

Quick Installation Guide



61478607A

Read this manual carefully before you use the product and keep it handy for future reference. For safe and correct use, be sure to read the Safety Information before using the machine.

1 Where to Put the Printer

The printer's location should be carefully chosen because environmental conditions greatly affect its performance.

Warning

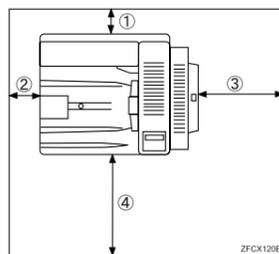
- Confirm that the wall outlet is near the machine and freely accessible, so that in event of an emergency, it can be unplugged easily.
- Only connect the machine to the power source described on this manual.
- Avoid multi-wiring.
- Do not damage, break or make any modifications to the power cord. Do not place heavy objects on it, pull it hard or bend it more than necessary. These actions could cause an electric shock or fire.
- The supplied power cord is for use with this equipment only. Do not use with other appliances. Doing so may result in fire, electric shock, or injury.

Caution

- Do not handle the plug with wet hands. Doing so might cause an electrical shock.
- Keep the machine in an area that is within optimum environmental conditions. Operating the machine in an environment that is outside the recommended ranges of humidity and temperature can cause an electrical fire hazard. Keep the area around the socket free of dust. Accumulated dust can become an electrical fire hazard.
- Place the machine on a strong and level surface. Otherwise, it might fall and injure someone.
- If you use the machine in a confined space, ensure there is continuous air circulation.

Space Required for Installation

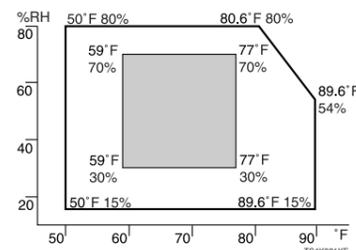
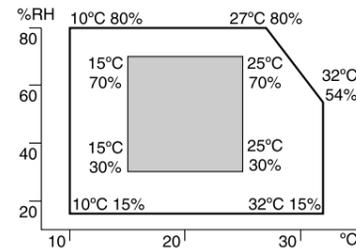
Leave enough space around the printer. This space is necessary to operate the printer. The recommended (or minimum) space requirements are as follows:



- ①: more than 10 cm (4.0")
- ②: more than 10 cm (4.0")
- ③: more than 40 cm (15.8")
- ④: more than 75 cm (29.6")

Optimum Environmental Conditions

Permissible and recommended temperature and humidity ranges are as follows:



- White area: Permissible Range
- Gray area: Recommended Range

Note

- The machine must be level within 5 mm, 0.2" from both front to rear and left to right.
- To avoid possible build-up of ozone, locate this machine in a large well ventilated room that has an air turnover of more than 30 m³/hr/person.
- When you use this machine for a long time in a confined space without good ventilation, you may detect an odd smell. To keep the workplace comfortable, we recommend you keep it well ventilated.

Environments to Avoid

Important

- Areas exposed to direct sunlight or strong light
- Dusty areas
- Areas with corrosive gases
- Areas that are excessively cold, hot, or humid
- Locations near air conditioners or humidifiers
- Locations near other electronic equipment
- Locations subject to frequent strong vibration

Power Source

Connect the power cable to a power source of the following specification:

- 220 - 240 V, 50/60 Hz, 8.0 A or more

2 Checking the Contents of the Box

Follow the procedure below to verify the items that come with the printer.

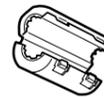
Important

- Ensure that the box contains all items listed below. If there are any missing or defective items, contact your sales representative.
- The interface cable is not supplied in the box. It is your responsibility to provide the interface cable appropriate for the computer that you are using.
- You will need the paper sensor if you install the Bridge Unit Type 2045. It is recommended that you keep the paper sensor for future use.

Manuals and a CD-ROM

- Quick Installation Guide (this sheet)
- Safety Information
- CD-ROM (1)
- Paper Sensor

- Ferrite Core x 1



AQV3005

- Paper Feed Unit Labels
- Additional Documentation

Note

- This package does not include an interface cable. Purchase one to use with your host computer. See "Appendix", Hardware Guide.

3 Unpacking

To protect it from shock and vibration during transit, this printer comes packaged in cushioning foam and secured with tape. Remove these protective materials after bringing the machine to where it will be installed.

