

QUICK INSTALLATION GUIDE <G139-8514>

Please read the Safety Information in the Setup Guide before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

1

WHERE TO PUT THE PRINTER

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

Warning

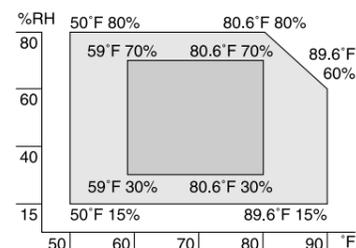
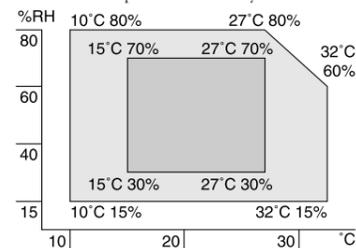
- Confirm that the wall outlet is near the machine and freely accessible, so that in event of an emergency, it can be unplugged easily.
- Only connect the machine to the power source described on this manual.
- Avoid multi-wiring.
- Do not damage, break or make any modifications to the power cord. Do 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.

Optimum Environmental Conditions

Recommended temperature and humidity



Legend: Possible operation range Recommended range
The machine must be level within 5 mm (0.2 inch) both front to rear and left to right.

2

To avoid possible build-up of ozone, place this printer in a large well ventilated room that has an air turnover of more than 30 m³ (183 cubic inch)/hr/person.

If you use this printer in a cold area, leave the printer on or severe cold might damage sensitive components inside the printer.

Depending on the temperature and humidity around the machine, vapor might occur when printing. Thus steam can be seen when prints come out.

Environments to Avoid

Important

- Locations exposed to direct sunlight or strong light
- Dusty areas
- Areas with corrosive gases
- Areas excessively cold, hot, or humid
- Locations near an air conditioner or humidifier
- Locations near other electronic equipment
- Locations where the printer might be subjected to frequent strong vibration

3

Power Connection

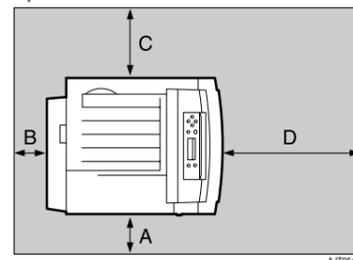
Connect the power cord to a power source with the following specifications:

- 120 V, 60 Hz, 11 A or more

4

Space Required for Installing the Printer

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



- A: 13 cm (5.2 inches) or more
- B: 11 cm (4.4 inches) or more
- C: 35 cm (14.0 inches) or more
- D: 61 cm (24.4 inches) or more

2

UNPACKING THE PRINTER AND CHECKING THE CONTENTS OF THE BOX

Caution

- When lifting the machine, use the inset grips on both sides. The printer could break or cause an injury if dropped.
- Place no objects on the right cover.

1

Check the contents of the box according to the following list. If one or some items are missing, contact your sales or service representative.

Important

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

- Quick Installation Guide (This manual)
- CD-ROM "Printer Drivers and Utilities"
- CD-ROM "Display-Version Manuals (HTML)"
- CD-ROM "Print-Version Manuals (PDF)"
- CD-ROM "Document Management Utility"
- Power Cable
- Toner Cartridge (Black)
- Toner Cartridge (Yellow)
- Toner Cartridge (Cyan)
- Toner Cartridge (Magenta)
- Photo Conductor Unit (Black)
- Photo Conductor Unit (Color)
- Waste Toner Bottle
- Ferrite Core (2)
- Color Calibration Sample Sheet
- Image density adjusting card
- User registration card
- Additional Documentation

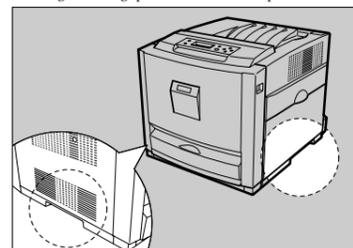
2

Remove the plastic bag.

3

Position the printer where it is to be used. Lifting the printer requires at least two people.

Lift using the inset grips on both sides of the printer.



