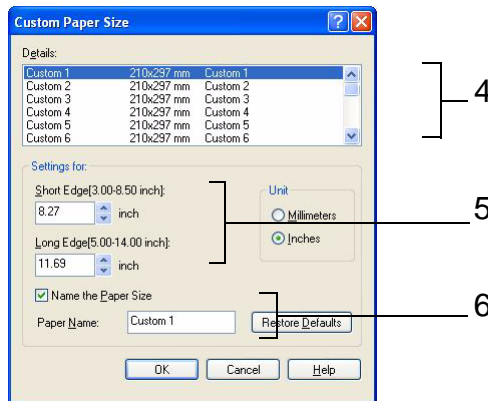
- In Windows 2000/Windows XP/Windows Server 2003/Windows Vista, only user with administrator privilege can change the setting. Users without administrator privilege can only view the setting.
- In Windows 2000/Windows XP/Windows Server 2003/Windows Vista, if the settings in [Custom Paper Size] dialog box is for local printer, because of computer format database, it will affect other printers on the computer. If the printer is shared network printer, because the used of format database stored in the server for printing file, it will also affect same shared network printers on other computers.

- 1** Click [**Printers and Faxes**] in [**Start**] menu of Windows, display printer properties.
- 2** Click [**Configuration**] tab.

3 Click [Custom Paper Size] .



4 Select custom settings from [Detailed Settings] list.



5 Use [Settings for] to assign lengths of short edge and long edge. Use keyboard or [▲] [▼] keys to assign. Even within the specified scope, the short edge cannot be longer than long edge, and the long edge cannot be shorter than short edge.

- 6** To name the paper size, please check [**Name the Paper Size**], and then input a name (not exceed 14 bytes for DBC case, not exceed 7 bytes for SBC case) in [**Paper Name**].
- 7** Please repeat steps 4 to 6 based on your requirement to define other custom paper sizes.
- 8** Click [**OK**].
- 9** Click [**OK**].

Print on Non-standard Sized Papers

We take WordPad in Windows XP as example to introduce printing steps.

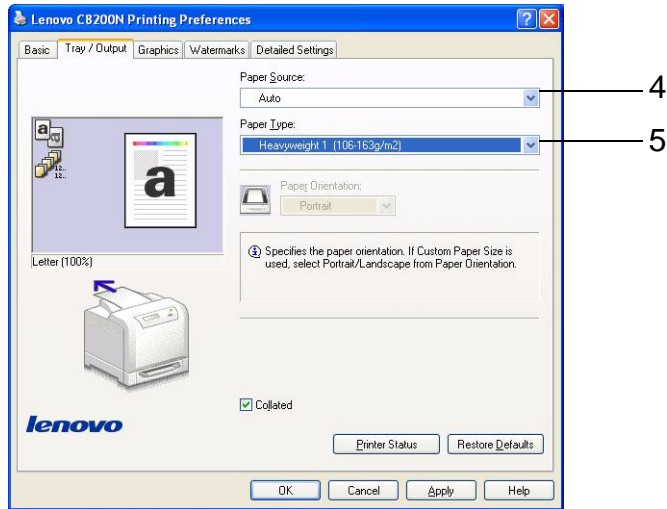
Important: If you have set proper paper size to print, it will cause problem on printer.

Note

- The method may vary depending on the application and display method of printer's properties dialog box. Please refer to User's Manuals of these applications.

- 1** Click [**Print**] on [**File**] menu.
- 2** Select printer from [**Printer**] list, and then click [**Properties**].
- 3** Click [**Tray/Output**] tab.

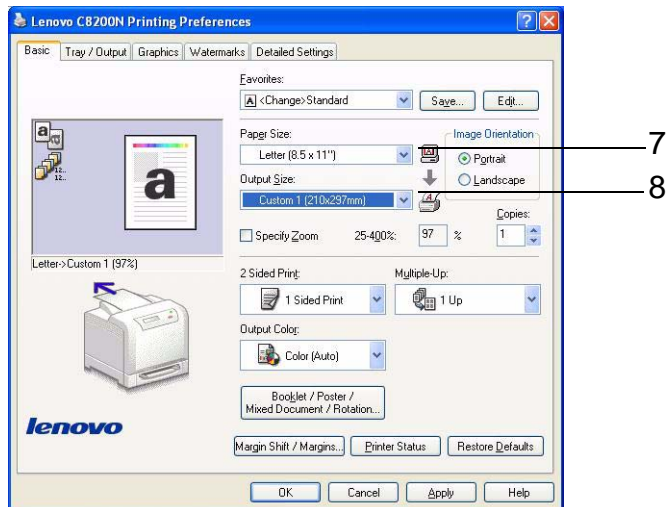
- 4 Select the paper tray that placed with non-standard sized papers from [**Paper Source**] .



- 5 Please select paper type from [**Paper Type**] or [**Paper Orientation**] .

- 6 Click [**Basic**] tab.

- 7 Select any size from [**Paper Size**] .



- 8 Select registered custom paper size from [**Output Size**], then click [**OK**] .
- 9 Click [**OK**] in [**Print**] dialog box to execute printing operation.

This section introduces about method for using tray1 to perform duplex printing manually.

Note

- Manual Feeder cannot be used for duplex printing.
- For information about size and type of papers that can be used for duplex printing, please Refer to 4.1 Paper(Page 4-2)

Duplex Printing

When using this printer to execute duplex printing, first please assign [Duplex] on computer to issue printing instruction. Because at first only even numbered pages are printed, therefore, please place these papers again to print odd numbered pages.

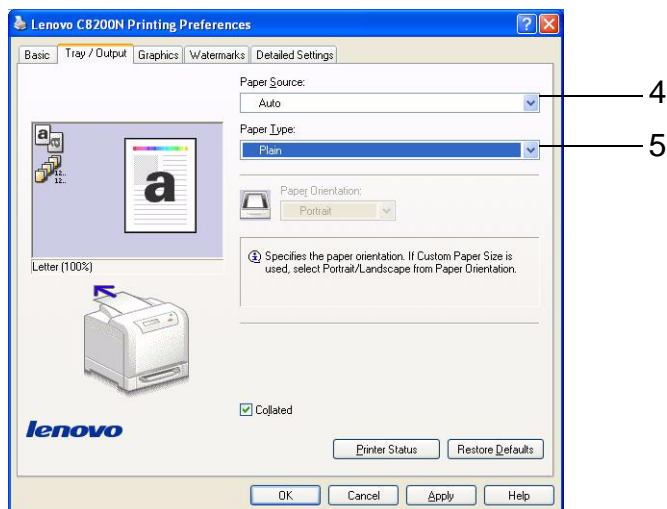
We take WordPad in Windows XP as example to introduce printing steps.

Note

- The method may vary depending on the application and display method of printer's properties dialog box. Please refer to User's Manuals of these applications.

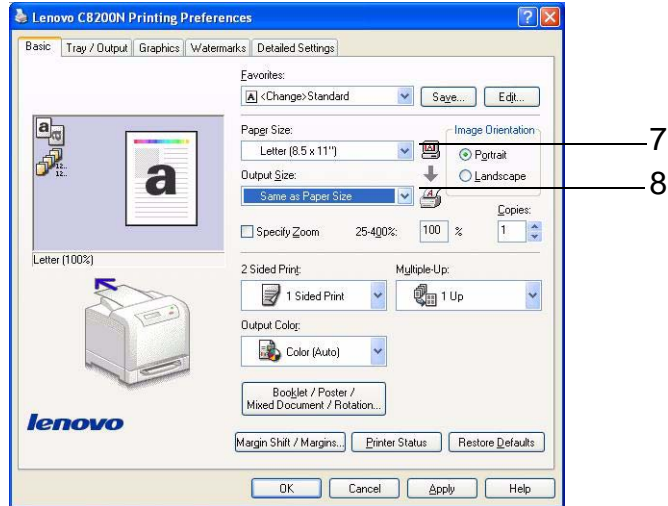
Operations on computer

- 1 Click [**Print**] on [**File**] menu.
- 2 Select printer from [**Printer**] list, and then click [**Properties**] .
- 3 Click [**Tray/Output**] tab.
- 4 Select [**Paper Source**] from [**Tray1**] .



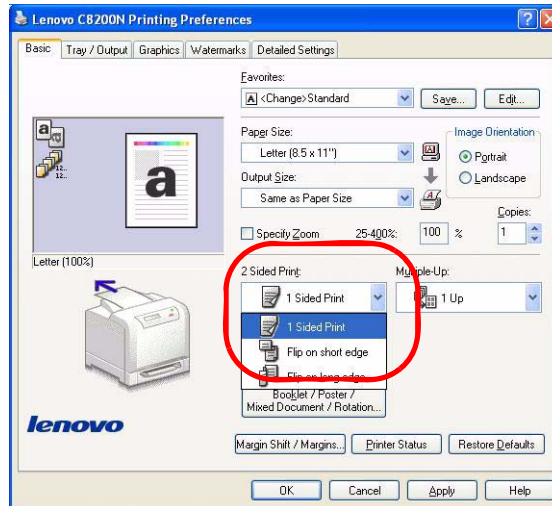
- 5 Select paper type from [**Paper Type**] .
- 6 Click [**Basic**] tab.

- 7 Select any size from [**Paper Size**] .



- 8 Select size of placed papers from [**Output Size**] .

- 9 Select [**Flip on long edge**] or [**Flip on short edge**] from [**2 Sided Print**] .



- 10 Click [**OK**] .

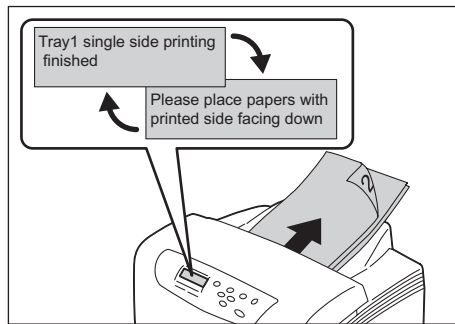
- 11 Click [**OK**] in [**Print**] dialog box to execute printing operation. Duplex printing method displayed on the interface. Use this interface to confirm next operation on printer.

Note

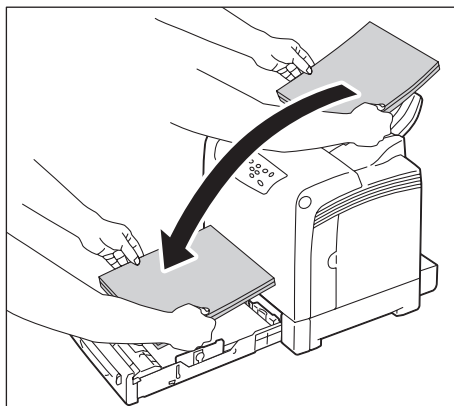
- If you close this interface, it will not be displayed again. Please do not close this interface before printing is finished.

Operations on printer

We take duplex printing for a 6-page manuscript to introduce the operating steps.

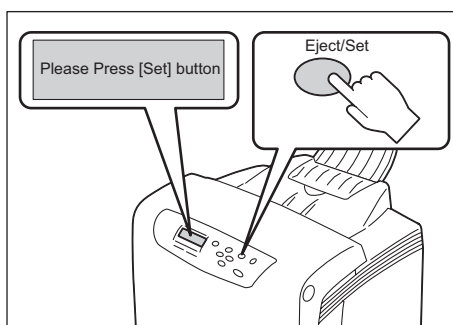


- 1 Print even numbered pages in sequence of page 6, page 4 and page 2. If all even numbered pages are printable, right side information will be displayed on control panel.



- 2 Take printed papers out from the tray.
Put the papers printed in step 1 in tray1 with printed side facing down (blank side facing up).
- 3 Put tray1 back to printer mainframe.

Important: Please take care not to clamp finger between paper tray and printer mainframe while inserting the tray.



- 4 The message will change to [**Push [Set]**].
Please press < **Eject/Set** > button.



4 *Paper*

4.1 Paper	4-2
4.2 Placing Papers	4-7



4.1

Paper

If improper papers were used, it may cause paper jam or poor printing quality, printing error, and may damage the printer. To use printer's performance effectively, we recommend you use the papers introduced in this chapter.

If you want to use other papers, please consult with our customer support center or retail shops.

Warning:

Do not use conductive papers (folded paper/carbon paper/paper with cloth on it). These papers may cause short circuit and fire.








Supported papers.

Paper Size and Paper Type

The size, type of papers that can be placed in printer and capacity of each paper tray are shown below.

Note

- g/m² indicating the weight per square meter of paper.




Paper Tray	Paper size	Paper type (g/m ²)	Maximum capacity
Manual Feeder	A4  、B5  、A5  、Letter, custom paper size (width: 76.2-215.9mm; length: 127-355.6mm)	Plain, recycle, bond, heavyweight1 (106-163g/m ²) , heavyweight2 (164-216g/m ²), coated1 (95-105g/m ²), coated2 (106-163g/m ²), coated3 (164-216g/m ²), label, envelope	1 paper
Tray1 (standard)	A4  , B5  , A5  , Letter  , custom paper size (width: 76.2-215.9mm; length: 127-355.6mm)	Plain, recycle, bond, heavyweight1 (106-163g/m ²) , heavyweight2 (164-216g/m ²), coated1 (95-105g/m ²), coated2 (106-163g/m ²), coated3 (164-216g/m ²), label, envelope	<p>250 papers (Gosd Flagship P paper), or less than 27.6mm</p> <p>Less than 10 envelopes</p> <p>Important</p> <ul style="list-style-type: none"> ● Put one coated paper once a time. <p>Place many coated papers would make them wet, resulting multiple feeding and printer error.</p>

Important: Please select correct paper size, paper type and tray in printer driver and control panel to print. Improper placement of papers and settings may cause paper jam. Water, rain or vapor may cause fading on printed pictures. Please contact with our customer support center or your dealer for details.

Papers that support duplex printing

By manual operation can execute duplex printing on the printer. The size and type of papers supporting duplex printing as shown below.

Please place papers in the tray for duplex printing. Papers in Manual Feeder cannot be used for duplex printing.

Size	Paper type
A4  , B5  , A5  , Letter custom paper size (width: 76.2-215.9mm; length: 127-355.6mm)	Plain, recycle, bond, heavyweight1 (106-163g/m ²)

Mixed paper size job cannot be duplexed.

Note

- First use the printer to print even numbered pages (back side). Then, take the printed papers out, place them with blank side facing up to print odd numbered pages (front side).

Supported paper specifications.

If you want to print on papers brought from common market (plain paper), please purchase papers with specifications listed below. To reach best printing quality, we recommend you use standard papers as introduced in next page.

Paper Tray	Specification (g/m ²)
Manual Feeder	60 ~ 216g/m ²
Paper Tray	60 ~ 216g/m ² (Duplex printing: 60 ~ 163g/m ²)

Not supported papers

Do not use following paper types. They may cause paper jam, printer error or damage the printer.

- Transparent film
- Ink-jet print paper, ink-jet print transparent film
- Papers that too thick or too thin
- Papers that already printed by other printer or copy machine
- Crumpled, folded or torn papers
- Slightly wet or humid papers
- Coarse or crimp papers
- Static electric adhesive papers
- Sticker or glued papers
- Special coated paper
- Color paper with surface treatment
- Papers which ink quality get worse as the temperature rise.
- Thermal paper
- Carbon paper
- Paper with staple, clip, belt or tape
- Paper with rough surface, such as pulp paper or fibre paper
- The text may get blurred when using acid papers. In this case, please change to neutral papers.
- Envelope with not smoothed surface or with ring
- Some label detached label papers
- Adhesive film
- Water based transfer paper
- Fabric transfer paper

Storage of papers

Even the paper itself is suitable, but its quality may getting poor in bad storage conditions, and may cause paper jam, crumple, poor printing quality and printer error. Please mind the following precautions for paper storage.

Paper storage environment

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

Paper storage precautions

- Repack unused papers, and store them in place far away from damp, such as cabinet.
- Place papers flatly. Do not place them vertically.
- Avoid crumple, crimp and fold in papers.
- Do not put papers under direct sunshine.

This section introduces how to place papers in Manual Feeder and paper tray1.

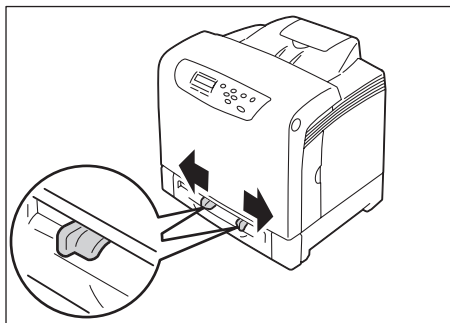
Place papers in the Manual Feeder

Important: Please put papers inside printer when the power is on.
Sometimes the printing may skew on the papers when using Manual Feeder. In this case, please use tray1.

Note

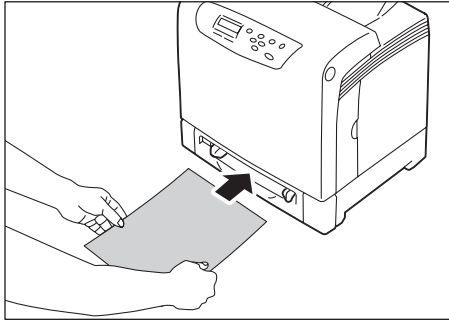
- When placing envelope in Manual Feeder, please take care for the orientation of the papers. Please Refer to Orientations when placing envelope and post card in Manual Feeder (Page 4-19), and Refer to Orientations when placing envelope in tray1 (Page 4-18).

- 1** Adjust paper guide rod of Manual Feeder to match with the paper size.



Important: Please move paper guide rod to match with paper size. If the paper guide rod too tight or too loose for the paper, it may cause paper jam.

- 2 Hold the paper with both hands and facing down, insert it into Manual Feeder, until paper front has reached the end. Wait at this status, until the paper feed in automatically. Let the paper go as it feed in automatically.



Important: Please insert the paper flatly at proper position of Manual Feeder. Improper feeding of papers may cause skewed printing image or paper jam. Please feed the paper one by one to print. Otherwise it may cause paper jam.

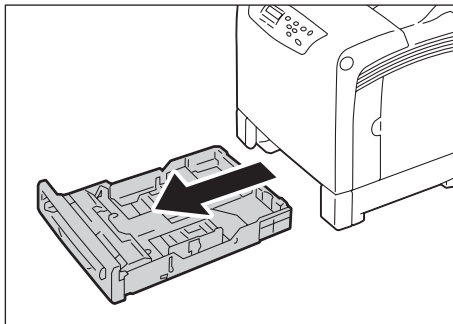
Note

- Cannot print by manual paper feed even the paper type in [Tray/Output] tab of printer driver is set to [Auto]. Please select [Manual Feeder] in [Paper Source] at [Tray/Output].
- If you are printing with Manual Feeder, please set paper size and paper type in printer driver. Please refer to online help of printer driver for details.

Place papers in tray1

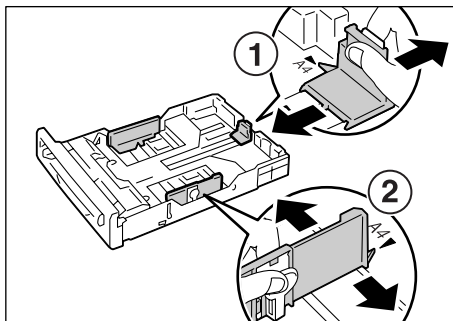
Important: Please do not take paper out from the tray or add paper to the tray during printing process. Otherwise it may cause paper jam.
Please put papers inside printer when the power is on.

- 1 Pull out tray1 slowly, and remove tray1 from printer.



- 2 Adjust paper guide rod to match with paper size.
If the paper size is smaller than A4, hold the guide clamp of length guide rod, and slide it to correspondent size position. Then hold guide clamp of width guide rod to slide it to correspondent size position.

Placing papers smaller than A4



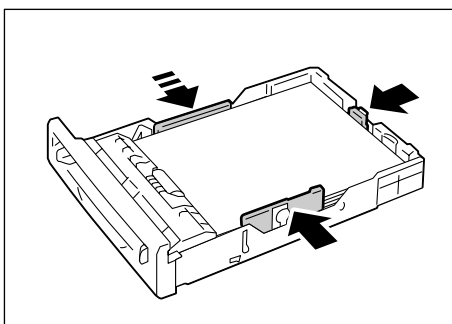
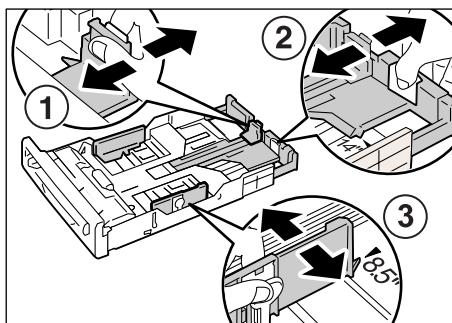
Note

- If you are placing papers bigger than A4, hold the guide clamp of length guide rod, slide it to edge of the tray, hold right rear part of the tray to extend it to position of that paper size.

Then hold guide clamp of width guide rod to slide it to correspondent size position.

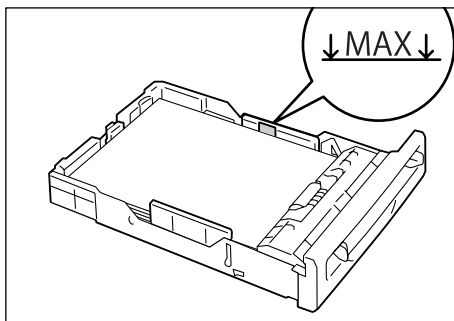
- 3** Place papers facing up into tray1.
Adjust paper size guide rods, until these rods slightly touched with paper edge.

Placing papers bigger than A4

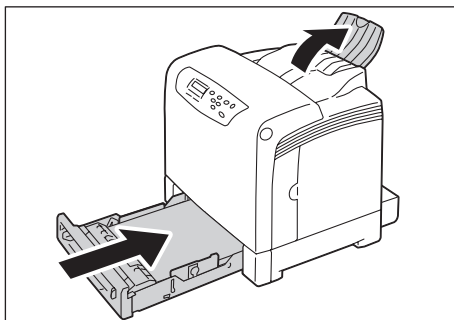


Important: If the paper guide rod too tight or too loose for the paper, it may cause paper jam.

Important: While placing the papers, please take care not exceed the Max scale line. Otherwise it may cause paper jam.



- 4** Insert tray1 into the printer completely.
If necessary, pull extension board of the tray out.



Important: Please take care not to clamp finger between paper tray and printer mainframe while inserting the tray.

Note

- If the tray is at prolonged status, the prolonged part will protrude from back of the printer.

- 5** Use control panel to change paper type and size for tray1.

Reference

- About steps for using control panel to change these settings, please Refer to Use control panel to change paper settings for tray1 (Page 4-12).

Use control panel to change paper settings for tray1

If papers are already placed in tray1, you must use control panel to set type and size of the paper.

If the paper size and type set in printer driver is different with those set in control panel during printing process, error message will be shown to prompt you place proper papers.

Note

- If placing paper in the tray, the control panel will display information, paper type and size can be set. You can set [Display Screen] on control panel to [Off] (initial value: [on]), change the setting to not display information each time.

Reference

- About how to use control panel to set paper size: Refer to Change paper size for the tray (Page 4-14).
- About how to use control panel to set paper type: Refer to Change paper type for the tray (Page 4-12).
- [Display Screen] : Refer to [Display Screen] (Page 5-44).

Change paper type for the tray

This section introduces how to use control panel to change paper type for tray1.

- 1** Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2** Press < ▼ > key, until [**Tray Settings**] is displayed.

Menu Tray Settings

- 3** Press < ► > or < **Eject/Set** > key to select. Display [**Tray 1**] .

Tray Settings
Tray 1

- 4** Press < ► > or < **Eject/Set** > key to select. Display [**Paper Type**] .

Tray 1
Paper Type

- 5** Press < ► > or < **Eject/Set** > key to select. Display current settings.

Paper Type
Plain Paper*

- 6** Press < ▼ > key, until the correct paper type is shown. (e.g. Heavyweight1)

Paper Type
Heavyweight1

- 7** Press < Set > key to confirm your choice.

Paper Type
Heavyweight1*

- 8** Press < Menu > key return to printing interface.

Change paper size for the tray

This section introduces how to use control panel to change paper size for tray1.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Tray Settings**] is displayed.

Menu Tray Settings

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Tray 1**] .

Tray Settings Tray 1

- 4 Press < ► > or < **Eject/Set** > key to select. Display [**Paper Type**] .

Tray 1 Paper Type

- 5 Press < ▼ > key, until [**Paper Size**] is displayed.

Tray 1 Paper Size

- 6 Press < ► > or < **Eject/Set** > key to select. Display current settings.

Paper Size A4 Portrait*

- 7 Press < ▼ > key, until the correct paper type and orientation are shown. We take [**8.5 × 11" P**] as the example to explain.

Paper Size 8.5 x 11"P

- 8 Press < **Set** > key to confirm your choice. Normally operation steps end here.
If you have selected [**Custom Size**], [**Length (Y)**] will be shown.

Custom Size Length (Y)

- 9 Press < ► > or < **Eject/Set** > key to select. Display current settings.

Length (Y) 148mm *

- 10 Use < ▲ > < ▼ > buttons to input portrait size, press < **Eject/Set** > button.
(e.g. 350mm)

Length (Y) 350mm *

- 11** After portrait size has been set, set landscape size next.
Press < ◀ > button to return to [**Length (Y)**] .

Custom Size Length (Y)

- 12** Press < ▼ > button. Display [**(X) Size**] .

Custom Size Width (X)

- 13** Press < ▶ > or < **Eject/Set** > key to select. Display current settings.

Width (X) 210mm *

- 14** Use < ▲ > < ▼ > buttons to input landscape size, press < **Eject/Set** > button. (e.g. 200mm)

Width (X) 200mm *

- 15** Press < **Menu** > key return to printing interface.

Precautions for placing envelope

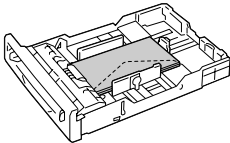
Printer can only print on address side of envelope, and cannot print on back side.
Please take care of paper orientation when placing envelope.

