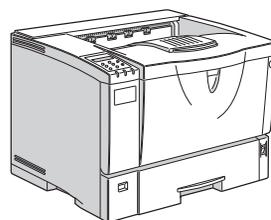




# Aficio AP600LU

## Operating Instructions Setup Guide



- 
- 1 Getting Started
  - 2 Setting Up the Printer
  - 3 Installing the Printer Driver

## Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

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

## Power Source

220 - 240V, 50/60Hz, 4.5A or more

Please be sure to connect the power cable to a power source as shown above.

Two kinds of size notation are employed in this manual. With this machine refer to the metric version.

## Operator Safety:

This machine is considered a class 1 laser device, safe for office/EDP use. The machine contains 5 milliwatt, 760 - 800 nanometer wavelength, AlGaAs Laser Diode. Direct (or indirect reflected) eye contact with the laser beam might cause serious eye damage. Safety precautions and interlock mechanisms have been designed to prevent any possible laser beam exposure to the operator.

The following label is attached behind the front cover, left side, front facing.



## Laser Safety:

The optical housing unit can only be repaired in a factory or at a location with the requisite equipment.

The laser subsystem is replaceable in the field by a qualified customer engineer. The laser chassis is not repairable in the field. Customer engineers are therefore directed to return all chassis and laser subsystems to the factory or service depot when replacement of the optical subsystem is required.

## Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

## Caution:

Use of controls or adjustments or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Do not attempt any maintenance or troubleshooting other than that mentioned in this manual. This printer contains a laser beam generator and direct exposure to laser beams can cause permanent eye damage.

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

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

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

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

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

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

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

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# Trademarks

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PCL is a registered trademark of Hewlett-Packard Company.

Other product names used herein are for identification purposes only and might be trademarks of their respective companies. We disclaim any and all rights to those marks.

- The product names of Windows 2000 are as follows:
  - Microsoft® Windows® 2000 Professional
  - Microsoft® Windows® 2000 Server
  - Microsoft® Windows® 2000 Advanced Server
  - Microsoft® Windows® 2000 Datacenter Server
- The product names of Windows XP are as follows:
  - Microsoft® Windows® XP Professional
  - Microsoft® Windows® XP Home Edition
  - Microsoft® Windows® XP Media Center Edition
  - Microsoft® Windows® XP Tablet PC Edition
  - Microsoft® Windows® XP Professional x 64 Edition
- The product names of Windows Vista are as follows:
  - Microsoft® Windows Vista® Ultimate
  - Microsoft® Windows Vista® Business
  - Microsoft® Windows Vista® Home Premium
  - Microsoft® Windows Vista® Home Basic
  - Microsoft® Windows Vista® Enterprise
- The product names of Windows 7 are as follows:
  - Microsoft® Windows® 7 Starter
  - Microsoft® Windows® 7 Home Premium
  - Microsoft® Windows® 7 Professional
  - Microsoft® Windows® 7 Ultimate
  - Microsoft® Windows® 7 Enterprise
- The product names of Windows Server 2003 are as follows:
  - Microsoft® Windows Server® 2003 Standard Edition
  - Microsoft® Windows Server® 2003 Enterprise Edition
  - Microsoft® Windows Server® 2003 Web Edition

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Microsoft® Windows Server® 2003 Datacenter Edition

- The product names of Windows Server 2003 R2 are as follows:

Microsoft® Windows Server® 2003 R2 Standard Edition

Microsoft® Windows Server® 2003 R2 Enterprise Edition

Microsoft® Windows Server® 2003 R2 Datacenter Edition

- The product names of Windows Server 2008 are as follows:

Microsoft® Windows Server® 2008 Foundation

Microsoft® Windows Server® 2008 Standard

Microsoft® Windows Server® 2008 Enterprise

Microsoft® Windows Server® 2008 Datacenter

Microsoft® Windows Server® 2008 for Itanium-based Systems

Microsoft® Windows Server® Web Server 2008

Microsoft® Windows Server® HPC Server 2008

Microsoft® Windows Server® 2008 Standard without Hyper-V™

Microsoft® Windows Server® 2008 Enterprise without Hyper-V™

Microsoft® Windows Server® 2008 Datacenter without Hyper-V™

- The product names of Windows Server 2008 R2 are as follows:

Microsoft® Windows Server® 2008 R2 Foundation

Microsoft® Windows Server® 2008 R2 Standard

Microsoft® Windows Server® 2008 R2 Enterprise

Microsoft® Windows Server® 2008 R2 Datacenter

Microsoft® Windows Server® 2008 R2 for Itanium-based Systems

Microsoft® Windows Server® Web Server R2 2008

Microsoft® Windows Server® HPC Server R2 2008

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## Notes:

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

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

---

# Safety Information

When using your printer, the following safety precautions should always be followed.

---

## Safety During Operation

---

In this manual, the following important symbols are used:

### **WARNING**

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

### **CAUTION**

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

---

## Safety Precautions to Be Followed

---

This section explains safety precautions that should always be followed when using this printer.

### **WARNING**

- Do not use extension cords. Doing so could result in fire or electric shock.

### **WARNING**

- Do not remove any covers or screws other than those explicitly mentioned in this manual. Inside this machine are high voltage components that are an electric shock hazard and laser components that could cause blindness. Contact your sales or service representative if any of the machine's internal components require maintenance, adjustment, or repair.
- Do not attempt to disassemble or modify this machine. Doing so risks burns and electric shock. Note again that exposure to the laser components inside this machine risks blindness.

### **WARNING**

- If the machine topples, or if a cover or other part gets broken, you must turn the power switch to off and disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.

---

**⚠ WARNING**

- If metal objects, or water or other fluids fall inside this machine, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.

**⚠ WARNING**

- Do not incinerate toner (new or used) or toner containers. Doing so risks burns. Toner will ignite on contact with naked flame.

**⚠ WARNING**

- Be sure to locate the machine as close as possible to a wall outlet. This will allow easy disconnection of the power cord in the event of an emergency.

**⚠ WARNING**

- Do not use any power sources other than those that match the specifications shown in this manual. Doing so could result in fire or electric shock.

**⚠ WARNING**

- Do not use multi-socket adaptors. Doing so could result in fire or electric shock.

**⚠ WARNING**

- Do not use power cords that are damaged, broken, or modified. Also, do not use power cords that have been trapped under heavy objects, pulled hard, or bent severely. Doing so could result in fire or electric shock.

**⚠ WARNING**

- It is dangerous to handle the power cord plug with wet hands. Doing so could result in electric shock.

**⚠ WARNING**

- The inside of the machine could be very hot. Do not touch the parts with a label indicating the "hot surface." Otherwise, an injury might occur.

