

# Driver Installation Guide

This manual describes how to install drivers and other software to use this machine.

## Installing Drivers and Software

You can install the necessary drivers and software for this machine from the supplied CD-ROM.

### ★ Important

- ❑ The supplied drivers are supported by the following operating systems
  - PCL printer driver: Windows XP/Vista/7 and Windows Server 2003/2003 R2/2008/2008 R2
  - DDST printer driver: Windows XP/Vista/7 and Windows Server 2003/2003 R2/2008/2008 R2, and Mac OS X 10.3 or later
  - TWAIN driver: Windows XP/Vista/7 and Windows Server 2003/2003 R2/2008/2008 R2, and Mac OS X 10.3 or later
  - LAN-Fax driver: Windows XP/Vista/7 and Windows Server 2003/2003 R2/2008/2008 R2
- ❑ You can install the drivers from the CD-ROM provided with this machine or download it from the manufacturer's Web site.

When you insert the CD-ROM, the CD-ROM opens automatically. From the CD-ROM menu, specify the installation method you require and the software you want to install.

Select the appropriate method according to your operating system and the connection method.

### ❖ **USB Quick Install**

If you have connected the machine to your computer via USB cable, select this method to auto install the necessary printer and TWAIN drivers.

### ❖ **Network Quick Install**

If you have connected the machine to your computer via a network, select this method to auto install the necessary printer and TWAIN drivers.

### ❖ **Standalone Install (PCL /DDST printer driver, TWAIN driver, LAN-Fax driver)**

Installs printer driver for network connection, TWAIN driver for network connection, or LAN-Fax driver for network/USB connection.

### ❖ **Presto! PageManager**

Installs Presto! PageManager, which you can use for TWAIN scanning.

#### Note

- Under 64-bit Windows operating systems, TWAIN scanning can be performed using a 32-bit TWAIN-compliant application only.
- If you install the PCL driver using Quick Install, only the PCL 6 driver will be installed. Use the standalone install to install the PCL 5c printer driver.
- Quick Install installs either the DDST or PCL printer driver, depending on the type of machine you are using.
- Quick Install does not install the LAN-Fax driver. Install the LAN-Fax driver separately.

#### Reference

For the Mac OS X installation procedure, see p.11 “When Using the Machine under Mac OS X”.

For details about installing the PostScript 3 printer driver, see PostScript 3 Installation Guide.

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## USB Quick Install (Windows)

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If you have connected this machine to your computer via USB cable, select this method to auto install the necessary printer and TWAIN drivers from the CD-ROM.

#### Important

- The procedure in this section is an example based on Windows XP. The actual procedure might vary depending on the operating system you are using.
- Manage Printers permission is required to install the driver. Log on as an Administrators group member.
- Be sure to disconnect the USB cable from the machine or turn the machine off before beginning the installation.

Use this procedure to install the drivers using USB Quick Install.

**1** Close all applications except this manual.

**2** From the CD-ROM menu, click [USB Quick Install].

The software license agreement appears.

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

**4** Select the printer model, and then click [Next>].

A dialog box prompting you to confirm that connection with the machine has not been made appears.

**5** Make sure the machine is turned off and not connected to the computer, and then click [Next>].

A dialog box appears.

- 6** Connect the machine and the computer using a USB cable, and then turn the machine's power switch to on.

The auto-detecting starts.

To cancel the auto-detecting click **[Stop Auto-detecting]**.

- 7** Select whether or not to use this printer as the default printer, and then click **[Next>]**.

- 8** When the message informing you that the installation was successfully completed appears, click **[Finish]**.

**Note**

- In this procedure, PCL 6 was the only PCL driver installed. If you need to install the PCL 5c driver, install it separately, and be sure to configure it using the same settings as the PCL 6 driver that is already installed.

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## Network Quick Install (Windows)

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Use Network Quick Install to install the printer and TWAIN drivers from the CD-ROM when connecting the machine to the network.

**★ Important**

- The procedure in this section is an example based on Windows XP. The actual procedure might vary depending on the operating system you are using.
- Manage Printers permission is required to install the driver. Log on as an Administrators group member.
- Before beginning this procedure, you must assign the IP address on the machine. For details about assigning the machine's IP address, see User Guide.

- 1** Close all applications except this manual.

- 2** From the CD-ROM menu, click **[Network Quick Install]**.

The software license agreement appears.

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

- 4** Select the printer detection method, and then click **[Next>]**.

To detect the machine automatically, select **[Detect printer(s) automatically]**.