Important

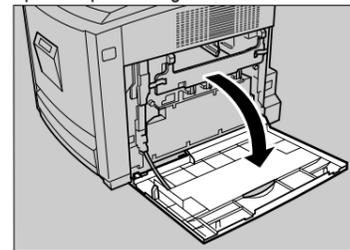
- Leave the tape holding the paper feed tray and cover in place while moving the printer.
- Lower the machine slowly and carefully to prevent trapping your hands.

3

INSTALLING THE WASTE TONER BOTTLE AND PHOTO CONDUCTOR UNIT

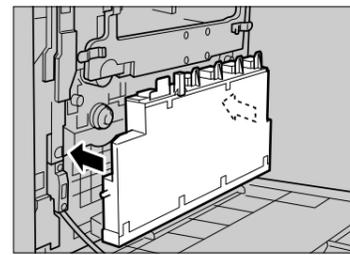
1

Open the printer's right cover.



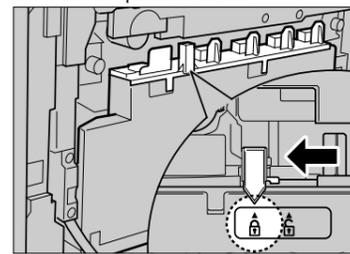
2

Place the waste toner bottle in the position shown in the illustration.



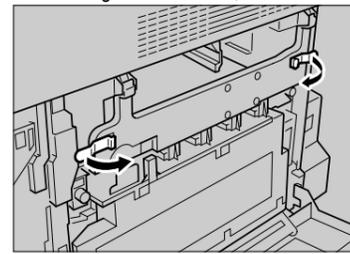
3

Lock the waste toner bottle by sliding the green arrow into the position shown.



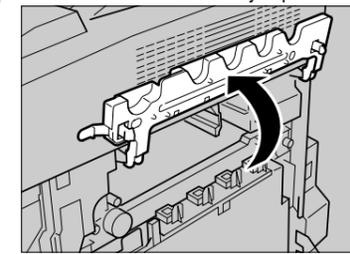
4

Pull out the green levers on the left and right that are securing the inner cover, and then unlock.



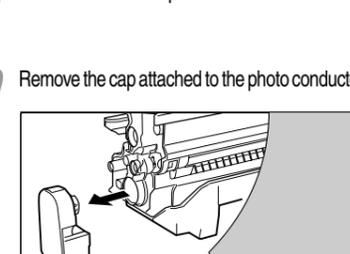
5

Lift the inner cover until it stays up.



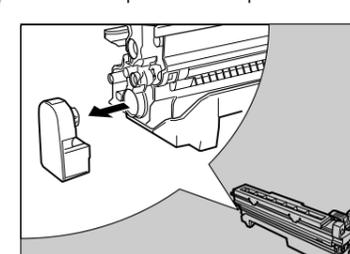
6

Take out the black photo conductor unit.



7

Remove the cap attached to the photo conductor unit.

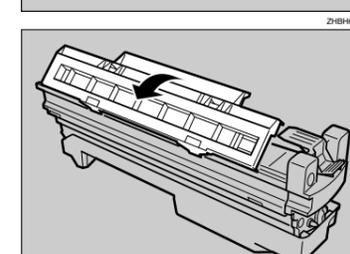
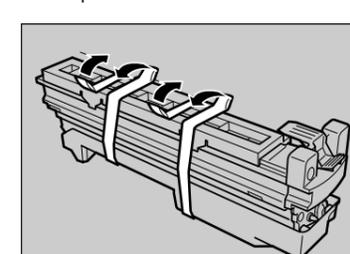


Note

- The cap is no longer needed and should be disposed of.

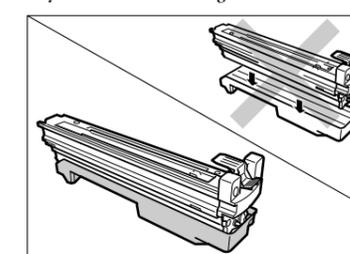
8

Remove the tape from around Photo Conductor Unit by peeling it downward, and then remove unit's top cover.