**⚠ WARNING**

- Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.

---

## **WARNING**

- Disposal can take place at our authorized dealer.

## **WARNING**

- Dispose of the used toner cartridge in accordance with the local regulations.

## **CAUTION**

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.

## **CAUTION**

- Unplug the power cord from the wall outlet before you move the machine. While moving the machine, take care that the power cord is not damaged under the machine. Failing to take these precautions could result in fire or electric shock.

## **CAUTION**

- When disconnecting the power cord from the wall outlet, always pull the plug, not the cord. Pulling the cord can damage the power cord. Use of damaged power cords could result in fire or electric shock.

## **CAUTION**

- Store toner (new or used), toner containers, and components that have been in contact with toner out of reach of children.

## **CAUTION**

- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.

## **CAUTION**

- Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

## **CAUTION**

- If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.

## **CAUTION**

- Do not allow paper clips, staples, or other small metallic objects to fall inside the machine.

## ⚠ CAUTION

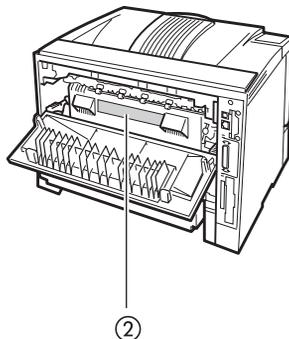
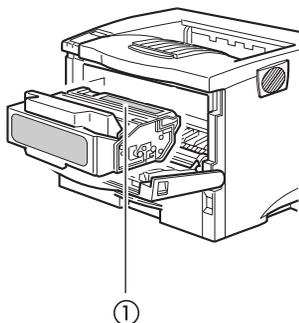
- For environmental reasons, do not dispose of the machine or expended supply waste at household waste collection points. Disposal can take place at an authorized dealer.

## ⚠ CAUTION

- Our products are engineered to meet high standards of quality and functionality, and we recommend that you use only the expendable supplies available at an authorized dealer.

### Positions of Labels and Hallmarks for ⚠ WARNING and ⚠ CAUTION

This machine has labels for ⚠ WARNING and ⚠ CAUTION at the positions shown below. For safety, please follow the instructions and handle the machine as indicated.



CDY001

1.

 <p><b>WARNING</b> <b>ATTENTION</b> <b>WARNUNG</b> <b>AVVISO</b> <b>AVISO</b> <b>ADVERTENCIA</b> 警告</p>		<p>Do not incinerate toner or toner containers. Toner dust may cause flashback when exposed to an open flame.</p>	<p>Do not incinerate toner or toner containers. Toner dust may cause flashback when exposed to an open flame.</p>
		<p>● Non gettare il toner o i contenitori del toner sul fuoco. La polvere del toner si può incendiare dalla fiamma.</p>	<p>● Não exponha o Toner ou a sua embalagem ao fogo. O pó de Toner poderá explodir quando exposto a chama viva.</p>

2.

	<p><b>CAUTION</b> <b>ACHTUNG</b> <b>ATTENTION</b> <b>PRECAUCIÓN</b> <b>ATTENZIONE</b> <b>高温注意</b></p>		<p>●High temperature.</p>	<p>●Alta temperatura.</p>
			<p>●Hohe Temperatur.</p>	<p>●Temperatura elevada.</p>

## Description of electronic information product pollution control

### 1 Description of name of harmful toxic substances or elements that may be included.

Product name: Aficio AP600LU

Machine	Harmful toxic substances or elements					
Unit name	Lead(Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium hexavalent (Cr (VI) )	Polybrominated biphenyl (PBB)	Polybrominated diphenyl ether (PBDE)
1 Structure/ Drive	×	○	○	○	○	○
2 Exterior	○	○	○	○	○	○
3 Operation	×	○	○	○	○	○
4 Read/ Write	×	○	○	○	○	○
5 Development	×	○	○	○	○	○
6 Fusing	×	○	○	○	○	○
7 Paper feed	×	○	○	○	○	○
8 Electrical installations	×	○	○	○	○	○
9 Document feed	-	-	-	-	-	-
10 Bundled item/ Others	×	○	○	○	○	○

11 Packing	○	○	○	○	○	○
------------	---	---	---	---	---	---

**Remarks**

- : It indicates that the amount of harmful toxic substances in all homogeneous materials of relevant parts is below the requirement of the limited amount specified by SJ/T11363-2006 standard.
- ×: It indicates that the amount of harmful toxic substances in at least one kind of homogeneous material of relevant parts is above the requirement of the limited amount specified by SJ/T11363-2006 standard.

**Environmental protection expiration date for use**

China only. Environmental protection expiration date



This mark indicates environmental protection expiration date for use that is applied to electronic information product sold in China.

As long as you follow the safety instructions and precautions for use of this product, it will not cause environmental pollution nor cause serious harm to the human body or properties, within this term reckoned from the manufacturing date. This term is derived based on the safety use expiration law.

**Title 2**

- List 1 (\*1)
- List 2
- List 3
- List 4 (\*2)
- List 5

\*1 Annotation 1

\*2 Annotation 2

---

# Energy Saving Function

## Energy Saver mode

This printer automatically lowers its power consumption 1 minute after the last operation has been completed. To exit Energy Saver mode, press any key on the control panel. To change the setting of the Energy Saver mode, see "System Menu" in the Printer Reference on the CD-ROM.

## Specifications

Energy Saver mode	Power Consumption	With Options: 10.5 W or less Printer Only: 6.5 W
	Default Time	1 minute

---

# Manuals for This Printer

---

## Manuals for This Printer

---

The following manuals describe the operational procedures and maintenance of this machine.

To enhance safe and efficient operation of this printer, all users should read and follow the instructions carefully.

### **Setup Guide (this manual)**

Provides information about setting up the printer. This manual is provided as a printed manual.

### **Printer Reference**

Provides information about using the printer. This manual is provided on the CD-ROM.

### **Notes for Users**

Explains the additional information provided for the manual included with this printer.

#### **Note**

- There is a CD-ROM that comes with this printer.

---

# How to Read This Manual

---

## Symbols

---

In this manual, the following symbols are used:

 **Important**

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

 **Note**

This symbol indicates precautions for operation, or actions to take after misoperation.

 **Reference**

This symbol indicates a reference.

**[ ]**

Indicates the names of keys on the machine's display or control panels.



# 1. Getting Started

## Printer Driver for This Printer

1

Printing requires installation of a printer driver for your operating system. The PCL 6 driver is included on the CD-ROM that comes with this printer.

### PCL printer drivers

This printer driver allows the computer to communicate with the printer via a printer language.

### Supported Operating System

The PCL 6 printer driver is supported by the following OS versions.