To specify the machine directly, select **[Specify IP Address directly]**, and then specify its IP address.

- 5** If you selected **[Specify IP Address directly]** in step 4, enter the machine's IP address in the **[IP Address]** box, and then click **[OK]**.

- 6** Select the machine name, configure the necessary settings, and then click **[Continue]**.

- 7** When the message informing you that the installation was successfully completed appears, select a restart method, and then click **[Finish]**.

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## Standalone Install (Windows)

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This section describes how to install the printer, TWAIN, or LAN-Fax driver respectively.

**★ Important**

- The procedure in this section is an example based on Windows XP. The actual procedure might vary depending on the operating system you are using.

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### PCL/DDST Printer Driver

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Use this procedure to install the PCL or DDST printer driver.

**★ Important**

- Before beginning this procedure, you must assign the IP address on the machine. For details about assigning the machine's IP address, see User Guide.

**1** Close all applications except this manual.

**2** From the CD-ROM menu, click **[PCL Printer Driver]** or **[DDST Printer Driver]**.

The software license agreement appears.

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

When installing the PCL printer driver, a dialog box appears to select the printer driver, PCL 6 or PCL 5c.

**4** Select the printer detection method, and then click **[Next>]**.

To detect the machine automatically, select **[Detect printer(s) automatically]**.

To specify the machine directly, select **[Specify IP Address directly]**, and then specify its IP address.

**5** If you have selected **[Specify IP Address directly]** in step 4, enter the machine's IP address in the **[IP Address]** box, and then click **[OK]**.

**6** Select the machine name, and make the necessary settings, then click **[Continue]**.

**7** Click **[Finish]**.

If you selected PCL printer driver in step 3, a dialog box appears. To install the other PCL printer driver, select it, and then click **[Next>]**. Follow the instructions on the screen.

**8** When the message informing you that the installation was successfully completed appears, select a restart method, and then click **[Finish]**.

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## LAN-Fax Driver for Network Connection

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Use this procedure to install the LAN-Fax driver for network connection.

- 1** Close all applications except this manual.
- 2** From the CD-ROM menu, click [LAN-Fax Driver].  
The software license agreement appears.
- 3** After reading the agreement, click [I accept the agreement.], and then click [Next>].
- 4** Select the machine name, click [+] to expand the menu, and then click [Port: <LPT1:>].
- 5** Under "Change settings for 'Port'", click [Add].
- 6** Click [Standard TCP/IP Port], and then click [OK].
- 7** Click [Next>].
- 8** Enter the machine's IP address in the [Printer Name or IP Address:] box.  
The [Port Name] box will automatically be filled when you enter the IP Address.
- 9** Click [Next>].
- 10** Click [Finish].
- 11** In the [Install Printer Driver] dialog box, make other necessary settings, and then click [Continue].
- 12** When the message informing you that the installation was successfully completed appears, click [Finish].  
If the message to restart the machine appears, select the restart method, and then click [Finish].

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## LAN-Fax Driver for USB Connection

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Use this procedure to install the LAN-Fax driver for USB connection.

**★ Important**

- Before installing the LAN-Fax driver for USB connection, install the printer driver for USB connection using Quick Install. Then, check the printer driver's property for which USB port the printer driver uses.

- 1** Close all applications except this manual.
- 2** From the CD-ROM menu, click [LAN-Fax Driver].  
The software license agreement appears.

- 3** After reading the agreement, click [**I accept the agreement.**], and then click [**Next>**].
- 4** Select the machine name, click [**+**] to expand the menu, and then click [**Port: <LPT1:>**].
- 5** From the list under “Change settings for ‘Port’”, click [**USBxxx**].  
“xxx” varies depending on the number of USB ports created on your computer. Select the same port being used by the printer driver.
- 6** Make other necessary settings, and then click [**Continue**].
- 7** When the message informing you that the installation was successfully completed appears, select a restart method, and then click [**Finish**].

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## TWAIN Driver

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- 1** Close all applications except this manual.
- 2** From the CD-ROM menu, click [**Network TWAIN Driver**].
- 3** Click [**Next>**].  
The software license agreement appears.
- 4** After reading the agreement, click [**Yes**].
- 5** When the message informing you that the installation was successfully completed appears, click [**Finish**].

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## Installing the Drivers Using Plug and Play (Windows)

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This section describes how to install printer and TWAIN drivers for USB connection using the Windows Plug and Play function.

**★ Important**

- Manage Printers permission is required to install the driver. Log on as an Administrators group member.

