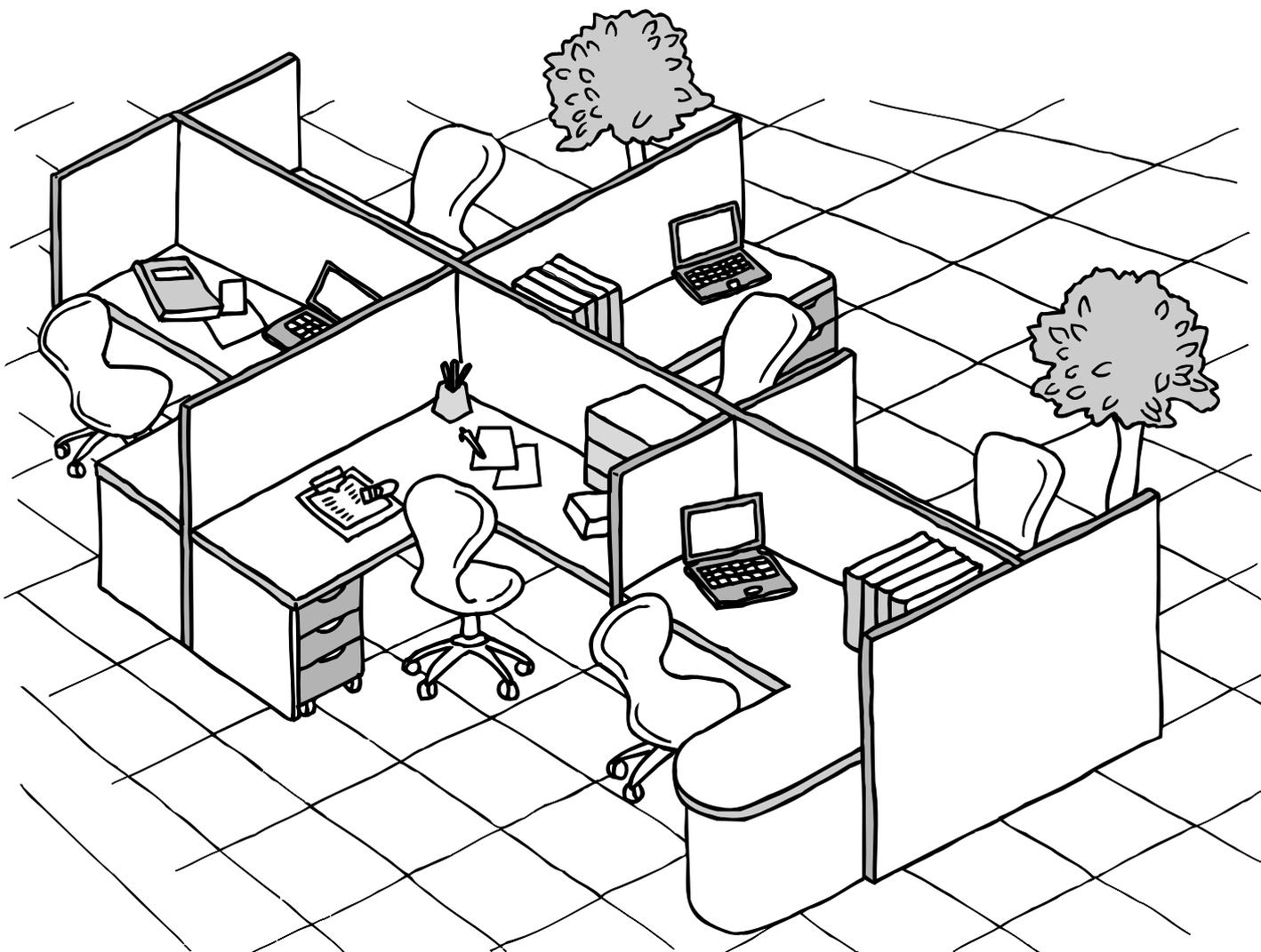


Panasonic®

Software Operating Instructions (For Panasonic Printing System Ver. 6)

Model No. DP-2310/3010/3510/3520/4510/4520/6010/6020



WORKIO

Before operating this software, please read these instructions completely and keep these operating instructions for future reference.

English

Before Starting

Printer Section

Troubleshooting

Appendix

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Published in Japan.

The contents of these Operating Instructions are subject to change without notice.

Table of Contents

Before Starting

Precautions	4
■ For Users in the USA	4

Printer Section

Installing the Printer Driver	5
■ Windows 98/Me/NT/2000/XP	5
■ Connecting with a USB Cable (Windows 98)	12
■ Connecting with a USB Cable (Windows Me)	16
■ Connecting with a USB Cable (Windows 2000)	19
■ Connecting with a USB Cable (Windows XP)	22
Installing the LPR (Line Printer Remote) Monitor	24
■ Windows 98/Me	24
■ Windows NT 4.0	28
■ Windows 2000/XP	32
Configuring the Printer Driver Settings	36
■ Windows 98/Me	36
■ Windows NT 4.0 (Administrator)	45
■ Windows NT 4.0 (User)	54
■ Windows 2000/XP (Administrator)	55
■ Windows 2000/XP (User)	65
■ All Windows Common Settings	66
Print Operation	79
■ Printing from Windows Applications	79
■ Printing on Network	80
■ Internet Printing Protocol (IPP) Printing	82
■ Setting the IPP Printing	82
IPX-SPX Setup Wizard	86
■ Windows 98/Me/NT/2000/XP	86

Troubleshooting

Troubleshooting	90
■ Printing Operation Fails	90
■ Document is Not Printed Correctly	91

Appendix

Appendix	92
■ Printing Area	92
■ Symbol Table	93

Precautions

For Users in the USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Operating Guide, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

Any unauthorized changes or modifications to this equipment would void the users authority to operate this device.

Warning: To assure continued compliance, use only a shielded interface cable when connecting the machine's parallel interface port to the host computer. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- You need to read the software license agreement before setting up the Printer Driver.
- You need to read the following precautions which are described in the Copier & Facsimile and Internet Fax Operating Instructions manuals.
 1. Installation
 2. Ventilation
 3. Handling
 4. Toner and Paper
 5. For Your Safety

Installing the Printer Driver

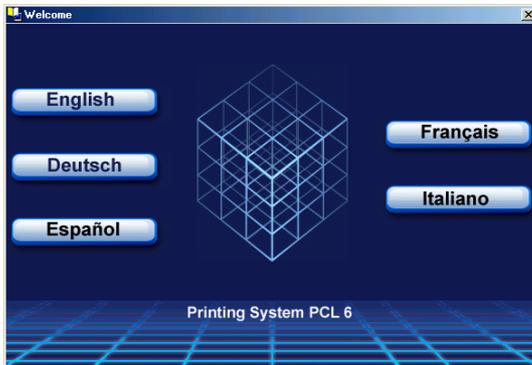
Windows 98/Me/NT/2000/XP (See Note 1)

1

Insert the Panasonic Printing System CD-ROM.

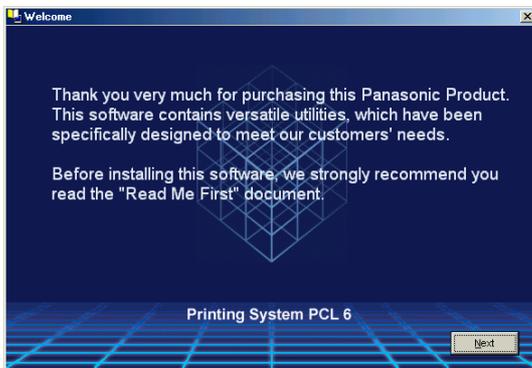
2

Click on the desired language.



3

Click the button.

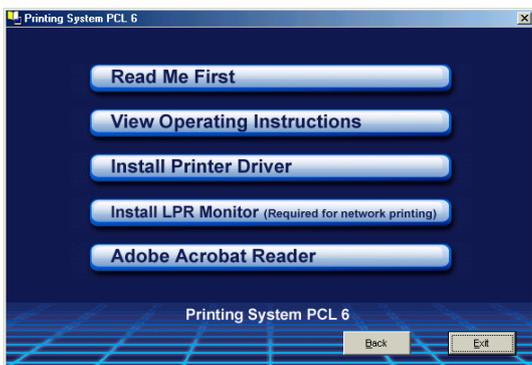


Note for Windows 98/Me users:

If your computer does not have the LPR Port Monitor installed, please proceed to "Installing the LPR Monitor" on page 24 before continuing this installation.

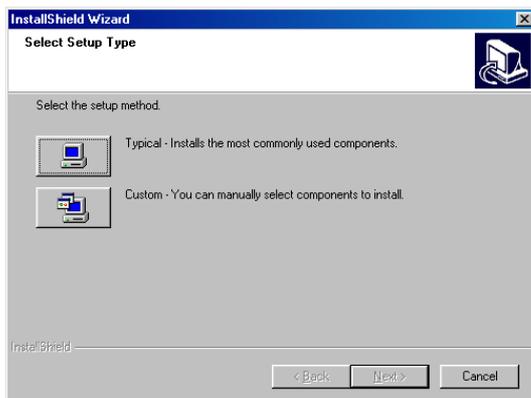
4

Click **Install Printer Driver**.



5

Click the **Typical** or **Custom** button.
(See Note 2 and 3 on page 11)

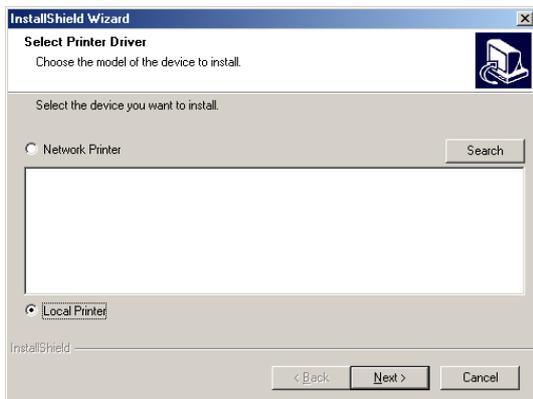


Continued on the next page...

Installing the Printer Driver

Windows 98/Me/NT/2000/XP

6

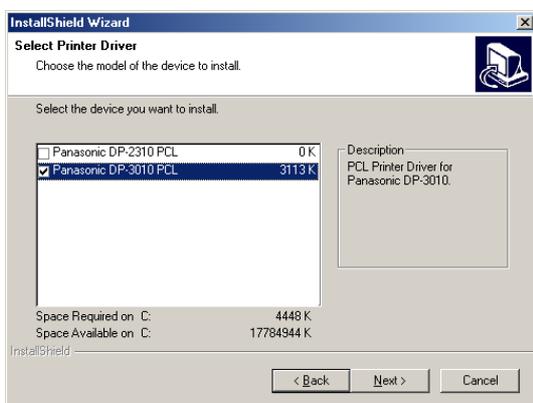


<For DP-3520/4520/6020 only>

Select **Local Printer** and click the **Next** button.

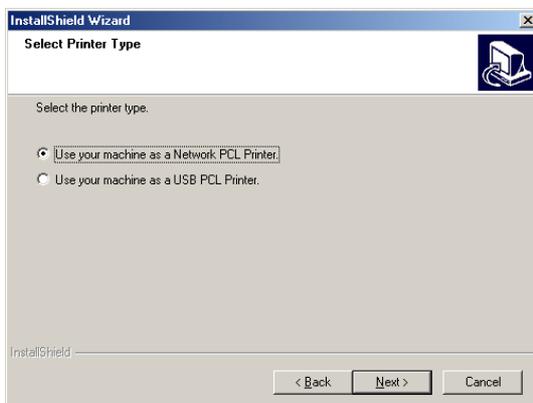
Note: *If your machine has been installed on your network, click the **Search** button to find it. Then, select the machine from the list of network connected units, and click the **Next** button.*

7



Select your machine's model(s) check box and click the **Next** button.

8



<For DP-2310/3010 only>

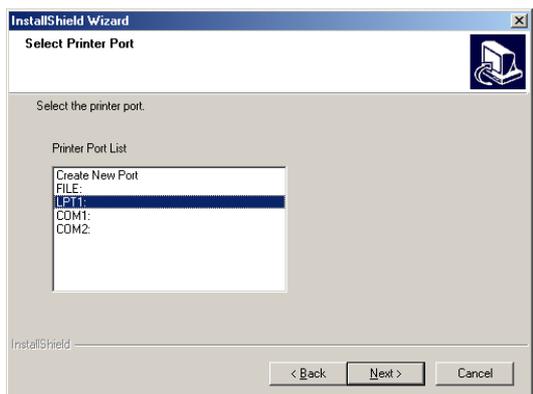
Select how your machine will be used, either as a Network Printer or as a USB Printer.