- Windows 2000  
Windows 2000 Professional, Windows 2000 Server, Windows 2000 Advanced Server
- Windows XP  
Windows XP Home Edition, Windows XP Professional Edition, Windows XP Media Center Edition, Windows XP Tablet PC Edition, Windows XP Professional x64 Edition
- Windows Vista  
Windows Vista Home Basic, Windows Vista Home Premium, Windows Vista Business, Windows Vista Enterprise, Windows Vista Ultimate
- Windows 7  
Windows 7 Home Premium, Windows 7 Professional, Windows 7 Enterprise, Windows 7 Ultimate
- Windows Server 2003/2003 R2  
Windows Server 2003 Standard Edition, Windows Server 2003 Enterprise Edition, Windows Server 2003 Standard x64 Edition, Windows Server 2003 Enterprise x64 Edition, Windows Server 2003 R2 Standard Edition, Windows Server 2003 R2 Enterprise Edition, Windows Server 2003 R2 Standard x 64 Edition, Windows Server 2003 R2 Enterprise x64 Edition
- Windows Server 2008/2008 R2  
Windows Server 2008 Standard, Windows Server 2008 Enterprise, Windows Server 2008 Standard without Hyper-V, Windows Server 2008 Enterprise without Hyper-V, Windows Server 2008 R2 Standard, Windows Server 2008 R2 Enterprise

# Software Included on the CD-ROM

This section explains how to view the contents of the CD-ROM.

1

---

## Viewing the Contents of the CD-ROM

---

**1. Insert the CD-ROM into the CD-ROM drive.**

Auto Run will start the installer.

**2. Select a language, and then click [OK].**

**3. Click [Browse This CD-ROM].**

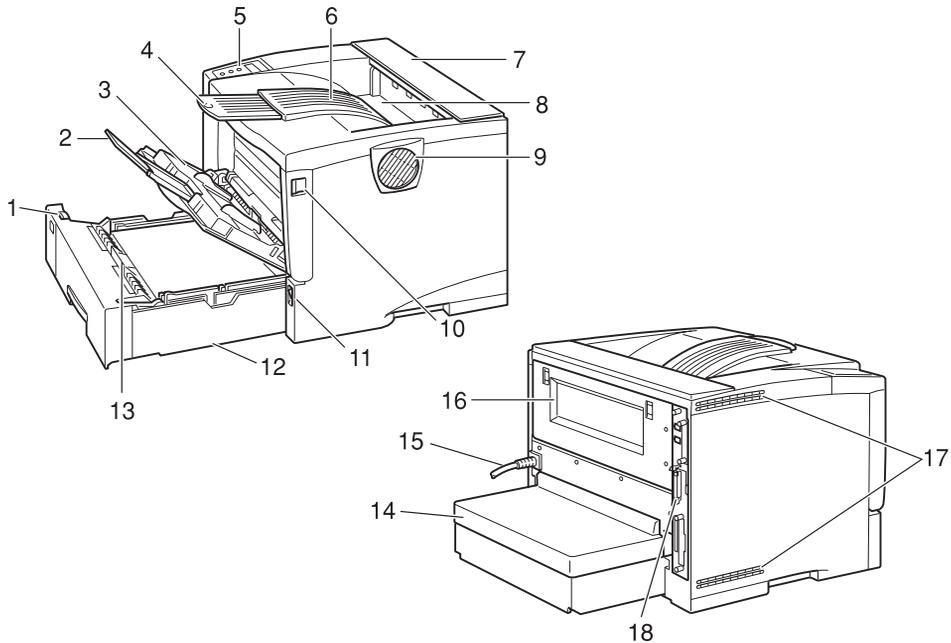
Explorer starts and displays the contents of the CD-ROM.

# Guide to This Printer

## Mainframe

1

### Exterior



CDY004

#### 1. Paper Size Dial

Adjust this dial to match the size and feed direction of the paper loaded in the paper tray.

#### 2. Bypass Tray Extension

Pull out this extension to load paper into the Bypass Tray when its length is longer than A4  $\square$  or  $8\frac{1}{2}'' \times 11'' \square$ .

#### 3. Bypass Tray

Use to print onto thick paper, OHP transparencies, adhesive labels, custom size paper, envelopes as well as plain paper. When printing on custom paper size, printer driver settings are required.

Up to 100 sheets of plain paper (80 g/m<sup>2</sup>, 20 lb.bond) can be loaded. See "Paper and Other Media Supported by this Printer" and "Loading Paper in the Bypass Tray" in the Printer Reference on the CD-ROM.

#### 4. Output Tray Extension

Pull out this extension when printing on long paper.

#### 5. Control Panel

Contains keys for the printer operation and a panel display that shows the printer status.

**6. Output Tray (Standard Tray)**

Printed output is stacked here with the print side facing down.

**7. Upper Cover**

**8. Paper Exit Cover**

Open this cover to remove misfed paper.

**9. Ventilator**

This hole helps to keep components inside the printer from overheating.

**★ Important**

- Do not block or obstruct the ventilator. A malfunction may occur due to overheating.

**10. Front Cover Release Button**

Use this button to open the front cover.

**11. Power Switch**

Use this switch to turn the printer power on and off.

**12. Paper Tray (Tray 1)**

Loads up to 500 sheets of plain paper (80 g/m<sup>2</sup>, 20 lb.bond) into this tray for printing. See "Paper and Other Media Supported by this Printer" in the Printer Reference on the CD-ROM.

**↓ Note**

- Paper Tray is displayed "Tray 1" on the panel display.

**13. Friction Pad**

This is required to feed in paper one sheet at a time. Clean the friction pad when more than one sheet of paper is fed into the printer. Also, replace the friction pad when the message, "Replace Maintenance Kit", appears.

**14. Paper Tray Cover**

Attach it when pulling out the tray extension of the paper tray.

**15. Power Cord**

Plug this cord into a wall outlet.

**16. Rear Cover**

Remove to install the optional Duplex Unit or to replace the Fusing Unit.

**17. Ventilators**

These holes help to keep components inside the printer from overheating.