Use the following procedures to install the TWAIN and printer drivers using Plug and Play. Note that in some cases, you may need to install the TWAIN and printer drivers in reverse order.

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## Windows XP, Windows Server 2003/2003 R2/2008

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- 1** Close all applications except this manual.
- 2** Connect the machine to your computer using a USB cable, and then turn the machine’s power switch on.  
The [**Found New Hardware Wizard**] dialog box for the TWAIN driver appears.

**3** Click **[No, not this time]**, and then click **[Next>]**.

**4** Insert the CD-ROM.

Skip this step if you are referring this manual from the driver CD-ROM.

**5** Click **[Install the software automatically (Recommended)]**, and then click **[Next>]**.

If you want to install the TWAIN driver downloaded from the manufacturer's Web site, click **[Install from a list or specific location (Advanced)]**, and then click **[Next>]**. Then, click **[Search for the best driver in these locations]** and select **[Include this location in the search:]**. Click **[Browse]** to select the TWAIN driver file, and then click **[Next>]**.

**6** Select the TWAIN driver, and then click **[Next>]**.

**7** When the message informing you that the installation was successfully completed appears, click **[Finish]**.

The **[Found New Hardware Wizard]** dialog box for the printer driver appears.

**8** Click **[No, not this time]**, and then click **[Next>]**.

**9** Click **[Install the software automatically (Recommended)]**, and then click **[Next>]**.

If you want to install the printer driver downloaded from the manufacturer's Web site, click **[Install from a list or specific location (Advanced)]**, and then click **[Next>]**. Then, click **[Search for the best driver in these locations]** and select **[Include this location in the search:]**. Click **[Browse]**, select the printer driver file, and then click **[Next>]**.

**10** Select the printer driver, and then click **[Next>]**.

**11** When the message informing you that the installation was successfully completed appears, click **[Finish]**.

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## Windows Vista

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**1** Close all applications except this manual.

**2** Connect the machine to your computer using a USB cable, and then turn the machine's power switch on.

The **[Found New Hardware]** dialog box for the TWAIN driver appears.

**3** Click **[Locate and install driver software (recommended)]**.

The **[User Account Control]** dialog box appears.

**4** Click **[Continue]**.

The **[Found New Hardware]** for the TWAIN driver dialog box reappears.

**5** Insert the CD-ROM.

Skip this step if you are referring this manual from the driver CD-ROM.

**6** Click **[Next]** if required.

If you want to install the TWAIN driver downloaded from the manufacturer's Web site, click **[I don't have the disc. Show me other options.]**. Click **[Browse my computer for driver software (advanced)]**. Then, click **[Browse]**, select the TWAIN driver file, and then click **[Next]**.

**7** When the message informing you that the installation was successfully completed appears, click **[Close]**.

The **[Found New Hardware]** dialog box for the printer driver appears.

**8** Click **[Next]**.

If you want to install the printer driver downloaded from the manufacturer's Web site, click **[I don't have the disc. Show me other options.]**. Click **[Browse my computer for driver software (advanced)]**. Then, click **[Browse]**, select the printer driver file, and then click **[Next]**.

**9** Select the printer driver, and then click **[Next]**.

**10** When the message informing you that the installation was successfully completed appears, click **[Close]**.

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## Windows 7, Windows Server 2008 R2

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**1** Close all applications except this manual.

**2** Connect the machine to your computer using a USB cable, and then turn the machine's power switch on.

**3** Click **[Devices and Printers]** from the **[Start]** menu.  
**[Devices and Printers]** window appears.

**4** In **[Unspecified]**, double-click the name of the machine whose driver you want to install.

**5** Click the **[Hardware]** tab in the printer properties dialog box.

**6** Select the name of the machine whose driver you want to install, and then click **[Properties]**.

**7** Click **[Change settings]**.

**8** Click the **[Driver]** tab.

**9** Insert the CD-ROM.

If the **[AutoPlay]** dialog box appears, click the **[Close]** button.

Skip this step if you are referring this manual from the driver CD-ROM.

**10** Click **[Update Driver...]**.

**11** Click **[Browse my computer for driver software]**.

**12** Click **[Browse]** to select the printer driver location, and then click **[OK]**.

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

- Printer drivers

D:\DRIVERS\ (PCL6, PCL5c, or DDST)\ (XP\_VISTA or X64)\ (language)\ DISK1

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

- TWAIN drivers

D:\DRIVERS\TWAIN\USB\PnP

**13** Click **[Next]**.

If **[Windows can't verify the publisher of this driver software]** display appears in the installation, click **[Install this driver software anyway]**.