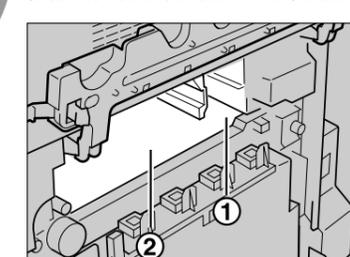
Important

- Do not remove the unit's bottom cover yet.
- Install the new Photo Conductor Unit as soon as you take it out of the bag.



9

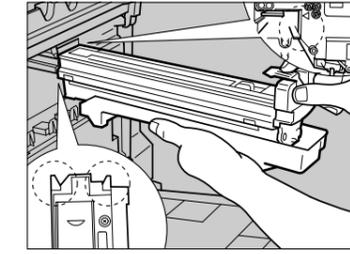
Check the locations for each Photo Conductor Unit.



- ① Photo Conductor Unit (Black)
- ② Photo Conductor Unit (Color)

10

Align the green arrow at the tip of the photo conductor unit with the rail inside the printer.

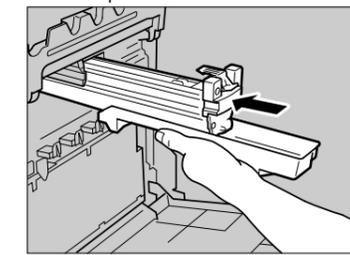


Important

- Make sure the green arrow fits securely on the rail before proceeding to the next step.
- If you do not securely attach the green arrow of the photo conductor unit to the rail, you may damage the photo conductor unit.

11

Push the front of the photo conductor unit carefully in, sliding the unit from its cover, until it clicks into place.



Important

- If the photo conductor unit is not correctly installed, print quality will be lost. For example, certain colors may not print.

4

INSTALLING 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 the toner cartridge 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.
- 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.

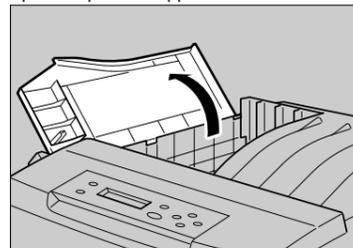
Important

- When you first use this printer, use the four toner cartridges packaged with the printer.

Note

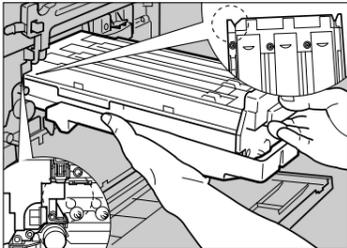
- The toner cartridges that comes with the printer will allow you to print up to about 2,500 pages. These numbers were obtained from printing A4 5% charts, but the actual number of pages will differ depending on the paper type, size, contents and settings.
- Toner Cartridges (consumable) are not covered by warranty. However, if there is problem, contact the store where they were purchased.
- Toner cartridge mouths may be dirtied during quality inspection.

- Open the printer's upper left cover.

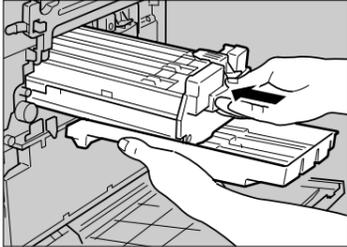


AJT046S

- Repeat steps 8 to 11 to install the color photo conductor unit.

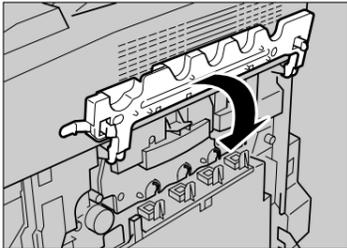


ZH8H380E



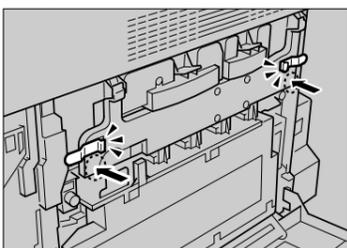
ZH8H400E

- Lower the inner cover carefully.



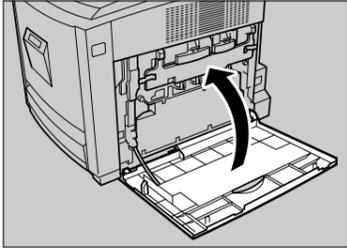
ZH8H410E

- Push the left and right edge of the inner cover to secure it.