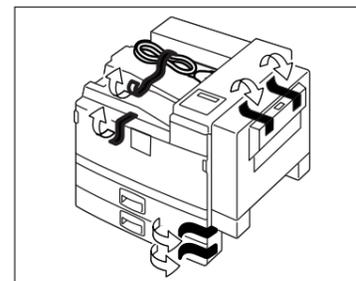
Caution

- When lifting the machine, use the pullout grips on the front side and the inset grips on the rear side. The printer could break or cause an injury if dropped.
- Place no objects on the left or inner cover.

Important

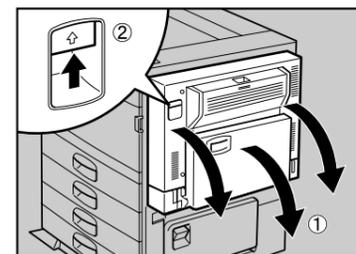
- Be sure to remove all four strips of tape from the photo conductor unit to avoid malfunction.
- Removed tape is dirty. Be careful not to let it touch your hands or clothes.

1 Remove the adhesive tape from the printer as shown in the illustration.



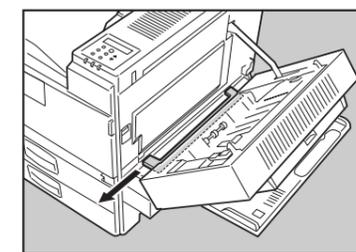
AQV3075

2 Open the bypass tray (1), and then open the duplex unit by pushing the catch upwards (2).



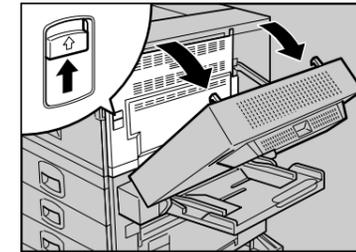
AQV2235

3 Remove the packing material as shown in the illustration.



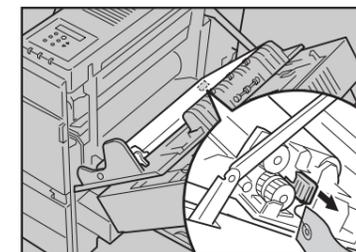
AQV3055

4 Open the right cover by pushing the catch upwards.



AQV2245

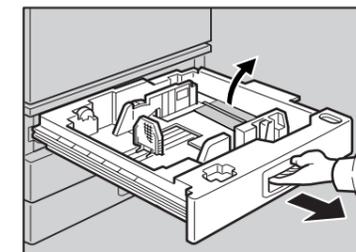
5 There is a red plastic wedge with a red tag attached to it. Remove the wedge from the transfer unit.



AQV3065

6 Close the right cover, the duplex unit and the bypass tray.

7 Slide a paper tray out and remove the packing material. Repeat this steps for all paper trays.



AQV3045

8 Remove the two red stoppers that hold the grips in place, and then pull out the grips from the front side of the printer.

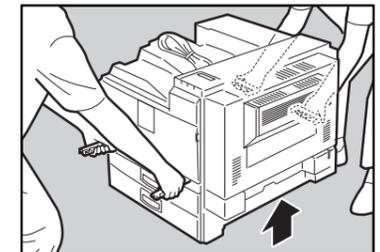


AQV3055

9 Lift the printer and move it to the place where you want to install it. When lifting the printer, use the pullout grips on the front side and the inset grips on the rear side. After that, push the grips into the printer.

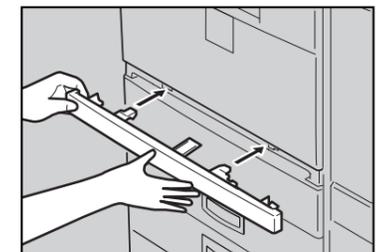
Important

- The printer should be held by at least two people.



AQV0035

10 Take out the cover inside Tray 2 and attach it between the paper tray and the front cover.



AQV0015

To install the PaperFeed Unit PB 3020, see "Attaching PaperFeed Unit PB 3020" in the Hardware Guide.



4 Installing the Toner Cartridge

The following procedure describes how to install the toner cartridge.