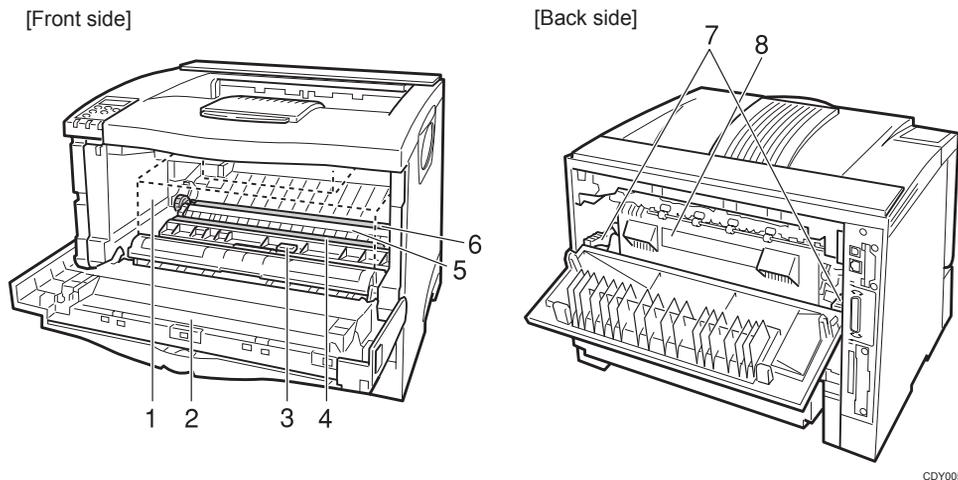
**★ Important**

- Do not block or obstruct the ventilators. A malfunction may occur due to overheating.

**18. Interface Connector**

Attach the interface cable.

## Interior



CDY005

### 1. Toner Cartridge

Includes toner and a photo conductor unit.

When "Replace Toner Cartridge" appears on the panel display, replace this unit.

### 2. Front Cover

Open this cover when accessing the inside of the printer.

### 3. Guide Board

Open this board to remove misfed paper.

### 4. Registration Roller

Feeds the paper. If it becomes dirty, clean it.

See "Cleaning the Registration Roller" in the Printer Reference on the CD-ROM.

### 5. Transfer Roller Cover

Open this cover when replacing a transfer roller.

### 6. Transfer Roller

When "Replace Maintenance Kit" appears on the panel display, replace this roller.

### 7. Fusing Unit Lock Levers

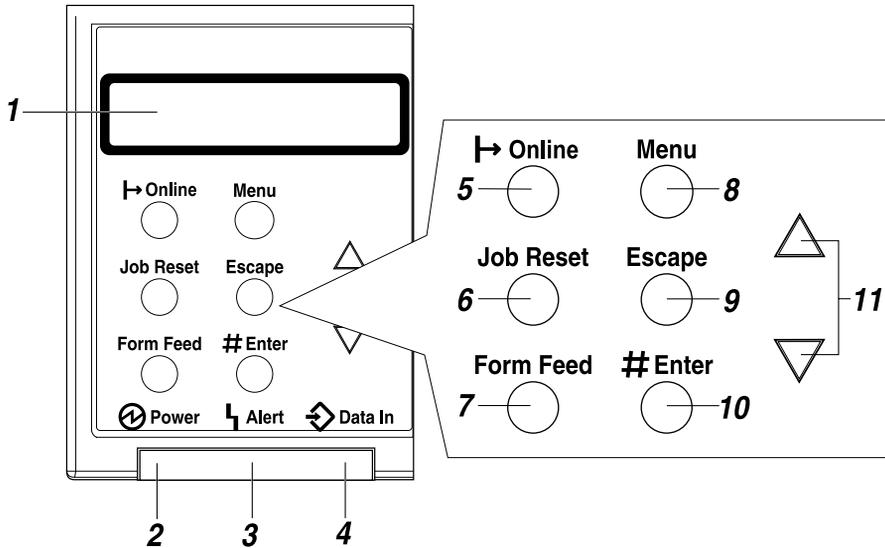
Lift these levers when replacing the fusing unit.

### 8. Fusing Unit

Fuses the image onto paper.

When "Replace Maintenance Kit" appears on the panel display, replace this unit.

## Control Panel



AGN502S

### 1. Panel display

Shows the current status of the printer and error messages.

See "Error & Status Messages on the Control Panel" in the Printer Reference on the CD-ROM.

### 2. Power indicator

Is on while the printer power is on.

Is off when the power is turned off or while the printer is in Energy Saver mode.

### 3. Error indicator

Blinks or lights up whenever any printer error occurs. A message describing the cause of the error also appears on the panel display.

See "Error & Status Messages on the Control Panel" in the Printer Reference on the CD-ROM.

### 4. Data In indicator

Blinks while the printer is receiving data from a computer.

Is on if there is data to be printed.

### 5. [On Line] key

Press this key to switch the printer between online and offline.

### 6. [Job Reset] key

When the printer is online, press this key to cancel any ongoing print job.

See "Canceling a Print job" in the Printer Reference on the CD-ROM.

### 7. [Form Feed] key

If the printer is offline, press this key to print all the data left in the printer's input buffer.

**Note**

- This does not work if the printer is online.

**8. [Menu] key**

Press this key to make and check the current printer settings.

See "Making Printer Settings with the Control Panel" in the Printer Reference on the CD-ROM.

**9. [Escape] key**

Press this key to return to the previous condition on the panel display.

**10. [# Enter] key**

Press this key to execute menu items selected on the panel display.

Press this key to clear some errors.

See "Troubleshooting" in the Printer Reference on the CD-ROM.

**11. [▲] [▼] keys**

Use these keys to increase or decrease values on the panel display when making settings.



## 2. Setting Up the Printer

---

### Where to Put the Printer

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

#### **WARNING**

- Be sure to locate the machine as close as possible to a wall outlet. This will allow easy disconnection of the power cord in the event of an emergency.

#### **WARNING**

- Do not use any power sources other than those that match the specifications shown in this manual. Doing so could result in fire or electric shock.

#### **WARNING**

- Do not use multi-socket adaptors. Doing so could result in fire or electric shock.

#### **WARNING**

- Do not use power cords that are damaged, broken, or modified. Also, do not use power cords that have been trapped under heavy objects, pulled hard, or bent severely. Doing so could result in fire or electric shock.

#### **CAUTION**

- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.

#### **CAUTION**

- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.

#### **CAUTION**

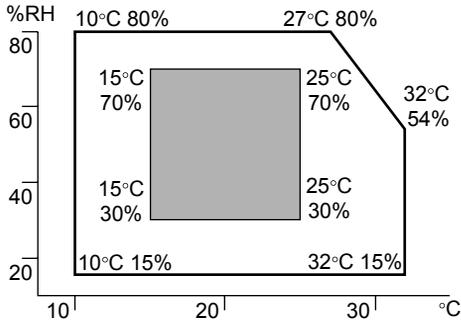
- Make sure the room where you are using the machine is well ventilated and spacious. Good ventilation is especially important when the machine is used heavily.