Important: ●To reach maximum printing quality, do not use envelopes with following conditions.

- Crumpled or twisted envelope.
 - Envelopes that stick together or worn out.
 - Envelope with open window, hole, punch, cut or protruding.
 - Envelope with ropes and metal sheets, or its folded part is made of metal.
 - Envelope with stamp.
 - Envelope that sealed with exposed bond.
 - Envelope with grossed margin or crumpled corners.
 - Envelope with tough, crumpled or coated surface.
-

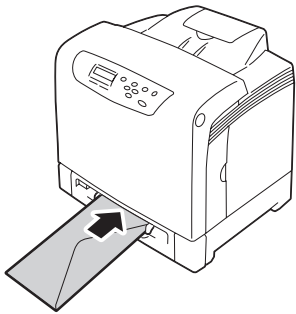
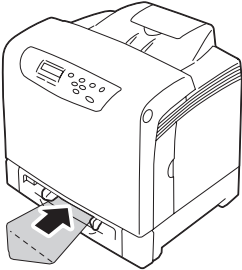
Orientations when placing envelope in tray1

Important: For envelope with sticker, please close the seal, make sure the seal is at right side or is facing to operator when placing it. However, when printing with envelope with sticker closed seal, the sticker sometimes may melt and adhere to envelope.

Envelope (portrait orientation)

With the address side facing up, close the seal, and make sure the seal is at right side.

Orientations when placing envelope and post card in Manual Feeder

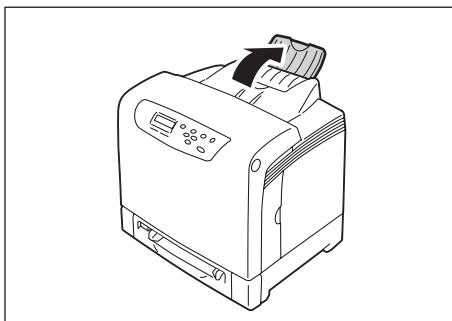
Important: For envelope with sticker (portrait orientation), please close the seal before placement, and make sure the seal is at right side. For envelope with sticker (landscape orientation), please put it in tray1. However, when printing with envelope with sticker closed seal, the sticker sometimes may melt and adhere to envelope.

Envelope (portrait orientation)	Envelope (landscape orientation)
	
With the address side facing down, close the seal, and make sure the seal is at right side.	With the address side facing down, close the seal, and make sure the seal is facing to the operator. Please close the seal completely before placing the paper.

Extract the prolonged board from paper tray

The prolonged board of output tray is designed to prevent printed paper slipped from the printer.

Please extract the prolonged board before printing manuscript.





5 Control Panel Menu

5.1 Menu Overview	5-2
5.2 Introduction of Menu Items	5-10

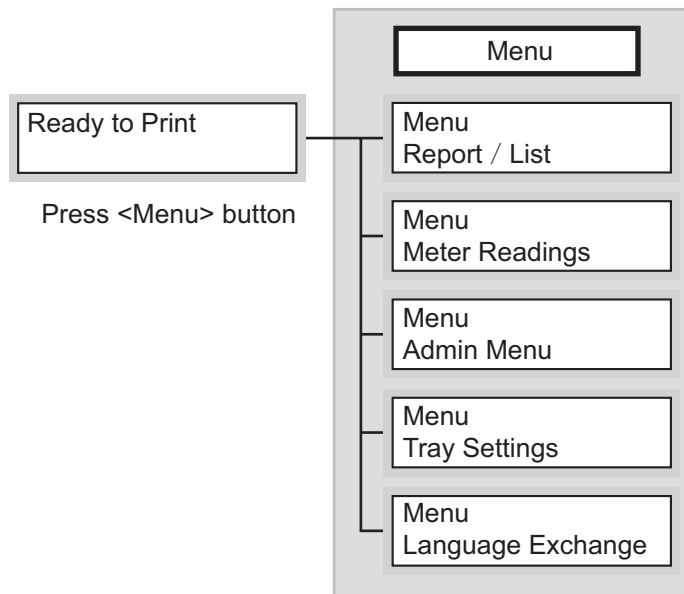


5.1

Menu Overview

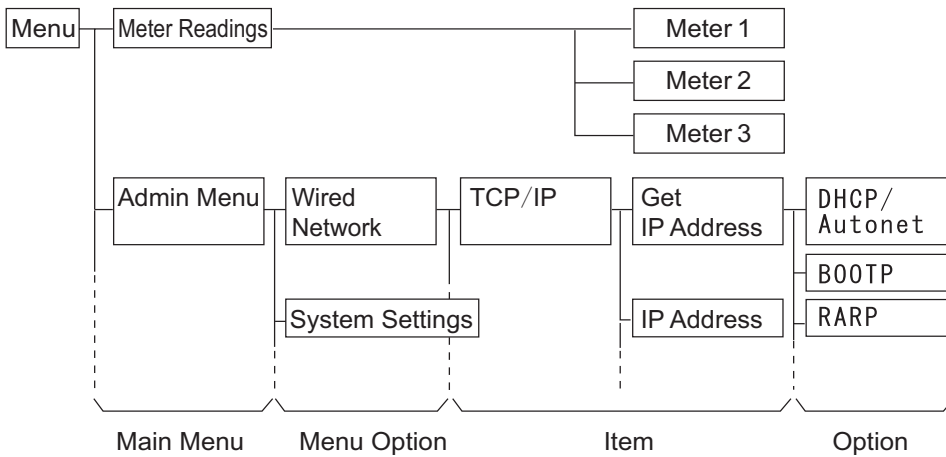
Menu Configuration

Menu consists of the following 5 parts:



And all menus consist of the following layers:

- Menu > Submenu > Item > Option



Overviews of menus are listed below:

Menu	Contents	Reference page for detailed description
Report/List	Used to print all kinds of reports and lists.	Refer to Print Report/List (Page 7-17)
Meter Readings [Meter Readings]	Used to display number of printed pages on control panel.	Refer to Check reading of counters (Page 7-19)
Admin Menu [Administrator Menu]	Wired Network Used to configure network settings for printer. Configure printer's interface type on the computer, and requirements for communication.	Refer to [Wired Network] (Page 5-10)
	[System Settings] Used for printer's operation settings, such as alarms and power saver mode.	Refer to [System Settings] (Page 5-20)
	[Maintenance Mode] This menu is used for setting different maintenance jobs.	Refer to [Adjust Paper Type] (Page 5-29)
	[Panel Settings] This menu is used to determine whether to use password to restrict menu operation.	Refer to [Panel Settings] (Page 5-41)
Tray Settings [Tray Settings]	This menu is used to set type and size of papers placed in the tray.	Refer to [Tray Settings] (Page 5-42)

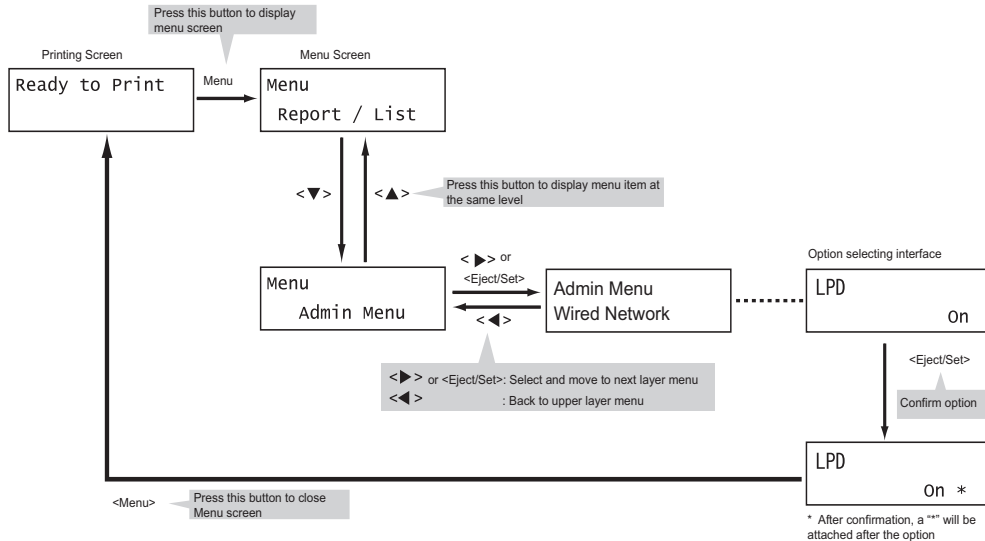
Reference

- Basic operations for setting menu items: Refer to Basic operating method (Page 5-5).

Change Settings

Basic operating method

If you want to display menu interface, or move menu up or down to make settings for printer, please use the following buttons on control panel.



Note

- After you have saved a value by press [**Eject/Set**] button, an asteriskmark "*" will be displayed beside that value. To change the value, please return to initial interface and repeat the above steps.
- If the menu interface has been left idle for 3 minutes, the display screen will turn back to printing interface. Any unfinished setting on the menu interface 3 minutes ago will be discarded.

Reset default value

To reset a default value, first display the value, and then press < ▲ > and < ▼ > button at the same time.

After the change has made, the value will be changed to default factory setting. To accept this value, please press < **Eject/Set** > button.

Setting example: change power saver mode/sleep mode setting

Change the time waited for quite sleep mode and enter low power consumption mode to 60 minutes.

Note

- This example is to set the latest time for printer to enter power saver mode.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed, switch menu.

Menu Admin Menu

Note

- If you have skipped an item to be selected, please press < ▲ > key to return to that item.

- 3 Press < ► > or < **Eject/Set** > key to select. Continue to the lower layer of menu structure.

Admin Menu Wired Network

Note

- If you have pressed < ► > key on unwanted item, please press < ◀ > key return to previous interface.
- To restart over, please press < Menu > key.

- 4** Press < ▼ > key, until [**System Settings**] is displayed.

Admin Menu
System Settings

- 5** Press < ► > button to select. Continue to the lower layer of menu structure.

System Settings
Low Power Timer

- 6** Press < ▼ > key, until [**Sleep Mode**] is displayed.

System Settings
Sleep Mode

- 7** Press < ► > or < **Eject/Set** > key to select.
If you have entered the lowest menu, current setting will be shown.

Sleep Mode
Enable *

- 8** Press < ▼ > key, until [**Disable**] is displayed.

Sleep Mode
Disable *

- 9** Press < **Eject/Set** > key to confirm the setting.
After the value of option is confirmed, its right side will be attached with *.

Sleep Mode Disable *

Sleep mode will not be entered in this way. Now change to switching time from low power mode.

- 10** Press < ◀ > button to return to upper layer menu (interface in step 6).

System Settings Sleep Mode

- 11** Press < ▲ > key, until [**Low Power Timer**] is displayed.

System Settings Low Power Timer

- 12** Press < ▶ > or < **Eject/Set** > key to select. Display current settings.

Low Power Timer 3Minutes*

- 13** Press < ▲ > < ▼ > key, until [**60 Minutes**] is displayed.

Low Power Timer 60 Minutes

Note_

- Hold < ▲ > < ▼ > button down can change value continuously.

- 14** Press < **Eject/Set** > key to confirm selection. The value is confirmed.

Low Power Timer 60 Minutes*

- 15** The setting is finished. Press < **Menu** > key return to printing interface.

Ready to Print

This sections introduces about configurable items on the menus.

Note

- For information about menu setting method, please refer to "Change Settings "(Page 5-5).
- You can also use WebAdmin Services to change some items that are same with those on control panel. Please see online help of WebAdmin Services for details.
- If you want to view the whole menu, please Refer to Processing paper jam during manual duplex printing (Page A-11).

[Report/List]

Print all kinds of reports and lists. For details about report/list and printing method, please Refer to Print Report/List (Page 7-17).

[Meter Readings] (confirm printing length)

Display number of printed paged on screen of control panel. The printing length may vary depending on factors such as color mode. For detailed information about printing length, please Refer to Check reading of counters (Page 7-19).

[Admin Menu]

[Admin Menu] consists of [Wired Network] , [System Settings] , [Maintenance Mode] and [Panel Settings] menus.

[Wired Network]

This menu is used to set interface type and communication requirements for printer that connected with computer.

[Tray Settings]

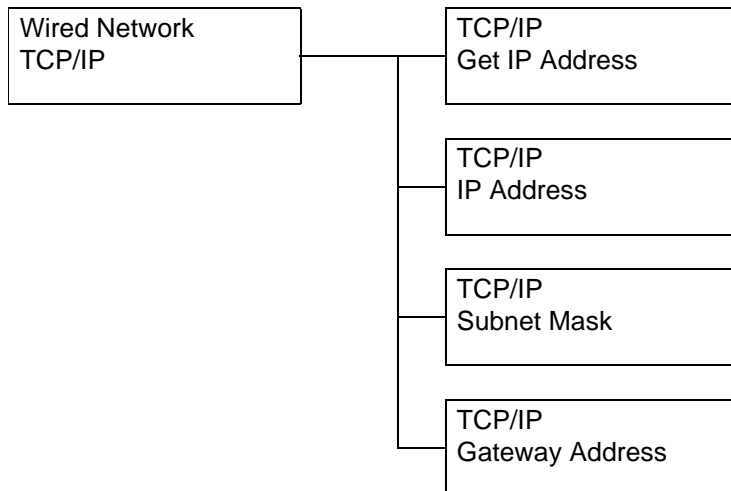
Setting of feeder.

[Ethernet]

Wired Network
Ethernet

Item	Description
Ethernet	<p>Set communication speed/connector type for Ethernet interface.</p> <ul style="list-style-type: none">● [Auto] (default value) Switch to 100BASE-TX Full, 100BASE-TX Half, 10BASE-T Full, 10BASE-T Half automatically.● [10BASE-T Half] Select this one if 10BASE-T Half is used.● [10BASE-T Full] Select this one if 10BASE-T Full is used.● [100BASE-TX Half] Select this one if 100BASE-TX Half is used.● [100BASE-TX Full] Select this one if 100BASE-TX Full is used. <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.

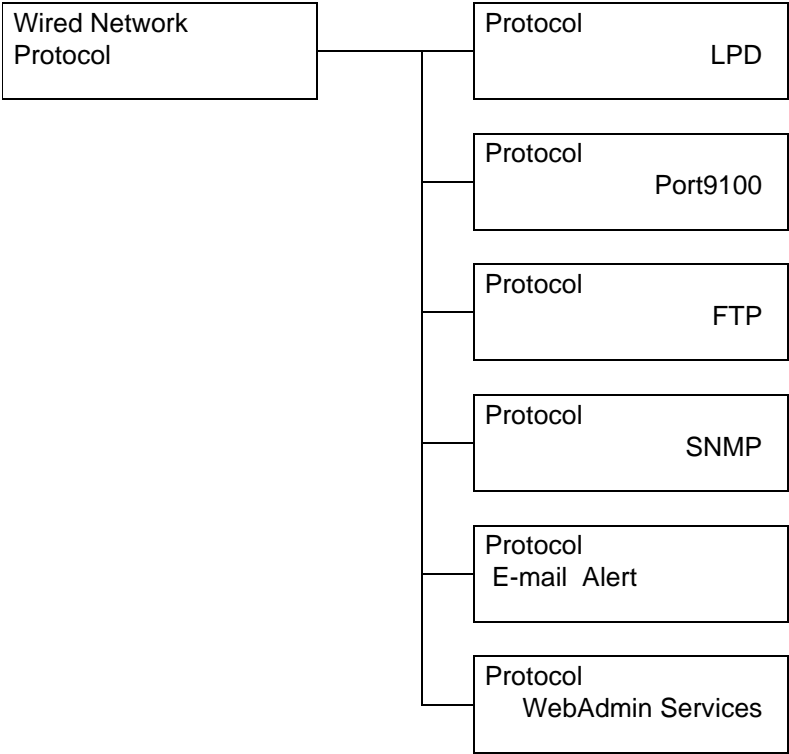
[TCP/IP]



Item	Description
Get IP Address (method to get IP address)	<p>Set method for getting necessary information required by TCP/IP (IP address, subnet mask, gateway address).</p> <ul style="list-style-type: none"> ● [DHCP/Autonet] (default value) Acquire IP address automatically from DHCP (Dynamic Host Configuration Protocol) which has AutoIP function. ● [BOOTP] Acquire IP address from BOOTP automatically. ● [RARP] Acquire IP address from RARP automatically. ● [DHCP] Acquire IP address from DHCP server automatically. ● [Panel] Manual setting by input IP address on control panel. About the IP address to be set, please confirm with network administrator. <p>Note</p> <ul style="list-style-type: none"> ● After the setting is changed, please reboot the printer.

Item	Description
IP address, subnet mask, gateway address	<p>This menu is used to confirm auto acquired address, or set IP address by manual.</p> <p>Input IP address in format of: xxx.xxx.xxx.xxx</p> <p>For IP address or gateway address, xxx could be any number between 0~255. However, the first xxx cannot be 127 or a number between 224~255. For subnet mask, every xxx must be one of the following numbers: 0, 128, 192, 224, 240, 248, 252, 254, and 255.</p> <p>Important</p> <ul style="list-style-type: none">● If you are managing IP address for whole network, the wrong IP address may affect the whole network. If you need to set address by manual, please contact with your network administrator. <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.

[Communication Protocol]



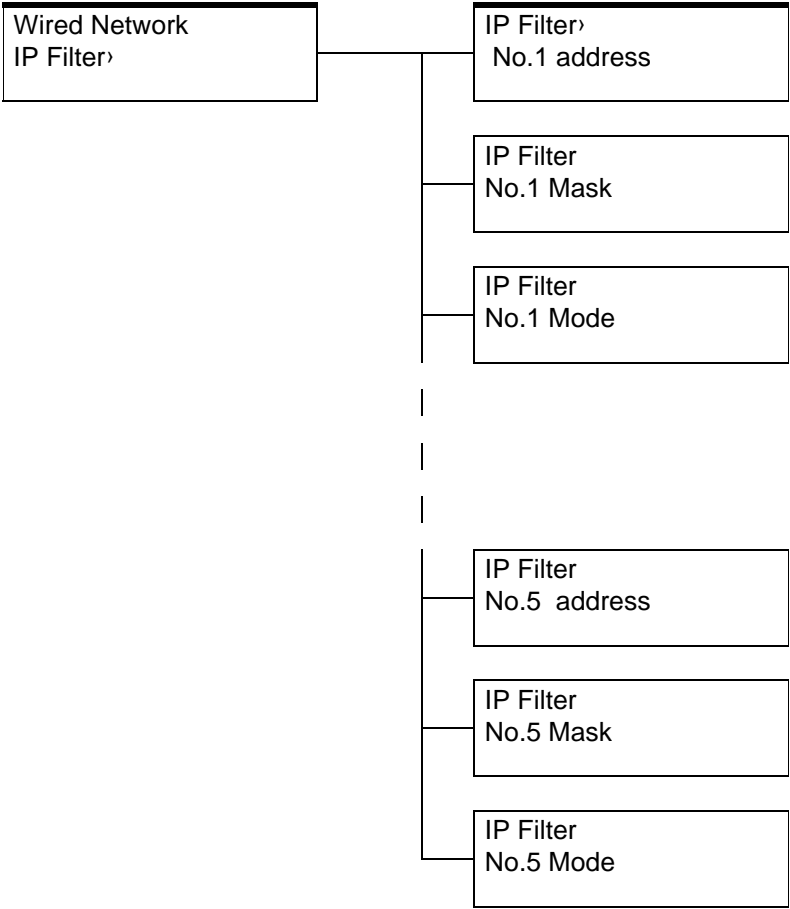
Item	Description
LPD	<p>Set whether to enable or stop LPD port status when connecting with power.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
Port9100	<p>Set whether to enable or stop Port9100 port status when connecting with power.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
FTP	<p>Set whether to enable or stop FTP port status when connecting with power.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
SNMP	<p>Set whether to enable or stop SNMP port status when connecting with power.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.

Item	Description
E-mail Alert	<p>Set whether to enable or stop E-mail Alert port status when connecting with power.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
WebAdmin Services	<p>Set whether to use Internet services.</p> <p>If the setting is [Enable], then you can use Internet Services to display printer status and printing job status on Web browser, or change printer settings.</p> <ul style="list-style-type: none">● [Enable] (default value)● [Disable] <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.

[IP Filter]

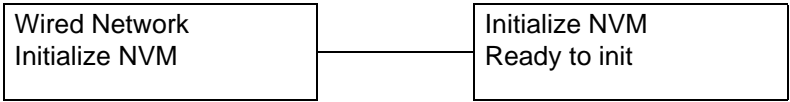
Note

- You can also use Internet Services to set acceptance restriction. In Internet Services, this function is called [IP Filter]. For example about IP Filter, please Refer to Use IP address to restrict data receival (Page 7-31).



Item	Description
No.1~5 address	<p>Input IP address for restrict data reception with values between 0~255. However, for the first xxx, 127 and 224~255 is invalid. (please see Page 5-44)</p> <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
No.1~5 Mask	<p>Input address mask with value of 0, 128, 192, 224, 240, 248, 252, 254 and 255. (please see Page 5-44)</p> <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.
No.1~5 Mode	<p>Set restriction for settled addresses.</p> <ul style="list-style-type: none">● [Off] (default value) No restriction.● [Accept] Accept printing from settled addresses.● [Reject] Not accept printing from settled addresses. <p>Note</p> <ul style="list-style-type: none">● After the setting is changed, please reboot the printer.

[Initialize NVM]



Item	Description
[Initialize NVM]	<p>Initialize network settings in NV memory. If you initialize NV memory, options of all items will be restored to default values.</p> <p>Note</p> <ul style="list-style-type: none"> ● NV memory is a permanent memory that can keep printer settings even the power was lost. ● After the setting is changed, please reboot the printer.

[System Settings]

Set basic operations for printer mainframe.

[Low Power Timer] (switch time for low power mode)

System Settings Low Power Timer

Item	Description
[Low Power Timer] (switch time for low power mode)	<p>Time for switching to low power mode, calculated in unit of minute. (please see Page 5-44)</p> <ul style="list-style-type: none">● [1 Minute] ~ [60 Minutes] (default value: [3 Minutes]) <p>Reference</p> <ul style="list-style-type: none">● Refer to Set/Exit Power Saving Mode (Page 2-11)● Refer to Setting example: change power saver mode/sleep mode setting (Page 5-6)

[Sleep Mode]

System Settings Sleep Mode

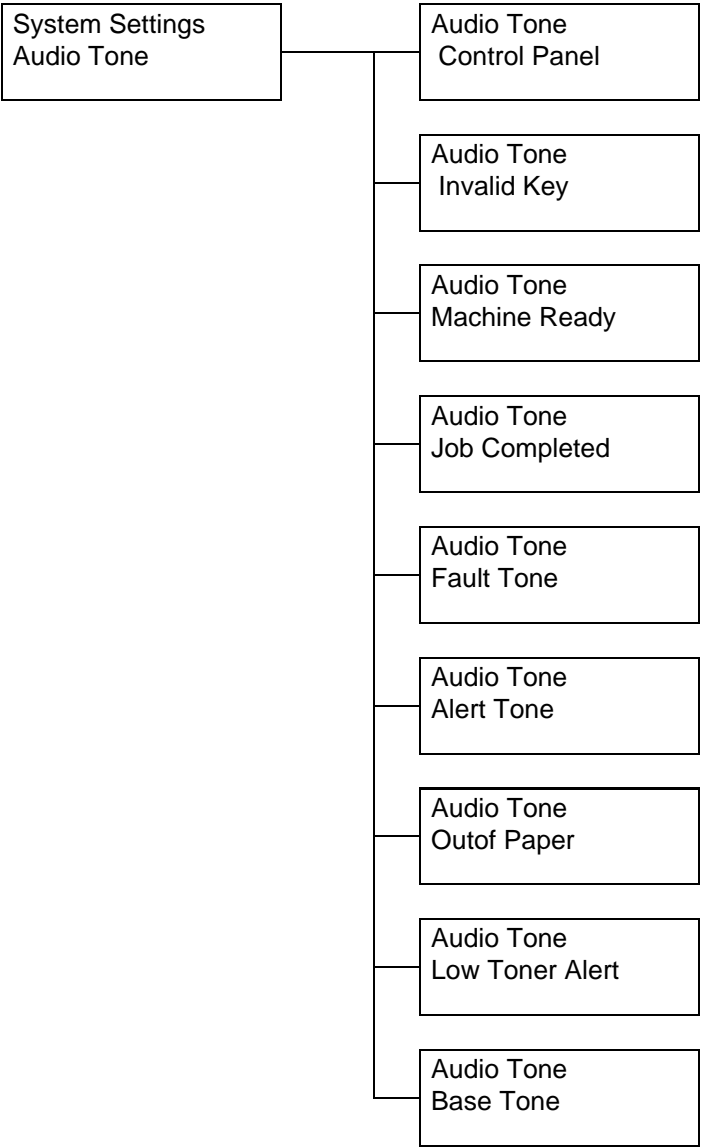
Item	Description
[Sleep Mode]	<p>Sleep mode can save more power than low power mode. Set whether to use this function.</p> <ul style="list-style-type: none"> ● [Enable] (default value) ● [Disable] <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Set/Exit Power Saving Mode (Page 2-11) ● Refer to Setting example: change power saver mode/sleep mode setting (Page 5-6)

[Sleep Mode Timer] (switch time for sleep mode)

System Settings
Sleep Mode Timer

Item	Description
[Sleep Mode Timer] (switch tiem for sleep mode)	<p>Time for switch to sleep mode after switched to low power mode, measured by unit of minute. (please see Page 5-44)</p> <ul style="list-style-type: none">● [1 Minute] ~ [60 Minutes] (default value: [2 Minutes]) <p>Note</p> <ul style="list-style-type: none">● This setting is invalid if [Sleep Mode] is set as [Disable]. <p>Reference</p> <ul style="list-style-type: none">● Refer to Set/Exit Power Saving Mode (Page 2-11)● Refer to Setting example: change power saver mode/sleep mode setting (Page 5-6)

[Audio Tone]



Item	Description
Control Panel (normal input tone)	Tone sounded when button on control panel pressed correctly. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
Invalid Key (tone for abnormal input)	Set the tone sounded when un-selectable button on control panel was pressed, or operating at error status. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
Machine Ready (tone for ready status)	Tone sounded when printer is ready to print after connected with power. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
JobCompleted (tone for normal complete)	Tone sounded when printing job is finished normally. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
FaultTone (tone for abnormal completion)	Tone sounded when printing job is finished abnormally. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
AlertTone (alert tone for abnormality)	Tone sounded when printing job at abnormal status that cause by paper jam. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]
Outof Paper (alert tone for paper run out)	Tone sounded when printing job at abnormal status that cause by paper out. Set whether to sound. <ul style="list-style-type: none">● [On] (default value)● [Off]

Item	Description
Low Toner Alert (alert tone for toner low)	Tone sounded when toner cartridge or drum cartridge need to be replaced. Set whether to sound. <ul style="list-style-type: none"> ● [On] (default value) ● [Off]
Base Tone (base tone)	Tone sounded to indicate entering cycle operation (can switch setting by press button repeatedly) by menu operations on control panel. Set whether to sound. <ul style="list-style-type: none"> ● [On] (default value) ● [Off]

[Job Time-Out]

System Settings Job Time-Out

Item	Description
Job Time-Out	During printing data receiving process, no future data received after certain times, then force to stop the printing job being received. Set the duration time measured by unit of second. The forced end printing job will be canceled and cannot to print. <ul style="list-style-type: none"> ● [Off] Cannot set time out time. ● [5 seconds] ~ [300 seconds] (default value: [30 seconds])

[Auto Job History]

System Settings Auto Job History

Item	Description
[Auto Job History] (auto printing job record)	Set whether to print report about finished printing job automatically ([Job History Report]). <ul style="list-style-type: none">● [Off] (default value) Do not auto print [Job History Report] .● [On] Print [Job History Report] automatically after processed 10 jobs.