⚠ Warning

- Do not incinerate spilled toner or used toner. Toner dust is flammable and might ignite when exposed to an open flame.
- Disposal should take place at an authorized dealer or an appropriate collection site.
- If you dispose of the used toner cartridges yourself, dispose of them according to local regulations.
- Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.

⚠ Caution

- Keep toner (used or unused) and toner containers out of reach of children.
- If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.
- If your skin comes into contact with toner or used toner, wash the affected area thoroughly with soap and water.
- If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.

⚠ Caution

- If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.
- Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.
- If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.

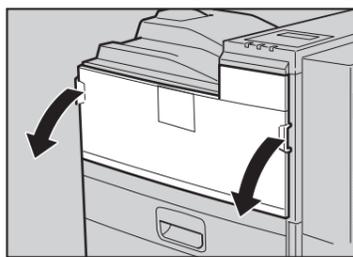
★ Important

- When you first use this printer, use the toner cartridge supplied with the printer.

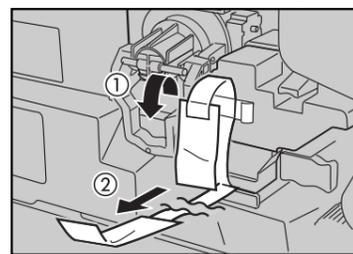
⬇ Note

- The toner cartridge that comes with the printer will allow you to print up to about 30,000 pages. These numbers were obtained from printing A4 5% charts, but the actual number of pages will vary depending on the paper type, size, contents, and settings.
- Toner Cartridge (consumable) is not covered by warranty. However, if there is a problem, contact the dealer where you purchased the printer.
- Toner cartridge mouths may become dirty during quality inspection.

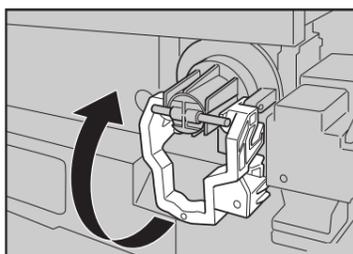
1 Open the front cover.



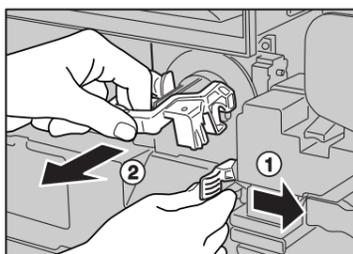
2 Remove the tape with the red tag.



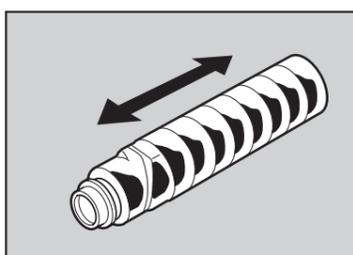
3 Lift the green handle.



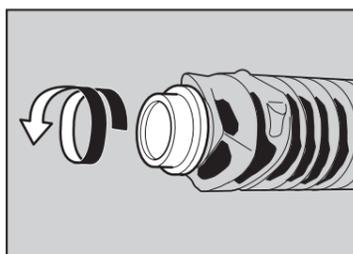
4 While pushing the lever to the right (1), hold the handle and gently slide the toner holder out (2).



5 Move the new toner bottle back and forth about 5 - 6 times as shown in the illustration.



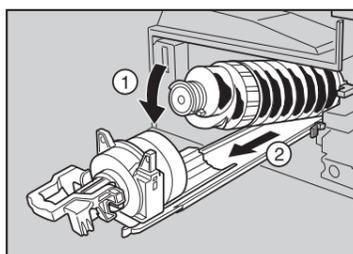
6 Remove the black cap of the new toner bottle by turning it counterclockwise.



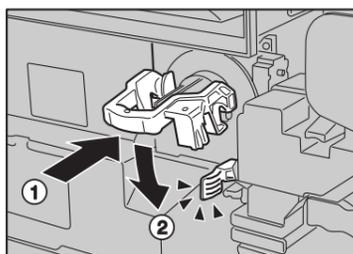
⬇ Note

- After removing the black cap from the bottle, toner can scatter easily. Do not shake or jar the bottle.

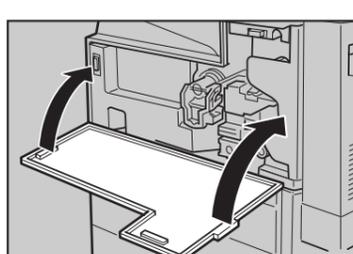
7 Place the toner bottle on the toner holder (1), and then pull its head toward you (2) to lock it in place.