---

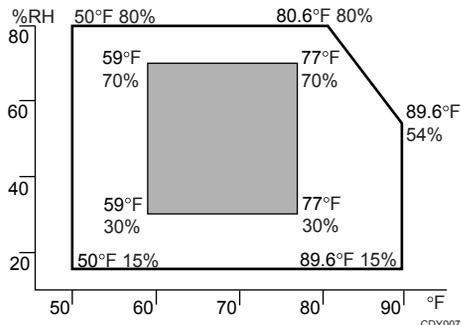
### Optimum Environmental Conditions

---

Recommended temperature and humidity



CDY006



CDY007

White area: Permissible Range

Gray area: Recommended Range

The machine must be level within 5 mm, 0.2" both front to rear and left to right.

## Environments to Avoid

### ★ Important

- Do not use the printer in the following environments:
  - 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

## Power Connection

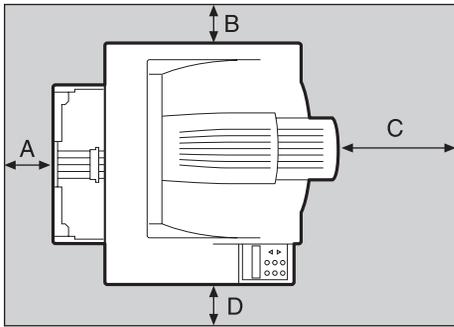
Connect the power cord to a power source with the following specifications:

- 220 - 240V, 50/60Hz, 4.5 A or more

## Space Required for Installing the Printer

2

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



CDY008

A: more than 10 cm (4.0")

B: more than 10 cm (4.0")

C: more than 100 cm (40.0")

D: more than 10 cm (4.0")

# Unpacking the Printer and Checking the Contents of the Box

## 2

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

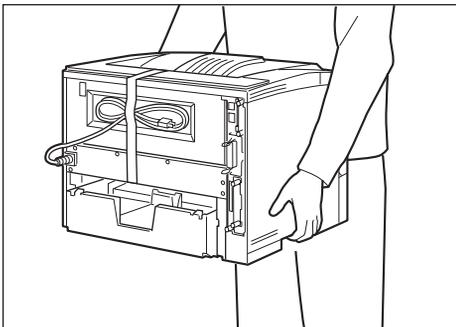
**★ Important**

- The interface cable is not included in the box. Make sure that the interface cable you use is appropriate for your computer.
- Contents of the box
  - Start Guide
  - CD-ROM
  - Printer (including a starter toner cartridge)
  - Additional Documentation
  - Paper Tray Cover



2. Remove the plastic bag. Lift the printer and move it to the place where you want to install it.

When lifting the machine, use the inset grips on both sides. Otherwise the machine could break or cause injury if dropped.



CDY009

3. Remove the orange adhesive tape (7 pieces).

# Installing the Toner Cartridge

## **WARNING**

- Do not incinerate toner (new or used) or toner containers. Doing so risks burns. Toner will ignite on contact with naked flame.

## **WARNING**

- Disposal can take place at our authorized dealer or at appropriate collection sites.

## **WARNING**

- If you dispose of the used toner cartridge yourself, dispose of them according to your local regulations.

## **CAUTION**

- If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.

## **CAUTION**

- Store toner (new or used), toner containers, and components that have been in contact with toner out of reach of children.

## **CAUTION**

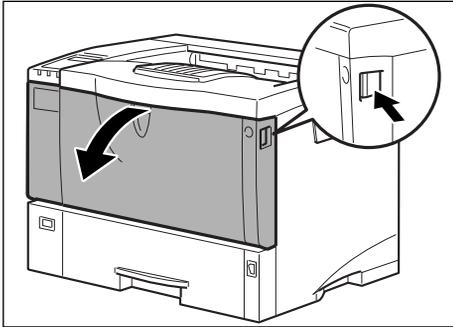
- Our products are engineered to meet the highest standards of quality and functionality. When purchasing expendable supplies, we recommend using only those provided by an authorized dealer.

## **Important**

- Do not expose the toner cartridge to a light for a long time. If you do, the toner cartridge will be damaged and the print quality might be reduced.

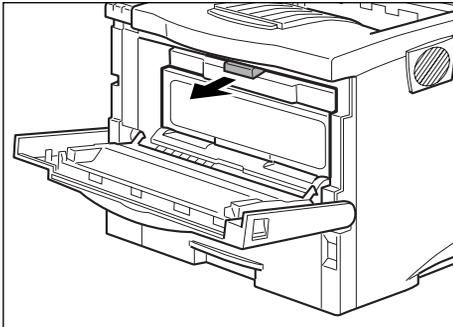
2

1. Open the front cover by pushing the front cover release button.



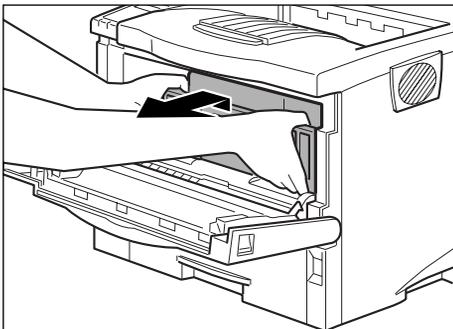
CDY010

2. Remove the fixing material inserted between toner cartridge and the printer.



CDY011

3. While lifting the front side of the toner cartridge, pull it out of the printer.

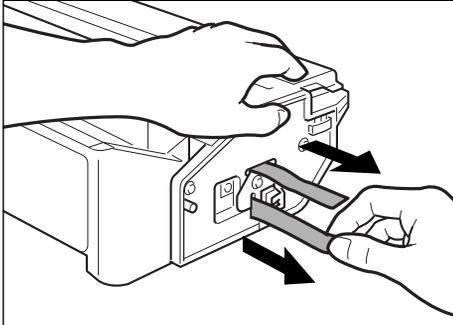


CDY012

↓ Note

- Do not hold the toner cartridge upside down or stand it vertically.
- Do not put the toner cartridge on an unstable or tilted surface.

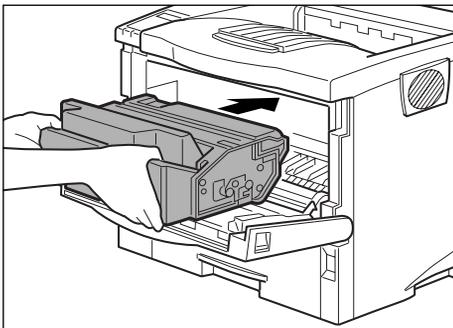
4. Place the toner cartridge on a flat surface. Pull out the tape inside the unit horizontally while holding the cartridge with one hand as shown in the illustration.