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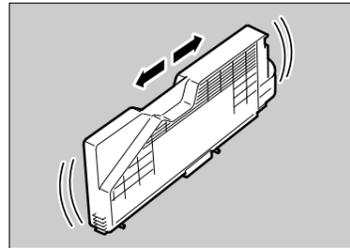
- Close the printer's right cover carefully.



AJT045S

- Take out the toner cartridge.

- Hold the toner cartridge horizontally as illustrated, and then shake it in the plastic bag from side to side about 10 times.

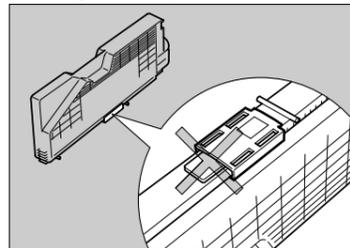


ZH8H440E

In the illustration, black cartridge is used as an example.

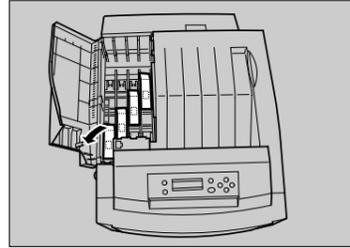
Important

- Do not open the shutter on the bottom of the toner cartridge. Toner may leak.



ZH8H470E

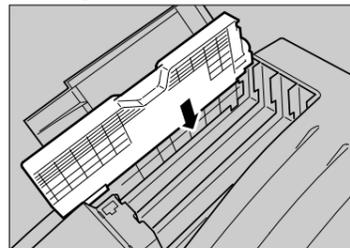
- Remove the adhesive tapes.



AJT040S

- Check the toner color and location are correct, and then carefully insert the toner cartridge vertically.

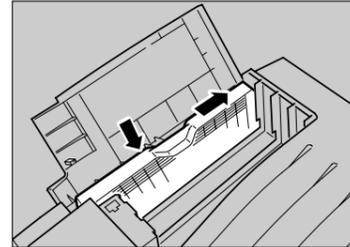
You can check the location for each toner cartridge by reading the labels on the printer.



ZH8H481E

The illustration uses the yellow cartridge as an example.

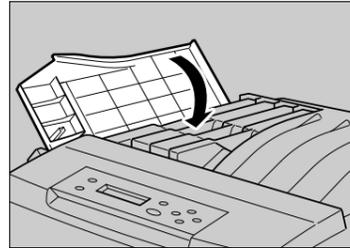
- Push the toner cartridge in the direction of the arrow until it is securely positioned.



ZH8H491E

- Repeat steps 2 to 6, to install the other color toner cartridges.

- Close the printer's upper left cover.



AJT047S

Note

- If the toner cartridge is not set properly, you cannot close the upper left cover.

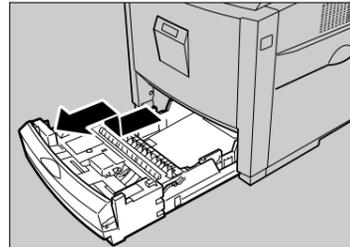
5

LOADING PAPER

Caution

- When pulling the paper tray out, be careful not to pull it strongly. If you do, the tray might fall and cause personal injury.

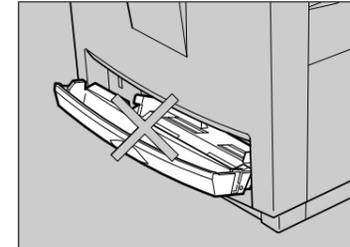
- Pull the paper tray out of the printer until it stops. Lift it slightly, and then pull it fully out. Place the paper tray on a flat surface.



AJT048S

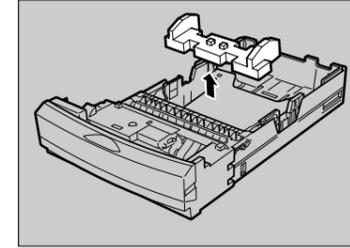
Note

- You cannot pull out Tray 1 if the Bypass Tray is open.