8 Slide the toner holder into the printer until it clicks into place (1), and then push down the green handle (2).



9 Close the front cover.



5 Loading Paper

The following describes how to load paper into the standard paper tray (Tray 1).

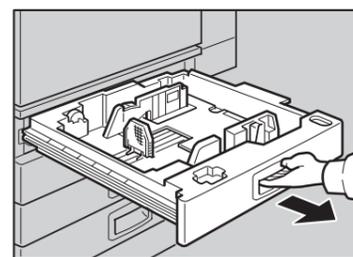
⚠ Caution

- Do not pull out the paper tray forcefully. If you do, the tray might fall and cause an injury.

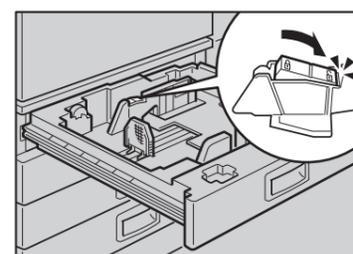
★ Important

- To avoid paper jams, make sure paper is not stacked above the limit mark inside the tray. Misfeeds might occur.
- Do not mix different types of paper in a single paper tray.

1 Slide the paper tray out until it stops.



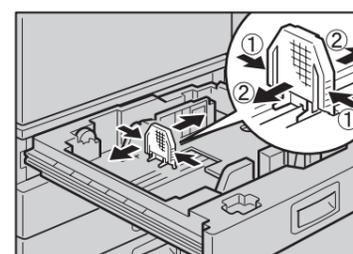
2 Release the side lever to the "unlocked" position.



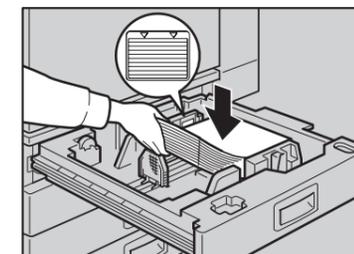
3 While pressing the release lever, adjust the side fences.



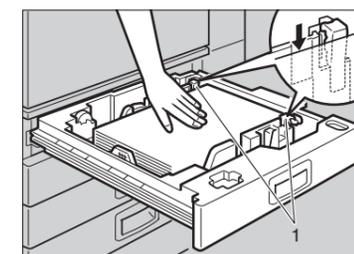
4 Adjust the back guide to the new paper size.



5 Align all four sides of the paper stack and load it into the tray.



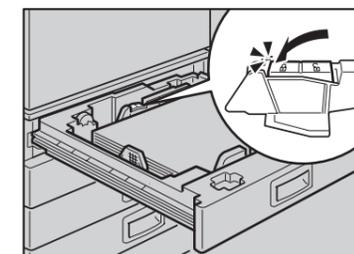
6 After loading, make sure that on either side, the paper does not catch (on 1). Push down the paper stack.



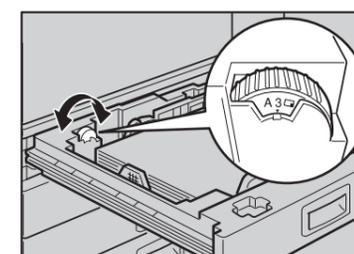
★ Important

- Confirm that the top of the stack is not higher than the limit mark inside the tray.
- To avoid paper skew, confirm that there is no space between the side guides and the paper.

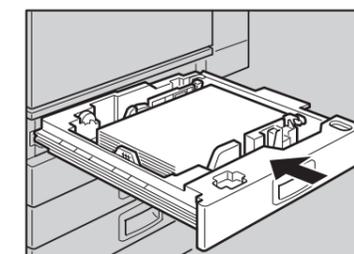
7 Lock the side lever.



8 Adjust the tray size with the paper size selector to the new paper size.



9 Gently push the paper tray in until it stops.



10 Check the paper size shown on the display panel.

★ Important

- Be sure to insert the paper tray completely. Otherwise, paper misfeeds might occur, or the front cover might touch the paper tray.