**14** Click **[Close]**.

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

**15** Click **[Close]** to close the printer properties dialog box.

If you install TWAIN driver, repeat this procedure from step 5.

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## When Using the Machine under Mac OS X

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The procedures in this section explain how to set up the machine under Mac OS X.

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### Installing the Drivers

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Use this procedure to install the drivers under Mac OS X.

**★ Important**

- To install the driver, you must log on as an Administrator. For details, contact your administrator.

- 1** Close all applications except this manual.
- 2** Double-click the package file icon.
- 3** Follow the instructions on the screen.

**↓ Note**

- When the [**Authenticate**] dialog box appears, enter the administrator name and password, and then click [**OK**].

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### Setting Up the Machine When Using a USB Connection

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Use this procedure to configure the machine for USB connection to a computer that is running Mac OS X 10.4 (or later).

**★ Important**

- Before beginning this procedure, make sure the machine is powered and connected to the computer via a USB cable.

- 1** On the [**Go**] menu, click [**Utilities**].
- 2** Double-click [**Printer Setup Utility**].  
The [**Printer List**] dialog box appears.
- 3** Click [**Add**].  
The [**Printer Browser**] dialog box appears.  
If [**IP Printer**] is selected, select [**Default Browser**].
- 4** Make sure that “USB” is shown in [**Connection**], and then click the name of this machine.  
This machine name appears in [**Name**].
- 5** In [**Print Using**], select the manufacturer name, and then select the model name from the [**Model**] list.
- 6** Click [**Add**].
- 7** Check the tray 2 configuration, and then click [**Continue**].
- 8** Close [**Printer Setup Utility**].

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## Setting Up the Machine When Using a Network Connection

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Use this procedure to configure the machine for network connection to a computer that is running Mac OS X 10.4 (or later).

**★ Important**

- Before beginning this procedure, make sure the machine is powered and connected to the network.
- Also before beginning this procedure, you must assign the IP address on the machine. For details about assigning the machine's IP address, see User Guide.

**1** On the [Go] menu, click [Utilities].

**2** Double-click [Printer Setup Utility].

The [Printer List] dialog box appears.

**3** Click [Add].

The [Printer Browser] dialog box appears.

If [Default Browser] is selected, select [IP Printer].

**4** In the [Address] field, enter the machine's IP address.

The machine name appears in [Name].

**5** In [Print Using], select the manufacturer name, and then select the model name from the [Model] list.

**6** Click [Add].

**7** Check the tray 2 configuration, and then click [Continue].

**8** Close [Printer Setup Utility].

# Troubleshooting

This section describes how to troubleshoot problems related to installing the machine.

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## Software Installation Problems

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This section describes how to troubleshoot problems related to software installation.

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### If the CD-ROM Does Not Launch Automatically

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This section describes what to do if the CD-ROM does not open automatically when you insert the CD-ROM into your computer.

#### ❖ Checking your computer

If the CD-ROM does not launch automatically, check the following:

- Confirm that the CD-ROM has been inserted in your computer properly.
- Confirm that the CD-ROM drive of your computer is not defective, by trying a known-working CD-ROM.
- Confirm that the AutoRun feature has not been disabled on your computer.

#### ❖ Launching the CD-ROM from the CD-ROM directory

If the problem persists, double-click the CD-ROM drive icon in the [My Computer] or [Explorer] window.

#### Note

- When saving a driver on a computer, make sure that the path to the location of the stored data is not too long. A long path name may cause errors during installation.

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### If Software Cannot Be Installed

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This section describes how to troubleshoot failure during software installation.

#### ❖ Checking your computer environment

If you have problems installing software, first check the following:

- The operating system of your computer is compatible with the software you are trying to install.
- There is enough space in the hard disk of your computer.
- Unnecessary applications, in particular anti-virus programs, are not running during the installation.

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## Checking Installed Software

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This section describes how to troubleshoot problems related to software installation.

Check whether the software has been installed or not. If not, perform the installation procedure again.

### ❖ **Printer driver, LAN-Fax driver**

If the printer driver is installed, the printer icon appears in the **[Printers and faxes]** folder in your computer.

In the printer properties dialog box, check that “USB connection” or “network printer” is selected as the port. To check the connection, perform a test print.

Use this procedure to check the version of the printer driver currently installed. For details, see the printer driver Help.

- ① Open the Printing Preferences dialog box.
- ② Click the **[Setup]** tab.
- ③ Click **[About]**.
- ④ Check the version.