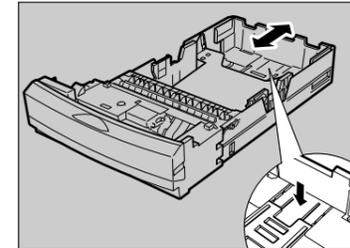
AJT061S

- Remove the adhesive tape and packing material.



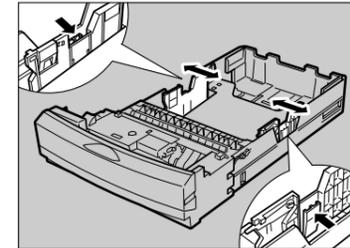
ZH8Y00E

- Press "Push", and then adjust the rear guide to the paper size you want to load.



ZH8Y040E

- Adjust the side guides to the paper size you want to load.



AJT063S

- Load paper print side up in the paper tray.

Important

- Make sure the top of the stack is not higher than the limit mark inside the tray.
- To avoid misfeeds, set the rear and side to the exact paper size.

Slide the paper tray fully into the printer.

6

TURNING THE POWER ON

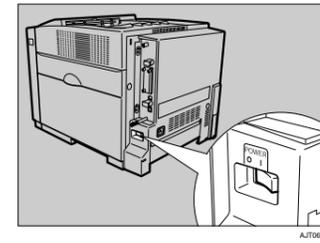
Warning

- Plug and unplug the power cable with dry hands, or an electric shock could occur.

Important

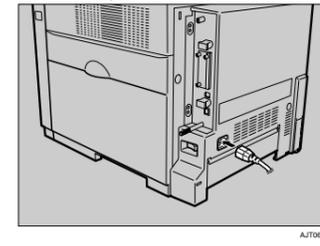
- Be sure to connect the power plug to the socket or the wall outlet firmly.
- The printer power must be off when plugging in and removing the power cord.

- Check the printer's power switch is set to Off. If it is set to On, turn it off.



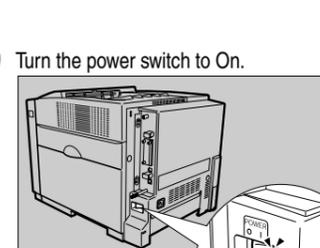
AJT065S

- Attach the power cord to the socket on the back of the printer.



AJT065S

- Plug the other end of the power cord securely into the wall outlet.



AJT065S

The power indicator on the control panel lights.

Note

- Wait until "Ready" appears on the display panel.
- The machine may make a noise while initializing. This noise does not indicate a malfunction.

Important

- Do not turn off the power switch until initializing is completed. Doing so results in malfunction.

Go to sheet 2/2.

7

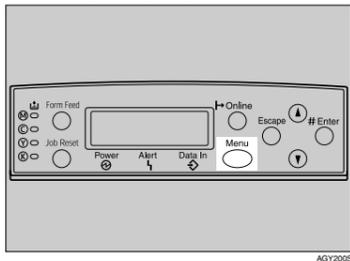
SELECTING THE PANEL DISPLAY LANGUAGE

The message for the selected language will appear on the display. If you want to use the display in English, the following procedures are unnecessary.

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.

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



The [Menu] screen appears on the display.

Menu:
Paper Input

2 Press the **[▲]** or **[▼]** key to display "Language".

Menu:
Language

3 Press the **[# Enter]** key.

The following message appears on the display.

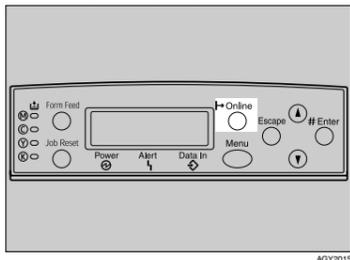
Language:
*English

4 Press the **[▲]** or **[▼]** key until the language you want to select appears.

5 Press the **[# Enter]** key. Wait for two seconds.

The [Menu] screen appears on the display.

6 Press the **[Online]** key.



The initial screen appears.

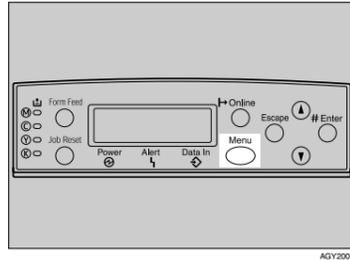
Ready

8

PRINTING THE TEST PAGE

Test print in order to verify that the printer is working normally. Test printing checks printer performance only; it does not test the connection to the computer.