[mm /inch] (mm/inch switch)

System Settings mm /inch

Item	Description
[mm /inch] (mm/inch switch)	<p>Set unit for display/input length on control panel.</p> <ul style="list-style-type: none"> ● [Millimeters (mm)] (default value) Value measured in unit of millimeter (mm). ● [Inches (")] Value measured in unit of inch (i).

[Substitute tray] (re-place paper)

System Settings Substitute tray

Item	Description
[Substitute tray] (re-place paper)	<p>Set whether to place paper again if no assigned papers in the selected tray.</p> <ul style="list-style-type: none"> ● [Off] (default value) Do not place other papers again, display information to add paper. ● [Larger Size] If the size of paper placed in the tray is bigger than the assigned paper size, do not display add paper information, wait to print. <p>Note</p> <ul style="list-style-type: none"> ● Prefer to use assignment made on computer if there is one. ● If size of envelope has been assigned, cannot to place paper again.

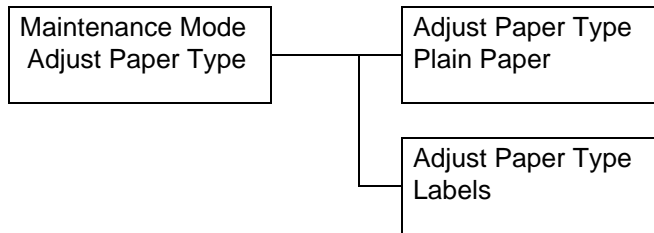
[Interrupt Print]

System Settings
Interrupt Print

Item	Description
[Interrupt Print]	Set whether to interrupt current printing job if the printer had received scanner data during printing process. <ul style="list-style-type: none">● [On] (default value)● [Off]

[Maintenance Mode]

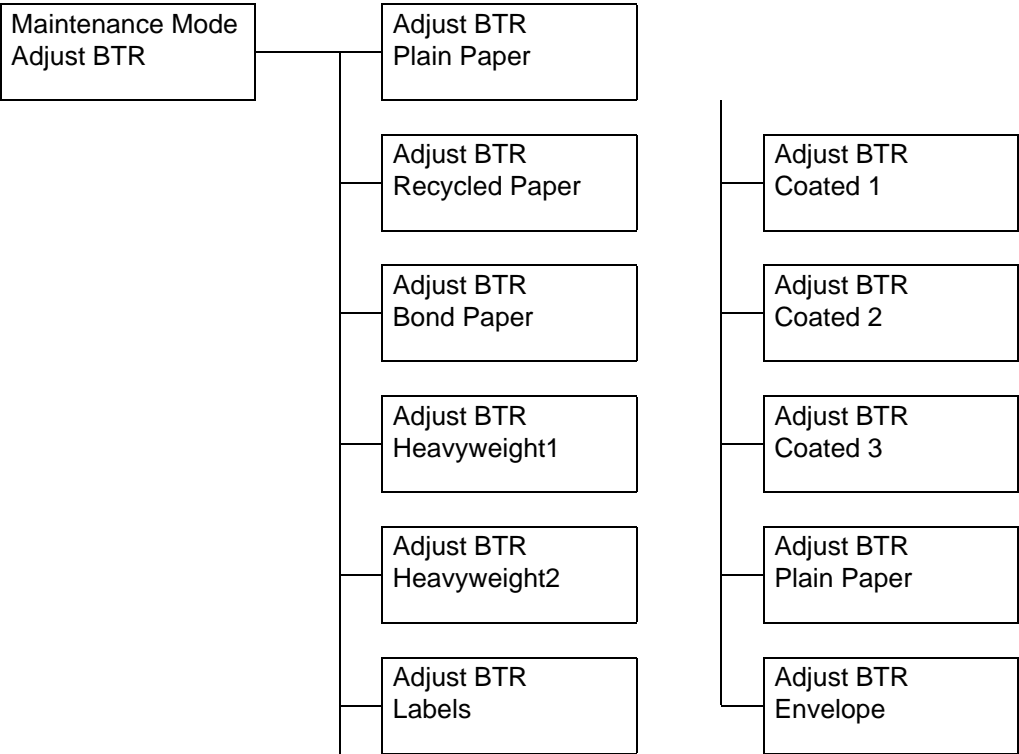
Adjust printer operation and settings.

[Adjust Paper Type]

Item	Description
Plain Paper	Set detailed paper type for plain paper <ul style="list-style-type: none">● Heavyweight (default valut)● lightweight
Labels	Set detailed paper type for label paper <ul style="list-style-type: none">● Heavyweight (default valut)● lightweight

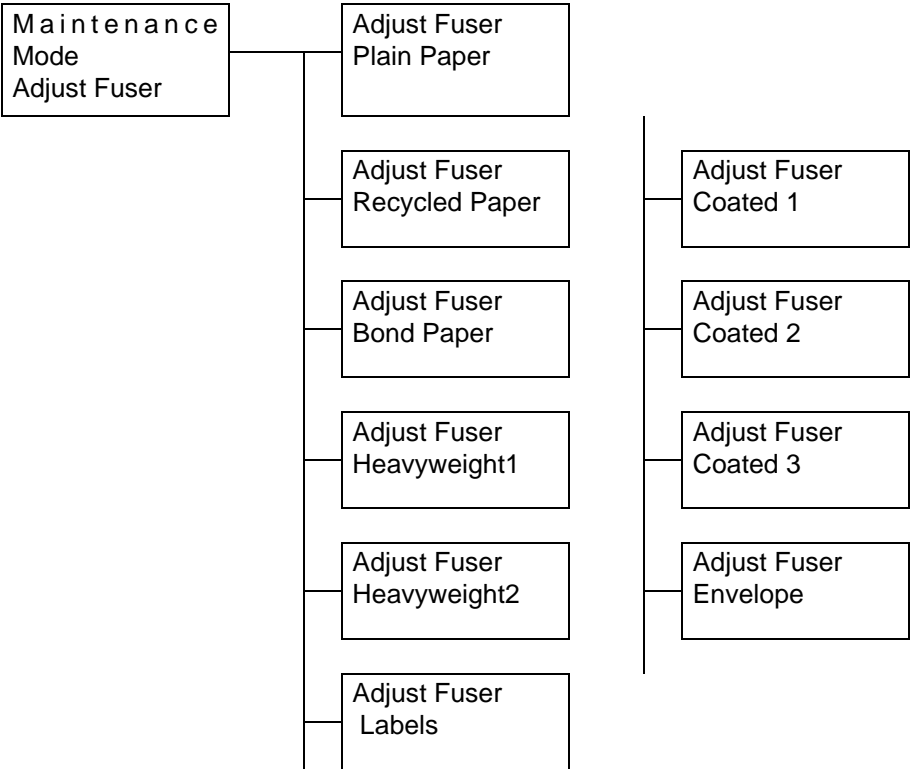
[Adjust BTR Voltage]

c



Item	Description
Plain paper, recycled paper, bond, heavyweight1, heavyweight2, label, coated paper1, coated paper2, coated paper3, plain paper, envelope	<p>Adjust BTR setting if there are frequent problems such as white dots on picture, splashing toners around picture, and bluish picture.</p> <ul style="list-style-type: none">● [-6] ~ [6] (default value: [0]) <p>Reference</p> <ul style="list-style-type: none">● Refer to Adjusting Transfer Voltage (Page 7-46)

[Adjust Fuser] (adjust fuser temperature)



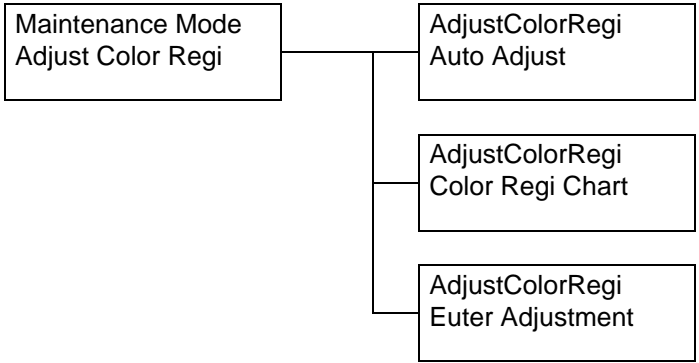
Item	Description
plain paper, recycled paper, bond, heavyweight1, heavyweight2, label, coated paper1, coated paper2, coated paper3, plain paper, envelope	<p>Adjust fuser temperature if there are frequent problems such as instant toner break off, fringe at skewed part in character and picture or lack of luster.</p> <ul style="list-style-type: none">● [-2] ~ [2] (default value: [0]) <p>Reference</p> <ul style="list-style-type: none">● Refer to Adjust Fuser Temperature (Page 7-49)

[Auto Adjust Regi]

Maintenance Mode
Auto Adjust Regi

Item	Description
[Auto Adjust Regi]	Set whether to adjust color regi automatically. ● [On] (default value) ● [Off]

[Adjust Color Regi]



Item	Description
[Auto Adjust]	Adjust color regi automatically if there is color skew in printing result.
[Adjust Regi Chart]	Print adjust regi chart.
[Euter Adjustment]	<p>Adjust color regi by manual if there is color skew in printing result. Read adjust values of cyan (C), magenta (M), yellow (Y) for [(X)] (landscape) and [(Y)] (portrait) during printed adjust regi process, and make settings here.</p> <ul style="list-style-type: none"> ● [-9] ~ [9] (default value: [0]) <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Adjust Color Regi (Page 7-40)

[Adjust Altitude] Adjust printer's altitude.

Maintenance Mode Adjust Altitude

Item	Description
[Adjust Altitude]	<p>Set altitude if the printer is installed at place with high altitude.</p> <ul style="list-style-type: none">● [0m] (default value)● [1000m]● [2,000m]● [3,000m] <p>Reference</p> <ul style="list-style-type: none">● Refer to Adjust Altitude (Page 7-52)

[Clean Developer]

Maintenance Mode Clean Developer

Item	Description
[Clean Developer]	<p>Rotate the developer for certain time to clean it. When printing result is poor (such as skewed picture or uneven central color tone), cleaning of developer may solve these problems.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Clean Developer (Page 7-59)

[Toner Refresh]

Maintenance Mode
Toner Refresh

Item	Description
[Toner Refresh]	<p>Toner refresh will consume toners in toner cartridge by force. Toner refresh function may solve problem of light color of printed picture.</p> <ul style="list-style-type: none">● Black (B)● Cyan (C)● Magenta (M)● Yellow (Y) <p>Important</p> <ul style="list-style-type: none">● Toner refresh function will consume large amount of toners. <p>Reference</p> <ul style="list-style-type: none">● Refer to Toner Refresh (Page 7-54)

[Drum Refresh]

Maintenance Mode
Drum Refresh

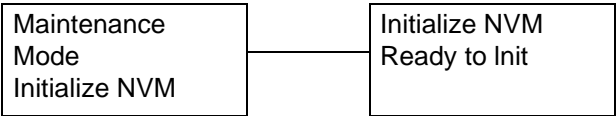
Item	Description
[Drum Refresh]	<p>Reduce exposure fatigue of drum cartridge which resulted from exposure caused by unclosed front cover.</p> <p>Reference</p> <p>● Refer to Drum Refresh (Page 7-57)</p>

[Print Meter]

Maintenance Mode
Print Meter

Item	Description
[Print Meter]	<p>Initialize the meter. After initialization, the reading will be zeroized.</p>

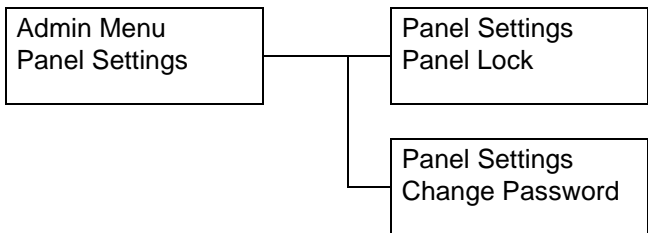
[Initialize NVM]



Item	Description
[Initialize NVM]	<p>Initialize network settings in NV memory. If you initialize NV memory, options of all items will be restored to default values.</p> <p>Note</p> <ul style="list-style-type: none">● NV memory is a permanent memory that can keep printer settings even the power was lost.● After the setting is changed, please reboot the printer.

[Panel Settings]

Set password for menu item setting operation to prevent unwanted setting for menu items.



Item	Description
[Panel Control]	<p>Set whether use password to restrict menu operation.</p> <ul style="list-style-type: none"> ● [Off] (default value) ● [On]
[Change Password]	<p>Password for set control panel restriction. Please input 4-digit new password. If you have input the same password twice, then the password will be changed. (default value: [0000])</p> <p>Note</p> <ul style="list-style-type: none"> ● You cannot change password unless [Panel Lock] is set to [On]. ● If you input inconsistent password in [Current Password] interface, the new password would not be set.

Note

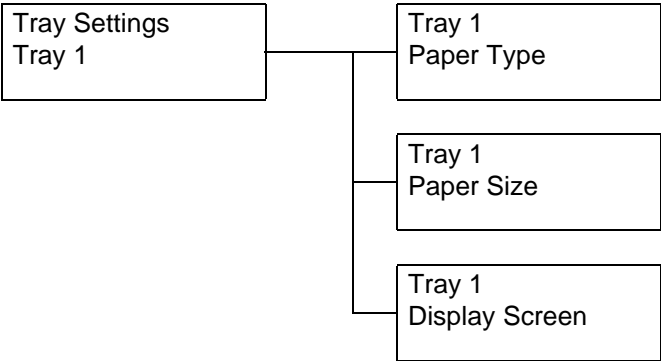
- If you have forgot the password, please shut down power, and then restore password to default value by performing the following steps.
 1. Press < Menu > to connect with power. Continue to press < Menu > button, until "Reset Password.Reset?" is displayed on control panel.
 2. Release < Menu > button, press < Eject/Set > button.
 3. Use < ◀ > to select [Yes] , press < Eject/Set > button.
Password restored to default value.

[Tray Settings]

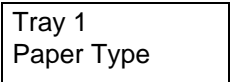
Set type and size of papers in the tray.

[Tray1]

Set type and size of papers in the tray1.



[Paper Type]



Item	Description
[PaperType]	Set type of papers in the tray1. ● [Plain Paper] (default value), [Recycled Paper], [Bond Paper], [Heavyweight1], [Heavyweight2], [Labels], [Coated 1], [Coated 2], [Coated 3], [Envelope]

[Paper Size]

Tray 1
Paper Size

Item	Description
[Paper Size]	<p>Set size of papers in the tray1.</p> <ul style="list-style-type: none">● [A4 Portrait] (default value), [A5 Portrait], [B5 Portrait], [8.5x11" P]● [Custom Size] Set any value for portrait size and landscape size.● After [Custom Size] is displayed, [Length (Y)] and [Width (X)] will be shown, please make settings here. <p>Note</p> <ul style="list-style-type: none">● About setting steps for non-standard size, please Refer to Change paper size for the tray (Page 4-14).

[Display Screen]

Tray 1
Display Screen

Item	Description
[Display Screen]	Set whether to display paper type and paper size input interface when papers in the tray. <ul style="list-style-type: none">● [On] (default value)● [Off]

6 ***Troubleshooting***

6.1 Remove Jammed Paper	6-3
6.2 Hardware Fault (Power Fault, Abnormal Noise etc)	6-16
6.3 Printing Problems	6-18
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6.5 Paper Feeding Problems	6-30
6.6 Major Error Message (by alphabetic order)	6-33
6.7 Network Related Problems	6-42

If error happens while you are using the printer and causing some problems, first, please make sure whether your problem is one of the errors listed below.

If your problem in one of these errors, please use the recommended solution for troubleshooting.

If your error not belongs to any of the errors below, or cannot be solved by using the recommended solution, please contact our customer support center or your dealer.

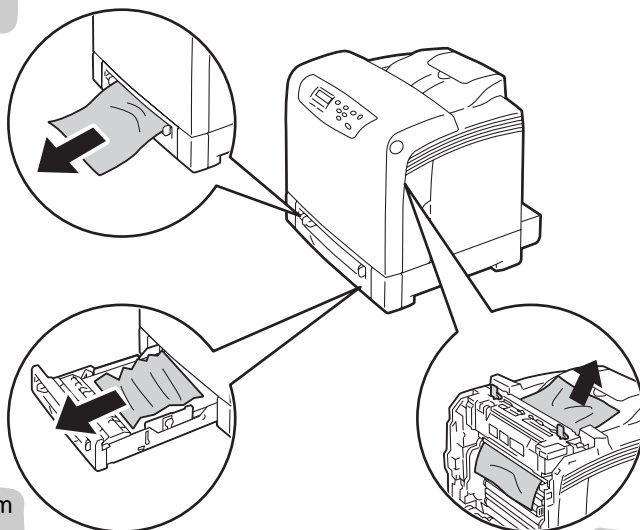
6.1

Remove Jammed Paper

Control panel will display error message when paper jammed within the printer.
Please follow instructions in the message, open the tray and cover, and confirm paper jam location.

Then remove the jammed paper according to steps provided for each paper jam zone.

Refer to Paper jam
in Manual Feeder
(Page 6-5)



Refer to Paper jam
in tray1 (Page 6-9)

Refer to Paper jam
in fuser (Page 6-13)

Note: Do not try to remove papers in the inner side of the product, especially those wrapped on the fuser or hot roller. Otherwise it may cause burn. Please shut down the power immediately, and contact with our customer support center or your dealer.

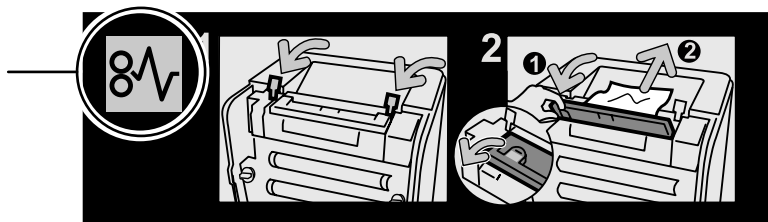
Important:

- The fuser is very hot. Do not touch area labeled as high temperature, and do not touch the nearby area as well. Otherwise it may cause burn.
 - Please take care not to clamp your finger while closing the cover after paper jam had removed.
 - To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more then 3 minutes, printing quality may degrade.
 - Make sure the paper tray has been inserted to the end. If paper tray has not been inserted completely, it may cause paper jam.
-

Note

- Labels with the following symbols indicate steps for removing paper jam. If paper had jammed, please refer to the label with the following symbols to remove paper jam.

Symbols
indicating paper
jam removal

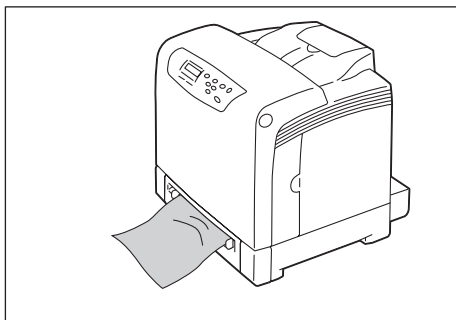


Paper jam in Manual Feeder

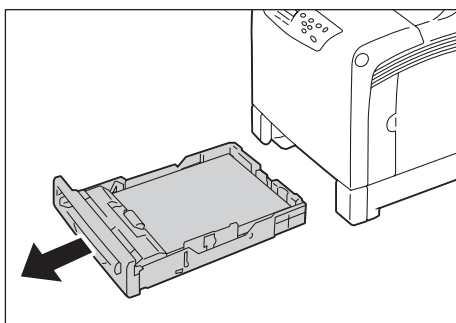
Important: Please follow the steps below to clear error message displayed on the control panel.

The error message would not be cleared unless you open and close the front cover again.

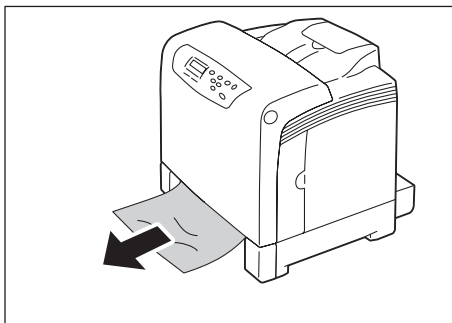
- 1 Remove paper jam in Manual Feeder. If there is no jammed paper, please continue step 2.



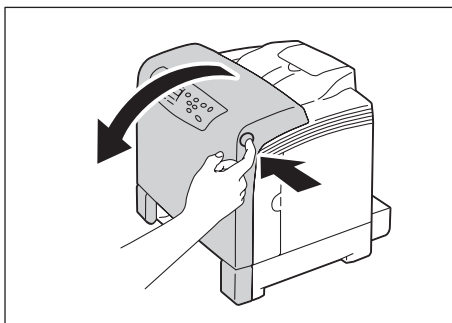
- 2 Pull out tray1 gently, and take it out from printer.



- 3** Removed jammed paper inside the printer.
If there is no jammed paper or the paper is difficult to take out, please continue step 4.

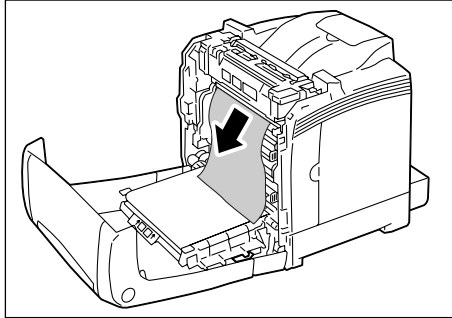


- 4** Press the front cover button at the right side of the printer to open the front cover.

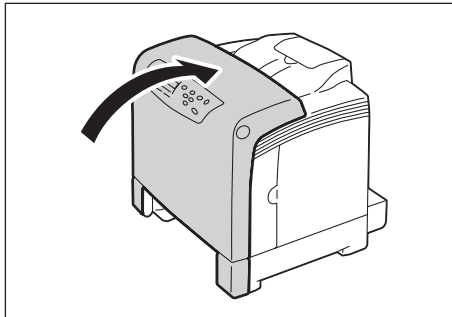


Important: To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more than 3 minutes, printing quality may degrade.

- 5** Remove paper jam when there is jammed paper inside the printer. Make sure there is not any paper shred remained inside printer.

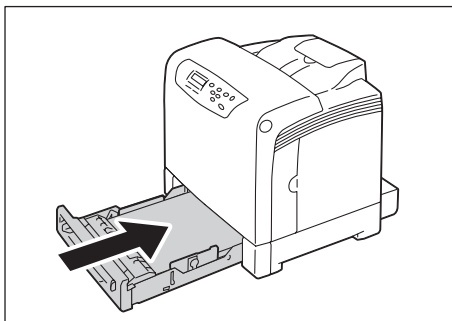


- 6** Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

- 7** Insert the tray into the printer completely.



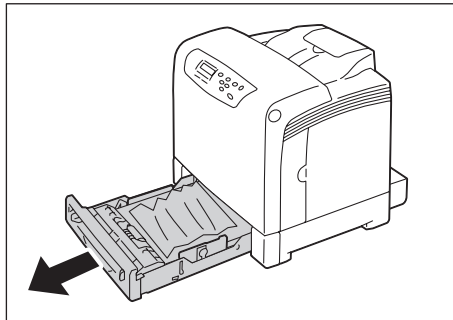
Important: While inserting the tray, please take care not let your fingers clamped between the tray and the printer.

Paper jam in tray1

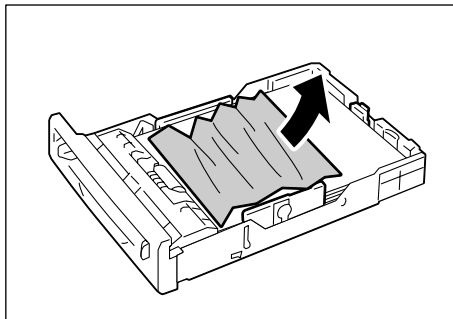
Important: Please follow the steps below to clear error message displayed on the control panel.

The error message would not be cleared unless you open and close the front cover again.

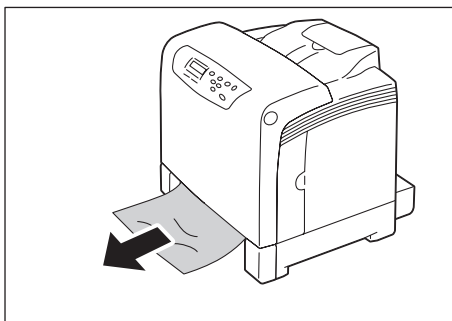
- 1 Pull out tray1 gently, and take it out from printer.