📖 Reference

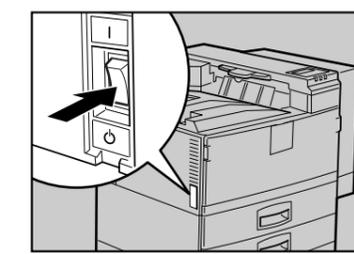
- For details about usable types of paper, see "Loading Paper", Hardware Guide.

6 Connecting the Power Cord

⚠ Caution

- Do not handle the plug with wet hands. Doing this might cause an electric shock.

1 Confirm that the printer power is turned off. If it is on, turn it off.



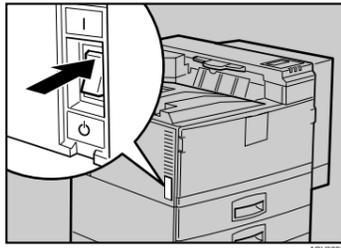
2 Insert the plug of the power cord securely into the wall outlet.

7 Selecting the Panel Display Language

Note

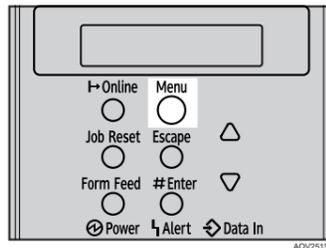
- You can select one of the following languages: English, German, French, Italian, Dutch, Swedish, Norwegian, Danish, Spanish, Finnish, Portuguese, Czech, Polish, or Hungarian.
- The default setting is English.
- If you want to use the English panel display, the following procedure is not necessary.
- The first time you turn the printer on after installation or after replacing the fusing unit, it will make several loud noises. This is due to the fusing unit initializing and is perfectly normal.

1 Turn on the printer power.



After the printer warms up, the ready message appears on the panel display.

2 Press the [Menu] key.



3 Select [Language] using [▼] or [▲], and then press the [# Enter] key.

```
Menu:
Language
```

4 Select the language using [▼] or [▲], and then press the [# Enter] key.

```
Menu:
English
```

The following message appears on the panel display for two seconds, and the panel display automatically returns to the previous menu.

```
Menu:
*French
```

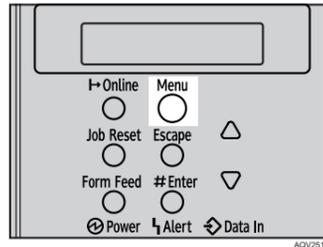
5 Press the [Menu] key to return to the initial screen.

8 Printing the Test Page

You can confirm that the printer works properly by printing a test page (configuration page). However, you cannot check the connection between the printer and your computer by printing the test page.

1 Confirm that the printer power is turned on.

2 Press the [Menu] key.



3 Select [List/Test Print] using [▼] or [▲], and then press the [# Enter] key.

```
Menu:
List/Test Print
```

4 Press the [# Enter] key.

The following message appears on the panel display.

```
List/Test Print:
Config. page
```

5 Press the [# Enter] key.

In a short time, the test printing will start.

Important

- If you cannot complete the test printing correctly, check if an error message appeared on the panel display. For more information on error messages, see "Troubleshooting" in the Hardware Guide.

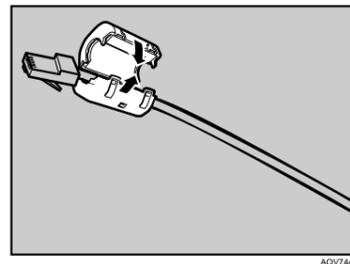
9 Network Connection

Follow the procedure below to connect the printer to the computer through the network. Prepare the hub and other network devices before connecting the 10 BASE-T or 100 BASE-TX cable to the machine's Ethernet port.

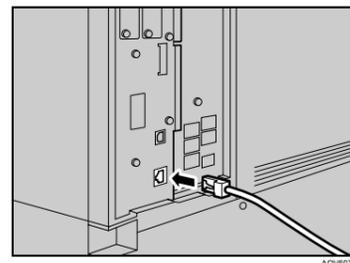
Important

- Use shielded Ethernet cable. Unshielded cables create electromagnetic interference that could cause malfunctions.
- The Ethernet cable is not supplied with this machine. Select your cable according to the network environment.