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



The [Menu] screen appears on the display.

Menu:
Paper Input

2 Press the **[▲]** or **[▼]** key to display "List/Test Print", and then press the **[# Enter]** key.

Menu:
List/Test Print

The menu for selecting the contents to be test printed appears.

3 Press the **[▲]** or **[▼]** key to display "Config. Page", and then press the **[# Enter]** key.

List/Test Print:
Config. Page

The following message appears and the configuration page is printed.

Printing...

Note

- If printing is not normal, check to see if an error message appears on the display. If there is an error message, see "Troubleshooting", *Maintenance Guide*.
- For details about the configuration page, see "Interpreting the Configuration Page", *Software Guide*.

4 Press the **[Online]** key.

The initial screen appears.

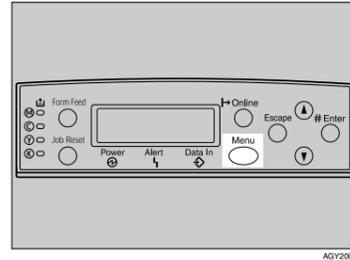
Ready

9

ADJUSTING THE IMAGE DENSITY

To use the printer in its best condition, adjust the image density.

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



The [Menu] screen appears on the display.

Menu:
Paper Input

2 Press the **[▲]** or **[▼]** key to display "Maintenance", and then press the **[# Enter]** key.

Menu:
Maintenance

3 Press the **[▲]** or **[▼]** key to display "Image Density", and then press the **[# Enter]** key.

Maintenance:
Image Density

The following message appears on the display.

Image Density:
Prt. Test Sheet

4 Press the **[# Enter]** key.

The following message appears on the display, and then Press the [# Enter] key.

Prt. Test Sheet:
Press # to Start

Printing...

5 Compare the colors on the printed image density test sheet with those on the Image Density Adjusting Card.

Note

- If the image density of the Image Density Adjusting Card is equal to the framed part of the test sheet, you do not need to adjust the image density value.

6 Press the **[▲]** or **[▼]** key to select the color you want to adjust, and then press the **[# Enter]** key.

Image Density
Black

7 Press the **[▲]** or **[▼]** key to set the image density value, and then press the **[# Enter]** key.

Black
(-10 +10) 0

Note

- You can adjust the image density from -10 to +10. Increasing the value makes the printouts darker and decreasing the value makes the printouts lighter.
- Pressing the **[▲]** or **[▼]** key makes the value increase or decrease by one.

To adjust another color, repeat the steps 6 to 7.

8 Print another image density test sheet and check if the colors on the test sheet now match those on the Image Density Adjusting Card. If they still do not match, adjust the image density again.

9 Press the **[Online]** key.

The initial screen appears.

Ready

10

CONNECTING THE PRINTER TO A COMPUTER

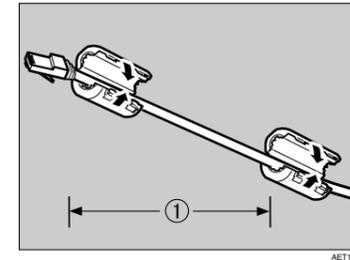
Network Connection

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

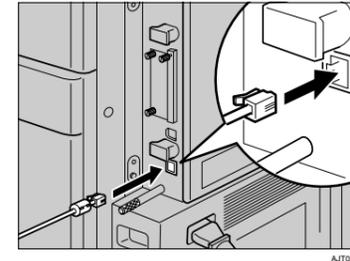
Important

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

1 Attach one ferrite core at the printer end of the Ethernet cable, and then attach the other ferrite core about 10 cm (4 inches) (1) from this core.

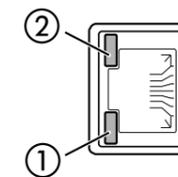


2 Connect the ethernet cable to the ethernet port.



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

4 Confirm the LEDs on the Ethernet port.



① Yellow: lit when 100BASE-TX is being used. Unlit when 10BASE-T is being used.