CDY013

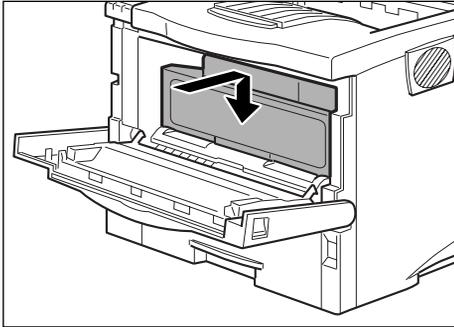
**★ Important**

- Be sure to remove the tape completely before installing the toner cartridge. Otherwise, the printer might be damaged.
  - If you pull out the strips when the toner cartridge is slant or standing on its side, the cartridge might cause trouble with the printer.
  - Be sure to pull the tape horizontally. Pulling it upward or downward may cause the toner to scatter.
  - Be careful not to make your cloths dirty with toner.
  - After pulling the tape out of the cartridge, toner scatters easily. Do not shake the cartridge.
5. Holding the grips of the toner cartridge, insert it into the printer until it stops.



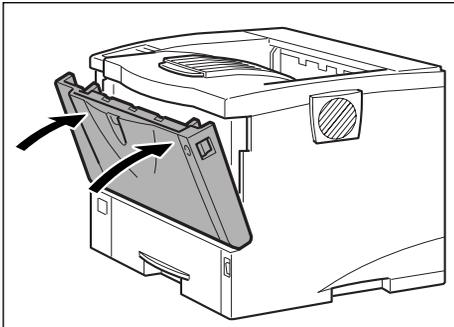
CDY014

6. Insert the toner cartridge in its appropriate position by gently pushing down.



CDY015

7. Close the front cover.



CDY016

**★ Important**

- Do not close the front cover with force. If you cannot close the cover easily, pull out the toner cartridge from the printer and insert it again. After that, close the front cover again.

# Installing the Paper Tray

The default paper settings size are as follows:

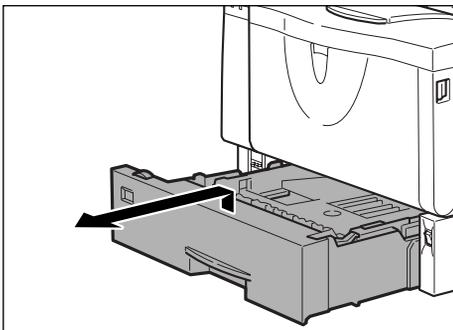
- Metric version: A4 □ (long-edge feed)
- Inch version: 8 1/2" x 11" □ (long-edge feed)

For settings other than the default paper size, see "Loading Paper and Other Media" in the Printer Reference provided as a PDF file on the CD-ROM.

For more information about the paper sizes that can be set in the paper tray, see "Paper and Other Media Supported by this Printer" in the Printer Reference provided as a PDF file on the CD-ROM.

**2**

- 1. Lift the paper tray slightly then pull it out until it stops.**

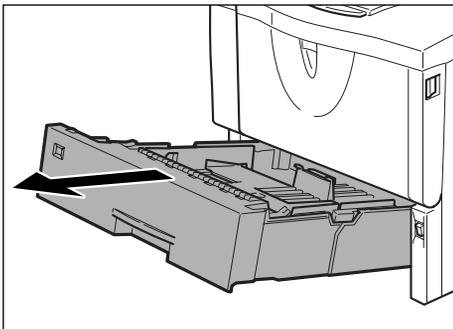


CDY017

**Note**

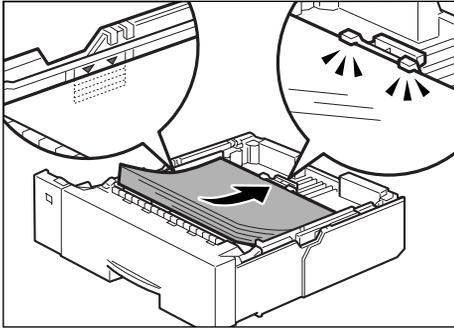
- Do not touch the three white pins on the left front side of the printer.

- 2. While lifting the front side of the tray, pull it out of the printer.**



CDY018

3. Load paper into the paper tray with the print side up.



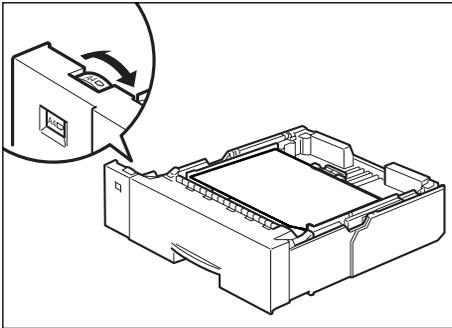
CDY019

★ Important

- Confirm that the top of the stack is not higher than the limit mark inside the tray.
- Confirm that the paper fits under the rear guide.

↓ Note

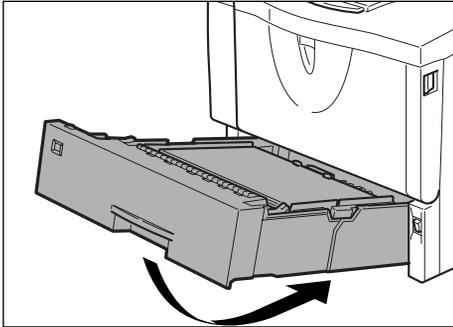
- When loading paper other than A4  (long-edge feed) or 8 1/2" x 11"  (long-edge feed), adjust the paper size dial to match the size and feed direction of the paper in the paper tray.



CDY020

- When you load paper larger than A4  (short-edge feed) or 8 1/2" x 11"  (short-edge feed), you should extend the tray. For more information, see "Paper and Other Media Supported by this Printer" in the Printer Reference provided as a PDF file on the CD-ROM.

4. Carefully slide the paper tray into the printer until it stops.



CDY021

**★ Important**

- Confirm that the setting of the paper size dial matches the size and feed direction of the paper in the tray. Otherwise, the printer might be damaged or a printing problem might occur.
- Do not slide the paper tray in and out with force. If you do, the front and side paper guides will move out of the place.

## Connecting the Power Cord

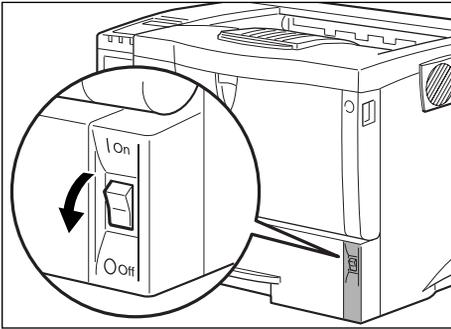
### **⚠ WARNING**

- It is dangerous to handle the power cord plug with wet hands. Doing so could result in electric shock.

### **⚠ CAUTION**

- When disconnecting the power cord from the wall outlet, always pull the plug, not the cord. Pulling the cord can damage the power cord. Use of damaged power cords could result in fire or electric shock.