If USB Printer is selected, click the **Next** button and skip to Step 11.

Note:

- 1 Make sure that the Power Switch of your machine is OFF and the USB cable is not connected to your computer.
- 2 The message is not appeared on Windows 98. Follow the procedure on page 11 to install the printer driver.

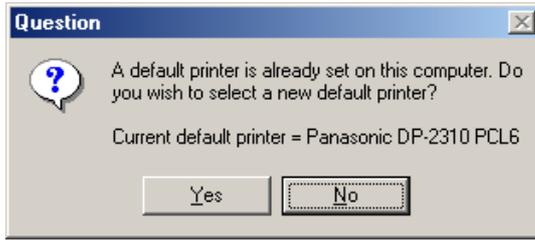
9



Check **LPT1:** and click the **Next** button. (See Note 3 on page 11)

Windows 98/Me/NT/2000/XP

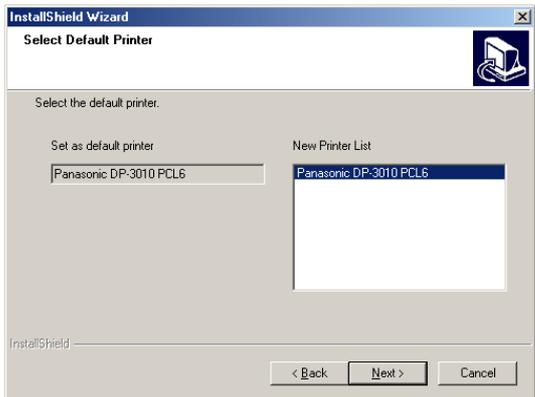
10



Click the button if you would like to change your current default printer to the one that you are installing.

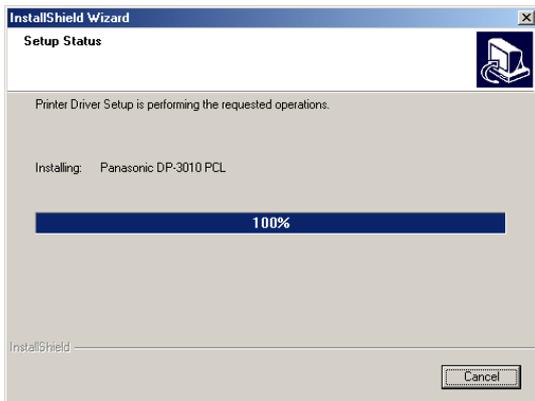
Note: *This dialog box only appears if another printer is already installed.*

11



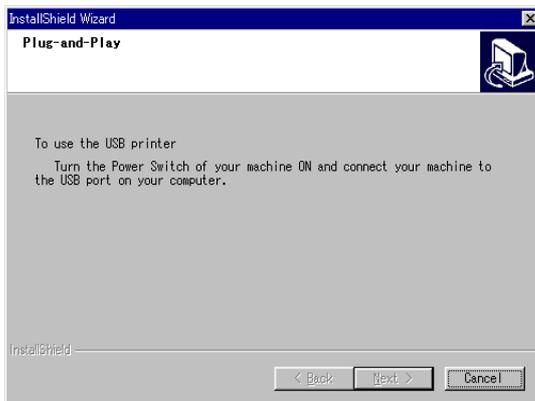
Select your new default printer from the New Printer List and click the button.

12



The required files are copied.

12a



<Windows Me>

When this message appears, turn the Power Switch of your machine ON and connect your machine to an available USB Port on your computer.

Installing the Printer Driver

Windows 98/Me/NT/2000/XP

12b



<Windows 2000>

Click the button.



When this message appears, turn the Power Switch of your machine ON and connect your machine to an available USB Port on your computer.



Click the button.

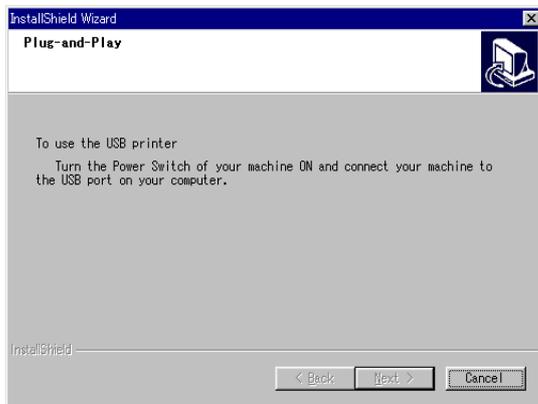
Windows 98/Me/NT/2000/XP

12c



<Windows XP>

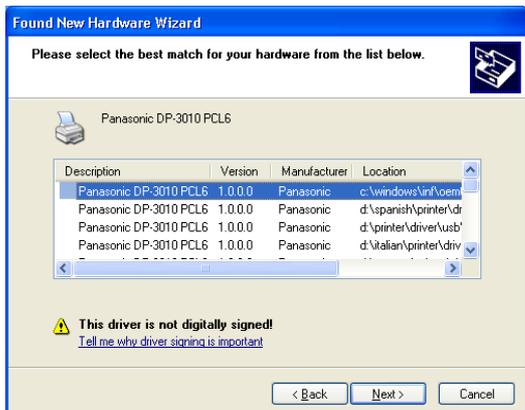
Click the **Continue Anyway** button.



When this message appears, turn the Power Switch of your machine ON and connect your machine to an available USB Port on your computer.



Select **Install the software automatically** and click the **Next** button.



This message may appear if you have a previous version of the printer driver installed.

Select the latest version of the *.inf file and click the **Next** button.

Continued on the next page...

Installing the Printer Driver

Windows 98/Me/NT/2000/XP

12c

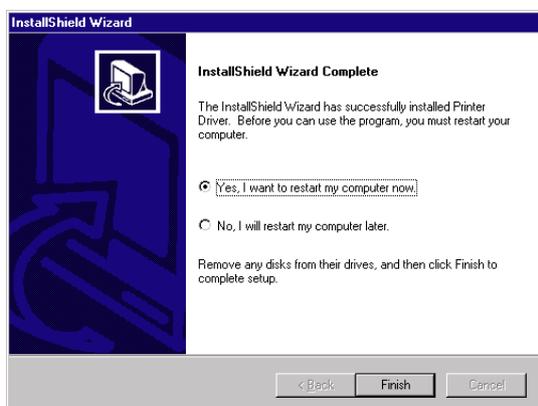


Click the **Continue Anyway** button.



Click the **Finish** button.

13



When the setup process is completed, a message is displayed prompting you to restart your computer.

Click the **Finish** button to restart your computer.

The Panasonic/Panafax Printer Driver is installed, and the Panasonic/Panafax Printer icon(s) are added to the Printer folder.

If you are installing the Printer Driver for network printing, please contact your network administrator for the IP Address of the machine and proceed to the next section to install the LPR Monitor service for the version of Windows you are installing after your computer has rebooted.

Installing the Printer Driver

Windows 98/Me/NT/2000/XP

NOTE

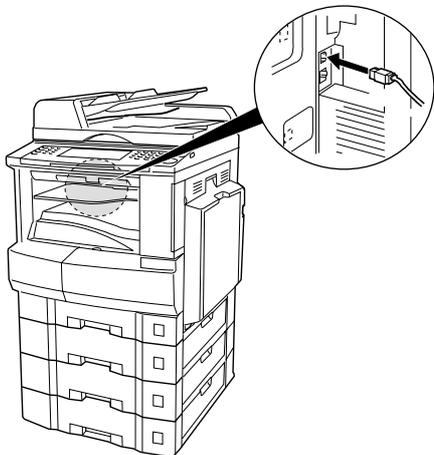
1. When installing on Windows NT 4.0 and Windows 2000/XP, logon to the computer/network using an account with administrator rights.
2. Click the **Custom** button in step 5 to select the print margin either **default** or **0 (no print margin)** (default: 0.1 inches/2.5 mm).
3. If you wish to install the IPX-SPX Setup Wizard, select the Custom Installation and follow the procedure on the screens.
4. If the LPR Monitor is already installed on your PC, select **Create New Port** in step 8. Then, select **Search the network printer** to search the machine(s) connected on your network.
5. To remove the Printer Driver, select **Panasonic DP-xxxx** on the **Add/Remove Programs Properties** in the Control Panel and click the / button.

Installing the Printer Driver

Connecting with a USB Cable (Windows 98)

When using the USB cable to connect the printer, install the printer driver by following the steps below.
(For DP-2310/3010 only)

1



Connect the printer to the PC with an USB cable.
Turn the Power Switch of your machine ON.

2



The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

Click the **Next** button.

3



Select **Search for the best driver for your device**.

Click the **Next** button.

4

Insert the CD-ROM included in the PCL Option.

Connecting with a USB Cable (Windows 98)

5



Select **Specify a location** and type **D:\English\Printer\Driver\Usb\UsbDrv\Win9x** (where "D:" is your CD-ROM drive).

6



Click the **Next** button.

7



Click the **Finish** button.

8



The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

Click the **Next** button.

Continued on the next page...

Installing the Printer Driver

Connecting with a USB Cable (Windows 98)



Select **Search for the best driver for your device**.

Click the  button.

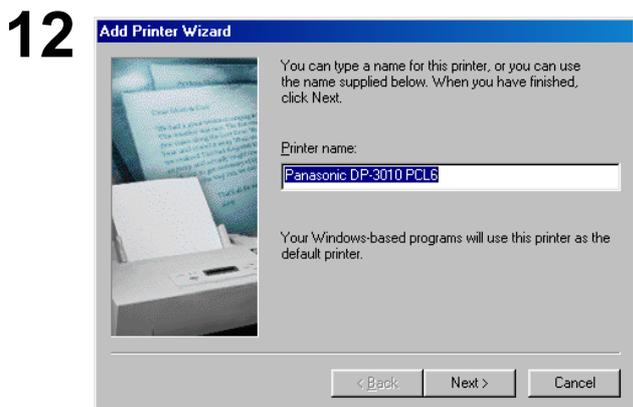


Select **Specify a location** and type **D:\English\Printer\Driver\Usb\Win9x** (where "D:" is your CD-ROM drive).

Click the  button.



Click the  button.



Enter the Printer name and click the  button.

Connecting with a USB Cable (Windows 98)

13

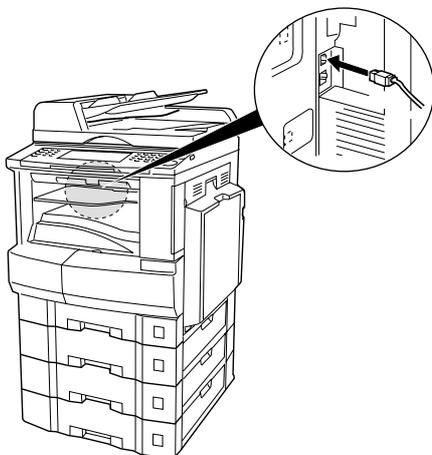


Click the button.

Installing the Printer Driver

Connecting with a USB Cable (Windows Me)

1



Connect the printer to the PC with an USB cable.
Turn the Power Switch of your machine ON.

2



The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

Select **Specify the location of the driver**.

Click the button.

3

Insert the CD-ROM included in the PCL Option.

4



Select **Specify a location** and type **D:\English\Printer\Driver\Usb\UsbDrv\Win9x** (where "D:" is your CD-ROM drive).

Installing the Printer Driver

Connecting with a USB Cable (Windows Me)

5



Click the **Next** button.

6



Click the **Finish** button.

7



The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

Select **Specify the location of the driver**.

Click the **Next** button.

8



Select **Specify a location** and type **D:\English\Printer\Driver\Usb\Win9x** (where "D:" is your CD-ROM drive).

Click the **Next** button.

Continued on the next page...

Installing the Printer Driver

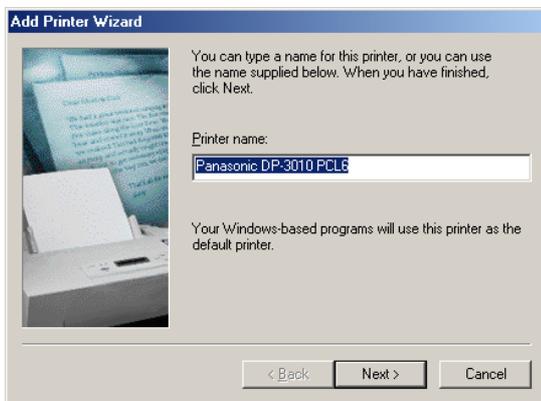
Connecting with a USB Cable (Windows Me)

9



Click the button.

10



Enter the Printer name and click the button.