② Green: lit when the printer is properly connected to the network.

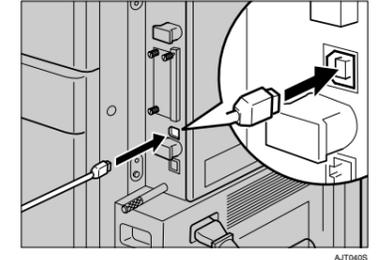
5 Go to 11 "CONFIGURING THE PRINTER FOR THE NETWORK".

USB Connection

Important

- USB2.0 interface cable is not supplied. Obtain it separately, according to the computer you are using.
- USB connection is possible under Windows 98 SE/Me/2000/XP, Windows Server 2003, Mac OS X v10.3.3 or higher.
- Windows 98SE/Me supports USB1.1 speeds.
- Mac OS supports only the standard 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.

Reference

- For details about settings for USB connection printing, see *Software Guide*.

3 Go to 12 "INSTALLING THE PRINTER DRIVER".

Parallel Connection

Important

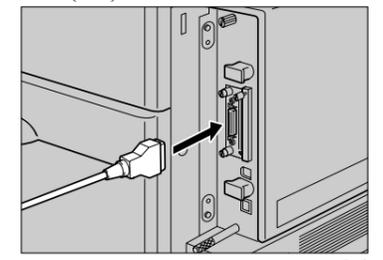
- The parallel interface cable is not provided with the printer.
- The printer's parallel connection is a standard bidirectional interface that requires an IEEE 1284-compliant 36-pin parallel cable and host computer parallel port.
- Use shielded interface cable. Unshielded cables create electromagnetic interference that could cause malfunctions.

1 Turn off the printer and computer.

2 Connect the cable to the interface connector of the IEEE 1284 interface board.

Important

- Voltage rating of the computer's parallel port: DC 5 V (max.)



3 Securely attach the other end of the parallel cable to your computer's parallel port. Secure the cable.

Reference

- For details about settings for parallel connection printing, see *Software Guide*.

4 Go to 12 "INSTALLING THE PRINTER DRIVER".

11

CONFIGURING THE PRINTER FOR THE NETWORK

You must configure the printer setting using the control panel when using in a network environment. The following list is the items you can set and their default settings.

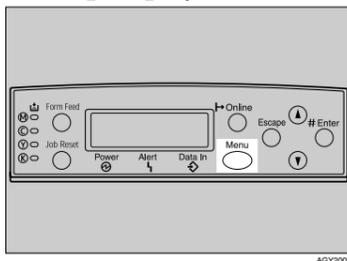
DHCP	On
IP Address	011.022.033.044
Subnet Mask	000.000.000.000
Gateway Address	000.000.000.000
Frame Type (NW)	Auto Select
Active Protocol	TCP/IP, NetWare, SMB, AppleTalk
Ethernet Speed	Auto Select
LAN Type	Ethernet

Note

- If DHCP is in use, "IP Address", "Subnet Mask", and "Gateway Address" are all set automatically.
- Make this setting only when it is necessary. See *Software Guide*.

The procedure below shows how to set the TCP/IP protocol. Make the settings for the other items by taking the same procedure.

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



The [Menu] screen appears on the display.

- 2 Press the **[▲]** or **[▼]** key to display "Host Interface", and then press the **[# Enter]** key.

Menu:
Host Interface

The interface setting menu appears.

- 3 Start the protocol for use.

- 1 Press the **[▲]** or **[▼]** key to display "Network Setup", and then press the **[# Enter]** key.

Host Interface:
Network Setup

- 2 Press the **[▲]** or **[▼]** key to display "Active Protocol", and then press the **[# Enter]** key.

Network Setup:
Active Protocol

- 3 Press the **[▲]** or **[▼]** key to display "TCP/IP", and then press the **[# Enter]** key.

Active Protocol:
TCP/IP

- 4 Press the **[▲]** or **[▼]** key to display "Active", and then press the **[# Enter]** key.

TCP/IP:
*Active

Note

- * shows the current setting.
- In about two seconds, the display returns to the "Active Protocol" setting screen.