1. Check that the power switch is turned off.



CDY022

2. Securely insert the power cord plug into the wall socket.

# Selecting the Panel Display Language

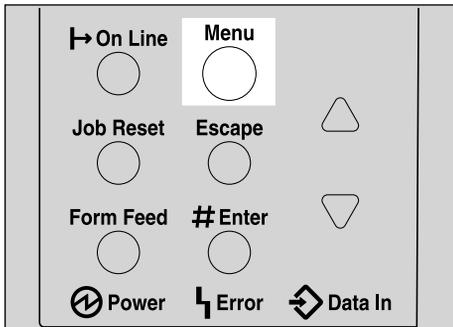
Select a language following the procedures described.

The message for the selected language will appear on the panel display.

## ↓ Note

- The default setting is English.
- If you want to use the English panel display, the following procedures are unnecessary.

1. Check that the power switch is turned on.
2. Press the [Menu] key.



"Menu" appears on the panel display.

3. Press the [▲] or [▼] key until the following message appears on the panel display.

Menu:  
Language

4. Press the [# Enter] key.
5. Press the [▲] or [▼] key until the language you want to select appears on the panel display.
6. Press the [# Enter] key.
7. Press the [On Line] key.

The settings are applied and the ready message appears on the panel display.

## Printing a Configuration Page

You can check if the printer works properly by printing a configuration page.

However, you cannot check the connection between the printer and the computer by printing the configuration page.

### 2

1. Check that the power switch is turned on.
2. Press the [Menu] key.  
"Menu" appears on the panel display.
3. Press the [▲] or [▼] key until the following message appears on the panel display.

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

4. Press the [# Enter] key.  
The following message appears on the panel display.

```
List/Test Print:  
Config.P/Er.Log
```

5. Press the [▲] or [▼] key until the following message appears on the panel display.

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

6. Press the [# Enter] key.

The test printing will start.

#### ★ Important

- If you cannot complete the test printing correctly, check if an error message appears on the panel display. For more information about error messages, see "Troubleshooting" in the Printer Reference provided as a PDF file on the CD-ROM.

# Connecting the Printer to a Computer

## Parallel Connection

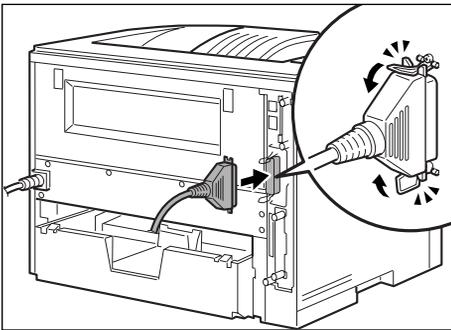
### ★ Important

- The parallel interface cable is not provided with the printer. Make sure that the interface cable you use is appropriate for your computer.
- The printer's parallel connection is a standard bi-directional interface. It requires a standard 36-pin parallel cable compliant with IEEE 1284 and an available parallel port on your computer.
- To avoid electrical interference, use a shielded cable.

### ↓ Note

- Do not use a parallel cable more than 2.5 meters (8.2 feet) long.

1. Turn off the power switch.
2. Turn the computer off.
3. Attach the interface cable to the interface connector of the printer. Secure the cable with the metal fittings as shown in the illustration.



CDY024

4. Attach the other end of the interface cable to the interface connector of the computer. Secure the cable.

### ★ Important

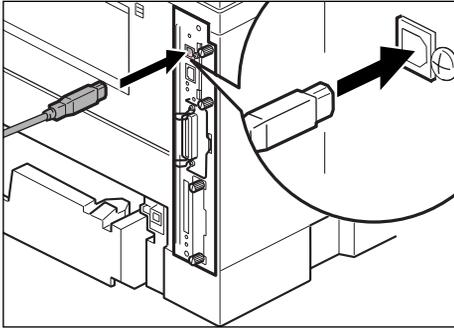
- Rating voltage of the parallel interface connector for the computer ; Max. DC5V.

## USB Connection

### ★ Important

- The USB interface cable is not provided with the printer. Make sure that the USB interface cable you use is appropriate for your computer.

1. Attach the USB interface cable to the USB interface connector of the printer. Secure the cable.



CDY025

2. Attach the other end of the interface cable to the USB interface connector of the computer or the USB Hub. Secure the cable.

# 3. Installing the Printer Driver

This manual assumes that you are familiar with general Windows procedures and practices. If you are not, see the documentation that comes with Windows for details.

## Installing the PCL 6 Printer Driver

This describes how to install the PCL printer driver when using a parallel port.

To use a printer connected using a parallel interface, click [LPT1] when installing the printer driver.

### ★ Important

- **Manage Printers permission is required to install the drivers. Log on as an Administrators group member.**
- **You can install the printer driver from the CD-ROM provided with this printer or download it from the supplier's Web site.**
- **When updating the printer driver by installing the latest version, you should uninstall that of former version if any. See "Uninstalling the Printer Driver and Software" in the Printer Reference.**

Never have two versions of the same printer driver installed on your system at the same time. When upgrading to a new version of the printer driver, delete the old version, and then install the new one.

- 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 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 following languages are available: Chinese (China), English (English)

- 4. Select [PCL Printer Drivers].**
- 5. The software license agreement appears in the [License Agreement] dialog box.**

After reading the agreement, click [I accept the agreement.], and then click [Next >].

- 6. Select the printer driver you want to use in the [Select Program] dialog box.**

The PCL 6 printer driver is installed in the language specified by your operating system.

- 7. Click [Next >].**

- 8. Select the [Printer Name] check box to select the printer model you want to use.**

The printer name can be changed in the [Change settings for 'Printer Name' ] box.

**9. Double-click the printer name to display the printer settings.**

The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

**10. Check that [LPT1:] is shown in [Port].**

**11. Select the [Default Printer] check box to configure the printer as default.**

**12. Click [Finish].**

The printer driver installation starts.

**13. After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

Restart the computer to complete installation.

3

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## Installing Windows 64-bit Compatible Drivers

---

This section describes how to install PCL printer drivers that are compatible with 64-bit Windows operating systems.

**★ Important**

- If the printer is connected to your computer via USB, see "Installing the Printer Driver Using USB" and install the printer driver using the procedure shown.

**📖 Reference**

- p.42 "Installing the Printer Driver Using USB"

### Windows XP, Windows Server 2003/2003 R2

---

Use the following procedure to install the PCL driver under a 64-bit version of Windows XP or Windows Server 2003/2003 R2.

- 1. On the [Start] menu, click [Printers and Faxes].**
- 2. Click [Add a printer], or double-click the [Add Printer] icon.**
- 3. Follow the instructions that appear in the "Add Printer" wizard.**

If the printer driver is on the CD-ROM, the location of the driver will be \DRIVERS\PCL6\x64\MUI \DISK1. If the installer starts automatically, click [Cancel] to stop it.