11

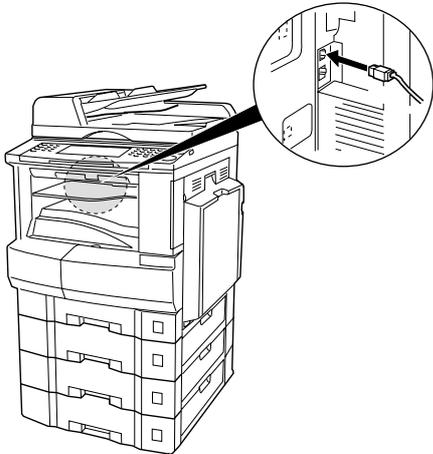


Click the button.

Installing the Printer Driver

Connecting with a USB Cable (Windows 2000)

1



Connect the printer to the PC with an USB cable.
Turn the Power Switch of your machine ON.

2



The **Found New Hardware Wizard** dialog box appears.

Click the  button.

3



Select **Search for a suitable driver for my device**.

Click the  button.

4

Insert the CD-ROM included in the PCL Option.

Continued on the next page...

Installing the Printer Driver

Connecting with a USB Cable (Windows 2000)

5



Select **Specify a location**.

Click the **Next** button.

6



Type **D:\English\Printer\Driver\Usb\WinXP-2K** (where "D:" is your CD-ROM drive).

Click the **OK** button.

7



Click the **Next** button.

8



Click the **Yes** button.

Connecting with a USB Cable (Windows 2000)

9

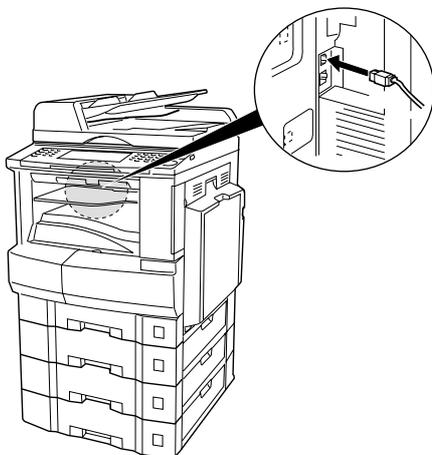


Click the button.

Installing the Printer Driver

Connecting with a USB Cable (Windows XP)

1



Connect the printer to the PC with an USB cable.
Turn the Power Switch of your machine ON.

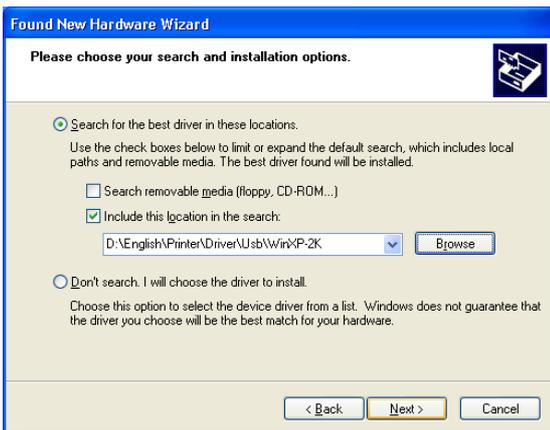
2



The **Found New Hardware Wizard** dialog box appears.
Select **Install from a list or specific location (Advanced)**.

Click the **Next** button.

3

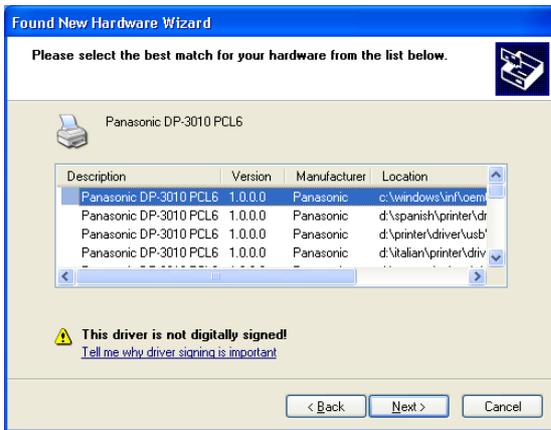


Select **Include this location in the search**.
Type **D:\English\Printer\Driver\Usb\WinXP-2K** (where "D:" is your CD-ROM drive).
Insert the CD-ROM included in the PCL Option.

Click the **Next** button.

Connecting with a USB Cable (Windows XP)

4



This message may appear if you have a previous version of the printer driver installed.

Select the latest version of the *.inf file and click the button.

5



Click the button.

6



Click the button.

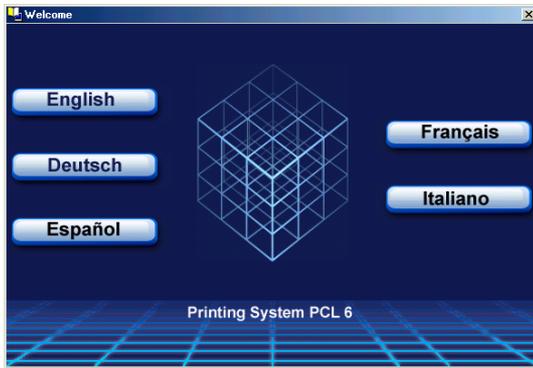
Installing the LPR (Line Printer Remote) Monitor

Windows 98/Me

1

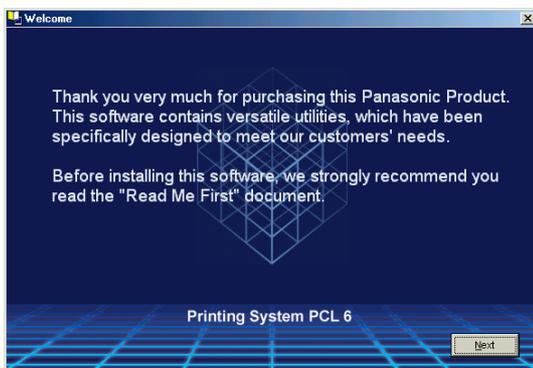
Insert the Panasonic Printing System CD-ROM.

2



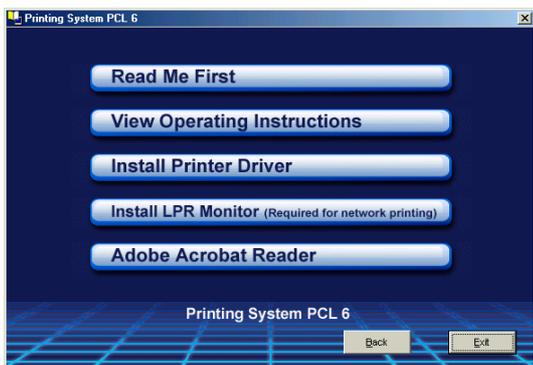
Click on the desired language.

3



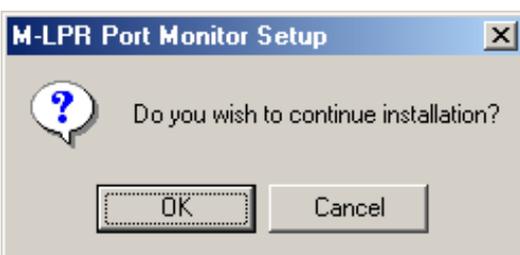
Click the button.

4



Click **Install LPR Monitor**.

5



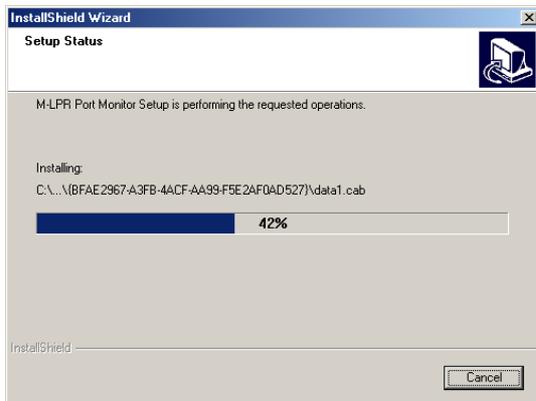
The **M-LPR Port Monitor Setup** dialog box appears.

Click the button.

Installing the LPR (Line Printer Remote) Monitor

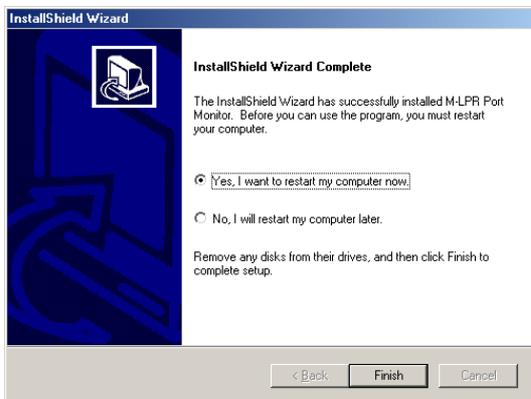
Windows 98/Me

6



The required files are copied.

7



The setup program copies the necessary files onto your hard disk.

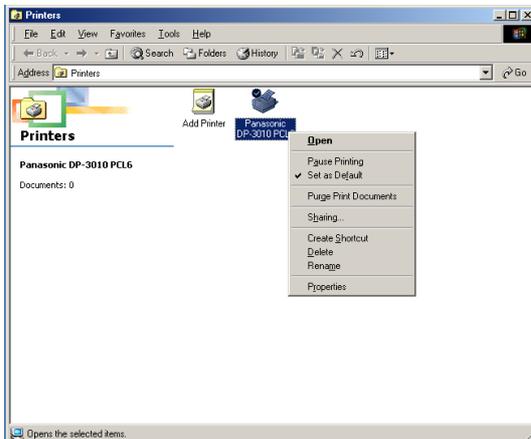
When the setup process is completed, a message is displayed prompting you to restart your computer.

It is recommended that you restart your computer now so that the LPR Monitor can be started.

Click the **Finish** button.

If you have not installed the printer driver yet, please proceed to "Installing the Printer Driver" on page 5.

8



After your computer has rebooted, click the **Start** button, select **Settings**, and then click **Printers**.

The **Printers** folder appears.

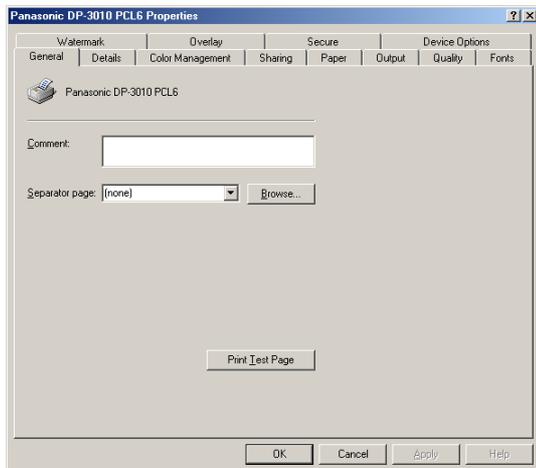
Right-click on the desired printer icon and select **Properties** from the pop-up menu.

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

Windows 98/Me

9

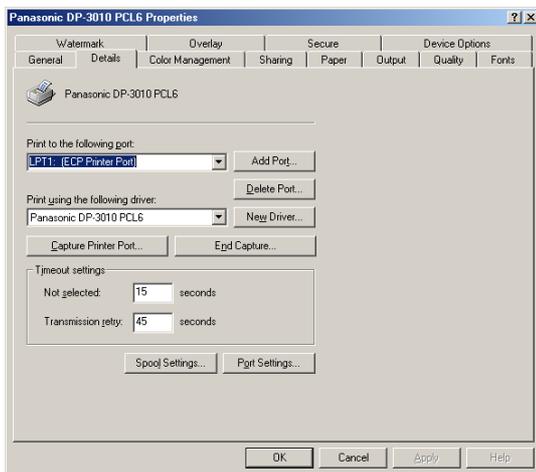


The printer properties dialog box appears.

The following step is to register the LPR Port for network printing.

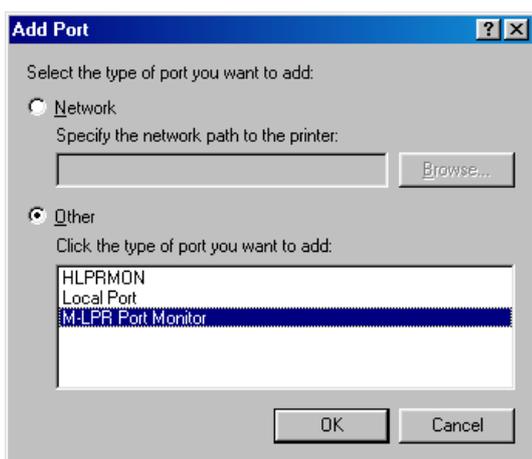
Before proceeding, ensure that the printer is installed, connected to the network, turned ON and is operating properly.