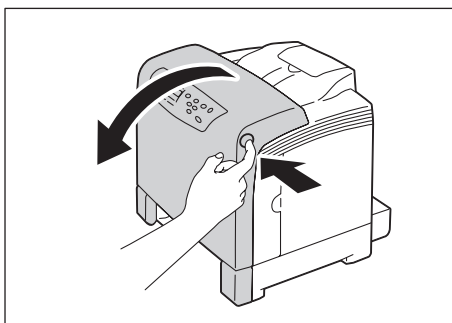
- 2 Remove papers that have jammed or crumpled.



- 3** If the paper is jammed inside printer, please take it out gently, and take care not to tear it up.
If the jammed paper is difficult to remove, please continue step 4.

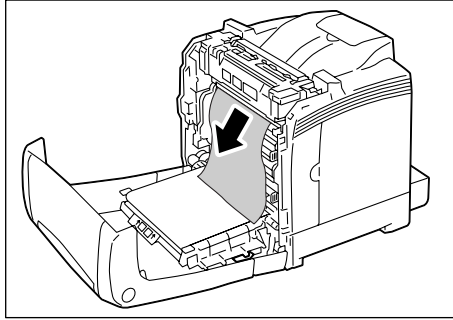


- 4** Press the front cover button at the right side of the printer to open the front cover.

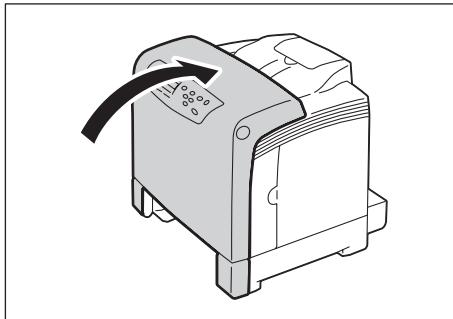


Important: To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more than 3 minutes, printing quality may degrade.

- 5** Remove paper jam when there is jammed paper inside the printer. Make sure there is not any paper shred remained inside printer.

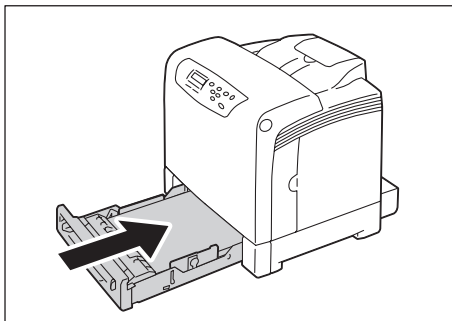


- 6** Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

- 7** Insert the tray into the printer completely.



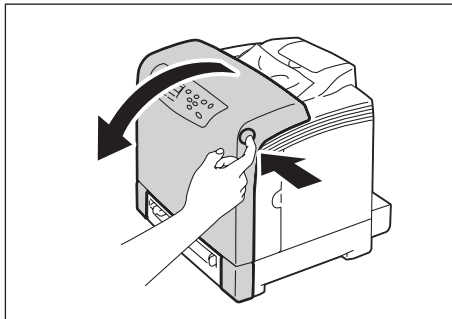
Important: While inserting the tray, please take care not let your fingers clamped between the tray and the printer.

Paper jam in fuser

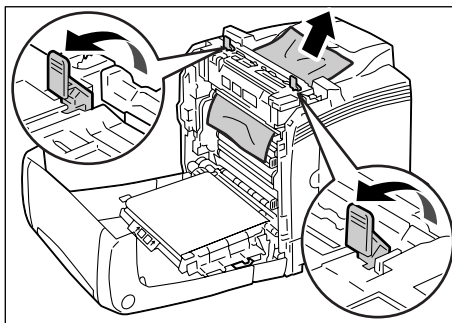
Important:

- The fuser is very hot. Do not touch area labeled as high temperature, and do not touch the nearby area as well. Otherwise it may cause burn.
- To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more than 3 minutes, printing quality may degrade.
- Make sure the surface of belt component (black membrane) is not touched or scratched. Any scratch, dust or smear on the surface membrane of the belt component will degrade printing quality.

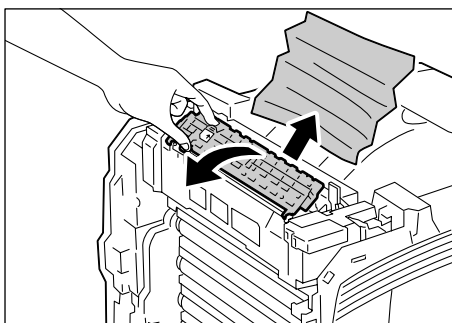
- 1 Press the front cover button at the right side of the printer to open the front cover.



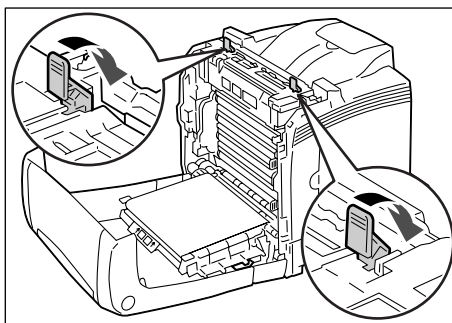
- 2** Lift the green rods at both sides of the fuser, and remove paper jam. If the jammed paper is difficult to remove, please continue step 3.



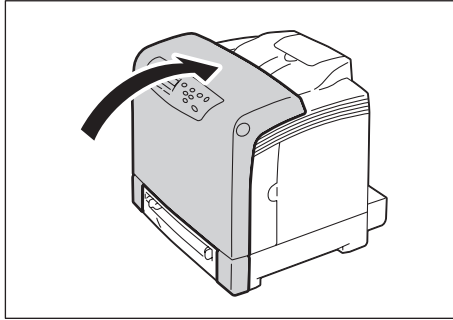
- 3** Put the green rods at both side of the fuser back to original position.



- 4** Put the green rods at both side of the fuser back to original position.



5 Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

6.2

Hardware Fault (Power Fault, Abnormal Noise etc)


Phenomenon of fault	Possible reason/solution
Printer not power on	Is the power of printer connected? Please turn power switch to < > , turn printer power on.
	Is the power plug has been firmly plugged in the power socket? Turn off printer power, and then insert the power line into printer connector or power socket firmly, and then turn on printer power again.
	Is the power socket providing the right voltage? Connect the printer to power socket that can provide correct rated voltage and rated current. Do not share the power socket with other equipments at the same time.
No display on control panel.	The printer may at power saver mode. Press < Power Saver > button on control panel to quite power saver mode. If the power saver mode cannot be quitted, please check whether the power line inserted in the power socket firmly, and then reboot printer. If the fault still exists, then it may caused by hardware problem. Please contact with our customer support center or your dealer.

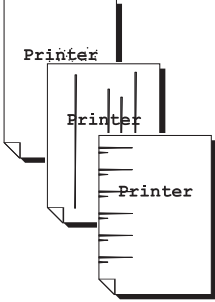
Phenomenon of fault	Possible reason/solution
Abnormal noise in printer.	Is the printer installed on a flat plane? Move the printer to a stable flat plane.
	Is the paper tray inserted to proper position? Insert the tray into the printer completely.
	Foreign object may exist in the printer. Shut down power, and clean possible foreign object in the printer. If the foreign object cannot be removed without disassemble the printer, please contact with our customer support center or your dealer.
Coagulation in printer.	Use the control panel to set the time interval for switching to sleep mode to more than 5 minutes, and then put the printer at non sleep status. After about 1 hour, the coagulated vapor will be volatilized by heat inside the printer, and the printing operation will back to normal. Reference ● Sleep mode: [SystemSettings] (Page 5-20).
Not switch to sleep mode.	Is the settings for sleep mode is set to [OFF]? Use control panel to set sleep mode to [ON].

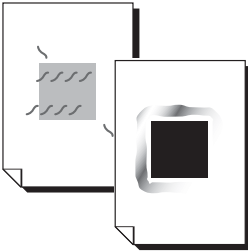





Phenomenon of fault	Possible reason/solution
< Error > indicator blinks.	There is error cannot be solved by user. Please write down the error message or error code displayed on control power, turn off power, pull out power plug from power socket, and then contact with our customer support center or your dealer.
< Error > indicator lights.	Is there error message being displayed on screen of control panel? Confirm error message displayed on control panel, and eliminate the problem according to the instruction.
Printing instruction has been issued, but < Ready to Print > indicator blinks or not lights.	Is the connecting cable firmly inserted? Please turn off printer power, and check whether connecting cable is firmly inserted.
	Is the printer at menu setting status? If menu inter face is being displayed, press < Menu > button to exit menu interface.
	<p>If the printer is connected to network, is the setting for communication protocol correct? Please check the ports to be used are enabled. And also use WebAdmin Services to confirm settings of communication protocol are correct.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to [Wired Network] (Page 5-10). ● Online help of WebAdmin Services.
	Are settings for printer operating environment correct? Please check operating environment of computer that installed with printer driver.

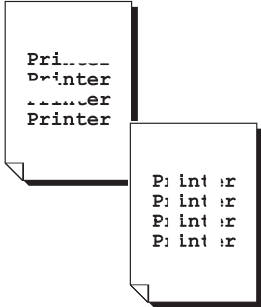
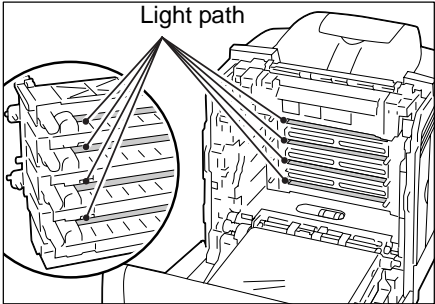
Phenomenon of fault	Possible reason/solution
< Ready to Print > indicator lights or blinks, but the printer not print.	<p>Data are stored in printing buffer. Press < Cancel Job > button to cancel the printing job.</p> <p>Important</p> <ul style="list-style-type: none"> ● Cancel the job will clear all printing data in the buffer.
Printer do not print.	<p>If the printer is connected to network, is the IP address setting correct? Besides, is the data receive restriction setting correct? Check the above settings, and reset if necessary.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Set IP address (Page 1-7). ● Refer to Use IP address to restrict data receive (Page 7-31).
Picture missing above the printed page. Printing not started from proper position on the page.	<p>Is the adjustment of paper guide rod correct? Slide the paper guide rod to proper position.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 4.2Placing Papers (Page 4-7)
	<p>Please check the page margin setting of printer driver is correct.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of printer driver

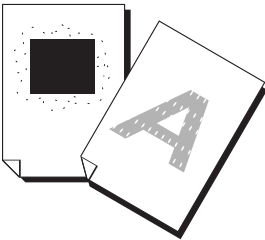

Phenomenon of fault	Possible reason/solution
<p>Output color too light. (fade or not clear)</p> 	Humid papers. Please replace them by new papers.
	<p>The paper is not suitable for this printer. Please place proper papers.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Supported papers. (Page 4-2).
	<p>Drum cartridge or fuser is damaged or worn out. Depends on usage condition, the drum cartridge or fuser may need to be replaced. Please contact with our customer support center or your dealer.</p>
	<p>Is toner saver function enabled? In [Detailed Settings] tab of printer driver, uncheck toner saver function.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of printer driver.
	<p>If you want to print with denser color, please use printer driver to select [Photo Settings] or [Color Balance] in [Graphics] tab, change these settings, and then reprint.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of printer driver.


Phenomenon of fault	Possible reason/solution
	<p>Please change to other paper type for printing. For example, if the setting is plain paper, and you want set [Thick Paper1] for bond paper and recycle paper, please change setting to [Thick Paper2], and then try to print.</p>
	<p>Did you forget to take the yellow tape off from drum cartridge? Please take all 8 yellow tapes off from drum cartridge.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing the Drum Cartridge (Page 7-10)
	<p>If you are printing multiple low resolution pictures, it may not use color toners, and resulting in excessive static electric on color toner band. Please execute toner refresh function under [Maintenance Mode] of control panel.</p> <p>Important</p> <ul style="list-style-type: none"> ● Toner refresh function will consume large amount of toners. <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.13Toner Refresh (Page 7-54)
<p>Smirch at equal intervals on printed page.</p> 	<p>The paper path may not clean. Print several papers to clean the smear in paper path.</p> <p>The internal part of printer may not clean. Clean inside of the printer. If dusts or smear exist inside the printer, please use clean dry cloth to wipe them out.</p> <p>Drum cartridge or fuser is damaged or worn out. Depends on usage condition, the drum cartridge or fuser may need to be replaced. Please contact with our customer support center or your dealer.</p>

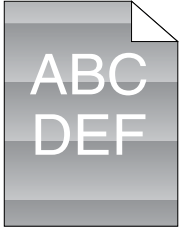
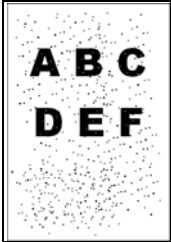

Phenomenon of fault	Possible reason/solution
<p>Strips appeared inside or outside of half color tone pictures. Shadows exist around solid pictures.</p> 	<p>The papers may stored long period after package opened (especially in environment with low humidity). Please replace them with new papers.</p> <p>The paper is not suitable for this printer. Please place proper papers.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Supported papers. (Page 4-2).
<p>Print ink get smear when touched with finger. The toners are not fused on paper. Paper smeared by toners.</p> 	<p>The paper type is not suitable for the selected paper tray. Please change to other paper type for printing. For example, if the setting is plain paper, and you want set [Thick Paper1] for bond paper and recycle paper, please change setting to [Thick Paper2], and then try to print.</p> <p>Humid papers. Please replace them with new papers.</p> <p>The paper is not suitable for this printer. Please place proper papers.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Supported papers. (Page 4-2). <p>Drum cartridge or fuser is damaged or worn out. Depends on usage condition, the drum cartridge or fuser may need to be replaced. Please contact with our customer support center or your dealer.</p>


Phenomenon of fault	Possible reason/solution
<p>The whole page is printed as black.</p> 	<p>Drum cartridge or fuser is damaged or worn out. Depends on usage condition, the drum cartridge or fuser may need to be replaced. Please contact with our customer support center or your dealer.</p>
	<p>HV power supply may have fault. Please contact with our customer support center or your dealer.</p>
<p>Printing output is blank.</p> 	<p>Multiple papers feed in at same time (repeated feeding). Please disperse the papers, and then put them into the tray again.</p>
	<p>Drum cartridge is damaged or worn out. Depends on usage condition, the drum cartridge may need to be replaced. Please contact with our customer support center or your dealer.</p>
	<p>HV power supply may have fault. Please contact with our customer support center or your dealer.</p>

Phenomenon of fault	Possible reason/solution
<p>Printing output is partially blank.</p> 	<p>Vertical white strips appear in printing output. The paper is not suitable for this printer. Please replace them with proper papers.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Supported papers. (Page 4-2). <p>Humid papers. Please place new papers.</p> <p>Toner cartridge not installed properly. Please install toner cartridge properly.</p> <p>The inside of printer may not clean, blocking light (laser) path. Take the drum cartridge out from the printer, and place it in dark place. Check the light path, check whether dusts adhered at position of the drum cartridge and inside the printer, as shown in the figure.</p>  <p>Coagulation may exist in printer. Use the control panel to set the time interval for switching to sleep mode to more than 5 minutes, and then put the printer at non sleep status. After about 1 hour, the coagulated vapor will be volatilized by heat inside the printer, and the printing operation will back to normal.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Sleep mode: Refer to [System Settings] (Page 5-20). <p>Drum cartridge or fuser is damaged or worn out. Depends on usage condition, the drum cartridge or fuser may need to be replaced. Please contact with our customer support center or your dealer.</p>

Phenomenon of fault	Possible reason/solution
<p>White spots appeared in printing output. Toner scattered around the picture. Bluish of picture.</p> 	<p>BTR ([AdjustBTR] setting on control panel) may not be properly set. Adjust BTR on control panel.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.10 Adjusting Transfer Voltage (Page 7-46) <p>Please change to other paper type for printing. For example, if the setting is plain paper, and you want set [Thick Paper1] for bond paper and recycle paper, please change setting to [Thick Paper2], and then try to print.</p>
<p>Texts are smeared.</p> 	<p>The paper is not suitable for this printer. Please replace them with proper papers.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Supported papers. (Page 4-2). <p>Humid papers. Please place new papers.</p> <p>Coagulation may exist in printer. Use the control panel to set the time interval for switching to sleep mode to more than 5 minutes, and then put the printer at non sleep status. After about 1 hour, the coagulated vapor will be volatilized by heat inside the printer, and the printing operation will back to normal.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Sleep mode: Refer to [System Settings] (Page 5-20).

Phenomenon of fault	Possible reason/solution
<p>The colors around text are not correct.</p> 	<p>Color regi not correct. Adjust color regi on control panel.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to [Adjust Color Regi] (Page 5-35). ● Refer to 7.9Adjust Color Regi (Page 7-40)
<p>The color of printed picture or text feeding fast. Double print at certain intervals</p>	<p>The temperature of fuser may not properly set. Adjust fuser temperature on control panel.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.11Adjust Fuser Temperature (Page 7-49)
Blurred image	<p>Drum cartridge is damaged or worn out. Depends on usage condition, the drum cartridge may need to be replaced. Please contact with our customer support center or your dealer.</p> <p>BTR ([AdjustBTR] setting on control panel)may not be properly set. Adjust transfer voltage on control panel.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.10Adjusting Transfer Voltage (Page 7-46)

Phenomenon of fault	Possible reason/solution
<p>Strips exist in the picture and the central color tone is uneven</p> 	<p>Sensitization of drum cartridge may get fatigued. Sensitization fatigue is caused exposure caused by unclosed front cover.</p> <p>Please executed drum cartridge refresh function under [Maintenance Mode] of control panel.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.14Drum Refresh (Page 7-57)
<p>Spots exist in the paper</p> 	<p>Whether the printer is installed at place with high altitude or high barometric.</p> <p>Use [AdjustAltitude] of [Maintenance Mode] menu in control panel to adjust altitude setting.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.12Adjust Altitude (Page 7-52)
<p>Helix printing marks</p> 	<p>When printing documents with high resolution images continuously, skewed picture and uneven central color tone may happen in output.</p> <p>Please use [Clean Developer] of [Maintenance mode] menu in control panel to clean the developer.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.15Clean Developer (Page 7-59)

Phenomenon of fault	Possible reason/solution
Skewed image. 	<p>The adjustment of paper guide rod is not correct. Adjust the paper guide rod to proper position. Sometimes inserting paper into Manual Feeder may cause printing skew. In this case, please use tray1.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 4.2Placing Papers (Page 4-7)
Blurred photo.	<p>Is the original picture also blur? Please adjust resolution of original picture, and then print again. If you cannot adjust resolution of original picture, please use [Acutance Adjustment] of [Other Settings] in [Detailed Settings] tab of printer driver to change resolution setting, and then reprint the picture.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of printer driver
Color document printed as monochromic.	<p>Check whether the [Output Color] in [Basic] tab of printer driver is set to [Mono] ? Change [Output Color] to [Color (Auto)] .</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of printer driver

Phenomenon of fault	Possible reason/solution
Poor printing quality envelope.	<p>The envelope in the printer not suitable for use. Please place proper medium.</p> <p>Reference</p> <ul style="list-style-type: none">● Refer to Supported papers. (Page 4-2).
	<p>Please check whether the paper type setting in printer driver properties or control panel is correct.</p> <p>Reference</p> <ul style="list-style-type: none">● Refer to [Tray Settings] (Page 5-42).● Online help of printer driver
	<p>Toner saver function is enabled in printer driver, or resolution setting of printer driver is low. Please change these settings by using [Detailed Settings] tab in printer driver.</p> <p>Reference</p> <ul style="list-style-type: none">● Online help of printer driver



Phenomenon of fault	Possible reason/solution
Paper is not fed correctly. Paper jammed. Feeding multiple papers at same time. Skewed paper feeding. Output paper crumpled.	Is the paper placed correctly? Please place papers again properly. Before putting label paper or post card and envelope, please scatter them in fan shape to make sure they are separated. If you are using coated paper, please put one paper at one time.
	Is the paper moist? Please place new papers.
	Is the paper suitable for the printer? Please replace them with proper papers. The paper may still be crumpled because of type and environment conditions. Reference ● Refer to Supported papers. (Page 4-2).
	Is the paper tray inserted to proper position? Insert the tray into the printer completely.
	Is the printer installed on a flat plane? Install printer on a stable flat plane.
	Is the adjustment of paper guide rod correct? Adjust the paper guide rod to normal position. Reference ● Refer to 4.2Placing Papers (Page 4-7)
	If you add paper above the existing papers in the tray, this error may happen. Disperse papers in the tray, and put them to the tray again. Add papers to the tray only when the papers in it are out.

Phenomenon of fault	Possible reason/solution
(continue) Paper is not fed correctly. Paper jammed. Feeding multiple papers at same time. Skewed paper feeding. Output paper crumpled.	Are you printing on post card that printed with pictures already? This printer cannot print on post card that preprinted with pictures.
	The feed roller may wear out or reached its life. Clean feed roller. If the problems still exists, you may need to replace the feed roller according to its usage condition. Please contact with our customer support center or your dealer.
	Reference <ul style="list-style-type: none"> ● Refer to Clean Feed Roller (Page 7-62).
	Sometimes inserting paper into Manual Feeder may cause printing skew. In this case, please use tray1.
	Is the paper crimped during manual duplex printing? Make the paper flat before putting it in the tray.
	Is the paper tray popped out from printer mainframe? Please insert the paper tray into the bottom of printer completely.
	If paper had jammed during duplex printing, please remove the jammed paper according to information displayed on control panel, close the cover, and then continue to print. After paper jam removed, the printer will continue to print the remaining job. After all pages are printed, please check for missing pages and reprint them.
	Reference <ul style="list-style-type: none"> ● Refer to A.4Processing paper jam during manual duplex printing (Page A-11)
	Important <ul style="list-style-type: none"> ● If you have set [Process Paper Jam During Manual Duplex Printing] in print driver to [Print] (default value: [Not print]), then paper jam removing steps will be different. For more information, please Refer to A.4Processing paper jam during manual duplex printing (Page A-11).

Phenomenon of fault	Possible reason/solution
Paper not fed from Manual Feeder.	<p>Is the [Paper Source] in [Tray/Output] tab of printer driver set to [Auto] ?</p> <p>Manual Feeder cannot be selected by the printer automatically. To use Manual Feeder for print, please select [Manual Feeder] .</p> <p>Reference</p> <ul style="list-style-type: none">● Online help of printer driver
Paper not fed from tray1.	<p>Is there any paper in Manual Feeder?</p> <p>If papers are placed in Manual Feeder, even if the printer driver had assigned tray1, paper will still be fed from Manual Feeder. To feed paper from tray1, please remove papers from Manual Feeder.</p>

6.6

Major Error Message (by alphabetic order)

This section introduces major error messages displayed on control panel.

Note

- If the message is unable to shown in one interface, you can switch between two or three interfaces on the screen to get the full message.

The ↑ ↓ in the following table indicate switching between interfaces on the screen.

Message	Phenomenon of error/possible reason/solution
Clean CTD Sensor CTD	<p>The sensor is not clean. Please clean CTD sensor.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Clean CTD Sensor (Page 7-66)
PDL Error Press SET	<p>Error occurred in printing data processing. Press < Eject/Set > button on control panel to cancel printing job. Please check for printing data.</p>
One Side Printed Load Paper in Tray1	<p>One side printing is finished when executing duplex print function. Please take out printed papers. Pull out tray1, with printed side face down (blank side up), place papers. After papers placed, [Press SET] message will be shown. Press < Eject/Set > key to continue printing.</p>
Close Side Cover	<p>Side cover is left open. Press side cover center firmly to close it.</p>

Message	Phenomenon of error/possible reason/solution
SysError *** — *** Press SET	System error. Write down the error code (***) on screen, and then contact with our customer support center or your dealer. Press < Eject/Set > button on control panel can clear the error.
SysError *** — *** RebootPrinter	System error. Turn off power, wait until no more display on the screen, and then turn on the power again. If same error code is displayed, write down the error code (***) on screen, and then contact with our customer support center or your dealer.
LimitReached Press SET	The number of printable pages has reached when authentication function is enabled. Press < Eject/Set > button on control panel to cancel printing job. Please confirm with device administrator about the setting of page limitation.
Feature Disabled Press SET	Cannot login as user with color printing privilege when authentication function is enabled. Press < Eject/Set > button on control panel to cancel printing job. Please confirm with device administrator about the setting for user login.
SET to print CANCEL to Abort	Press < Eject/Set > button to print. Press < Cancel Job > button to abort.
Clear Paper Jam at Manual Feeder Open & Close FrontCover	Paper jammed at Manual Feeder. Remove paper jam in Manual Feeder. Then press front cover button, open and then close front cover. Please open the front cover, even there is no paper in it. The error message would not be cleared unless you open and close the front cover again. Reference ● Refer to 6.1 Remove Jammed Paper (Page 6-3)

Message	Phenomenon of error/possible reason/solution
Load Manual Feed XXXXXXXX ↑ ↓ Load Manual Feed YYYYYYYY	<p>No paper in Manual Feeder. Or size of paper in Manual Feeder is different with specified size. Please put papers with size of (XXXXXXX) and type (YYYYYYY) in Manual Feeder.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Place papers in the Manual Feeder (Page 4-7).
Reload Manual Feed	<p>Papers not properly placed in Manual Feeder. Please take papers out and place them again. After papers placed, [Press SET] message will be shown. Press < Eject/Set > key to print. If < Eject/Set > button was not pressed within 5 second, the printing will be executed automatically.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Place papers in the Manual Feeder (Page 4-7).
Remove paper from Manual Feed	<p>Please remove papers from Manual Feeder.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Place papers in the Manual Feeder (Page 4-7).
Wrong SizePaper atManual Feeder ↑ ↓ Load Proper Size	<p>The size of paper in Manual Feeder is not match with the paper size in printer driver settings. Please place papers with the size in printer driver setting.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Place papers in the Manual Feeder (Page 4-7).