### ❖ **TWAIN driver**

If the TWAIN driver is installed, you can scan originals using a compatible application. For details, see User Guide.

### ❖ **User Guide**

If the User Guide is installed, the User Guide icon appears in the **[Programs]** folder in your computer.

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## Connection Problems

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This section describes how to troubleshoot problems related to USB and network connection.

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### If Connection Cannot Be Made via USB

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This section describes possible causes and solutions for problems related to USB connection.

Possible Cause	Solution
The power cord or USB cable may not be properly connected.	Make sure that the power cord and USB cable are properly connected. Also make sure that they are not damaged.
The machine was not recognized automatically.	Turn off the power of the machine, reconnect the USB cable, and then turn it on again.
Windows did not configure USB settings correctly.	Make sure that there is no conflicting USB device installed in your computer. Open Windows' Device Manager, and then, under <b>[Universal Serial Bus controllers]</b> or <b>[USB Controller]</b> , remove any conflicting devices. Conflicting devices have a <b>[!]</b> or <b>[?]</b> icon by them. Take care not to accidentally remove required devices. For details, see Windows Help.
The printer/TWAIN driver was not installed correctly under USB connection.	Turn off the power, and then unplug the USB cable from the machine. Then, reinstall the printer/TWAIN driver using <b>[USB Quick Install]</b> , making sure that you turn on the power only when instructed.
An error occurs during software installation.	First reboot Windows. Then, on the <b>[Start]</b> menu, select <b>[Control Panel]</b> . Double-click the System icon, and then on the <b>[Hardware]</b> tab, click <b>[Device Manager]</b> . Under <b>[Other devices]</b> , select the printer, and then open its properties dialog box. On the <b>[General]</b> tab, click <b>[Reinstall Driver]</b> to reinstall the driver.

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### If Connection Cannot Be Made via Network

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This section describes possible causes and solutions for problems related to network connection.

Possible Cause	Solution
The power cord or Ethernet cable may not be properly connected.	Make sure that the power cord and Ethernet cable are properly connected. Also make sure that they are not damaged.
The machine's IP address has not been specified, or the machine and computer are not on the same network.	If the machine cannot be found and only "Printer Port" appears in the machine selection dialog box, either the machine's IP address has not been specified or the computer and machine are not on the same network segment. Before installing the software, check the machine's IP address and the network topology. Alternatively, select "Printer Port" in the dialog box, and then install the software.

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# Test Print Problems

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This section describes what to do if a test page cannot be printed from a computer.

Possible Cause	Solution
The power cord, USB cable, or Ethernet cable is not properly connected.	Check that the power cord, USB cable, and Ethernet cable are properly connected. Check also that they are not damaged. See p.15 "Connection Problems".
The port connection is not properly set.	<ol style="list-style-type: none"><li>① On the <b>[Start]</b> menu, click <b>[Printers and Faxes]</b>.</li><li>② Click the printer icon, and then click <b>[Properties]</b> on the <b>[File]</b> menu.</li><li>③ Click the <b>[Ports]</b> tab, and then confirm that the port is set to USB or network printer, as required.</li></ol>

 **Note**

- If the problem persists, contact the network administrator.
- To connect via USB when USB does not appear in the list of available ports, you must reinstall the printer driver.

# Software on the CD-ROM

This section describes the CD-ROM supplied with this machine.

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## Viewing the Contents of the CD-ROM

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Use this procedure to view the contents of the CD-ROM.

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

The installer starts.

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

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

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## Drivers for This Machine

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Operations require installing drivers appropriate to your operating system.

The following drivers are included on the CD-ROM provided with this machine.

❖ **PCL 5c/6 printer driver, DDST printer driver**

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

❖ **PostScript 3 printer driver**

PostScript 3 printer driver allows the computer to communicate with the printer using a printer language.

❖ **TWAIN driver**

To use the machine as a TWAIN scanner, it is essential to install the TWAIN driver.

❖ **LAN-Fax driver**

LAN-Fax driver allows you to send a document directly from a computer through the machine to another fax machine, without printing the document.

# Appendix

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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 proper names of the Windows operating systems are as follows:

- The product names of Windows XP are as follows:
  - Microsoft® Windows® XP Professional Edition
  - Microsoft® Windows® XP Home Edition
  - Microsoft® Windows® XP Professional x64 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  
 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® Web Server 2008  
 Microsoft® Windows® 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® Web Server R2 2008  
 Microsoft® Windows® HPC Server R2 2008

 **Note**

- PostScript® 3 in this manual stands for “Adobe PostScript 3 Emulation”.