10



Select the **Details** tab and click the **Add Port...** button.

11

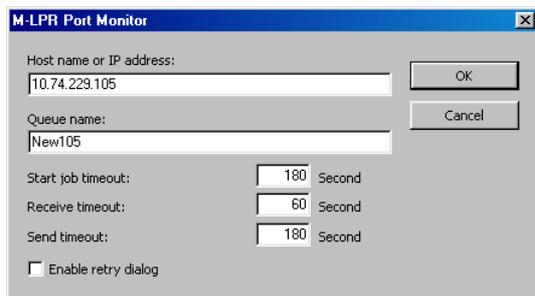


The **Add Port** dialog box appears. Click the **Other** radio button, and select **M-LPR Port Monitor** from the list, and click the **OK** button.

Installing the LPR (Line Printer Remote) Monitor

Windows 98/Me

12

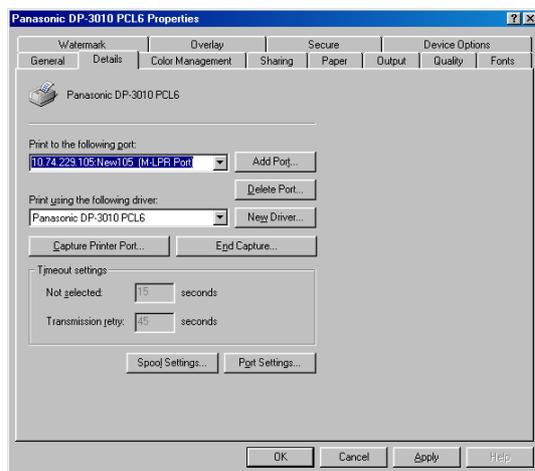


The **M-LPR Port Monitor** dialog box appears.

Type the IP Address of the machine in the **Hostname or IP address:** text box and the queue name (e.g. New105) in the **Queue name:** text box.

Click the button. If an error occurs because the queue name had already been used for the same IP Address, select a different unique name such as "New106".

13



The screen reverts to the Printer Properties.

Check that the "Print to the following port:" has been changed as entered in step 12, and click the **Apply** button, and then the button.

The printer properties dialog box closes and you have now configured the printer as a network printer.

NOTE

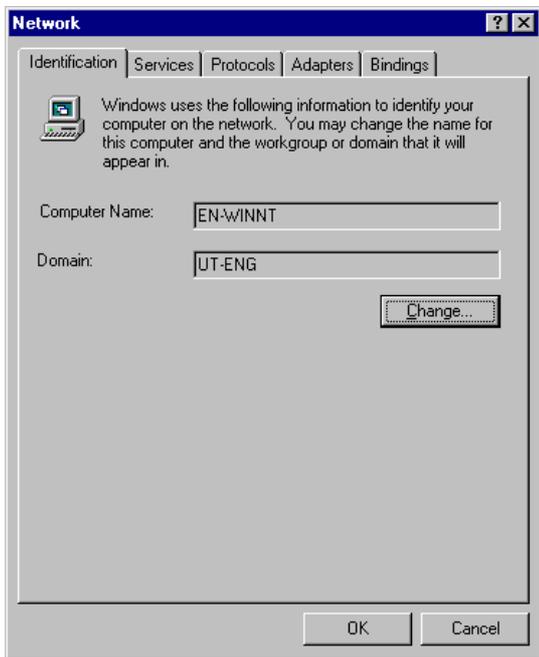
1 To print data via LAN, the LPR Monitor must be installed on your PC.

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

Logon using an account with administrator rights.

1



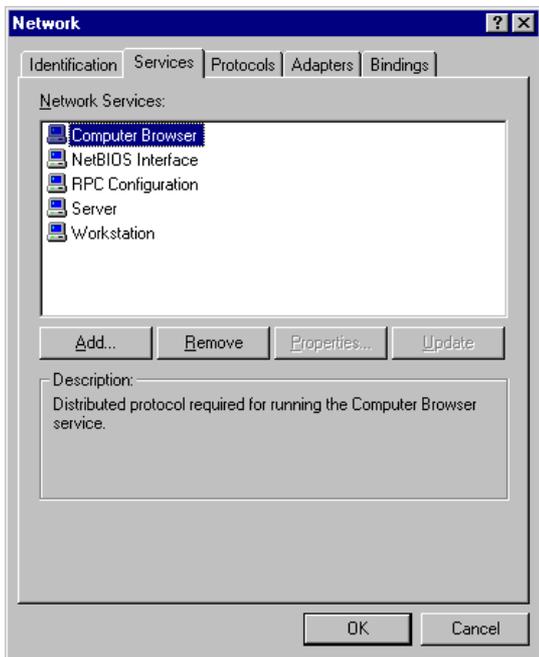
Click the **Start** button, select **Settings**, and click **Control Panel**.

The **Control Panel** window appears.

Double-click on the **Network** icon.

The **Network** dialog box appears.

2



Click the **Services** tab.

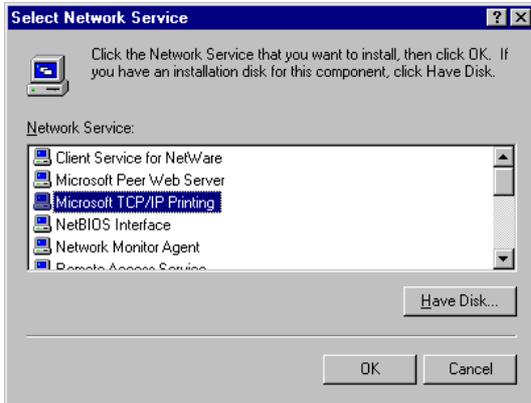
Verify whether the LPR Service is already installed. (Indicated by Microsoft TCP/IP Printing shown in the Network Services list.)

If it is already installed, skip to Step 7. Otherwise continue installing the LPR Service.

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

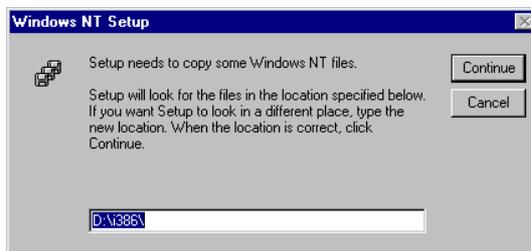
3



Click the button to display the **Select Network Service** dialog box, and select **Microsoft TCP/IP Printing**.

Click the button.

4

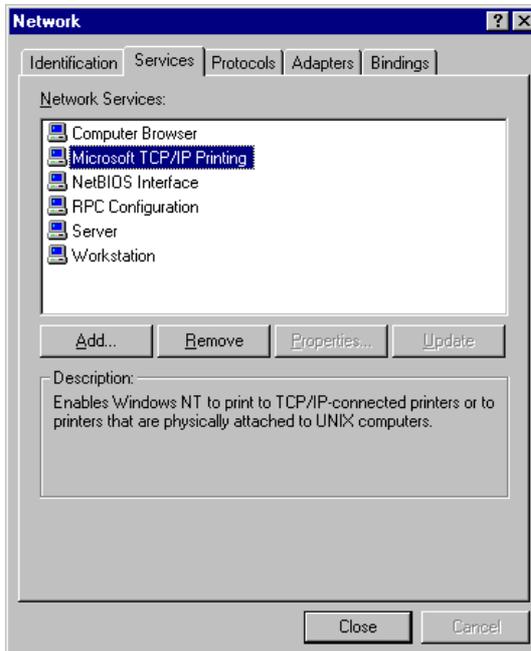


The **Windows NT Setup** dialog box appears.

Insert the Windows NT 4.0 CD-ROM, and type **D:\i386** (where "D:" is your CD-ROM drive).

Click the button.

5

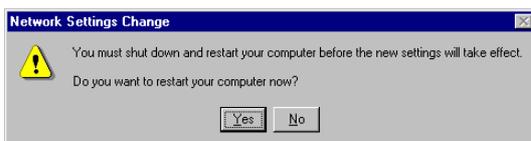


After the files have been copied into the hard drive of your PC, the display returns to the Network dialog box. Confirm that the Microsoft TCP/IP Printing service has been added to Network Services list.

Click the button.

Note: *If the OK button does not change into a Close button, remove and reinstall the Microsoft TCP/IP Printing service.*

6



When the **Network Settings Change** dialog box is displayed, click on the button to restart your computer now.

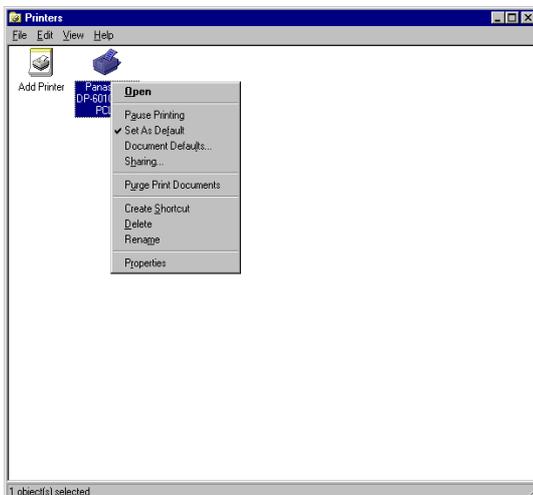
You have now completed the LPR Service installation.

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

7

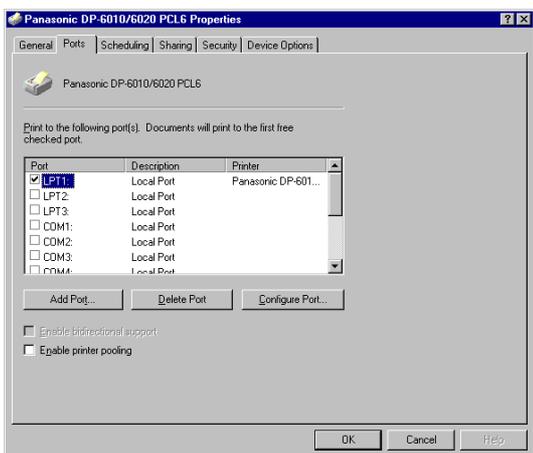


After your computer has rebooted, click the **Start** button, select **Settings**, and then click **Printers**.

The **Printers** folder appears.

Right-click on the desired printer icon and select **Properties** from the pop-up menu.

8

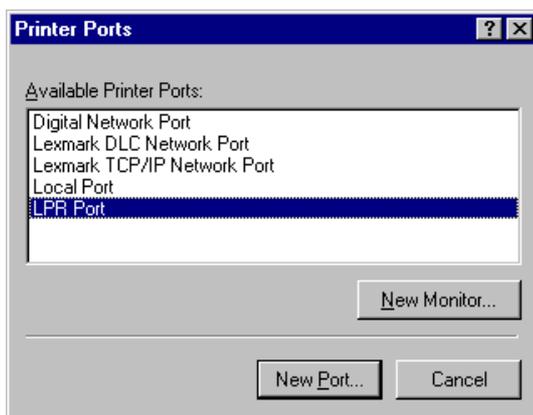


The following step is to register the LPR Port for network printing.

Before proceeding, ensure that the printer is installed, connected to the network, turned ON and is operating properly.

Select the **Ports** Tab and click the **Add Port...** button.

9



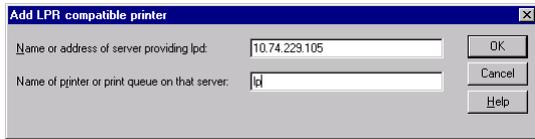
The **Printer Ports** dialog box appears.

Select **LPR Port** and click the **New Port** button.

Installing the LPR (Line Printer Remote) Monitor

Windows NT 4.0

10



The **Add LPR compatible printer** dialog box appears.

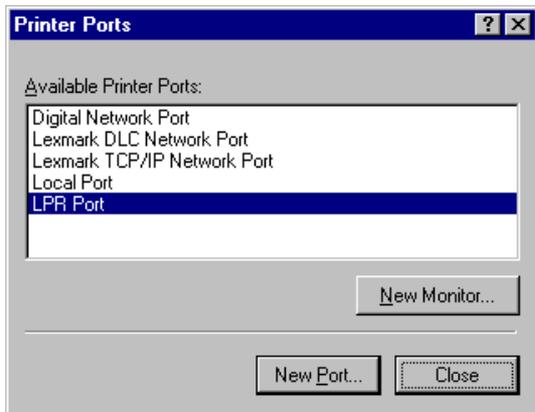
Enter the IP Address of the printer in the upper field, and "lp" for the print queue name in the lower field.