Message	Phenomenon of error/possible reason/solution
RebootPrinter *** — ***	Error in the printer. Turn off power, wait until no more display on the screen, and then turn on the power again. If same error code is displayed, write down the error code (*** - ***), and then contact with our customer support center or your dealer.
Replace Toner Cartridge XXXXXXXX	Need to replace black toner cartridge, and the consumables labeled at second row (XXXXXXX). Please replace new toner cartridge and consumables. Reference <ul style="list-style-type: none"> ● Refer to Replacing Toner Cartridge (Page 7-6). ● Refer to Consumables Type and Purchase (Page 7-2).
Toner Cartridge [X] Mismatch (X: Y, M, C or K)	X-color toner cartridge is not suitable for the printer. Please use proper toner cartridge and install it in the printer properly. Reference <ul style="list-style-type: none"> ● Refer to Replacing Toner Cartridge (Page 7-6). ● Refer to Consumables Type and Purchase (Page 7-2).
Replace Toner Cartridge [X] (X: Y, M, C or K)	Toners in X-color toner cartridge are used up, or waste cartridge is full. Please replace X-color toner cartridge. Reference <ul style="list-style-type: none"> ● Refer to Replacing Toner Cartridge (Page 7-6). ● Refer to Consumables Type and Purchase (Page 7-2).

Message	Phenomenon of error/possible reason/solution
Install Toner Cartridge [X] (X: Y, M, C or K)	<p>X-color toner cartridge not installed. Install X-color toner cartridge that suitable for the printer.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing Toner Cartridge (Page 7-6).
Remove & Shake Toner Cart [X] (X: Y, M, C or K)	<p>This message will be displayed when output color of X-color toner cartridge is quite light. Take X-color toner cartridge out from the printer, shake it 5-6 times to mix up toners. And then place X-color toner cartridge to the original position.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing Toner Cartridge (Page 7-6).
Drum Cartridge Mismatch	<p>The drum cartridge is not suitable for this printer. Please use suitable drum cartridge, and make sure to place it properly.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing the Drum Cartridge (Page 7-10). ● Refer to Consumables Type and Purchase (Page 7-2).
Remove Drum Cartridge Tapes	<p>The yellow tapes not taken out from drum cartridge. Take drum cartridge out from the printer, pull off yellow tapes from the side of drum cartridge, and then reinstall drum cartridge.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing the Drum Cartridge (Page 7-10).

Message	Phenomenon of error/possible reason/solution
Replace Drum Cartridge	<p>Need to replace the drum cartridge Please replace the drum cartridge</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing the Drum Cartridge (Page 7-10). ● Refer to Consumables Type and Purchase (Page 7-2).
Install Drum Cartridge	<p>Drum cartridge not installed. Please install suitable drum cartridge.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Replacing the Drum Cartridge (Page 7-10). ● Refer to Consumables Type and Purchase (Page 7-2).
Open Tray 1 Clear Jam ↑ ↓ Open & Close FrontCover	<p>Paper jam in tray1. Pull tray1 out to check the jammed area, and then remove the jammed paper. Then, open and close front cover. Please open the front cover, even there is no paper in it. The error message would not be cleared unless you open and close the front cover again.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 6.1Remove Jammed Paper (Page 6-3)
Load Tray 1 XXXXXXXX ↑ ↓ Load Tray 1 YYYYYYYY	<p>No paper in tray1, or size of paper in tray1 mismatch with the paper size assigned in printer driver. Place papers with size of (XXXXXXXX) in tray1. In the type of paper in tray1 mismatch with paper type assigned in printer driver, please put papers with type of (YYYYYYYY) in tray1.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Place papers in tray1 (Page 4-9).

Message	Phenomenon of error/possible reason/solution
Wrong Paper Size Reload Tray 1 ↑ ↓ Load Tray 1 XXXXXXXX	<p>The size of papers in tray1 mismatch with paper size configured in control panel. Please place papers with size of (XXXXXXXX) in tray1.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to [Tray Settings] (Page 5-42).
Open Tray1 Clear Jam ↑ ↓ Open & Close FrontCover	<p>Paper jam in printer. Pull tray1 out and find the jammed paper. If you have found the jammed paper, remove it from the printer. If the jammed paper cannot be removed, pull tray1 out to clear paper jam. Then, open and close front cover. Please open the front cover, even there is no paper in it. The error message would not be cleared unless you open and close the front cover again.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 6.1Remove Jammed Paper (Page 6-3)
Login Error Press SET	<p>Authentication has been enabled, but you are not authorized to use the printer. Or, you have inputted wrong user ID and password for printing . Please input correct user ID and password, and reprint. Please consult with system administrator to know whether you have access to the printer.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 7.8Authentication Functions (Page 7-34)
Ready to Print Clean CTD Sensor CTD	<p>The sensor is not clean. Please clean CTD sensor.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to Clean CTD Sensor (Page 7-66)

Message	Phenomenon of error/possible reason/solution
Ready to Print Drum Cartridge ↑ ↓ Ready to Print Reorder Drum Cartridge	The drum cartridge must be replaced immediately. Please prepare a new drum cartridge. Reference ● Refer to Consumables Type and Purchase (Page 7-2).
Ready to Print Spare Ready to Print Reorder Spare	The fuser must be replaced immediately. Please contact with our customer support center or your dealer. Reference ● Refer to A.2Lifetime of consumables and parts that should be replaced periodically (Page A-8)
Ready to Print Toner Cart [X] ↑ ↓ Ready to Print Reorder Toner Cartridge (X: Y, M, C or K)	Not enough toners in X-color toner cartridge. Prepare a new toner cartridge. Reference ● Refer to Consumables Type and Purchase (Page 7-2).
Ready (B Only) Replace Toner [X] (X: Y, M, C or K)	Toners in X-color toner cartridge used up. Please replace the displayed toner cartridge with a new one. The printer can still print in mono, even this message is displayed.

Message	Phenomenon of error/possible reason/solution
Invalid Job Press SET	<p>The printing job cannot be executed because it is invalid.</p> <p>Press < Eject/Set > button on control panel to cancel printing job.</p> <p>This message will be displayed if duplex printing instruction was issued while there are papers in Manual Feeder. Please remove papers in Manual Feeder, and print again.</p> <p>This message may also appear if paper size, paper size and duplex printing are not supported at same time.</p> <p>Please check size and type of papers in tray1 set by control panel, make correct settings, and then execute printing job.</p>
Oper FrontCover Replace Paper	<p>Paper jam inside printer.</p> <p>Press front cover button to open it, check the position of paper jam, and remove jammed paper.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Refer to 6.1Remove Jammed Paper (Page 6-3)
Close FrontCover	<p>Front cover is left open.</p> <p>Please close the front cover.</p>
Replace Belt Unit	<p>Belt unit must be replaced immediately.</p> <p>Please contact with our customer support center or your dealer.</p>
Outof Memory Press SET	<p>The printing job cannot be executed because there is not enough memory.</p> <p>Press < Eject/Set > button on control panel to cancel printing job.</p> <p>Reduce the number of pages in one printing job, and print again.</p>



6.7

Network Related Problems

This section introduces possible reason and solution for errors occurred while using WebAdmin Services and E-mail Alert. If error message or error code is displayed on control panel, please Refer to 6.6Major Error Message (by alphabetic order) (Page 6-33).

Errors in WebAdmin Services

Phenomenon of fault	Possible reason/solution
The length of text inputted in text box not exceeds the allowed bytes (two-byte character is counted as two bytes), but the whole text is not saved.	<p>The printer uses Unicode UTF-8 to save inputted characters.</p> <p>Normally UTF-8 needs 2-4 bytes to save a two-byte character.</p> <p>The text may exceed the maximum bytes allowed in the text box, therefore cannot be saved.</p>
Unable to access WebAdmin Services.	<p>Is the printer operating properly? Check whether the printer power is on.</p>
	<p>Is WebAdmin Services activated? Print [Printer Settings] list check whether WebAdmin Services is activated.</p>
	<p>Is the URL correct? Check the URL. If you still unable to access the service application, please input printer's IP address instead of URL.</p>
	<p>Is the port number of HTTP correct? Please recheck HTTP port number. If you have changed the port number, then to access Internet Services, you must input ":", and then input the port number after address. Example: http://printer1.example.com:80/</p>
	<p>Is your Web browser using proxy? WebAdmin Services cannot be accessed because of the proxy. Please try access the service application without proxy server.</p> <p>Reference</p> <ul style="list-style-type: none"> ● Online help of Web browser
The Please wait message displayed on Web browser not disappear.	<p>Please wait for indicated time.</p> <p>If nothing happens, please refresh Web browser.</p> <p>If the problem still not be solved, please check whether the printer is operating normally.</p>

Phenomenon of fault	Possible reason/solution
The latest message not show.	Click [Refresh] button.
<p>[Refresh] button doesn't work. The contents in right frame remained the same even different item has been selected in left frame. Service application is slow.</p>	<p>Is WebAdmin Services supporting your OS or Web browser? Refer to 1.3Use WebAdmin Servicess to set up printer (Page 1-13) to check whether the service application support your OS or Web browser.</p>
	<p>If proxy server is used in your browser, then windows refresh may not normal or slow. Access WebAdmin Services without proxy server.</p>
	<p>Old information may buffered in your Web browser. Clear all buffered information in your Web browser.</p>
Distortion of contents mapped on the interface.	Change window or font size setting in Web browser.
The new settings not applied after clicking [Apply] button.	<p>Is the input value correct? If the input value is invalid, error message will be displayed. Check whether the input value is correct.</p>
Cannot change settings, because system admin ID or password forgotten.	<p>The default user ID and password for WebAdmin Services administrator are:</p> <ul style="list-style-type: none"> ● User ID: Root ● Password: blank <p>If this ID and password doesn't work, please initialize the settings in [Wired Network] > [Initialize NVM] on control panel. However, this operation will restore all network related settings to default values. Before initialize these settings, we recommend you print [Printer Settings] list to record current settings.</p>

Phenomenon of fault	Possible reason/solution
Server application not accept the user ID or password.	After power turned on or last successful login, if you have failed login 4 times in a row, then you will be locked from the server application. It depends on the Web browser, login window will not disappear before you cancel login attempt. In this case, please reboot printer, and login again.
The language displayed in not the one you need.	Change display language setting of Web browser. Reference ● Online help of Web browser
	If there are multiple accesses to the printer from multiple Web browsers or E-mail Alert of different languages, then the character strings acquired from printer may different with language setting of Web browser. In this case, please refresh Web browser.
	This error may also occur when Web browser is using proxy server. Please try access the service application without proxy server. Reference ● Online help of Web browser
Connection with WebAdmin Services is denied, or Page not contains data message is displayed.	This may happen if you refresh Web browser too frequently. Please do not refresh Web browser too frequently. Please also not display [Status] interface or [Jobs] interface at multiple browsers.
Button is shown as URL link.	Some buttons in service application are using JavaScript. If JavaScript is not running or disabled, these buttons would not shown. In this case, these buttons will be displayed as URL links. We recommend you enable JavaScript in Web browser.

E-mail Alert Errors

Phenomenon of fault	Possible reason/solution
Unable to check printer status via email.	Check whether [Properties] > [Port Status] > [E-mail Alert] on WebAdmin Services is set to [Enabled] .
	Check the setting for [Properties] > [E-mail] on WebAdmin Services. <ul style="list-style-type: none"> ● Printer email address has been set? ● Are the others settings such as SMTP server and POP3 server correct? ● Is [Permitted E-mail Address] (email address for printer to receive emails) enabled? Is your address included in [Permitted E-mail Address]?
	Is the [Password for Read-Only Data] inputted in email correct (if one of the password has been set)? Make sure the assigned password is the same with Password for Read-Only Data set in [Properties] > [E-mail] of WebAdmin Services.
	Is the command for writing to email correct? Make sure the write command is correct. Reference <ul style="list-style-type: none"> ● Refer to 7.6Check Printer Status via Email (Page 7-25)
	Are SMTP serve and POP3 server operating normally? Please consult with network administrator to check whether servers are running properly.

Phenomenon of fault	Possible reason/solution
Printer does not alert error via email	Check whether [Properties] > [Port Status] > [E-mail Alert] on WebAdmin Services is set to [Enable] .
	Check the settings in [Properties] > [E-mail] and [E-mail Alert] on WebAdmin Services. <ul style="list-style-type: none">● Printer email address has been set?● Are the others settings such as SMTP server and POP3 server correct?● Is the setting for items or events to be notified correct?● Is the setting of recipient's email address correct?
	Is SMTP serve and POP3 server operating normally? Please consult with network administrator to check whether servers are running properly.

7 *Maintenance*

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7.1 Replace Consumables

Consumables Type and Purchase

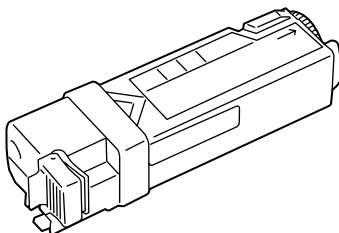
Below are consumables provided for the printer. To order these consumables, please contact the dealer who sold the printer to you.

Important: This printer is designed to work with branded consumables to provide most stable performance and printing quality. If the specification of the consumable you used is different with branded one, then the printer performance may not be optimum. Also, if the printer error is caused by non-branded consumables, you may have to pay the service fee. To get full support and use the printer with maximum performance, you recommend you to use branded consumables.

Important: The number of pages for one consumable can print depends on actual printing condition, the document and power on/off time gap. For more details, please Refer to A.2 Lifetime of consumables and parts that should be replaced periodically (Page A-8).

■ Toner Cartridge

There are 4 colors of printer toner cartridge, they are: Black (k), Cyan (c), Magenta (M) and Yellow (Y). For detailed information about when and how to replace the toner cartridge, please Refer to A.2 Lifetime of consumables and parts that should be replaced periodically (Page A-8) and Refer to Replacing Toner Cartridge (Page 7-6).



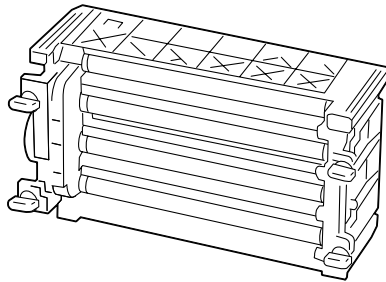
Product name	Product code	Printable pages (reference value)
Toner cartridge (K) provided with the printer		About 1,000 pages
Toner cartridge (C) provided with the printer		About 1,000 pages
Toner cartridge (M) provided with the printer		About 1,000 pages
Toner cartridge (Y) provided with the printer		About 1,000 pages
Toner cartridge (K)	LT2282B	About 2,000 pages
Toner cartridge (C)	LT2282C	About 2,000 pages
Toner cartridge (M)	LT2282M	About 2,000 pages
Toner cartridge (Y)	LT2282Y	About 2,000 pages

Note

- For first time use, toners must be added into the printer before printing. Therefore, using the toner cartridge provided with the printer can print about 800 pages.

■ Drum cartridge

Drum cartridge includes the drum and the developer. The static electric (charge) is first cast to the drum, and then form the potential printing image on the surface of the drum. For detailed information about when and how to replace the drum cartridge, please Refer to A.2 Lifetime of consumables and parts that should be replaced periodically (Page A-8) and Refer to Replacing the Drum Cartridge (Page 7-10).



Product name	Product code	Printable pages (reference value)
Drum cartridge	LD2282	About 20,000 pages

Warning

- Please use broom or wet cloth dipped with soap water to clean the toner scattered on the floor. Do not use Hoover to clean the scattered toner. The electric spark within the Hoover may cause flame or even explosion. If there are lots of scattered toners, please contact with our customer support center or your local dealer.
 - Do not put toner cartridge into flame. The toner remained in the cartridge may be inflamed, causing burn or explosion. For toner cartridge that you no longer use, please contact our customer support center or your local dealer to dispose it.
-

Caution:

- Do not heat the drum cartridge or scratch its surface, it may cause health problem.
 - Direct sun shine;
 - Drum cartridge and toner cartridge should be place far from children's reach. If case of a child eats the toner by accident, please consult to the doctor immediately, and take necessary action under the doctor's guidance.
 - While replacing the drum cartridge and toner cartridge, please take care to avoid toner scattering. If there are scattered toners, please do not let them contact with cloth, skin, eye and mouth, and do not inhale it.
 - Please observe the following precautions, and take emergent measures.
 - If skin or cloth has contacted with toner, please use soap and water to wash up.
 - If toner granule has entered the eye, use large amount of water to wash it for at least 15 minutes, until the pain is smoothed. If necessary, please consult with the doctor.
 - If toner particles were inhaled, please go to a place with fresh air, and rinse with large amount of water.
 - If toner has been eaten by accident, please spit it out and rinse with water, drink large amount of water, and consult with the doctor immediately, and take necessary actions under guidance of the doctor.
-

Consumable Disposal

- Please do not put the box that contain consumables in vertical position.
- Do not open the package of consumables/maintaining parts, until it to be used.
 - Avoid store consumables parts in the following places:
 - High temperature and humid place;
 - Near heat source;
 - Dusty;
- Please read and observe precautions on the package box and container before using consumables.
- We recommend you keep some backup consumables.

Recycling of used consumables

Used toner cartridge and drum cartridge can be recycled to protect environment and use resources effectively. Used toner cartridge and drum cartridge must be handled properly.

Replacing Toner Cartridge

There are 4 colors of printer toner cartridge, they are: Black (k), Cyan (c), Magenta (M) and Yellow (Y).

When the lifetime of toner cartridge is reached or nearly reached, the following information will be displayed on printer is control panel.

Information	Actions
Ready to Print Toner Cart [X*1] ↑ ↓ Ready to Print Reorder Spare	No need to replace the toner cartridge right away, but you still need to prepare a new toner cartridge. After the information has been displayed, the toner cartridge can still print about 250 pages*2, and a big capacity cartridge can print about 500 pages*2 normally. Please prepare a backup toner cartridge.
Replace Toner Cartridge [X*1]	The printer is halt and cannot to print. Please replace the X-colored toner cartridge as shown in the information.

*1: X indicates one of the Y, M, C or K colors. They are indicating color of the toner cartridge, K represents black, C represents cyan, M represents magenta and Y represents yellow.

*2 The number of printable pages may be very different depending on factors such as printing condition, contents of the document and frequency of printer power supply.

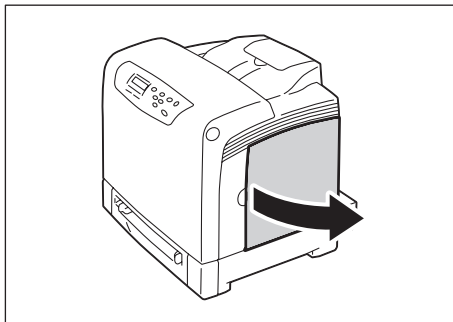
Important:

- Please make sure the power is on while replacing toner cartridge. Shun down the power will delete printing data in the printer and accumulated information in memory.
 - Before put used toner cartridge on the floor or table, please put some paper under it to collect any scattered toners.
 - Please do not reuse the old toner cartridge removed from the printer, otherwise it may degrade printing quality or smear toners.
 - Please do not shake or knock the used toner cartridge, otherwise the remained toners may splash out.
 - We recommend that the toners in the cartridge should be used up within 1 year since its unpack.
 - Please do not open the outlet slide cover of the removed toner cartridge. If you open the slide cover, toners may splash out.
-

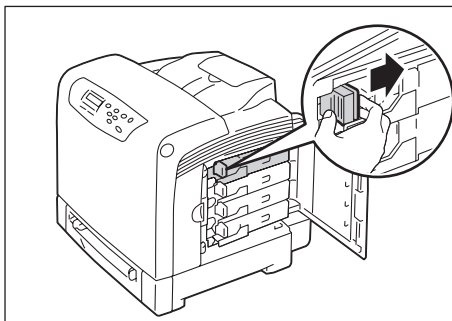
Replacing Steps

Please following the steps described below to replace toner cartridge.

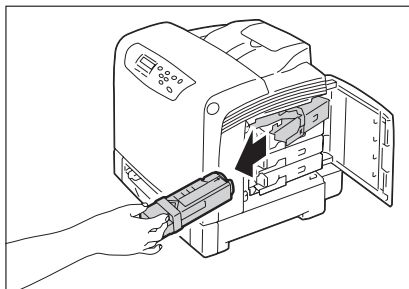
- 1** Open the side cover.



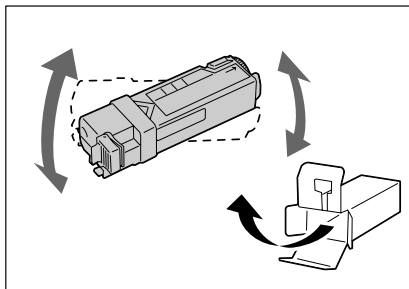
- 2** Push the orange bolt of the toner cartridge to pop it out.



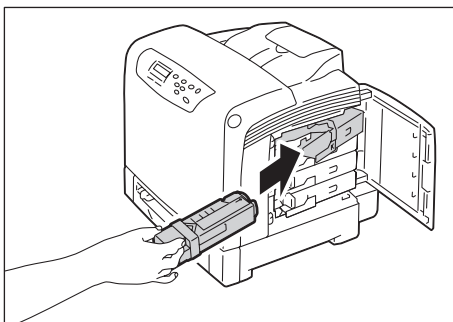
- 3** Draw the toner cartridge bracket out to maximum extend, and then draw the toner cartridge out.



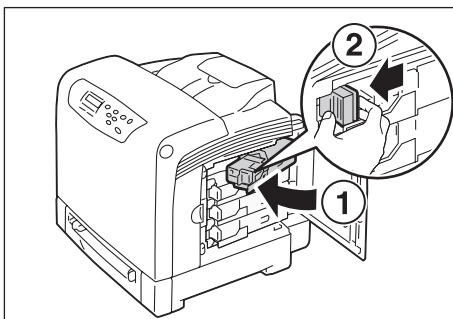
- 4** Take the new toner cartridge out of the package box. Please make the color of new toner cartridge is the same with the color of tab on the toner cartridge handle. Shake the cartridge 5 to 6 times to mix the toners up.



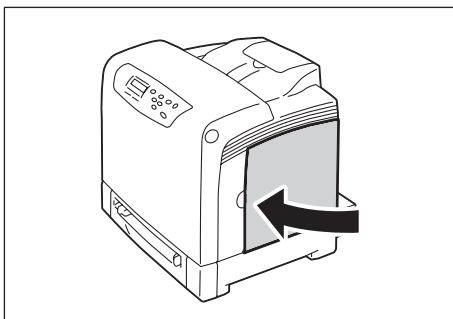
- 5** Insert the toner cartridge into correspondent bracket.



- 6** Put the toner cartridge bracket back to original position, and then pull the cartridge bolt at front direction of the printer.



- 7** Close the side cover.



Replacing the Drum Cartridge

When the lifetime of drum cartridge is reached or nearly reached, the following information will be displayed on printer's control panel.

Information	Actions
Ready to Print Drum Cartridge ↑ ↓ Ready to Print Reorder Spare	No need to replace the drum cartridge right away, but you still need to prepare a new drum cartridge. After the information has been displayed, the drum cartridge can still print about 2000 pages*1. Please prepare a backup drum cartridge.
Replace Drum Cartridge	The printer is halt and cannot to print. Please replace the drum cartridge

*1: The number of printable pages may be very different depending on factors such as printing condition, contents of the document and frequency of printer power supply.

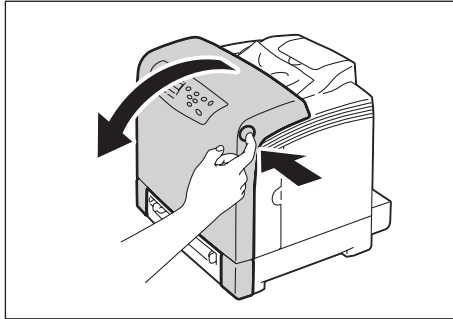
Important:

- Please make sure the power is on while replacing drum cartridge. Shun down the power will delete printing data in the printer and accumulated information in memory.
 - Please do not put the drum cartridge in direct sunshine or intensive light.
 - To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more then 3 minutes, printing quality may degrade.
 - Make sure the surface of belt component (black membrane) is not touched or scratched. Any scratch, dust or smear on the surface membrane of the belt component will degrade printing quality.
-

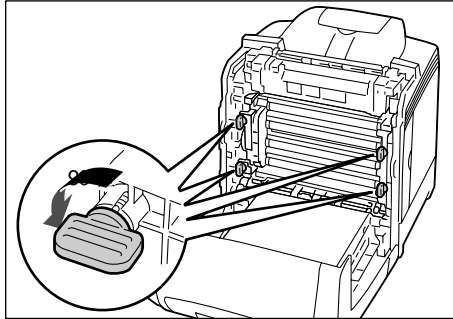
Replacing Steps

Please following the steps described below to replace drum cartridge.

- 1 Press the front cover button at the right side of the printer to open the front cover.



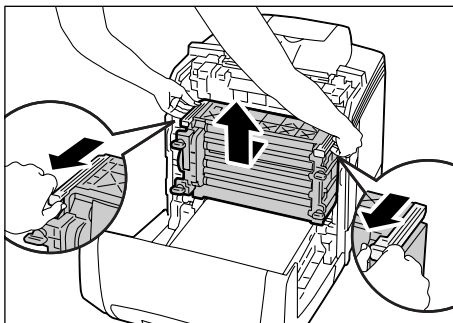
- 2 Turn 4 locking handles of the drum cartridge 90 degree anticlockwise.



Important:

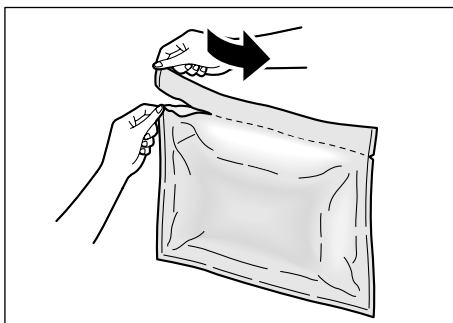
- Do not exert too much force to turn the locking handle over 90 degree.
- Make sure the surface of belt component (black membrane) is not touched or scratched. Any scratch, dust or smear on the surface membrane of the belt component will degrade printing quality.

- 3** Hold the protruding rings at both sides of the printer, and slide the drum cartridge at front direction of the printer. Then hold both ends of the drum cartridge firmly to lift it out from the printer.