1 Attach the supplied ferrite core at the printer end of the Ethernet cable.



2 Connect the Ethernet cable to the Ethernet port.



3 Connect the other end of the cable to the printer's network, such as a hub.

Note

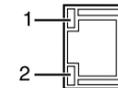
- The printer's ethernet and USB ports are not available when the gigabit ethernet board is attached to the printer.

Reference

- For details about network environment settings, see Software Guide.

Reading the LED Lamps

For standard ethernet port



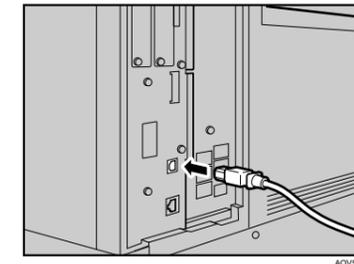
- Green: comes on when the printer is properly connected to the network.
- Yellow: comes on when 100BASE-TX is being used. It comes off when 10BASE-T is being used.

10 USB Connection

Important

- The USB2.0 cable is not supplied. Obtain a cable that is suitable for the computer you are using.
- USB connection is possible under Windows Me/2000/XP, Windows Server 2003, Mac OS 9.x, and Mac OS X.
- Windows Me supports USB1.1 speeds.
- USB connection with Macintosh is only possible via the printer's USB port.

1 Connect the square-shaped connector of the USB2.0 cable to the USB port.



2 Connect the opposite end's flat connector to devices such as your computer's USB interface, or a USB hub.

11 Ethernet Configuration

Make the following network settings according to the network interface you are using. You can use SmartDeviceMonitor for Admin or a Web browser to make IP address-related settings in a TCP/IP-capable environment.

Important

- Configure the printer for the network using the control panel.
- The following table shows the control panel settings and their default values. These items appear in the "Host Interface" menu.
- After configuring the network settings, making security settings is recommended. For details, see Note to Administrator.

Setting Name	Value	
DHCP	On	
IPv4 Address	011.022.033.044	
Subnet Mask	000.000.000.000	
Gateway Address	000.000.000.000	
Frame Type (NW)	Auto	
Active Protocol	IPv4	Active
	IPv6	Active
	NetWare	Active
	SMB	Active
AppleTalk	Active	
Ethernet Speed	Auto	
LAN Type	Auto	

Note

- If Auto Obtain (DHCP) is in use, the IPv4 address, subnet mask, and gateway address are all set automatically.
- Make this setting only when it is necessary. See Software Guide.

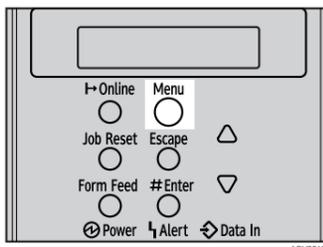
Using DHCP

Important

- When you use this printer in DHCP environment, select [DHCP] following this procedure.
- When [DHCP] is selected, you cannot make settings for the following items:
 - IP Address
 - Subnet Mask
 - Gateway Address
- Consult your network administrator for information about making network settings.



1 Press the **[Menu]** key.



2 Select **[Host Interface]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Menu:
Host Interface
```

3 Select **[Network setup]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Host Interface:
Network Setup
```

4 Select **[IPv4 Settings]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Network Setup:
IPv4 Settings
```

5 Select **[DHCP]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
IPv4 Settings:
DHCP
```

6 Select **[On]** or **[Off]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
DHCP:
*On
```

7 Press the **[Menu]** key to return to the initial screen.

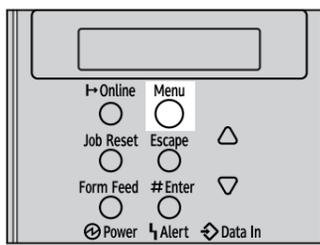
8 Print a configuration page to confirm the settings made.

Reference

- For details about printing the configuration page, see "Printing the Test Page".

Specifying a Network Address

1 Press the **[Menu]** key.



2 Select **[Host Interface]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Menu:
Host Interface
```

3 Select **[Network setup]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Host Interface:
Network Setup
```

4 Select **[Active Protocol]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Network Setup:
Active Protocol
```

5 Select the network protocol using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Active Protocol:
IPv4
```

6 Select **[Active]** or **[Not Active]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
IPv4:
*Active
```

Set other protocols you need to set in the same way.

- Select **[Not Active]** for unused protocols.
- Enable IPv4 to use the Pure IPv4 environment of NetWare 5/5.1, NetWare 6/6.5.