Click the button.

(Please wait while the wizard verifies the IP Address and connectivity to the network).

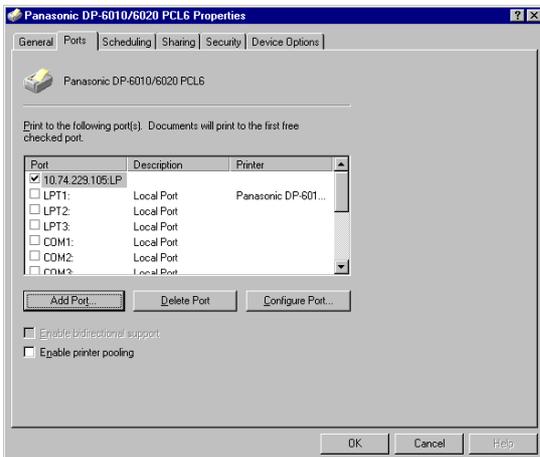
The **Printer Ports** dialog box appears.

11



Click the button.

12



Select the printer port and click the button.

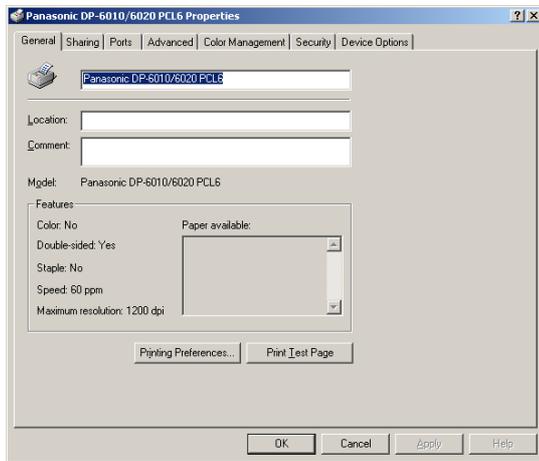
The printer properties dialog box closes and you have now configured the printer as a network printer.

Installing the LPR (Line Printer Remote) Monitor

Windows 2000/XP

Logon using an account with administrator rights.

1

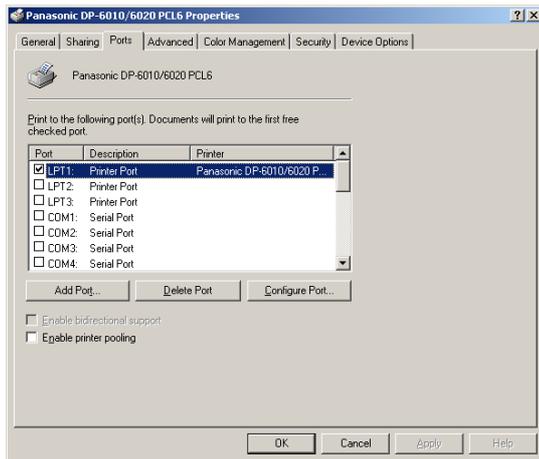


Open the **Printers** folder.

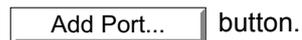
Right-click on the desired printer icon and select **Properties** from the pop-up menu.

The printer properties dialog box appears.

2

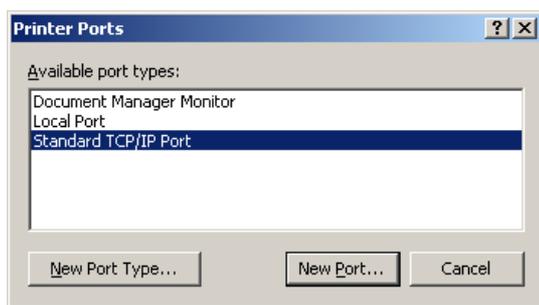


Select the **Ports** Tab and click the

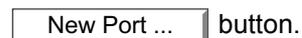


button.

3



Select **Standard TCP/IP Port** and click the



button.

Installing the LPR (Line Printer Remote) Monitor

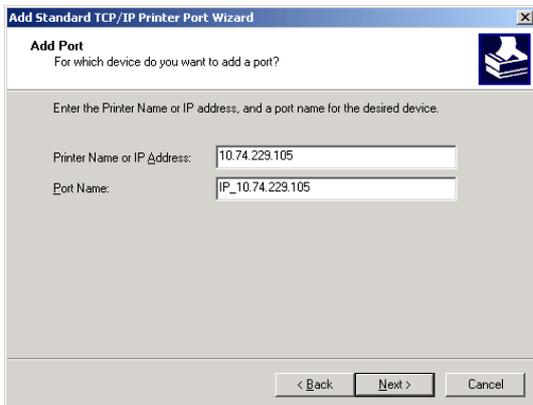
Windows 2000/XP

4



Click the button.

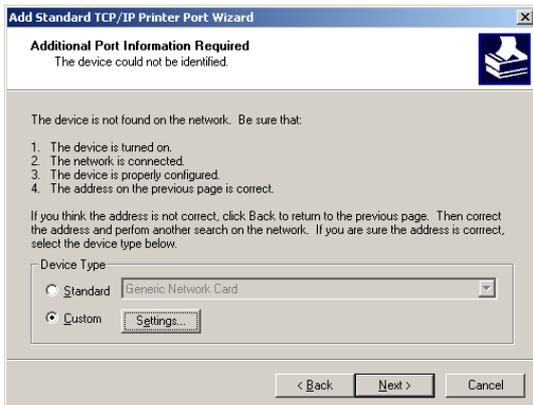
5



Enter the IP Address and the Port Name and click the button.

Note: *The Port Name is automatically entered by Windows 2000/XP. You may need to change it as required.*

6



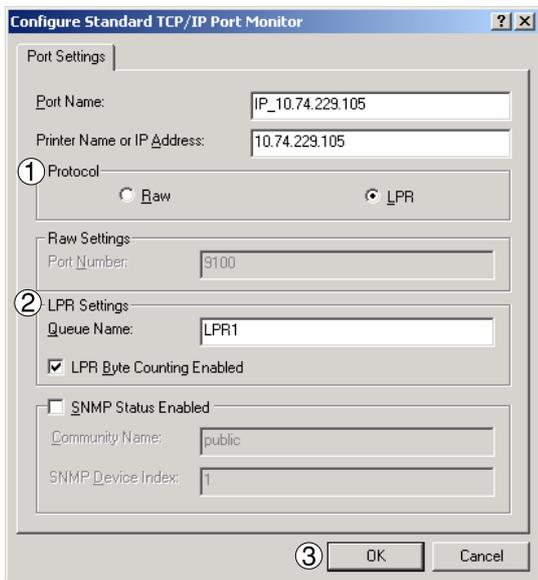
Select **Custom** and click the button.

Continued on the next page...

Installing the LPR (Line Printer Remote) Monitor

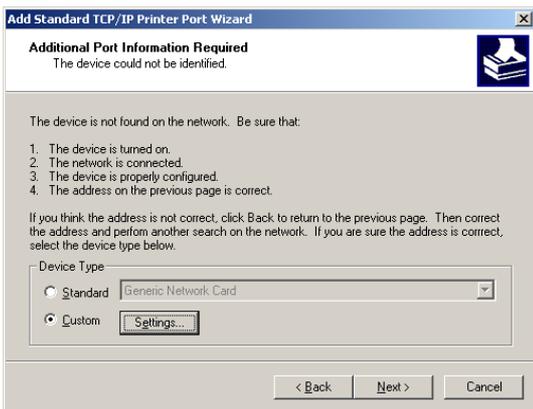
Windows 2000/XP

7



1. In the Protocol section, select **LPR**.
2. In the LPR Settings section, enter the **Queue Name** (e.g. LPR1) and select **LPR Byte Counting Enabled**.
3. Click the **OK** button.

8



Click the **Next** button.

9

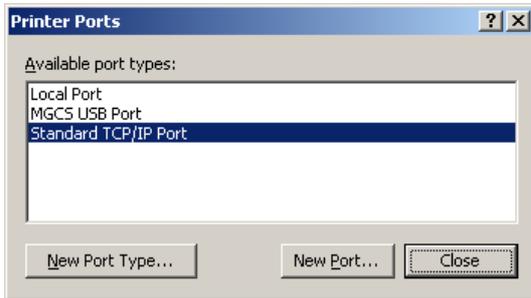


Click the **Finish** button.

Installing the LPR (Line Printer Remote) Monitor

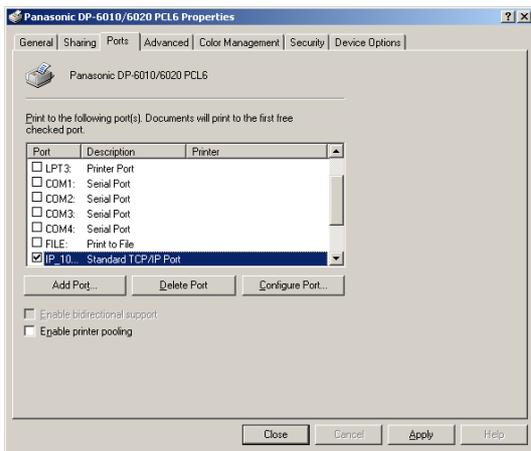
Windows 2000/XP

10



Click the **Close** button.

11



Click the **Apply** button.

Click the **OK** button.

The printer properties dialog box closes and you have now configured the printer as a network printer.

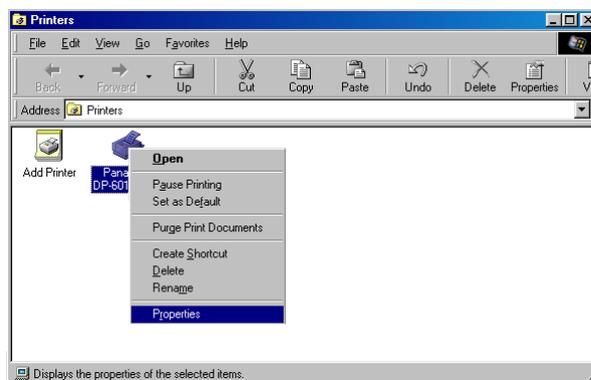
Configuring the Printer Driver Settings

Windows 98/Me

To change the printer settings, open the dialog box for the printer properties by performing the following steps.

- 1** Click the **Start** button, select **Settings**, and then click **Printers**.
- 2** Right-click on the desired printer icon in the **Printers** folder, and select **Properties** in the pop-up menu.

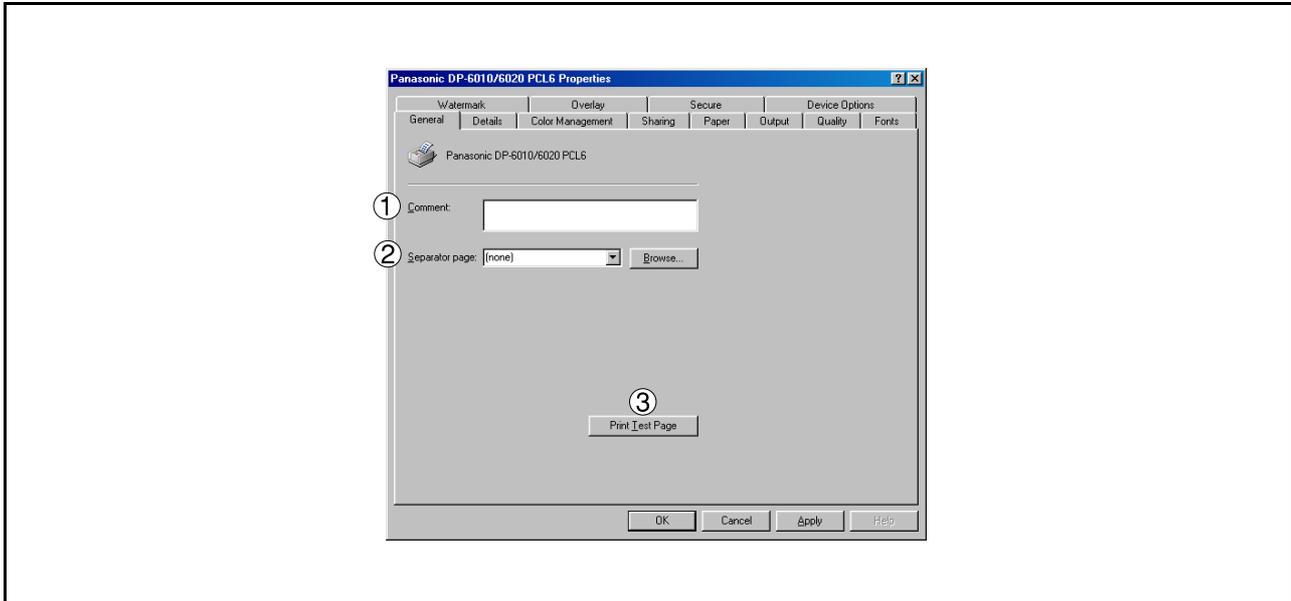
The following printer properties dialog box appears.