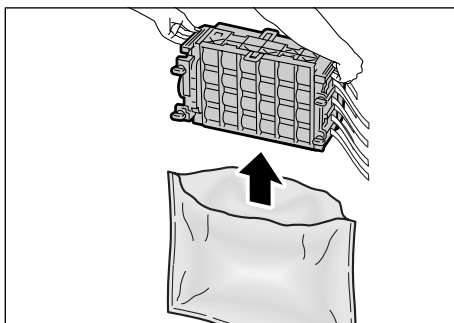


Important: Make sure you have hold the drum tightly to prevent it from falling on belt component.

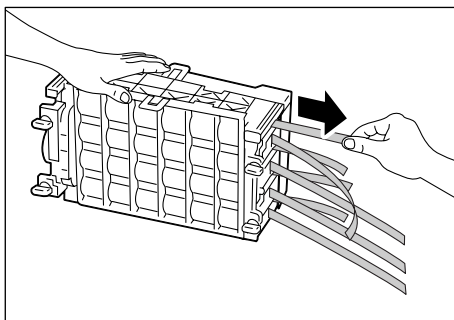
- 4** Open the package of new drum cartridge.



- 5** Take the new drum cartridge for package.

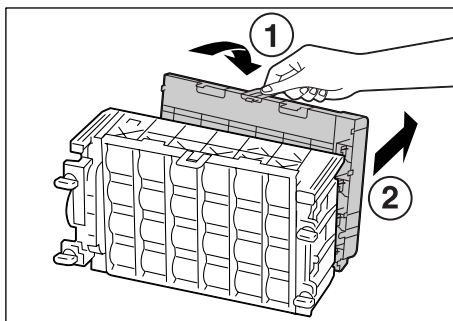


- 6** Put the drum cartridge at a flat surface, and draw 8 yellow adhesive tapes from the side of drum cartridge completely.



Important: Make sure the yellow adhesive tapes are pulled out in horizontal direction straightforward. The tape may split if it was not pulled in straight direction.

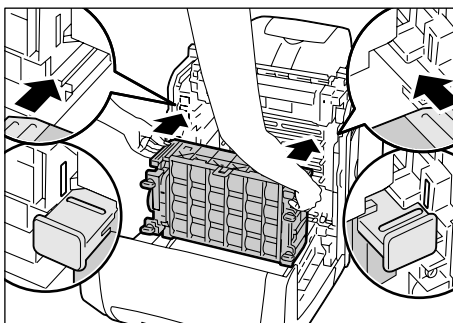
- 7 Hold the top protruding ring at the rear protecting cover, and take the protecting cover out from the drum cartridge.



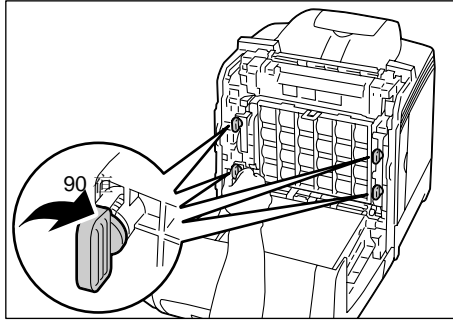
Note

- The front protecting cover should be taken out after the drum cartridge has been installed on the printer. Do not take this protecting cover out in this step.

- 8 Hold the gray portion of the drum cartridge, as shown in the figure, and slide the drum cartridge along the internal guide rails in the printer, until it cannot be slide further. Please check whether the line on the drum cartridge is matched with the white line on the printer.

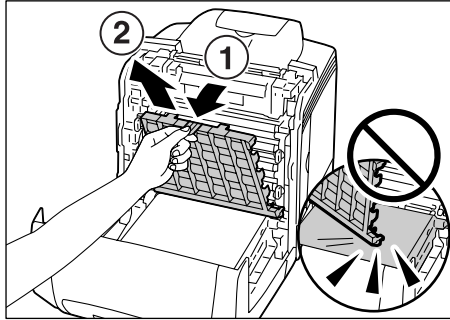


- 9** Turn 4 locking handles of the drum cartridge 90 degree clockwise to lock the drum cartridge.



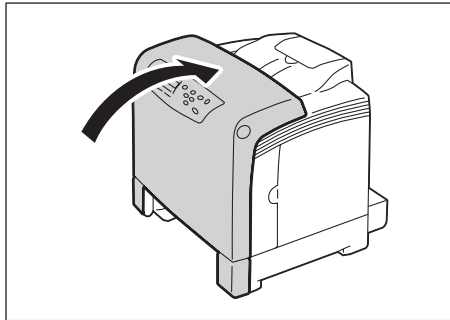
Important: Do not exert too much force to turn the locking handle over 90 degree.

- 10** Hold the top protruding ring at the front protecting cover, and take the protecting cover out from the drum cartridge carefully.



Important: Make sure the surface of belt component (black membrane) is not touched or scratched. Any scratch, dust or smear on the surface membrane of the belt component will degrade printing quality.

- 11** Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

This section introduces about types of report/list that can be printed from the printer and their printing methods.

Types of Report/List

Besides from execute printing job from computer, the printer can also print the following reports/lists.

Report/List Name (names displayed on the control panel)	Description
Printer setting list (Printer Settings)	Lists total print number, hardware configuration, network information and setting status of the printer. Print the list to check whether the optional components are installed on the printer correctly.
Control panel menu list (Panel Settings)	Print setting values configured on control panel.
Print JobHistory report (Job History)	List the recent 10 printing jobs processed on the printer. You can print this report to check the status of printing job. You can use the control panel to program the printer to print this report after every 10 printing jobs automatically. For more details, please Refer to [Auto Job History] (Page 5-25).
Error history report (Error History)	Print error information of this printer. Lists paper jam and system error information.

Note

- Report/list is printed in English.

Print Report/List

You can use control panel to print report/list. Here we introduce how to print [**Job History**] report. Printing steps for other reports/lists are same with these steps.

Note

- Report/list should be printed on A4 papers. If you are using papers other than A4-sized, please replace them with A4 papers.

- 1 Press < **Menu** > key on the control panel to display Menu interface.
Display [**Report/List**] .

Menu Report/List

- 2 Press < **▶** > or < **Eject/Set** >key to select.
Display [**Printer Settings**] .

Report/List Printer Settings

- 3 Press < **▼** > key, until [**Job History**] is displayed.

Report/List Job History

- 4 Press < **Eject/Set** >key to print.
Print report.



7.3

Check Number of Printed Pages

The printer can calculate printed pages/sheets according to different categories such as color and output computer.

Check reading of counters

The counters are divided by color mode. Total number of printed pages can be viewed on control panel.

Total Impression	Total printed pages
Black Impression	Pages of black print
Color Impression	Pages of color print

Note

- If [Color Mode] is set to [Color (Auto)], and the colors of your printing job have been transformed via ICC or other tools, then it will be printed in color even though it appeared as black and white on computer screen.
- In this case, the printed job will be calculated by Color Impression (colorful print).
- If you are printing at double sides, then the application may insert blank pages in the printing job based on the application and number of printing copy settings. In this case, the blank pages will be calculated by "1 page", and will be included in the counter.

Perform the following steps to check reading of the counter in control panel.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Meter Readings**] is displayed.

Menu Meter Readings

- 3 Press < ► > or < **Eject/Set** > key to select.
Display [**Total Impression**] .

Total Impression 123456

- 4 Press < ▲ > or < ▼ > key to display the counter you want to check.

Black Impression 222

- 5 After you have checked the counter, press < **Menu** > key to return to printing interface.

Check number of printed pages of all paper sizes (printer setting list)

The printing settings list can be used to check number of printed pages of all paper sizes.

Reference

- Print method for report/list: Refer to Print [Printer Settings] list (Page 1-5)

Print sample

Print Volume	
A4	100 Pages
A5	0 Pages
B5	50 Pages
8.5 × 11	0 Pages
Other	3 Pages

A4	100 Pages
A5	0 Pages
B5	50 Pages
8.5 × 11	0 Pages
Other	3 Pages

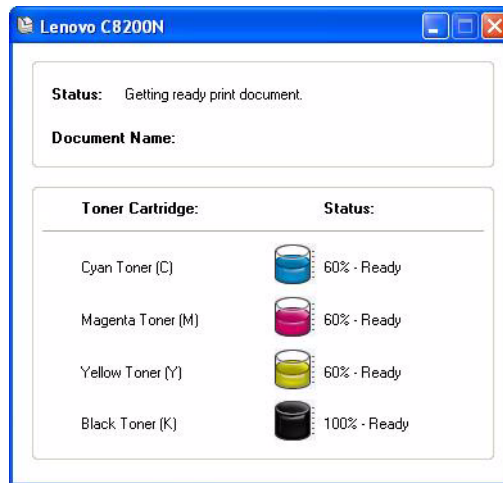
7.4

Use SimpleMonitor to Check Printer Status

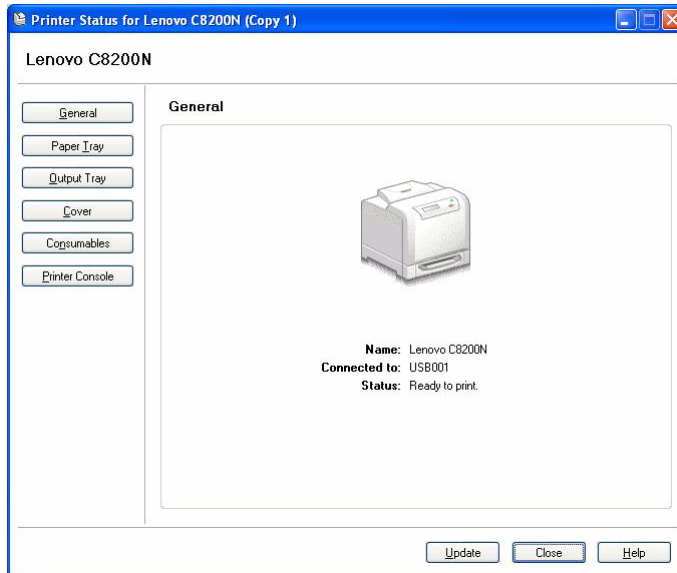
SimpleMonitor is a utility used to check printing job and printer status when printer is used as local printer or is connected to LPD port. This utility runs under Windows OS, it can be installed on computer by suing the Driver Kit CD provided with the printer.

SimpleMonitor can perform the following operations:

- If error occurred while printing, SimpleMonitor will display a window on computer screen to inform you.



- SimpleMonitor will display the following windows, including size and number of papers in the paper tray, status of the paper tray, and remaining lifetime of consumables such as toner cartridge and drum cartridge (only when your printer is local).



Note

- For network printer, you can check its status by visit WebAdmin Services of SimpleMonitor.
- For more information about SimpleMonitor, please see its online help.

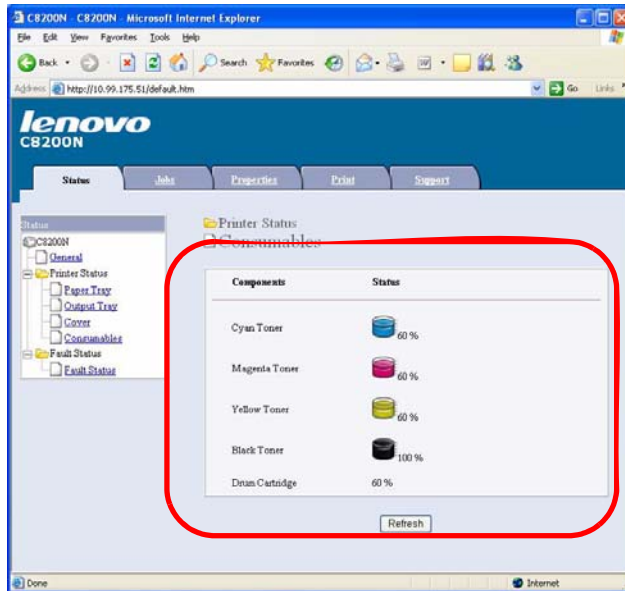
7.5

Monitor/Manage the Printer via Web Browser

If the printer is installed in TCP/IP environment, then you can use Web browser on network computer to monitor or set up the printer remotely.

This function is called WebAdmin Services.

WebAdmin Services can be also used to check consumables status and remaining papers in paper tray.



- For more detailed information about how to use WebAdmin Services, please Refer to 1.3 Use WebAdmin Services to set up printer (Page 1-13)
- WebAdmin Services cannot be used on local printer. For more information about how to monitor local printer, please Refer to 7.4 Use SimpleMonitor to Check Printer Status (Page 7-22).

If your printer is connected with network and configured with email and TCP/IP communication, then you can perform the following operations. The function to check printer status via email is called [E-mail Alert].

- If user has send an email to printer ask about network configuration and printer status, the printer will send back information via email.

Example of sending email from

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

[Printer status]
- Ready.

[Network Information]
{Network}
F/W Version      : X.XX
Ethernet Address : XX:XX:XX:XX:XX:XX
Ethernet Settings : 10Base-T Half(AUTO)
TCP/IP Settings  : Manual
```

- If there is error in printer mainframe, the printer can send email to designated email address to inform preconfigured contents (such as paper jam, consumables status etc). The recipients can track status of toner cartridge and drum cartridge periodically, and know when to replace them at exactly. The recipients of such notice should be network administrator or shared email address.

Settings of E-mail Alert Function

To use E-mail Alert function, you must set network and email environment for the printer. Please consult with you network administrator to confirm whether these settings have been set.

Network environment

- Create email account

Email environment (printer)

Use WebAdmin Services to set Port Status, email server and printer's email address.

Set the following items under [**Properties**], based on your email environment.

Note

- After the settings have been changed, click [**Apply**] button to reboot printer.
- For detailed information about each menu item, please refer to online help of WebAdmin Services.

Page	Item	Description
Port Status	E-mail Alert	Select [Enabled] .

Page	Item	Description
Protocol Settings > Email	Machine's E-mail Address SMTP Server Address SMTP Server Port Number E-mail Send Authentication SMTP AUTH - Login Name SMTP AUTH - Password POP3 Server Address POP3 Server Port Number POP3 Server - Login Name POP3 Server - Password POP3 Server Check Interval APOP Settings	Necessary setting for printer to send/receive email.
	Allowed email address	If you want to control email receipt, please set email address for users who are allowed to send email to the printer. If you have not assigned any address, then printer will receive email from all users.
	Password	When password is required when sending email to the printer, please input the password in [Password for Read-Only Data] .
E-mail Alert	Recipient's E-mail Address	Set the email address for user to whom the status change of printer (e.g. error) should be informed. You can set up to two email addresses.
	Notification Items	Select the items you want to inform. <ul style="list-style-type: none"> ● Consumables Status ● Paper Jam Status ● Printer Booting ● Login Error ● Items other than the above

Check Printer Status by Sending Email

Here we introduce precautions should be followed for sending email to printer to check its status.

- Use the email application on your computer, and then input the printer's mail address in "To" field.
- The subject could be any content for checking printer status and changing settings.
- The message of the email should obey the following rules, and input the instruction below.

Note

- The email sending method may vary depending on the email application on your computer. Please refer to user is manual of the email application.

■ Commands supported in email message

Command	Parameter	Description
#Password	Password	If [Password for Read-Only Data] has been set, then you must input this command at the beginning. If no password has been set, this can be neglected.
#NetworkInfo	-	Assigned when you want to check network settings list information.
#Status	-	Assigned when you want check printer status.

■ Command input rules

Please follow these rules to input command in email.

- Every command has a prefix [#], please begin your email with "Password".
- Any command without prefix [#] will be neglected.
- Input only one command at one line, and use space or tab to divide the command and parameters.
- If same commands have been inputted more than once in the same email, only the first command will take effect, and others will be neglected.

■ Example

- 1** If you want to acquire printer status but [**Password for Read-Only Data**] is not set, please input:

```
#Status
```

- 2** If you want to acquire printer status and network setting information, but [**Password for Read-Only Data**] is set to "only", please input:

```
#Password      only
#Status
#NetworkInfo
```

Here we introduce the printer's security functions and their settings. These contents are provided for system administrator of the printer.

Overview of Security Functions

The table below lists security functions of the printer. For detailed information about each function, please refer to reference page in the table.

Function	Description	Reference page
Use IP address to restrict data receival	Setting IP addresses for usable computers; you can restrict IP address that can accept printing.	Refer to [IP Filter] (Page 5-17) or Refer to Use IP address to restrict data receival (Page 7-31)
Locking Control Panel	Set password to control usage of control panel.	Refer to [Panel Settings] (Page 5-41)
Use authentication function to restrict user	Use authentication function of the printer to limit which users can print from computer.	Refer to 7.8 Authentication Functions (Page 7-34)

Use IP address to restrict data receival

If LPD or 9100 port is used, then the printer can permit or reject data from specific IP address. Below is the explanation about how to use WebAdmin Services to set this function.

Before make these settings, please disable all print ports beside the LPD port and 9100 port.

Note

- To set this function on control panel, please Refer to [IP Filter] (Page 5-17). This function can be used only when the printer is using LPD or 9100 port.

1 Start your Web browser, visit WebAdmin Services.

Note

- For more detailed information about how to visit WebAdmin Services, please Refer to 1.3 Use WebAdmin Services to set up printer (Page 1-13)

2 Click [**Properties**] tab.

3 In the left menu, click [**Protocol Settings**] -> [**LPD**] or [**Port 9100**].

4 Click [**IP Filter**] button.

5 Input the IP addresses/address masks you want to restrict, and select its access type ([**Reject**], [**Permit**] and [**Off**]). IP address/address mask should be series of four numbers between 0 and 255. The current value is marked with (*).

6 After the settings finished, click [**Apply**] button at lower part of right frame, then reboot the printer.

Note

- If you don't want to apply the new setting and want to restore the original value, please click [Undo].
- When you are prompted to input admin ID or password, please input the ID and password and click [OK].

■ Example for setting receival restriction

You can set up to 5 IP addresses/address masks, and the first pair will have privileged order. If you want input multiple addresses, please input the address with minimum coverage first.

1 Permit printing from specific user:

Example:
Permit printing from "192.168.100.10"

The screenshot shows the 'IP Filter' configuration window. It contains a table with 5 rows for 'Access List'. The first row is configured with IP Address 192, 168, 100, 10 and Address Mask 255, 255, 255, 255, with the 'Operation Mode' set to '*Permit'. The other four rows are set to '*Off'. Below the table, a note states 'Hosts that are not in the list will be rejected.' At the bottom are 'Apply' and 'Undo' buttons.

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.

Apply Undo

2 Reject printing from specific user:

Example:
Reject printing from "192.168.100.50"

The screenshot shows the 'IP Filter' configuration window. It contains a table with 5 rows for 'Access List'. The first row is configured with IP Address 192, 168, 100, 50 and Address Mask 255, 255, 255, 255, with the 'Operation Mode' set to 'Reject'. The other four rows are set to '*Off'. Below the table, a note states 'Hosts that are not in the list will be rejected.' At the bottom are 'Apply' and 'Undo' buttons.

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	*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.

Apply Undo

- 3** Permit printing from specific network addresses, reject printing from specific addresses, but permit printing from specific user within rejected addresses.

Example:

- (1) Permit printing from "192.168.200.10"
- (2) Reject printing from "192.168.200.xxx" (not including (1))
- (3) Permit printing from "192.168.xxx.xxx" (not including (2))

IP Filter

Access List	IP Address	Address Mask	Operation Mode
1	192 . 168 . 100 . 50	255 . 255 . 255 . 255	Reject
2	192 . 168 . 100 . 10	255 . 255 . 255 . 255	Permit
3	192 . 168 . 0 . 0	255 . 255 . 255 . 255	*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.

Apply Undo



7.8

Authentication Functions

The printer provides authentication function. Authentication function can control access of printer functions.

Here is a brief introduction about necessary settings for authentication function. These contents are suitable for system administrator.

Overview of Authentication Functions

Enable authentication function can allow you to restrict the number of users who can access the printer and manage and calculate printed papers for each user.

Restricted functions

By authentication/statistic functions, the authentication function can control usage of the following functions.

■ Print from computer

Based on type of your printing job, the following functions will be restricted.

Type of printing job	Restricted functions
Printing job using printer driver	You must set User Account Settings for the printer driver, such as user ID and password. The job can be printed only if its User Account Settings is matched with the register User Account Settings on the printer. If only certain pages are allowed to print, then you will not be able to printer after the maximum page has reached.
Printing job without printer driver	You can print only when [Non-account Print] in WebAdmin Services is set to [Enabled]. This setting is disabled by default.

Setting of Authentication Functions

Enable use authentication

To enable authentication, please set [**Print Auditron**] in WebAdmin Services to [**Enabled**] .

Then register User Account Settings of users who has access to the printer in WebAdmin Services. Whether the printer can be used depends on the user ID and password registered in WebAdmin Services.

Register User Account Settings in printer.

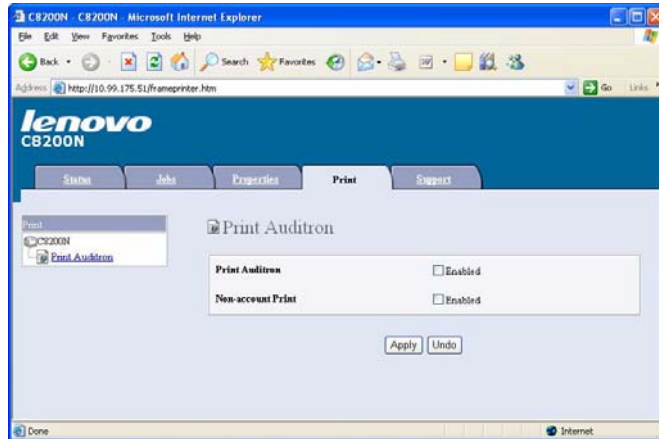
Below is a general introduction about how to enable authentication function in WebAdmin Services and register users who allowed to use the printer. For detailed information about each item, please refer to online help of WebAdmin Services.

- 1 Start your Web browser, visit WebAdmin Services.

Note

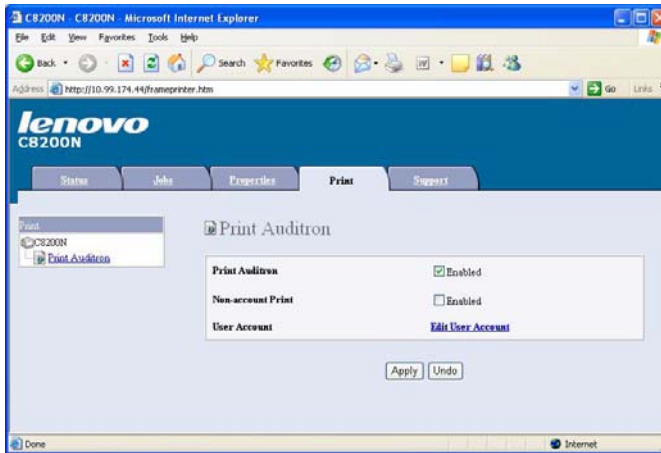
- For more detailed information about how to visit WebAdmin Services, please Refer to 1.3 Use WebAdmin Servicess to set up printer (Page 1-13)
- When you are prompted to input admin ID or password, please input the ID and password and click [OK]. By default - User ID: Root; Password: blank.

- 2 Click [**Print**] tab.
Display [**Print Auditron**] interface.

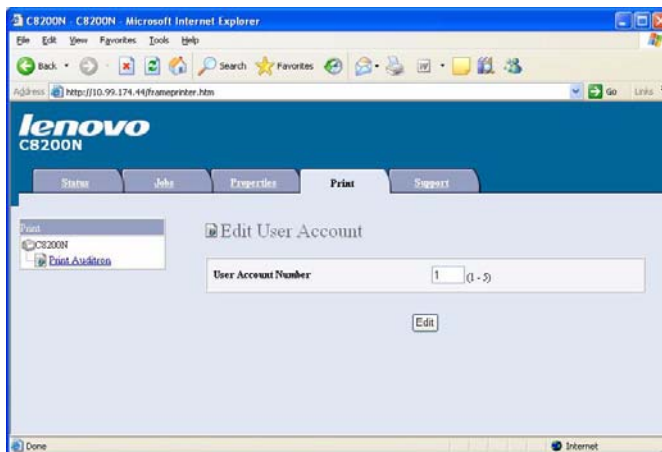


- 3 Check the [**Enabled**] check-box of [**Print Auditron**] .
- 4 If you want to allow print without printer driver, please check the [**Enabled**] check-box of [**Non-account Print**] .
- 5 Click [**Apply**] button.
- 6 A window prompting you to restart the printer will be displayed. In this window, click [**Reboot Machine**] .
- 7 After the printer is restarted, please refresh the Web browser.

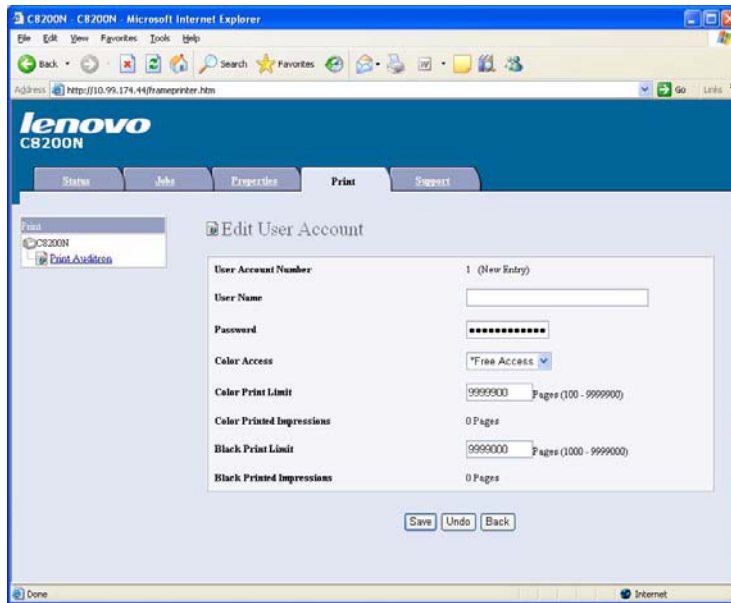
- 8 Check whether [**Edit User Account**] is displayed on [**Print Auditron**] interface.



- 9 Click [**Edit User Account**] .
- 10 In [**Edit User Account**] interface, input [**User Account Number**] , then click [**Edit**] button.



11 Fill each field at the displayed page, and then click [**Save**] button.



Note

- User ID and password set in this page will be also used for printer driver.

12 If you want register more than one user, please click [**Back**] button, and then repeat step 10 and 11.

Register User Account Settings in printer driver.

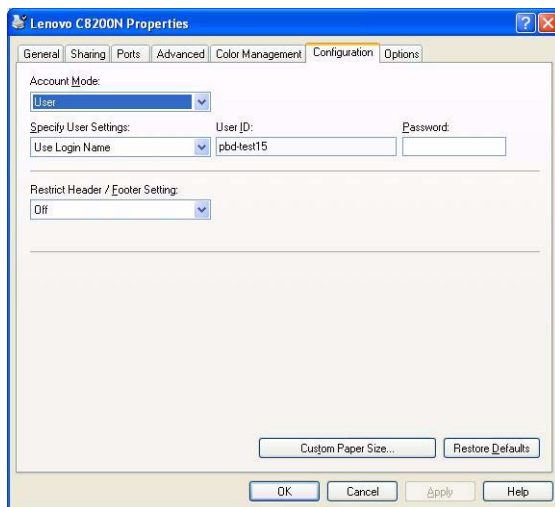
Set the following settings under [**Properties**] dialog box of printer driver. The printer will not print unless the user ID and password inputted in printer driver is the same with user ID and password registered in the printer. Steps for setting User Account Settings in printer driver are described below.

We take Windows XP as the example.

Note

- For more details about each items of printer driver, please refer to online help of printer driver.

- 1 Select [**Printer and Fax**] from [**Start**] menu in Windows.
- 2 Click to highlight this printer, and then select [**Properties**] from [**File**] menu.
- 3 Set each item under [**Configuration**] tab, and then click [**OK**] to close the dialog box.





7.9

Adjust Color Regi

If the printer is first time in use or has moved to other location, please adjust color regi.

In default factory setting, the printer in set to auto adjust color regi.

In case fine adjustment is necessary, it also need to print color regi chart to check setting values, and adjust color regi manually.

Print color regi chart

Print color regi chart according to following steps. Color regi chart is printed on A4-sized paper.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4 Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu
Maintenance Mode

- 5 Press < ► > or < **Eject/Set** > key to select. Display [**AdjustColorRegi**] .

Maintenance Mode
Adjust Color Regi

- 6 Press < ► > or < **Eject/Set** > key to select. Display [**AutoAdjust**] .

AdjustColorRegi
Auto Adjust

- 7 Press < ▼ > key, until [**Color Regi Chart**] is displayed.

AdjustColorRegi
Color Regi Chart

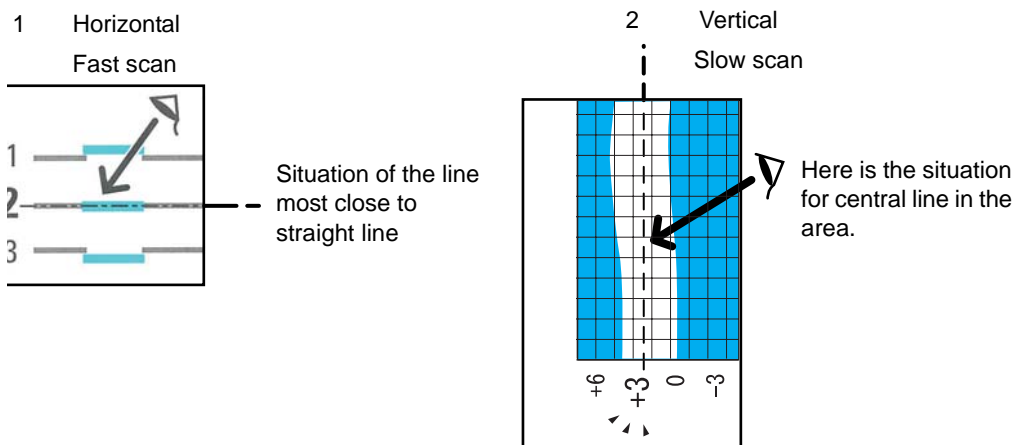
- 8 Press < **Set** > key to confirm your choice.
The page as shown in the right will be displayed, and color regi chart will be printed.

- 9 Press < **Menu** > key return to printing interface.

Confirm adjusted values

Read values of scale line and line or area with colors of cyan (C), magenta (M) and yellow (Y) for color regi at [(X)] (horizontal) and [(Y)] (vertical) in the printed color regi chart.

Read values of color lines and scale lines by scale for horizontal color regi; and read values of central line and scale lines of color area for vertical color regi.



If values for all colors are "0", then you do not need to adjust color regi for slow scanning.

If the value is not "0", please Refer to Input adjusting value (Page 7-43) to input.

Input adjusting value

- 1** Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2** Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3** Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4** Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu Maintenance Mode

- 5** Press < ► > or < **Eject/Set** > key to select. Display [**AdjustColorRegi**] .

Maintenance Mode AdjustColorRegi

- 6** Press < ► > or < **Eject/Set** > key to select. Display [**Auto Adjust**] .

AdjustColorRegi
Auto Adjust

- 7** Press < ▼ > key, until [Enter Adjustment] is displayed.

AdjustColorRegi
Enter Adjustment

- 8** Press < ► > or < **Eject/Set** > key to select. Display horizontal adjustment selection interface.

Enter Adjustment
Fast Scan

- 9** Press < ► > or < **Eject/Set** > key to select.
Display an interface for input adjusting value.

Enter Adjustment
Fast Scan

- 10** Press < ► > key, until the cursor is moved to the color you want to adjust.
(e.g. C=0)

<u>Fast Scan</u>
<u>Y= 0 M= 0 C= -2</u>

- 11 Press < ▲ > and < ▼ > key to input these values. (e.g. C=-2)

Fast Scan
Y= 0 M= 0 C= -2

- 12 After input these values, press < **Eject/Set** > key to confirm.
The screen will display restore step 8 interface.

Enter Adjustment
Fast Scan

- 13 If you want perform vertical adjustment at the same time, press < ▼ > key.
Display vertical adjustment selection interface.

Enter Adjustment
Slow Scan

- 14 Press < ► > or < **Eject/Set** >key to select. Display an interface for input adjusting value.

Slow Scan
Y= 0 M= 0 C= 0

- 15 Assign adjusting values same with horizontal adjustment. (e.g. M=3)

Slow Scan
Y= 0 M=3 C= 0

- 16 After input these values, press < **Menu** > key to confirm.

- 17 Print color regi chart again to check the setting values.



7.10

Adjusting Transfer Voltage

If the following abnormalities happen frequently, it may be caused by improper transfer voltage setting. In this case, please use the control panel to adjust the transfer voltage.

- Whit spots on printed image (change transfer voltage to negative direction).
- Excessive toners scattering on the printed paper (change transfer voltage to positive direction).
- Printing output with blue color (change transfer voltage to positive direction).

Transfer voltage for each paper type can be adjusted between -6~6 at an increment of 1. The default value is "0".

Adjust transfer voltage by performing the following steps.

- 1 Press < **Menu** > button on the control panel to display the menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4** Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu Maintenance Mode

- 5** Press < (change transfer voltage to positive direction). ►Or, press < **Eject/Set** > key to select.
Display [**Adjust Paper Type**] .

Maintenance Mode AdjustPaperType

- 6** Press < ▼ > key, until [**Adjust BTR**] is displayed.

Maintenance Mode Adjust BTR

- 7** Press < ► > or < **Eject/Set** >key to select. Display paper type selection interface.

Adjust BTR Plain Paper

- 8** Press < ▼ > key, until the paper type you need is shown. (e.g. Band Paper)

Adjust BTR Bond Paper

- 9** Press < ► > or < **Eject/Set** > key to select. Display current settings.

Bond Paper 0 *

- 10** Press < ▲ > < ▼ > key, input values (e.g. 6).

Bond Paper +6

- 11** Press < Set > key to confirm your input.

Bond Paper +6*

- 12** If you want to adjust other paper type at the same time, press < ◀ > key return to step 8, repeat the operations above.

- 13** After the setting is finished, press < **Menu** > key return to printing interface.

If the following abnormalities happen frequently, it may be caused by improper settings of fuser temperature. In this case, please use control panel to adjust fuser temperature.

- Omitted picture or text (change fuser temperature to positive direction)
- Printing twice at certain interval.
- Lack of luster (change fuser temperature to positive direction)

Fuser temperature for each paper type can be adjusted between -2~2 at increment of 1. The default value is "0".

Adjust fuser temperature by performing the following steps.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4** Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu
Maintenance Mode

- 5** Press < ► > or < **Eject/Set** > key to select.
Display [AdjustPaperType] .

Maintenance Mode
Adjust Paper Type

- 6** Press < ▼ > key, until [**Adjust Fuser**] is displayed.

Maintenance Mode
Adjust Fuser

- 7** Press < ► > or < **Eject/Set** > key to select. Display paper type selection interface.

Adjust Fuser
Plain Paper

- 8** Press < ▼ > key, until the paper type you need is shown. (e.g. Bond Paper)

Adjust Fuser
Bond Paper

- 9** Press < ► > or < **Eject/Set** > key to select. Display current settings.

Bond Paper
0*

- 10** Press < ▲ > < ▼ > key, input values (e.g. 2).

Bond Paper
2

- 11** Press < Set > key to confirm your input.

Bond Paper
2*

- 12** If you want to adjust other paper type at the same time, press < ◀ > key return to step 8, repeat the operations above.

- 13** After the setting is finished, press < **Menu** > key return to printing interface.

7.12

Adjust Altitude

If the printer is installed at high altitude or with low atmospheric pressure, please use control panel to adjust altitude settings. The altitude can be set to 0m, 1000m, 2000m or 3000m. The default value is 0m. Please select a value that is most close with altitude of the location.

Adjust altitude by perform the following steps.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4 Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu Maintenance Mode

- 5 Press < ► > or < **Eject/Set** > key to select. Display [**Adjust Paper Type**] .

Maintenance Mode Adjust Paper Type

- 6 Press < ▼ > key, until [**Adjust Altitude**] is displayed.

Maintenance Mode Adjust Altitude

- 7 Press < ► > or < **Eject/Set** > key to select. Display altitude selection interface.

Adjust Altitude 0m *

- 8 Press < ▼ > key, until the required altitude is shown. (e.g. 1000m)

Adjust Altitude 1,000m *

- 9 Press < **Eject/Set** > key to confirm selection.

- 10 After the setting is finished, press < **Menu** > key return to printing interface.

When executing color printing job after continuous mono printing, sometimes the toner density of the whole image may get lighter. In this case, please use [**Maintenance Mode**] in control panel to execute toner refresh function.

Important: Toner refresh function will consume large amount of toners.

Please following the steps described below to refresh toner.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** >key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4 Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu
Maintenance Mode

- 5 Press < ► > or < **Eject/Set** > key to select. Display [**Adjust Paper Type**] .

Maintenance Mode
Adjust Paper Type

- 6 Press < ▼ > key, until [**Toner Refresh**] is displayed.

Maintenance Mode
Toner Refresh

- 7 Press < ► > or < **Eject/Set** > key to select.
Display interface for selecting fuser color for execute toner refresh function.

Toner Refresh
Yellow

- 8 Press < ▼ > key, until proper color name is displayed. (e.g. black)

Toner Refresh
Black

- 9** Press < ► > or < **Eject/Set** > key to select. Display confirm interface.

Black
Are you sure?

- 10** Press < **Eject/Set** > key.
Starting to refresh toner. After toner refreshed, the screen will back to printing interface.



Drum Refresh

Drum refresh function can reduce sensitization fatigue of the drum which is caused by unclosed cover resulted exposure. In this case, please use [**Maintenance Mode**] in control panel to execute drum refresh operation.

Please following the steps described below to refresh the drum.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4** Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu
Maintenance Mode

- 5** Press < ► > or < **Eject/Set** > key to select. Display [**AdjustPaperType**] .

Maintenance Mode
AdjustPaperType

- 6** Press < ▼ > key, until [**Drum Refresh**] is displayed.

Maintenance Mode
Drum Refresh

- 7** Press < ► > or < **Eject/Set** > key to select. Display confirm interface.

Drum Refresh
Are you sure?

- 8** Press < **Eject/Set** > key. Starting drum refresh. After the drum is refreshed, the screen will back to printing interface.



Clean Developer

Under continuous high resolution picture printing, sometimes phenomenon of skewed picture or uneven central hue may happen. In this case, please use [**Maintenance Mode**] in control panel to clean the developer.

Please perform the following steps to clean developer.

- 1 Press < **Menu** > button on the control panel to display menu interface.

Menu Report/List

- 2 Press < ▼ > key, until [**Admin Menu**] is displayed.

Menu Admin Menu

- 3 Press < ► > or < **Eject/Set** > key to select. Display [**Wired Network**] .

Admin Menu Wired Network

- 4** Press < ▼ > key, until [**Maintenance Mode**] is displayed.

Admin Menu
Maintenance Mode

- 5** Press < ► > or < **Eject/Set** > key to select. Display [**Adjust Paper Type**] .

Maintenance Mode
Adjust Paper Type

- 6** Press < ▼ > key, until [**Clean Developer**] is displayed.

Maintenance Mode
Clean Developer

- 7** Press < ► > or < **Eject/Set** > key to select. Display confirm interface.

Clean Developer
Are you sure?

- 8** Press < **Eject/Set** > key.
Starting to clean the developer. After it finished, the screen will back to printing interface.

Here we introduce how to clean the printer to keep it at good status and ensure optimum printing quality.

Warning:

- Please use special cleaning materials clean printer to prevent performance degeneration and ensure operation safety. Do not use spray detergent, otherwise it may cause fire or explosion.

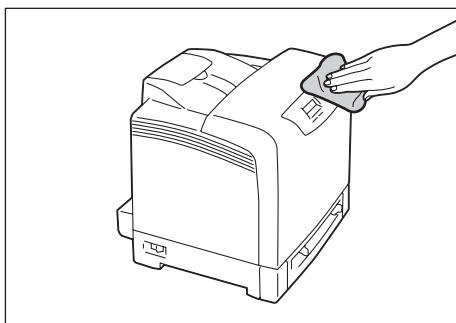
Caution:

- Before cleaning this printer, please turn off the power and pull out the power plug. Cleaning with power on may cause shock accident.

Clean machine case

Please clean printer case once per month, or more often if necessary. Please use soft cloth, dry out after soaked with water, and then use it to clean printer case. Later, use a soft dry cloth to wipe out remained water. If the smear is not easy to wipe out, please use soft cloth that had dry out after soaked with small quantity of neutral detergent.

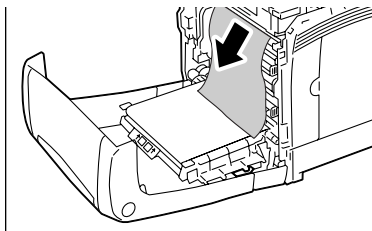
Important: Do not spray the detergent on printer directly. Liquid may ooze into the printer through aperture and cause problems. Do not use other detergent except a neutral one.



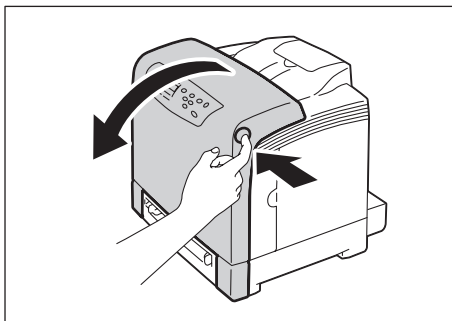
Clean Feed Roller

If paper cannot feed in properly, please clean the feed roller inside the printer.

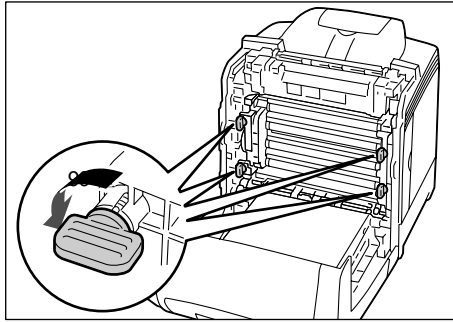
- 1 Switch power switch at left of the printer to < O > position, turn off power.



- 2 Pull the power plug out from printer and power socket.



- 3 Press the front cover button at the right side of the printer to open the front cover.

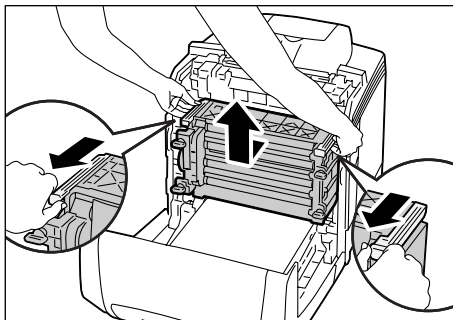


- 4 Turn 4 locking handles of the drum cartridge 90 degree anticlockwise.

Important:

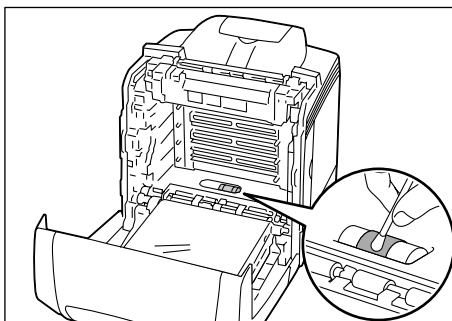
- Do not exert too much force to turn the locking handle over 90 degree.
- Make sure the surface of belt component (black membrane) is not touched or scratched. Any scratch, dust or smear on the surface membrane of the belt component will degrade printing quality.

- 5 Hold the protruding rings at both sides of the printer, and slide the drum cartridge at front direction of the printer. Then hold gray part of the drum cartridge firmly to lift it out from the printer.

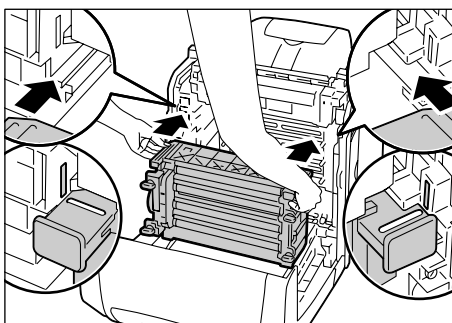


Important: Please do not put the drum cartridge under direct intensive light such as sunshine.

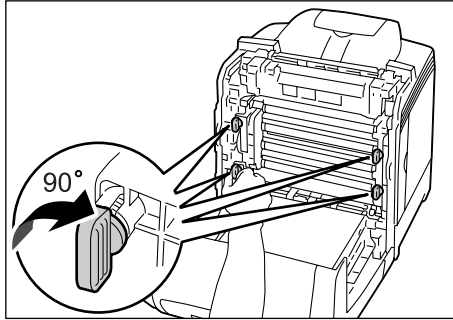
- 6** While rotating the feed roller, please use clean and dry cotton stick to wipe the rubber part of feed roller.



- 7** Hold the gray portion of the drum cartridge, as shown in the figure, and slide the drum cartridge along the internal guide rails in the printer, until it cannot be slide further. Please check whether the line on the drum cartridge is matched with the white line on the printer.

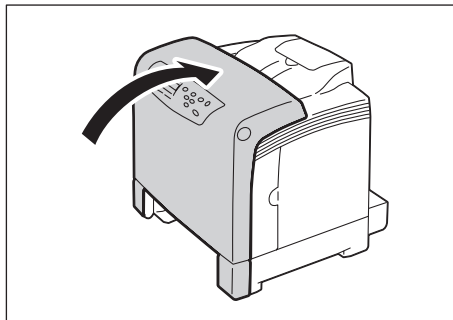


- 8** Turn 4 locking handles of the drum cartridge 90 degree clockwise to lock the drum cartridge.



Important: Do not exert too much force to turn the locking handle over 90 degree.

- 9** Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

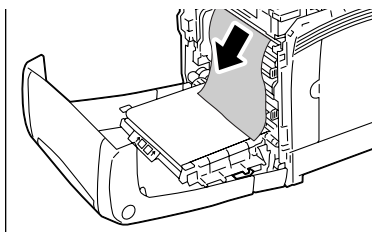
- 10** Insert the power plug into the connector at rear of printer. And then plug the other end of power line into power socket.
- 11** Switch power switch at left of the printer to < | > position, turn power on.

Clean CTD Sensor

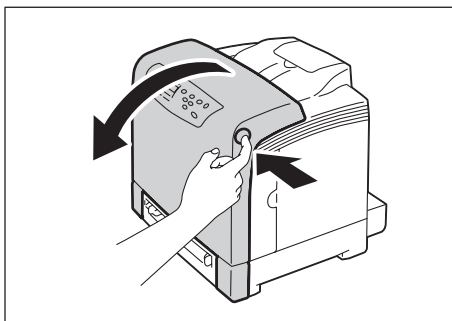
If [**Clean CTD Sensor**] error message is displayed on printer's control panel, please clean the CTD sensor (printing quality adjusting sensor).

Important: To prevent drum cartridge exposure, please close the front cover within 3 minutes. If the front cover was left open for more than 3 minutes, printing quality may degrade.

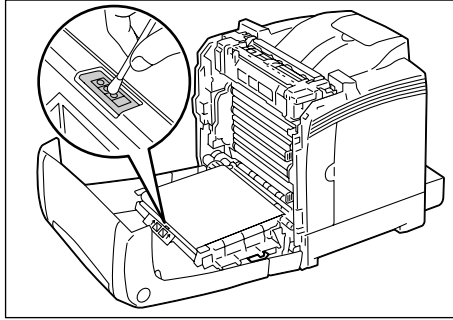
- 1** Switch power switch at left of the printer to < O > position, turn off power.
- 2** Pull the power plug out from printer and power socket.



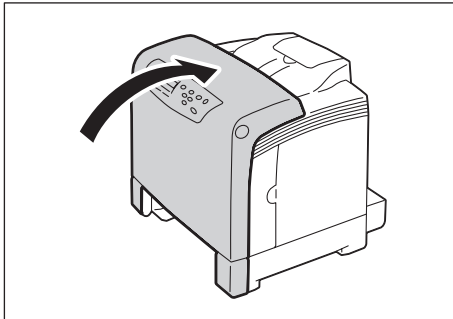
- 3** Press the front cover button at the right side of the printer to open the front cover.



- 4** Check the position of CTD sensor within the printer, and then use clean and dry cotton stick to wipe the sensor.



- 5** Close the front cover.



Important: Before closing the front cover, please take care not to clamp your finger between the cover (at left, right, upper and lower edge) and the printer.

- 6** Insert the power plug which was pulled out in steps 2 into the connector at rear of printer. And then plug the other end of power line into power socket.
- 7** Switch power switch at left of the printer to < | > position, turn power on.



Moving the Printer

Please follow the steps below to move the printer.

Important:

- The weight of printer (including consumables) is 17.0kg. Moving the printer should be performed by at least 2 persons to avoid faulty operation or injury.
 - To lift the printer, face the front side of the printer (control panel side), and the 2 persons hold the concave parts at both side of the printer firmly. Do not hold only one side of the printer to lift it. This can avoid fallen of printer that may cause injury.
-

Important: While lifting the printer, please bend your knees sufficiently to avoid hurting your waist.