7 Press the **[Escape]** key until the screen returns to the **[Network Setup]** menu.

8 If you use IPv4, assign the IPv4 address to the printer. Select **[IPv4 Settings]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
Network Setup:
IPv4 Settings
```

To get the IPv4 address for the printer, contact your network administrator.

9 To specify the IPv4 Address, select **[IP v4 Address]** using **[▼]** or **[▲]**, and then press the **[# Enter]** key.

```
IPv4 Settings:
IPv4 Address
```

10 Enter the address using **[▼]** or **[▲]**, and then press the **[# Enter]** key. Settings made.

```
IPv4 Address:
192. 0. 0. 0
```

Press the **[▼]** or **[▲]** key to enter the left most entry field of the address. After entering the left field, press the **[# Enter]** key, and then you can enter the next field. After completing to enter in the all fields, press the **[# Enter]** key. Use this method to assign Subnet Mask and Gateway Address.

- Do not set "011.022.033.044" as the IPv4 address.
- The value moves by 10 if the **[▼]** or **[▲]** key is kept pressed.
- Set Subnet Mask and the Gateway address in the same way.

11 Press the **[Menu]** key to return to the initial screen.

12 Print a configuration page to confirm the settings made.

Reference

- For details about printing the configuration page, see "Printing the Test Page".

12 Installing the Printer Driver

You can install the printer drivers and software easily from the CD-ROM labeled "Printer Drivers and Utilities".

Click **[Quick Install]** in the window of the CD-ROM to install PCL and RPCS printer drivers. To install the PostScript 3 printer driver, click the **[PostScript 3 Printer Driver]** button. For more information about the PostScript 3 printer driver, see Software Guide.

When the TCP/IP protocol is used, SmartDevice Monitor for Client will be installed as well.

When using with TCP/IP protocol, confirm the followings:

- The printer is connected to a network with the interface cable.
- The TCP/IP protocol is set.
- The IP (IPv4) address is set for the printer and the computer.

Important

- To install printer driver under Windows 2000/XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrator.
- Only the printer driver, and not the SmartDevice Monitor for Client is installed when using this printer under USB or parallel. If you connect using USB, see Software Guide.

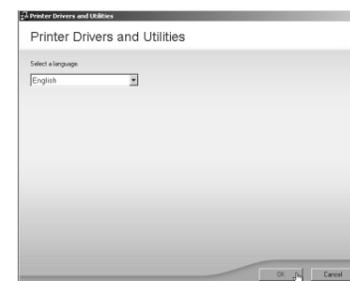
1 Quit all applications currently running.

2 Insert the CD-ROM into the CD-ROM drive.

The installer starts. Auto Run may not work with the certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

3 Select an interface language, and then click **[OK]**.

The default interface language is English.



4 Click **[Quick Install]**.

The software license agreement appears in the **[License Agreement]** dialog box.



This is an example when English is selected in step 3.

5 After reading through all of the contents, click **[I accept the agreement]** to agree with the License Agreement, and then click **[Next >]**.



6 Select the printer model you want to install in the "Select Printer" dialog box.



Note

- For a network connection via TCP/IP, select the printer whose IP address is displayed in **[Connect to]**.
- For parallel connection, select the printer whose printer port is displayed in **[Connect to]**.

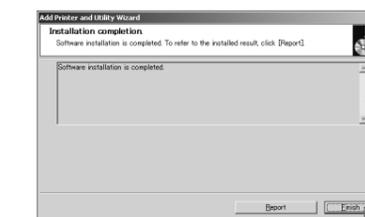
7 Click **[Install]**.

The following display appears while installing the printer driver.



8 Click **[Finish]**.

A message about restarting the computer may appear. Restart the computer to complete installation.



9 Click **[Exit]** in the first dialog box of the installer, and then take out the CD-ROM.



Note

- To stop installation of the selected software, click **[Cancel]** before installation is completed.
- Auto Run may not work with the certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.
- Select a printer to whose IP (IPv4) address is displayed in **[Connect To]** to install SmartDeviceMonitor for Client when using TCP/IP.

Reference

- Quick Install is not available unless bidirectional communication between the printer and computer is enabled via parallel connection. For details about bidirectional communication between printer and computer, see "Printing with Parallel Connection", Software Guide.