Configuring the Printer Driver Settings

Windows 98/Me

General Tab



1. **Comment**

Enter comments to the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an existing user will remain unchanged even if the comment is modified later.

2. **Separator page**

This feature is not available on your machine.

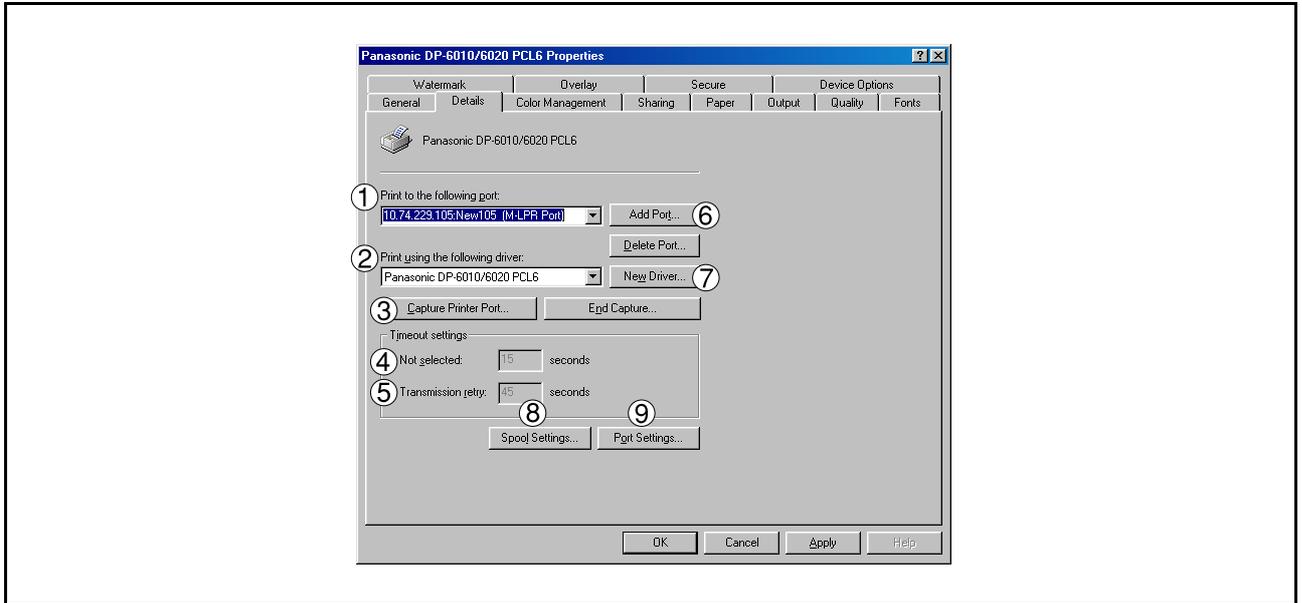
3. **Print Test Page** button

Prints a test page. This allows the user to verify if the printer is installed properly.

Configuring the Printer Driver Settings

Windows 98/Me

Details Tab



1. Print to the following port

Displays either the port where the printer is connected or the path to the network printer.

To change the printing destination, either select the printing destination port from the list or enter the network path here.

2. Print using the following driver

Displays the type of the printer driver. Specify the printer being used or a printer model which can be emulated with the printer being used.

3. / button

Assigns a local port to the network connected printer or cancels a local port assigned to the network printer.

4. Timeout settings - Not selected

Specify the amount of time (in seconds) allowed to elapse before the printer comes online. If the printer is not online within this duration, an error message will be displayed.

5. Timeout settings - Transmission retry

Specify the amount of time (in seconds) allowed to elapse before the printer is ready for printing. If the printer is not ready for printing within this duration, an error message will be displayed.

Increase this value if a timeout error occurs when printing a large document.

6. / button

Adds/deletes a new port or a new network path.

7. button

Updates or modifies the printer driver.

Configuring the Printer Driver Settings

Windows 98/Me

8. **button**

Specify the method of sending (spooling) documents from the program to the printer.

• **Spool Data Format**

Select spool data type (EMF format or RAW format). Specifying RAW format results in a longer time elapsing before an application becomes operational after printing from it.

Note: Spooling by EMF format (enhanced metafile compression) may cause the following problems on some application software.

- 1) Printing result is different from the screen display.
- 2) Printing requires excessive time.

• **Enable bidirectional support**

This setting enables reception of configuration data and status data from the printer.

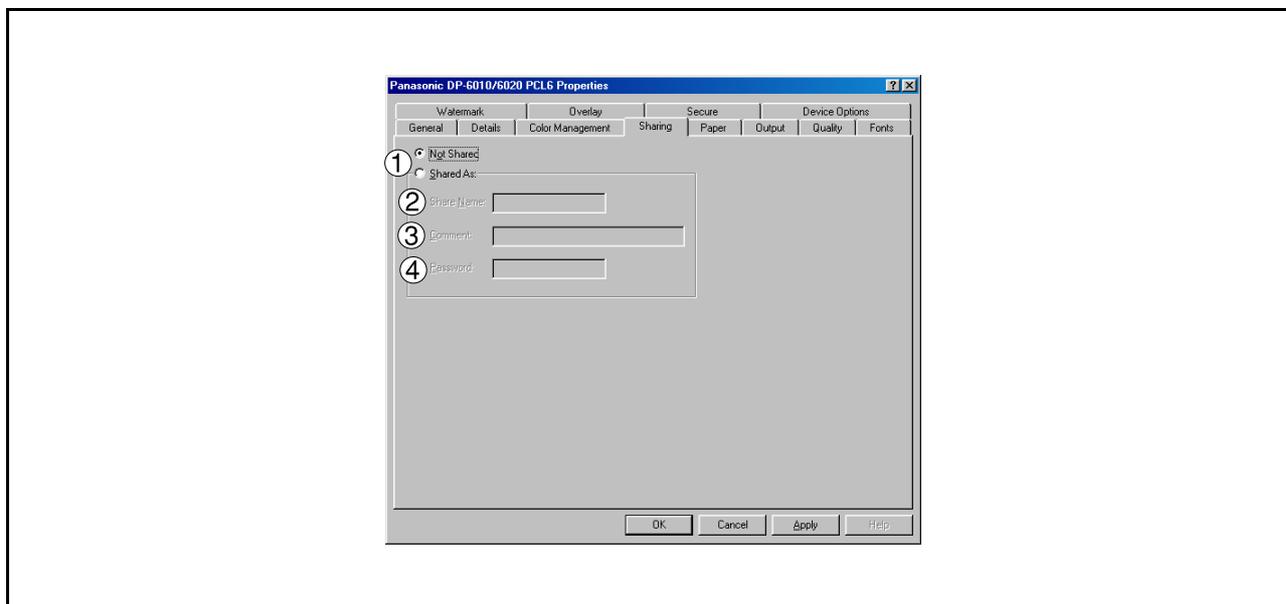
9. **button**

Modifies printer port settings.

Configuring the Printer Driver Settings

Windows 98/Me

Sharing Tab



1. Not Shared/Shared As

Select whether to display or share this printer with other computers.

2. Share Name

Specify the name of the shared printer. The displayed name can be used as it is or a new name may be entered. The name specified here will be displayed when other users view information about the printer on the network.

3. Comment

You can enter comments regarding a shared printer (such as the type of printer and the location where it is installed). When other users view information about the printer on the network, the comment specified here will be displayed.

4. Password

Specify the password required when other users will connect to this printer. Leave the box blank in order not to use any password.

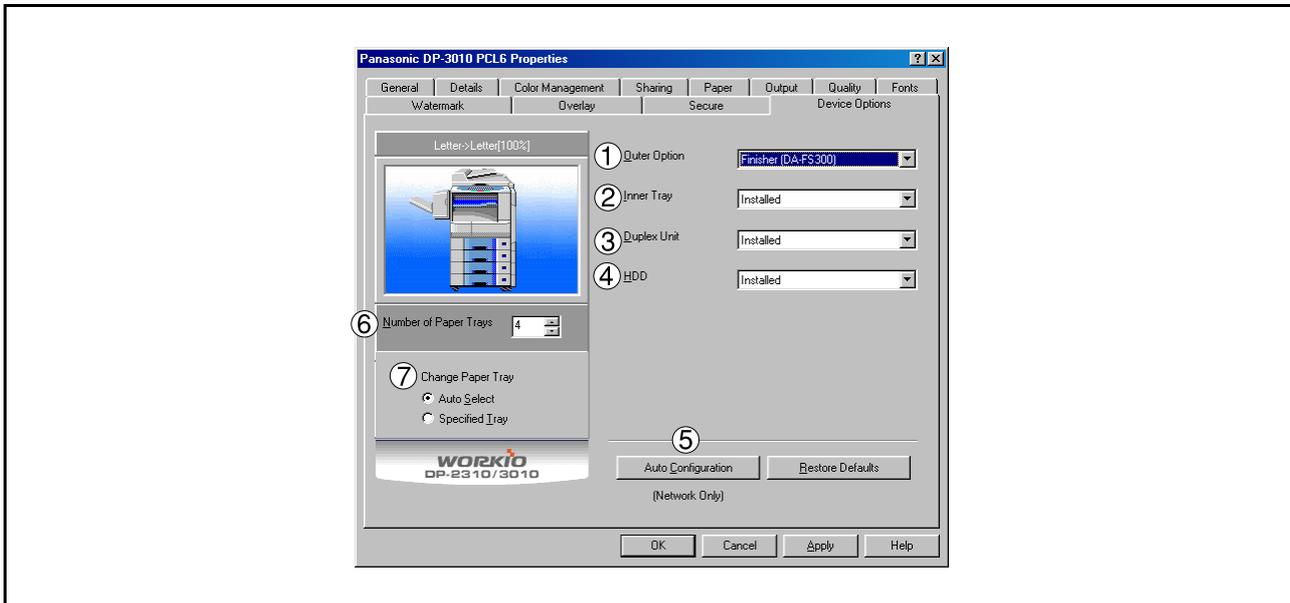
NOTE

1. **Sharing Tab** in property dialog box is not displayed unless printer sharing has been specified.

Configuring the Printer Driver Settings

Windows 98/Me

Device Options Tab (For DP-2310/3010 only)

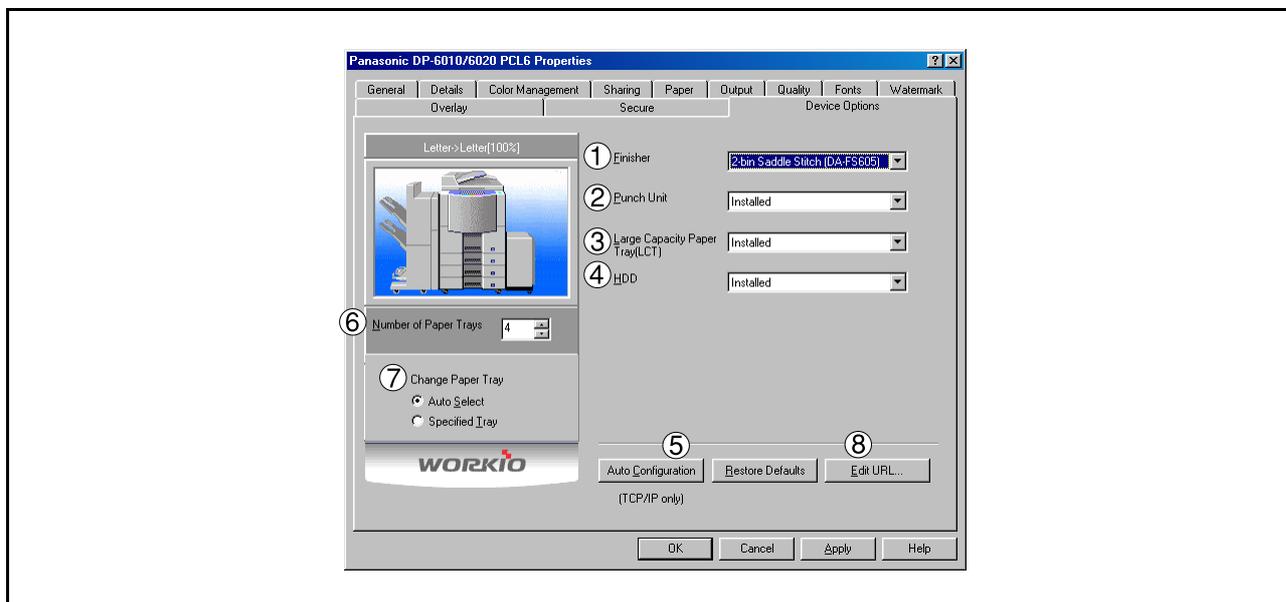


- 1. Outer Option**
Select the installed outer option.
- 2. Inner Tray**
Select **Installed** if the Inner Tray is installed.
- 3. Duplex Unit**
Select **Installed** if the Duplex Unit is installed.
- 4. HDD**
Select **Installed** if the HDD Unit is installed.
- 5. Auto Configuration button**
When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.
- 6. Number of Paper Trays**
Select the number of available paper trays if optional Paper Feed Module(s) are installed.
- 7. Change Paper Tray**
Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

Configuring the Printer Driver Settings

Windows 98/Me

Device Options Tab (For DP-3510/3520/4510/4520/6010/6020 only)



1. **Finisher**

Select the type of finisher if one is installed.