- 1** Switch power switch at left of the printer to < O > position, turn off power.
- 2** Pull off power line, connecting cable and all other cables from the printer.
- 3** Open the side cover.

4 Take all toner cartridges out from the printer.

Important:

- Make sure toner cartridges are taken out before moving the printer. Otherwise toners may spill into the printer and smear the internal part.
 - After the toner cartridge is taken out, do not shake it. Otherwise toners may spill out.
 - Take care not to let toners smear your hand or cloth. If toners have adhered to your hand or cloth, please wash them out immediately.
-

Note

- For more details about how to take out toner cartridge, please Refer to Replacing Toner Cartridge (Page 7-6).

5 Close the side cover.

6 Press the front cover button at the right side of the printer to open the front cover.

7 Hold the gray parts at both sides of the printer, and slide the drum cartridge at front direction of the printer. Then hold both ends of the drum cartridge firmly to lift it out from the printer.

Important:

- Do not touch inner side of the printer. Some parts may very hot.
 - Make sure drum cartridges are taken out before moving the printer. Otherwise toners may spill into the printer.
 - After drum cartridge taken out of the printer, please put it inside a box or aluminum bag, or packed with thick cloth to avoid the drum cartridge exposed at intensive light.
-

8 Close the front cover.

Important:

- While closing covers, please take care not let your fingers clamped between the cover and printer.
 - For more details about how to take out drum cartridge, please Refer to Replacing the Drum Cartridge (Page 7-10).
-

- 9** Take tray1 out from the printer, and remove the papers inside the tray. Repack the removed papers, and then store them at place away from dust and damp.
- 10** If the tray has been prolonged, please hold the right side of the rear, and push the prolonged part back to the tray.
- 11** Insert the tray into the printer completely.
-

Important: While inserting the tray, please take care not let your fingers clamped between the tray and the printer.

- 12** Lift the printer, and move it gently. If the printer is to be transferred at far distance, please put it inside package before moving.
-

Important: To lift the printer, please follow the precautions introduced in "Important " (Page 7-68).



A *Appendix*

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A.1

Main Specifications

Product Specifications

Item	Description
Product code	C8200N
Type	Desktop
Printing method	Laser xerography Important * Semiconductor laser + photoelectric system
Fusing system	Heating roller (without oil)
Warm up time	Within 16 seconds (after power turns on, temperature is 22C)
Continuous printing speed *1	Colorful: 12 pages/minute *1 Mono: 16 pages/minute *1 Important *1 Continuous printing for portrait placed single A4-sized papers (plain paper). * Printing speed may slower depending on factors such as paper type (envelope), paper size and printing requirement of the job. Besides, printing speed may also slow down when printer is performing picture quality adjustment.

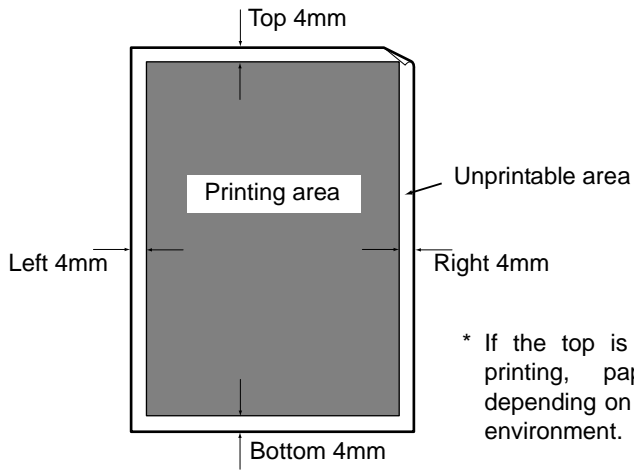
Item	Description
Fast printing	<p>Color 12.0 seconds (A4 portrait/feed from tray1) Black 9.0 seconds (A4 portrait/feed from tray1)</p> <p>Important</p> <ul style="list-style-type: none"> ● The time is from receiving printing job until first page output to tray (not including time for printer controller to receive and process data and when printer internal calibrating process does not run.)
Resolution	<p>Data processing resolution: 600 X600 dpi: 600 dpi multiple values</p> <p>Output resolution: 600 X600 dpi</p>
level/colors	256 levels for each color (1670 colors)
Paper size	<p>Manual Feeder A4, B5, A5, 8.5 X11", custom paper size (width: 76.2-215.9mm; length: 127-355.6mm)</p> <p>Tray1 A4, B5, A5, 8.5 X11", custom paper size (width :76.2-215.9mm; length: 127-355.6mm)</p> <p>Manual duplex printing: A4, B5, A5, 8.5 X11", custom paper size (width: 76.2-215.9mm; length: 127-355.6mm)</p>
	Printing margin: 4mm for upper, bottom, left and right side

Item	Description
Paper type	<p>Standard:</p> <p>Manual Feeder/tray1: Plain, recycle, bond, heavyweight1 (106-163g/m²) , heavyweight2 (164-216g/m²), coated1 (95-105g/m²), coated2 (106-163g/m²), coated3 (164-216g/m²), label, envelope Support g/m²: 60-216 g/m²</p> <p>Manual duplex printing: Manual Feeder Plain, recycle, bond, heavy weight1 (106-163g/m²) Support g/m²: 60-163 g/m²</p> <p>Important</p> <p>* Use only the recommended papers. Use papers other than recommended papers may cause printing error. Don not use ink jet printing paper or post card that made of recycle paper.</p> <p>* For detailed information about recommended papers, please contact with our customer support center or your local dealer.</p>
Tray capacity	<p>*¹Standard: tray1: 250 pages, Manual Feeder: 1 page</p> <p>Important</p> <p>* 64g/m² paper</p>
Output tray capacity	<p>Standard: 150 pages (face down)</p> <p>Important</p> <p>* 64g/m² paper</p>
Duplex printing	Standard (support manual duplex printing.)
CPU	RISC CPU (333MHz)
Memory capacity	Standard: 64 MB
Built in hard disk	None

Item	Description
Supported OS	<p>Standard: Windows® 2000, Windows® XP, Windows Server® 2003, Windows Vista™</p> <p>Important</p> <p>* For detailed information about supported OS, please contact with our customer support center or your local dealer.</p>
Interface	<p>Standard: Ethernet 100BASE-TX/10BASE-T USB2.0</p>
Supported communication protocols	TCP/IP (LPD, Port 9100, FTP, HTTP, SNMP, E-mail Alert)
Power supply	<p>AC 220V \pm 10%; 5A ; 50/60Hz</p> <p>Important</p> <p>*Use of power socket that can provide the above capacity is recommended. Maximum current is 10A.</p>
Noise	<p>Operating (only mainframe): 6.6B; under 52 dB (A) Standby: 3.6B; under 23 dB (A)</p> <p>Important</p> <p>* Measurement based on ISO7779 Unit B: sound power voltage (LwAd) Unit dB (A): radiating sound pressure (stander-by position)</p>
Power consumption	<p>Max: 990 W Sleep mode: below 5W Average: standby 80W Continuous color printing: 300W Continuous mono printing: 350W</p> <p>Important</p> <p>* Power saver mode: 10W (If power is off, the printer would not consume any power even the power line is still connected.)</p>

Item	Description
Dimension	400 (W) X 445 (D) *1 X 390 (H) mm Important *1 Tray1 is not prolonged.
Weight	17.0kg Important *Including consumables.
A m b i e n t environment	Operating environment: temperature: 10-32° C Moisture: 15-85 % (not including printer error caused by coagulation) Storage environment: temperature: -20-40° C Moisture: 5-85 % (not including printer error caused by coagulation) Important *Printing quality may degrade depending on paper quality, until the temperature and moisture level and the internal environment of printer adjusted with the new environment.

Printing area



* If the top is less than 4mm at actual printing, paper jam may happen depending on the picture, paper type and environment.



Lifetime of consumables and parts that should be replaced periodically

Lifetime of consumables

Consumables	Number of page can be printed
Toner cartridge (provided with the printer) (black/cyan/magenta/yellow)	About 1,000 pages
Toner cartridge (retail sales) (black/cyan/magenta/yellow)	About 2,000 pages
Drum cartridge	About 20,000 pages

Important: Toner

Reference value for continuous printing under conditions of A4 portrait, picture density 5% for all colors. The actual period for replacement may vary depending on printing condition, document contents, paper type, paper size and printing environment.

Important: Drum cartridge

Reference value for continuous printing under conditions of A4 portrait, single side printing, picture density of 5% for all colors, color/mono ratio is 4:6 and average 2 pages for one time printing. The actual value may vary depending on change of the above conditions, settings for continuous printing pages, paper size, paper type, feeding direction, paper tray and output tray, auto selection of mono/color*1 and application condition of other mode selection, initial work with printer power ON/OFF, adjustment to maintain printing quality etc, and the value may less than half of the reference value. Please take this value only for reference.

*1 Because of the structure of the printer, the drum cartridge will wear down even only mono printing job were executed.

Lifetime for parts that should be replaced periodically

Periodical replacing part	Number of page can be printed
Fuser	About 50,000 pages
Feed roller	About 50,000 pages

Important: Parts that must be replaced periodically are installed in the printer to maintain their functions and performance. These parts are called periodical replacing parts.

The reference value for replacing period is for continuous printing on plain A4 papers. The actual number of printable pages may vary different depending on paper size, paper type, printing environment and frequency of printer power switch. Here we have converted these life effecting factors to number of printable pages based on some hypothesis.

For example, galvanized time is a decisive factor to determine fuser life; therefore we convert it to printable pages.

Replacement of periodical replaced parts should be performed by special technicians. You have to pay fees for manpower as well for part cost.

Cost of periodical replaced parts is not included in maintenance service. You have to pay for the cost of replacing these parts.

During the guaranteed period, if the replacement of parts is based on printer message, then you must pay for replacement of these parts.



A.3

Acquire Product Information

Get latest printer driver

You can download the latest printer driver from our website.

Note

- User shall pay the communication fees.

Note

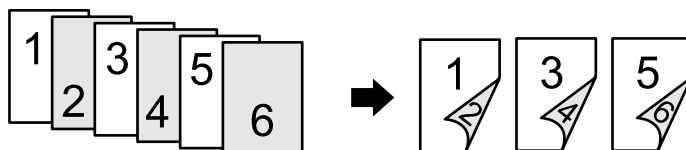
- The URL for driver downloading is listed below:
[http: //www.lenovo.com/](http://www.lenovo.com/)

A.4

Processing paper jam during manual duplex printing

Execute duplex printing manually. If paper has jammed during manual duplex printing, the jam removing steps will depend on the page of paper jam, or the printer driver setting.

Here we introduce how to restore operation at paper jam during duplex printing. Take example of a 6-page document of WordPad under Windows XP.



Note

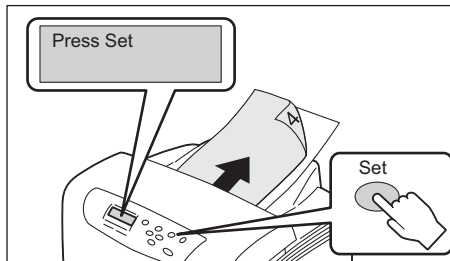
- For steps for removing jammed paper, please Refer to 6.1 Remove Jammed Paper (Page 6-3).
- For information about how to place papers in the tray, please Refer to 4.2 Placing Papers (Page 4-7).

Paper jam happed at even number page printing

While executing duplex printing, the printer will first print all even number pages. If paper jam occurred during this period, then the printer will resume printing job at the page where jam had occurred after the error is removed.

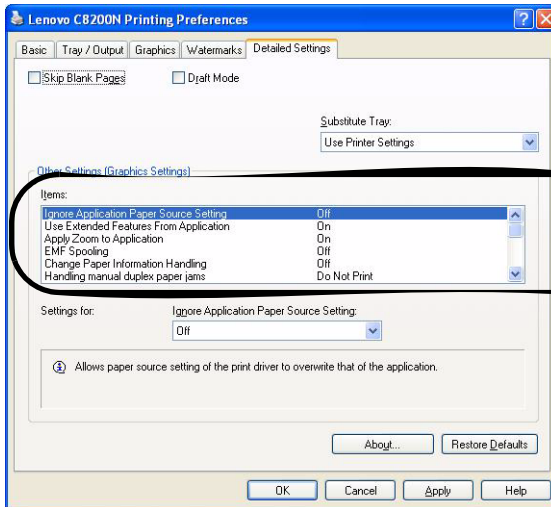
For example: if paper jam happed at page 4.

- 1 After removal of paper jam, the following message will be displayed as shown in the figure.
Press < **Eject/Set** > key to resume printing.
The printer will reprint the jammed page (page 4), and then continue to print the remaining pages of the job.



Paper jam happed at odd number page printing

If paper jam happed at odd number page printing at the back at pages which front side had been printed for even number pages, then the steps for removing paper jam depends on the setting of [Handling Manual Duplex Paper Jam] which was assigned before executing the job.



[Detailed Settings] tag > [Other Settings] > [Handling Manual Duplex Paper Jam]

- When selecting [Do not print] (default), please refer to iWhen selecting [Do not print] (default)î "(Page A-14).
- When selecting [Print] (default), please refer to iWhen selecting [Print] (default)î "(Page A-16).

When selecting [Do not print] (default)

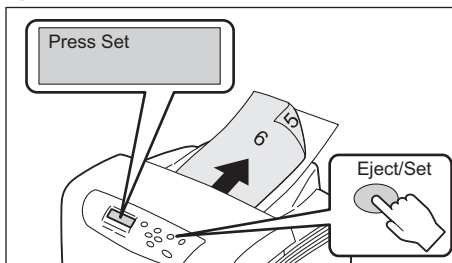
If you are printing a duplex printing job but had selected default setting [**Do not print**] on [**Handling manual duplex paper jams**] of printer driver, then the printer will no reprint the jammed page after paper jam removed, and will continue to print the remaining part of the printing job.

For example: if paper jam happed at page 3.

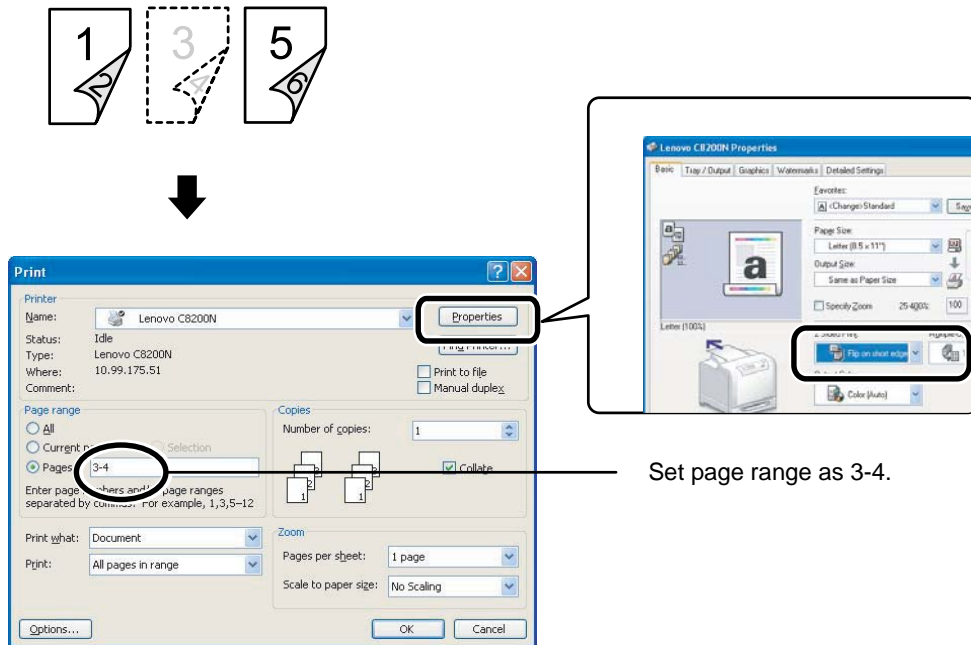
- 1 After removal of paper jam, the following message will be displayed as shown in the figure.

Press < **Eject/Set** > key to resume printing.

The printer will resume printing job at next page (page 5), and will continue to print the remaining part.



- 2 After all pages have been printed, the screen will back to [**Ready to Print**]. Check for missing pages, then request for duplex printing job from application again to reprint these missing pages.



Set page range as 3-4.

Note

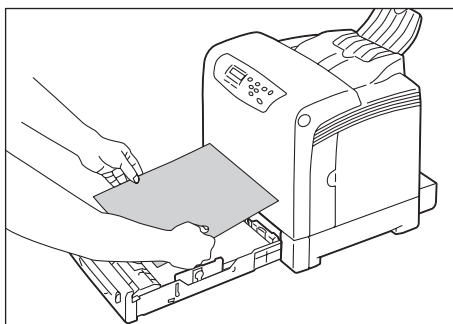
- If the paper jam is more than 2 pages, please only duplex print the jammed pages.

When selecting [Print]

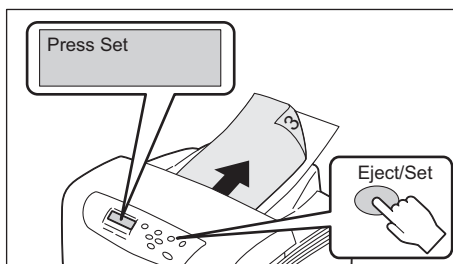
If you have selected [Print] on [Process Manual Duplex Paper Jam] in printer driver when requiring printing job, then the printer will reprint the jammed page after paper jam removed, and will continue to print the remaining part of the printing job. Therefore, you need to place new papers in the tray.

For example: if paper jam happed at page 3.

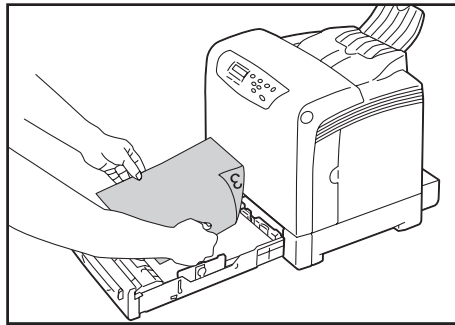
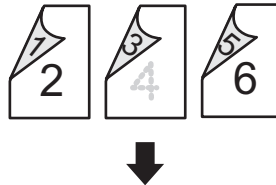
- 1 After paper jam removed, place new pages to reprint the jammed page (page 3).



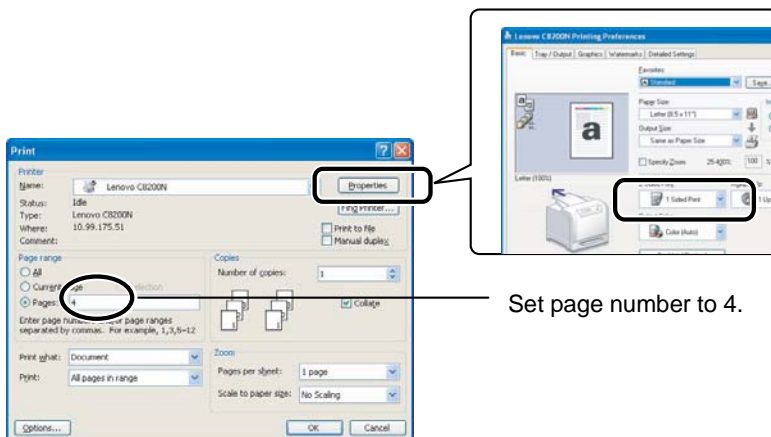
- 2 Display information as shown in the figure.
Press < **Eject/Set** > key to start printing.
The printer will reprint the jammed page (page 4), and then continue to print the remaining pages of the job.



- 3** After all pages have been printed, the screen will back to [**Ready to Print**]. Because back of this page (page 4) is blank, so please insert that page into the tray.



- 4** Appoint the page number of the blank page (page 4) under [**Page number**], and then request a single side printing job from application again.



Note

- If the paper jam is more than 2 pages, please only duplex print the jammed pages.



Cautions and Limitations

Cautions and limitations for using the printer

Introduction of cautions and limitation for using the printer.

Duplex printing counters

If you are printing with duplex, then the application may insert blank pages into to printing job automatically depending on the application used and settings of printing copies. In this case, blank page is counted as 1 page.

When printing black and white document

In situation of continuous printing of mono documents, color toner will be also consumed because of the printer structure.

When placing papers in the Manual Feeder

Place use the following method to put paper correctly when printing with Manual Feeder.

- Insert the paper flatly into the slot of Manual Feeder. Improper feeding of papers may cause skewed printing image or paper jam.
- Please only insert one page into the Manual Feeder once a time. Otherwise it may cause paper jam.

Execute manual printing from application's printing dialog box

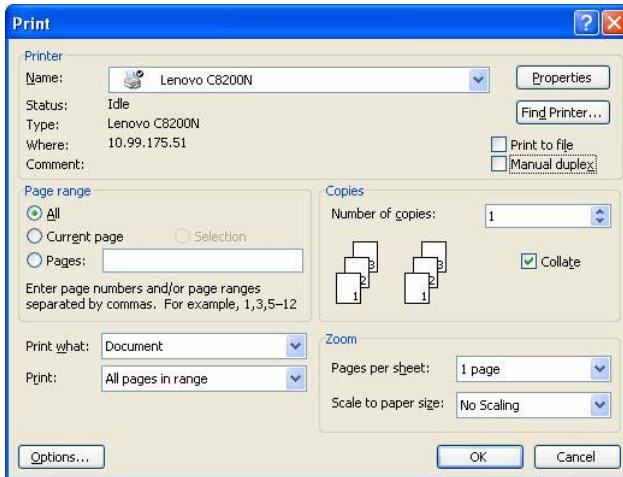
Printing job cannot be executed properly when perform manual duplex printing from application's printing dialog box. In this case, please open printing dialog box from application's properties, and execute the printing job.

Important: Please put paper in tray1 when executing duplex printing job in this printer. Manual Feeder cannot be used for duplex printing.

Reference

- Refer to 3.4 Duplex Printing (Page 3-18)

Example: execute duplex printing dialog box from Word



If select [Manual Duplex Printing] to execute printing job, then this job cannot be executed properly.

[10BASE-T]

10Mbps Ethernet that using baseband signal and twisted pair. This is one of IEEE802.3 standards.

[100BASE-TX]

Extended version of 10BASE-T Ethernet, called FastEthernet. With communication speed of 100Mbps, it is much faster than then 10Mbps of 10BASE-T.

[BOOTP]

Acronym of BOOTstraPProtocol. This is a protocol that allows client in TCP/IP network acquire network configuration information from server automatically.

[CD-ROM]

Compact disk (CD) that contains large amount of data (including software and images).

[CMYK]

A color mode that represents all color by combination of four primitive colors, which are cyan (C), magenta (M), yellow (Y) and black (K).

[DHCP]

Acronym of Dynamic Host Configuration Protocol. This protocol is used by server to allocation IP address for client computer automatically.

[dpi]

Acronym of dots per inch. It is a measuring unit for resolution, indicating number of printable dots per inch (about 25.4mm).

[HTTP]

Communication protocol for Web browser to communicate over Internet.

[ICM]

Acronym of Image Color Matching. This is color management software runs under Windows 98/Windows Me/Windows 2000/Windows XP/Windows Server 2003/Windows Vista. It calibrates the device to eliminate any color matching difference cause by device, and match the device colors with printer colors.

[Image Enhancement]

A function to smooth between black and white areas, reduce zigzags and enhance resolution artificially.

[IP Address]

Address in TCP/IP protocol used to identify computers in network. It is represented by 4 groups of digits, i.e. 4 groups of decimal digits separated by periods.

[N in one]

Allow you print contents of multiple pages on one page.

[Operating System (OS)]

A software system running of computers, and controls and manages basic operations of hardware and software in the computer. It provides interfaces with hardware for applications.

[PDF file]

In this specification, we called online documents created using Acrobat (developed by Adobe Systems) "PDF files". You need to install an Adobe AcrobatReader software to read PDF files.

[Port 9100]

A network communication method that can transmit data under Windows 98, Windows Me, Windows 2000, Windows XP, Windows Server 2003 and Windows Vista

It can be used on standard TCP/IP port monitor in Windows 2000, Windows XP, Windows Server 2003 and Windows Vista.

[ppm]

How many pages can be printed within one minute by the printer.

[SNMP]

A protocol for managing online devices via network.

The device for managing online devices runs on "SNMPmanager" software. And the monitored devices run on "SMNPagent".

[TCP/IP]

Network protocol developed by DARPA NET (Defense Advanced Research Projects Agency, USA). This is standard protocol for Internet, supported by all computer platform ranging from PC to Mainframe.

[USB]

Acronym for Universal Serial Bus. It is the data communicating method between computer and its peripheral devices. It allows for hot plug, i.e. connect or disconnect peripheral devices without shutting down the computer.

[WINS]

Acronym for Windows Internet Name Service. It is a name parse service that transfers computer name to IP address under TCP/IP environment.

[WWW]

Acronym for World Wide Web. It is a system to support Internet websites.

[Address]

Information (identifier) used to identify each node (compute or terminal) on the network. The digits indicating locations in computer memory are also called "address".

[Application]

Computer software that is designed to execute a specific task. There are all kinds of applications, such as word process, spreadsheet, graphics and database.

[Uninstall]

Removed installed software from computer.

[Printing area]

Area on paper that can be actually printed.

[Install]

Load software or hardware onto computer or peripheral devices to make it at usable status. It means load printer driver in computer system or assemble hard disk in printer.

In this specification, "install" means load software in computer in most cases.

[Installer]

An application that can install software to computer.

[Interface]

Surfaces or points of two systems connected or touched together. It is often used to describe interactive interface between computer and printer, or between user and device.

It is normally called "interface" directly when indicating interface (of electronic device) specifically.

[Connecting Cable]

Cable that used to connect multiple devices.

Connecting cables including the USB cable or parallel cable that connects printer and computer, and Ethernet cable that connects printer to network.

[Online Help]

A manual can be read on computer screen.

[Resolution]

Measured by dpi, indicating graphic quality. The higher the dpi, the higher the resolution.

[Color Tone]

Indicating smooth degree between color and color. It uses ladder degree of the picture to indicate color tone value, the higher the value, the smoother the color tone.

[Click]

Action of press and release mouse button. In this specification, "click" means press and release left mouse button, and

"right click" means press and release right mouse button.

"double click" means fast press and release mouse button twice.

[Server]

Computer in network that stores data files, and can be accessed by other computers.

"Client" is the computer that requests service from server.

[Default Value]

A specific setting or variable value assigned to printer in the factory. During initialization of NV memory, any setting or value canceled or changed by user will be restored to default value.

[Printing Job]

Printing job unit processed by computer. Printing job is a printing job unit executed on printer, which consists of a print file. Canceling or executing of print is executed by this unit.

[Duplex Communication]

A communication type for two devices exchange information with each other. It can realize data transmission between printers (such as printing request)

And data reception (such as printing job status).

[Paging]

A output program that outputs every copy with same sequence as the original document. For print 2 copies of 3-page document, the output sequence will be page 1-2-3, 1-2-3.

[Network Printer]

In this specification, "network printer" indicates printer that connected to network with Ethernet cable.

[Font]

A full set of characters and symbols with common characteristics (such as style and fonts).

[Web Browser]

Software for review Internet information on computers. Mozilla FirefoX and InternetExplorer are the two most popular Web browsers.

[Printer Driver]

Software that translate data created by application into format can be read and print by printer.

[Full Colors]

Maximum colors can be displayed on computer screen, about 16.77 million colors.

[Communication Protocol]

Set of rules for information exchange between hardware or computers via network. It includes program rules for transmission between hardware and program rules for communication between 2 computers via network.

[Port]

Connecting point that allow information exchange between computer and peripheral devices.

[g/m²]

Weight of one square meters measured by gram.

[Local Printer]

In this specification, "local printer" indicates printer that connected to computer with parallel cable or USB cable.

[Login]

Access for acquire a resources (such as hard disk or network printer) in computer system. To finish a conversation in computer system, it means "quite system".

The first part of the paper discusses the importance of the research and the objectives of the study. It then moves on to a literature review, which provides a background on the topic and identifies the gaps in the existing research. The methodology section describes the research design, data collection, and analysis. The results section presents the findings of the study, and the conclusion summarizes the main points and offers suggestions for future research.

The research was conducted in a systematic and rigorous manner, following the principles of good research practice. The data were collected from a representative sample of the population, and the analysis was carried out using appropriate statistical methods. The results of the study are presented in a clear and concise manner, and the conclusions are based on the evidence gathered.

The study has several strengths, including a well-defined research design, a large and diverse sample, and the use of advanced statistical techniques. However, there are also some limitations, such as the cross-sectional nature of the data and the potential for self-report bias. Despite these limitations, the study provides valuable insights into the topic and contributes to the existing knowledge in the field.

In conclusion, the study highlights the importance of the research and the need for further investigation in this area. It also provides a framework for future research and offers practical recommendations for policy and practice. The findings of the study are discussed in the context of the broader literature and the implications for the field are explored.