**4. Specify a port.**

**↓ Note**

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer.

## Windows Vista, Windows Server 2008

---

Use the following procedure to install the PCL driver under a 64-bit version of Windows Vista and Windows Server 2008.

1. On the [Start] menu, click [Control Panel].
2. Click [Hardware and Sound].
3. Click [Printers].
4. Click [Add a printer].
5. Follow the instructions that appear in the "Add Printer" wizard.

If the printer driver is on the CD-ROM, the location of the driver will be `\DRIVERS\PCL6\x64\MUI\DISK1`. If the installer starts automatically, click [Cancel] to stop it.

6. Specify a port.

### ↓ Note

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer.

## Windows 7, Windows Server 2008 R2

---

Use the following procedure to install the PCL driver under a 64-bit version of Windows 7 and Windows Server 2008 R2.

1. On the [Start] menu, click [Devices and Printers].
2. Click [Add a printer].
3. Follow the instructions that appear in the [Add Printer] window.

If the printer driver is on the CD-ROM, the location of the driver will be `\DRIVERS\PCL6\x64\MUI\DISK1`. If the installer starts automatically, click [Cancel] to stop it.

1. Specify a port.

### ↓ Note

- Availability of ports will vary depending on your operating system and the type of interface you are using for connection to the printer.

## Installing the Printer Driver Using USB

This section describes basic instructions for installing the printer drivers using USB.

Before installing, check that only the operating system is running on the computer and no print jobs are in progress.

### ★ Important

- **Installing a printer driver requires Administrators permission. Log on using an account that has Administrators permission.**

If the printer driver has already been installed, and plug and play is enabled, the icon of the printer connected to the "USB" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

If the printer driver is not installed, follow the plug-and-play instructions of the printer to install it from the CD-ROM provided with this printer.

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### Windows 2000 - USB

---

1. **Close all applications except this manual.**
2. **Check that the power of the printer is off.**
3. **Connect the printer to your computer with a USB cable.**  
Connect the USB cable firmly.
4. **Turn on the power of the printer.**  
Found New Hardware Wizard starts, and USB Printing Support is installed automatically.
5. **Click [Next].**
6. **In the [Found New Hardware Wizard] window, click [Search for a suitable driver for my device [recommended]], and then click [Next].**
7. **Check the [Specify a location] check box, and then click [Next].**
8. **Insert the CD-ROM into the CD-ROM drive.**  
If Auto Run starts, click [Cancel] and then [Exit].
9. **Specify the location where the source files of the printer driver is stored.**  
If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:
  - D:\DRIVERS\PCL6\XP\_VISTA\MUI\disk1The PCL6 printer driver will be installed in the language of the operating system.
10. **Check the printer driver location, and then click [OK].**
11. **Click [Next].**

**12. Click [Finish].**

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

**Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.
- The number after "USB" varies depending on the number of printers connected.

**Windows XP, Windows Server 2003/2003 R2 - USB****3****1. Close all applications except this manual.****2. Check that the power of the printer is off.****3. Connect the printer to your computer with a USB cable.**

Connect the USB cable firmly.

**4. Turn on the power of the printer.**

Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

**5. Click [No, not this time], and then click [Next].****6. In the [Found New Hardware] window, click [Install from a list or specific location [Advanced]], and then click [Next].****7. Insert the CD-ROM into the CD-ROM drive.**

If Auto Run starts, click [Cancel] and then [Exit].

**8. Select the [Search removable media (floppy, CD-ROM...)] check box under [Search for the best driver in these locations], and then click [Next].****9. Specify the location where the source files of the printer driver is stored.**

If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

- D:\DRIVERS\PCL6\XP\_VISTA\MUI\disk1

The PCL6 printer driver will be installed in the language of the operating system.

**10. Check the printer driver location, and then click [Next].****11. Click [Finish].**

If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

**Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.

- The number after "USB" varies depending on the number of printers connected.

---

## Windows Vista, Windows Server 2008 - USB

---

1. Close all applications except this manual.
2. Check that the power of the printer is off.
3. Connect the printer to your computer with a USB cable.

Connect the USB cable firmly.

4. Turn on the power of the printer.

Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

5. In the [Found New Hardware] dialog box, click [Locate and install driver software (recommended)].

If the [User Account Control] window appears, click [Yes] or [Continue].

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

If Auto Run starts, click [Cancel] and then [Exit].

7. Specify the location where the source files of the printer driver is stored.

If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

- D:\DRIVERS\PCL6\XP\_VISTA\MUI\disk 1

The PCL6 printer driver will be installed in the language of the operating system.

8. Check the printer driver location, and then click [Next].

9. Click [Close].

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Printers], [Printers and Faxes], or [Devices and Printers] window.

### ↓ Note

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.
- The number after "USB" varies depending on the number of printers connected.

---

## Windows 7, Windows Server 2008 R2 - USB

---

1. Close all applications except this manual.
2. Check that the power of the printer is off.
3. Connect the printer to your computer with a USB cable.

Connect the USB cable firmly.

**4. Turn on the power of the printer.**

Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

**5. Click [Devices and Printers].****6. Double-Click the icon of printer you want to use in the [Unspecified] category.****7. Click [Hardware] tab.****8. Click [Properties].****9. Click [General] tab.****10. Click [Change settings].****11. Click [Driver] tab.****12. Click [Update Driver...].****13. Click [Browse my computer for driver software].****14. Insert the CD-ROM into the CD-ROM drive.**

If Auto Run starts, click [Cancel] and then click [Exit].

**15. Click [Browse...], and then select the printer driver location.**

If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

- Windows 7
  - D:\DRIVERS\PCL6\XP\_VISTA\MUI\disk1
- Windows Server 2008 R2
  - D:\DRIVERS\PCL6\x64\MUI\DISK1

The PCL6 printer driver will be installed in the language of the operating system.

**16. Check the printer driver location, and then click [Next].****17. Click [Close].**

If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Devices and Printers] window.

**Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.
- The number after "USB" varies depending on the number of printers connected.

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## Troubleshooting USB

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Problem	Solutions
The printer is not recognized automatically.	Turn off the power of this printer, and then reconnect the USB cable. Make sure the cable is securely connected to the USB ports, and then turn on the power again.
Windows has already configured the USB settings.	Open Windows' Device Manager, and then, under [Universal Serial Bus controllers], remove any conflicting devices. Conflicting devices have a [!] or [?] icon by them. Take care not to accidentally remove required devices. For details, see Windows Help.

3

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**Aficio AP6001U** Operating Instructions Setup Guide