2. **Punch Unit**

Select **Installed** if the Punch Unit is installed.

3. **Large Capacity Paper Tray (LCT)**

Select **Installed** if the Large Capacity Paper Tray is installed.

4. **HDD**

Select **Installed** if the HDD Unit is installed.

5. **Auto Configuration** button

When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.

6. **Number of Paper Trays**

Select the number of available paper trays if optional Paper Feed Module(s) are installed.

7. **Change Paper Tray**

Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

8. **Edit URL...** button (DP-3520/4520/6020, For USA only)

Edit the URL address that will be displayed when clicking the **Support Contacts (W)...** button of the Paper Tab (see page 68).

Configuring the Printer Driver Settings

Windows 98/Me

URL Support Information

URL 1 Title: Support

URL 1:

Contact 1:

URL 2 Title: Supplies

URL 2:

Contact 2:

URL 3 Title: Sales

URL 3:

Contact 3:

URL 4 Title: Network Support

URL 4:

Contact 4:

OK Cancel

- **URL Title**
Enter an applicable URL title.
- **URL**
Enter the URL address to be associated to the button of the Paper Tab.
- **Contact**
Enter applicable contact information (i.e.: The email address of the contact person)

NOTE

1 **Device Options** Tab specifies device-specific settings and settings of optional devices.

Configuring the Printer Driver Settings

Windows 98/Me

Paper/Output/Quality/Fonts/Watermark/Overlay/Secure Tab

Refer to All Windows Common Settings (see pages 66 - 78).

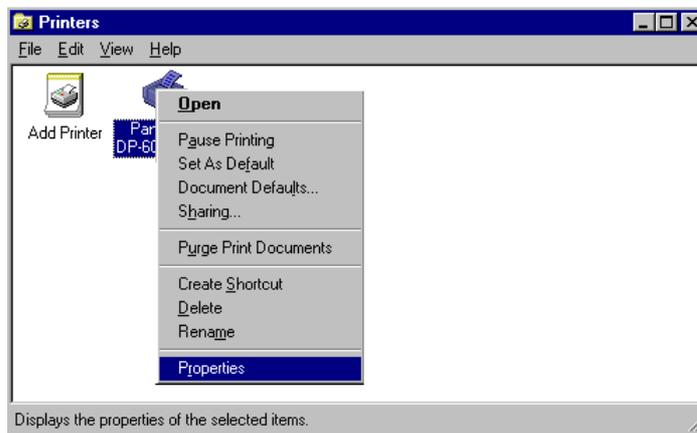
Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

To change the printer settings, open the dialog box for the printer properties by performing the following steps.

- 1** Logon to the computer/network using an account with administrator rights. (See Note 1)
- 2** Click the **Start** button, select **Settings**, and then click **Printers**.
- 3** Right-click on the desired printer icon in the **Printers** folder, and select **Properties** in the pop-up menu.

The printer properties dialog box appears.



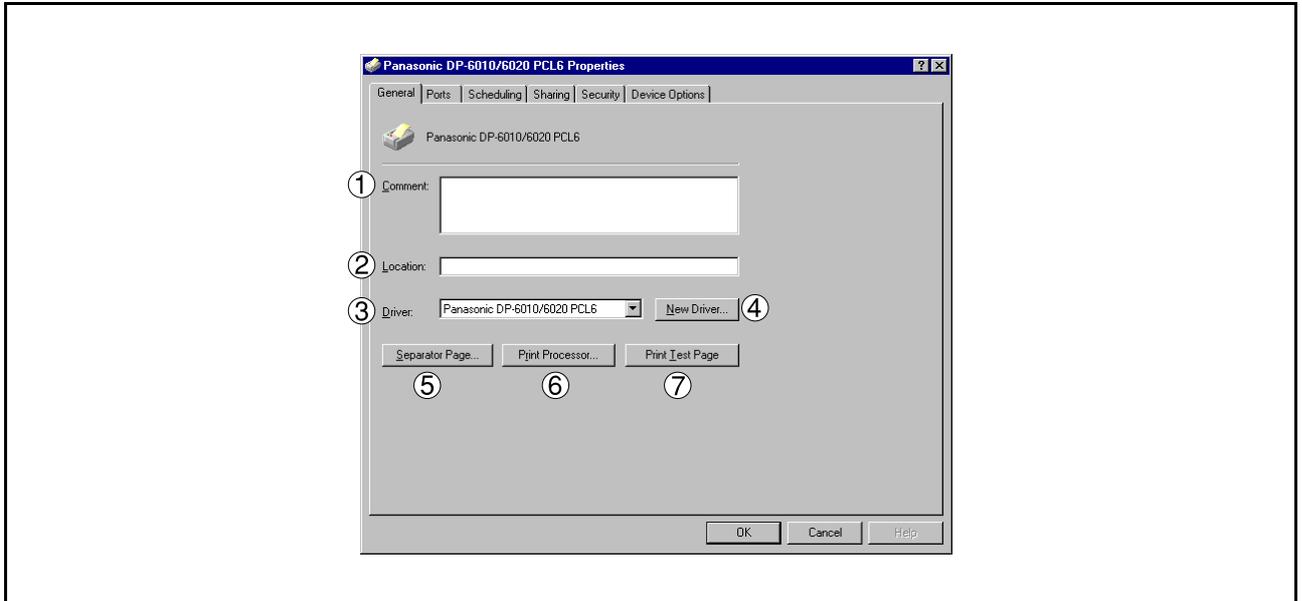
NOTE

1. In Windows NT 4.0, setting the properties depends on the logon account. This section describes properties to be specified by the administrator (system manager). See "Configuring the Printer Driver Settings (User)" for details on user properties. (See page 54)

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

General Tab



1. **Comment**

Enter comments to the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an existing user will remain unchanged even if the comment is modified later.

2. **Location**

Specifies the printer location.

3. **Driver**

Displays the printer driver type. Specify the printer being used or a printer model that can be emulated with the printer being used.

4. **New Driver...** button

Updates or modifies the printer driver.

5. **Separator Page...** button

This feature is not available on your machine.

6. **Print Processor...** button

Specify the processor to be used for printing (Print Processor) and the data type (Default Data type).

The processor and data type affect the manner in which the printer functions in Windows NT. Normally they do not need to be modified. However, modification might be necessary when the printer is used with a special application.

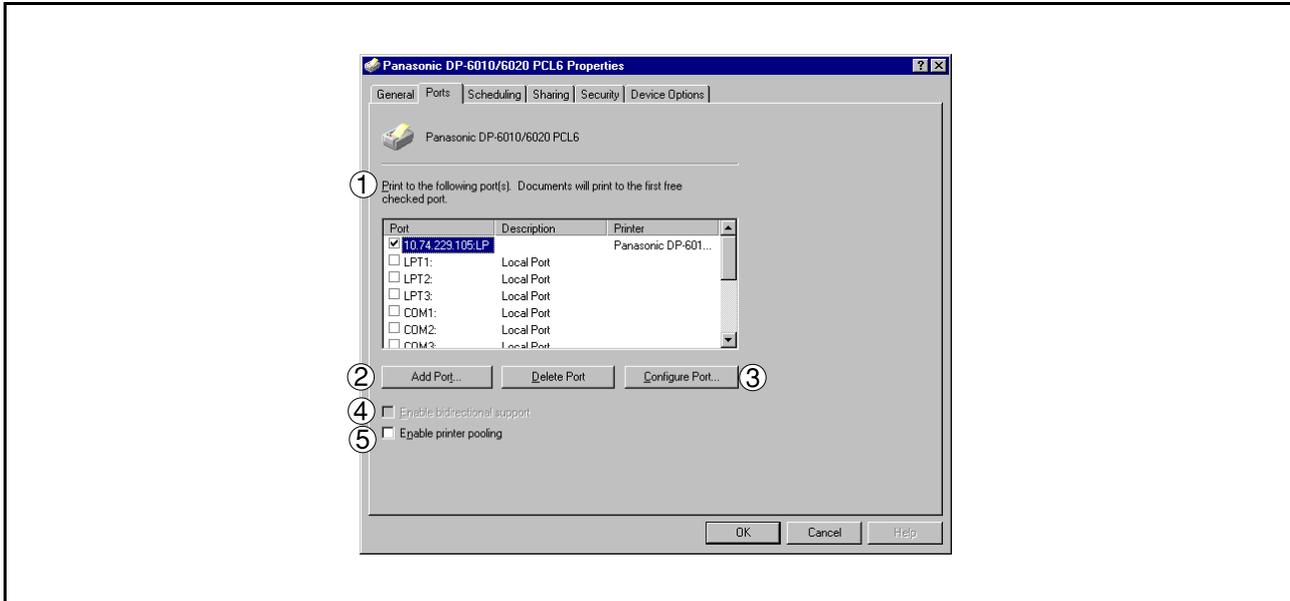
7. **Print Test Page** button

Prints a test page. This allows the user to verify if the printer is installed properly.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Ports Tab



1. Print to the following port(s)

Displays a list of available ports for printing (Port), their status (Description) and printers that are connected to these ports (Printer).

2. **Add Port...** / **Delete Port** button

Adds/deletes a new port or a new network path.

3. **Configure Port...** button

Configures the selected port. In case of a parallel port, Transmission Retry should be specified. (See Note 1 and 2)

4. Enable bidirectional support

This setting enables reception of configuration data and status data from the printer.

5. Enable printer pooling

Printer pooling allows data sent to one logical printer to be received and printed by two or more printers. With printer pooling enabled, a transmitted printing job is output to the first printer that is ready for printing.

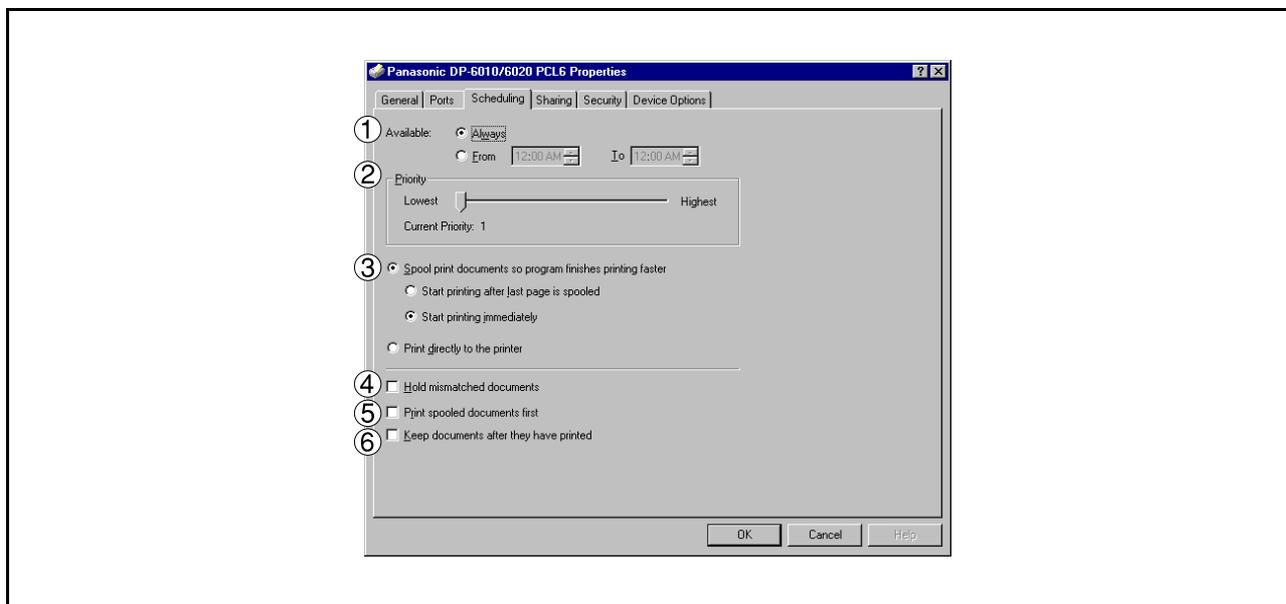
NOTE

1. Specify time (seconds) waiting for the printer to be ready for printing. If a printer is not ready for printing after the specified time has elapsed, an error message is displayed.
2. If a timeout error occurs frequently upon printing a large size document, specify a larger value here.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Scheduling Tab



1. Available

Schedules when the printer is available for operation. Specify operating hours when **From-To** is selected.