- 5 Set the rest of the protocols for use.

- 6 When all settings for the protocol are done, press the **[Escape]** key.

The "Network Setup" setting screen appears.

Note

- The default settings for all of the protocols are "Active".
- It is recommended to set the unused protocols "Not Active".

- 4 When you use this machine under DHCP environment, go to step 8. When you use this machine with a fixed IP address, you must make the setting for the required item after making the setting for DHCP Off. Go to step 5.

Important

- When DHCP is On, you cannot make the setting for the following menus:

IP Address
Subnet Mask
Gateway Address

Note

- Consult the network administrator for information about how to make the setting for the network.

- 5 Make the setting for DHCP Off.

- 1 Press **[▲]** or **[▼]** to display "DHCP", and then press **[# Enter]**.

Network Setup:
DHCP

- 2 Press **[▲]** or **[▼]** to display "Off", and then press **[# Enter]**.

DHCP:
*Off

Note

- * shows the current setting.

In about two seconds, the display returns to the "Network Setup" setting screen.

- 6 Set the IP address for the printer.

Note

- Confirm the IP address to the network administrator.

- 1 Press the **[▲]** or **[▼]** key to display "IP Address", and then press the **[# Enter]** key.

Network Setup:
IP Address

The currently selected IP address appears.

Note

- When the **[# Enter]** key is pressed, the cursor moves to the next field.
- When the **[▲]** or **[▼]** key is kept pressed for a few seconds, the value changes by 10.

- 2 Press the **[▲]** or **[▼]** key to set the value for the field.

IP Address:
199.022.033.044

- 3 Press the **[# Enter]** key.

The cursor moves to the next field.

- 4 Repeat 2 and 3 to set the value for the rest of the fields.

- 7 Set "Subnet Mask" and "Gateway Address" by following the same procedure for setting the IP address.

Important

- The subnet mask is the mask value to use a part of the IP address as a network address. Confirm the value to the network administrator.
- The gateway address is the address of the host or router that acts as a gateway when interacting with work stations in another network. Confirm the value to the network administrator.

Note

- If you are not sure of the setting addresses, leave them as default.

- 8 When all of the settings are done, press the **[Online]** key.

The initial screen appears.

Ready

- 9 Print the configuration page to confirm the settings made.

See 8 "PRINTING THE TEST PAGE" for printing the configuration 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* on the CD-ROM labeled "Display-Version Manuals (HTML)" or "Print-Version Manuals (PDF)" depending on the environment you use in.

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 network interface cable.
- The TCP/IP protocol is set.
- The IP 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 SmartDeviceMonitor for Client is installed when using this printer under USB, parallel, or IEEE1394 connection. 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.

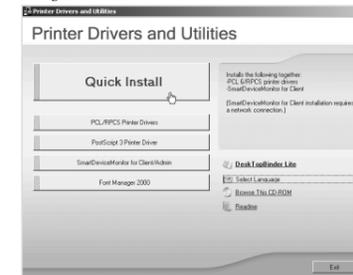
- 3 Select an interface language, and then click **[OK]**.
Cestina (Czech), Dansk (Danish), Deutsch (German), English (English), Espanol (Spanish), Francais (French), Italiano (Italian), Magyar (Hungarian), Nederlands (Dutch), Norsk (Norwegian), Polski (Polish), Portugues (Portuguese), Suomi (Finnish), Svenska (Swedish)

The default interface language is English.



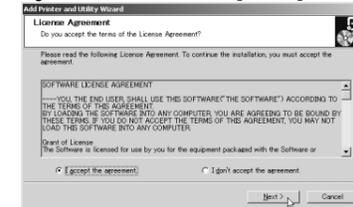
- 4 Click **[Quick Install]**.

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]**.

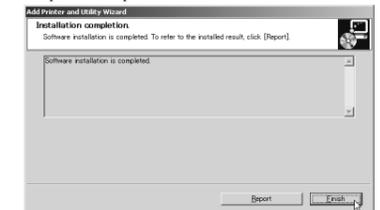
- 7 Click **[Install]**.

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 complete.
- 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 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 "Install SmartDeviceMonitor for Client from the CD-ROM provided.", *Software Guide*.