2. Priority

Sets printing priority. The slider allows the priority to be adjusted from 1 through 99.

3. Spool print documents... / Print directly to the printer

Specify how documents should be sent from an application to the printer.

4. Hold mismatched documents

The spooler compares document settings against printer settings and holds printing of a document if its settings (paper size, orientation, etc.) do not match the printer settings.

5. Print spooled documents first

Always prints spooled documents first regardless of printing priority.

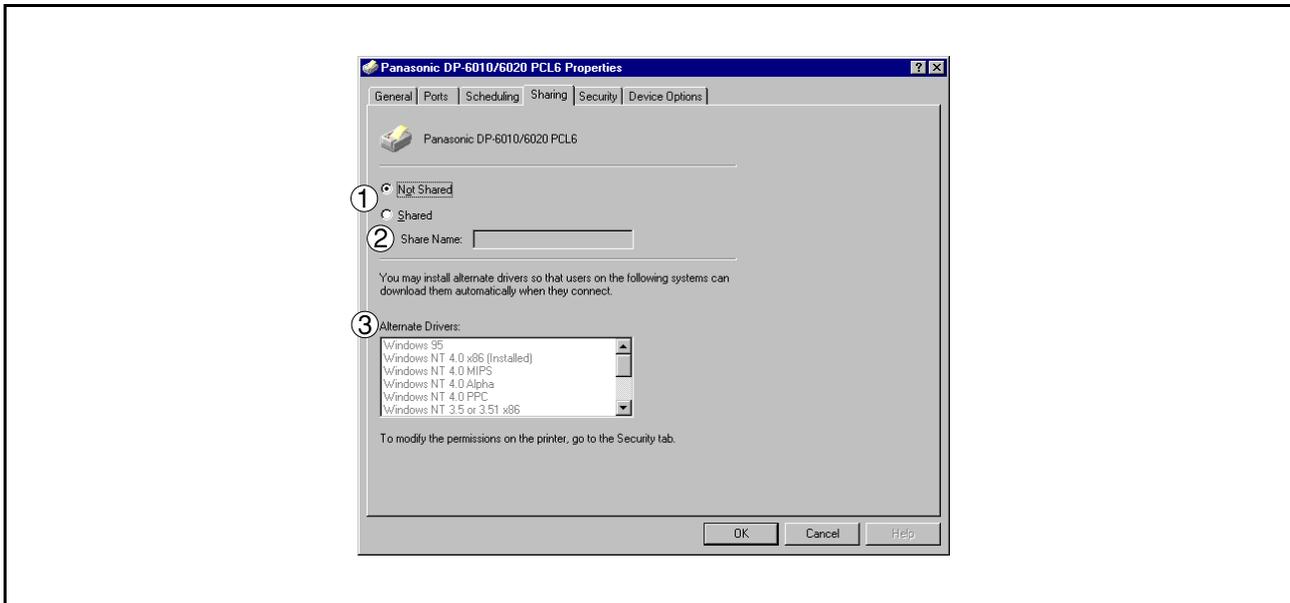
6. Keep documents after they have printed

Holds documents in the print queue even after they have been printed. These documents can be printed again directly from the queue regardless of the state the application is in.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Sharing Tab



1. Not Shared/Shared

Select whether to display or share this printer with other computers.

2. Share Name

Specify the name of the shared printer. The displayed name can be used as it is or a new name may be entered. The name specified here will be displayed when other users view information about the printer on the network.

3. Alternate Drivers (See Note 1)

Allows other operating systems' printer drivers to be loaded. When users of these operating systems connect to the printer, the printer driver is automatically loaded.

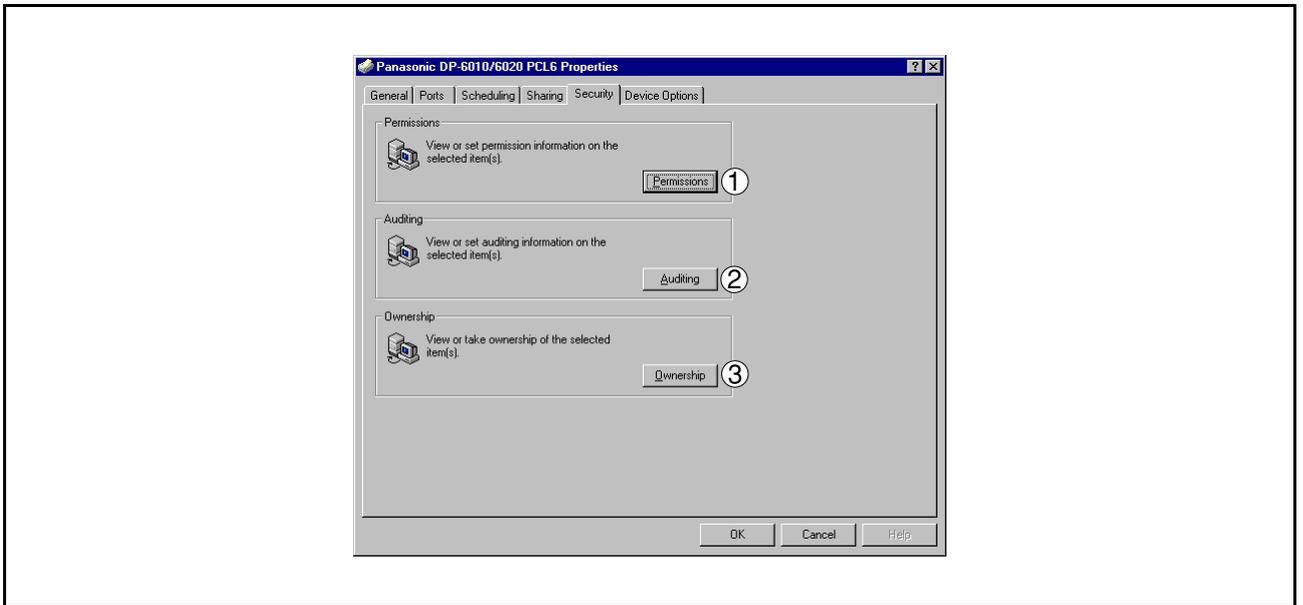
NOTE

1. When sharing a printer on the network, the print driver needs to be installed on the print server only, other computers will automatically copy and use that driver. For this reason, the print server must be ready with printer drivers for all the operating systems of all the computers that will be sharing the printer.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Security Tab



1. **Permissions** button
Set printer access privileges.
2. **Auditing** button
Displays the users who have used this printer and how they used it.
3. **Ownership** button
Set the ownership of the printer.

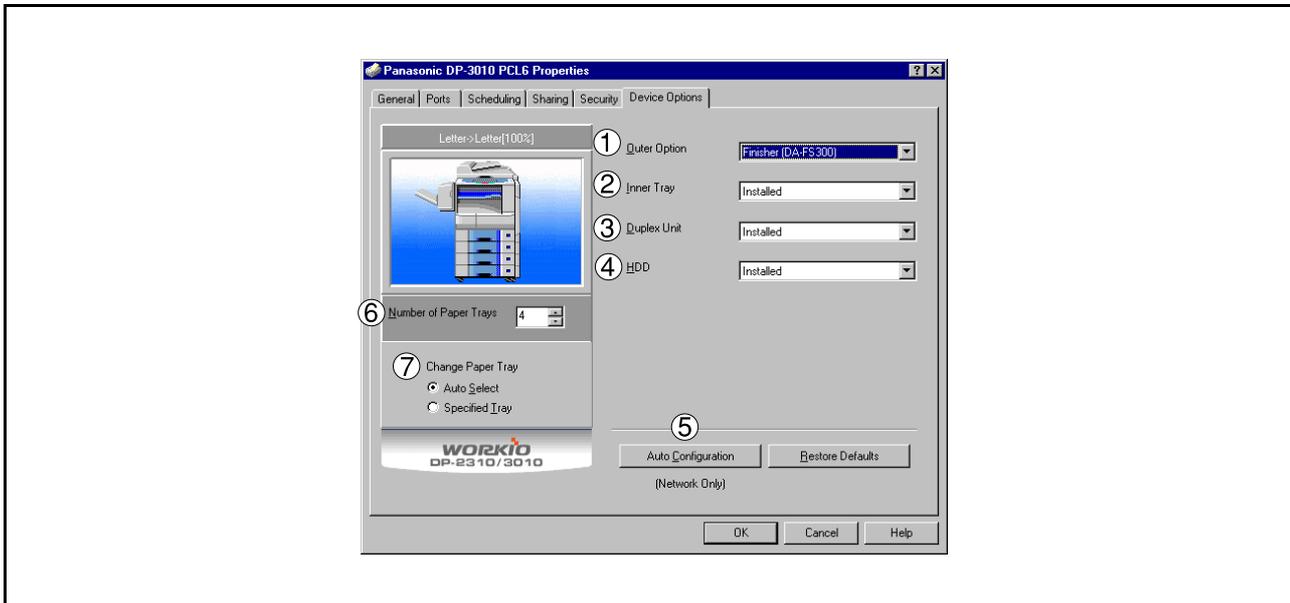
NOTE

1. In order to utilize these features, first you need to select Audit... from User Manager's Policies and enable File and Object Access in the Audit Policy dialog box.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Device Options Tab (For DP-2310/3010 only)

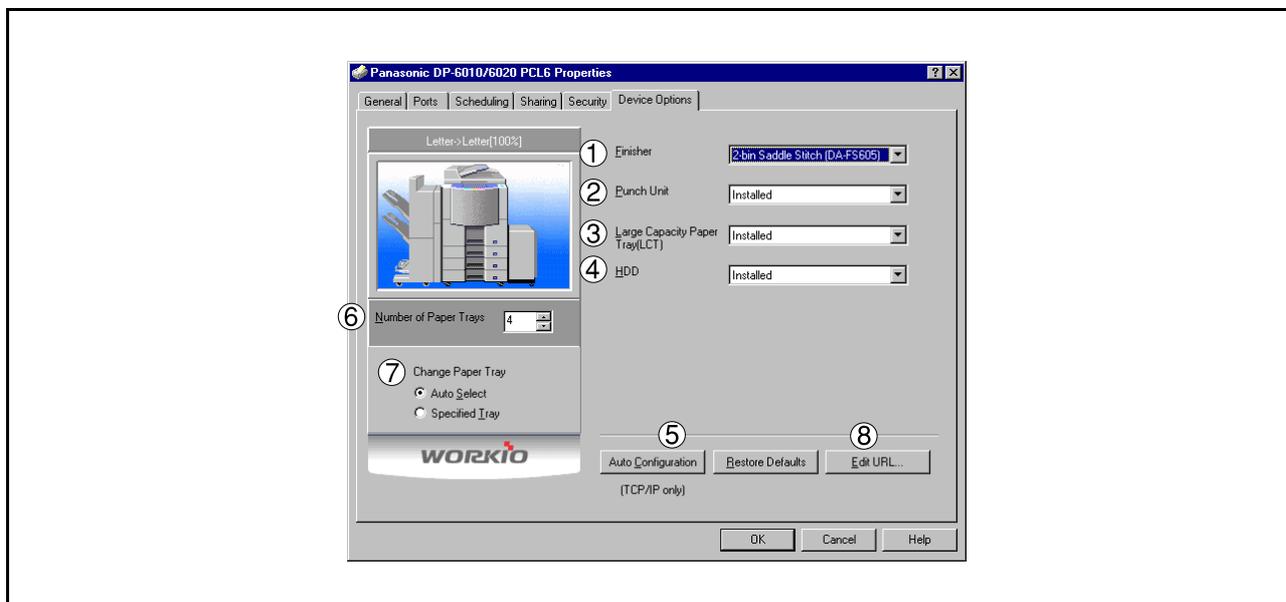


- 1. Outer Option**
Select the installed outer option.
- 2. Inner Tray**
Select **Installed** if the Inner Tray is installed.
- 3. Duplex Unit**
Select **Installed** if the Duplex Unit is installed.
- 4. HDD**
Select **Installed** if the HDD Unit is installed.
- 5. Auto Configuration button**
When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.
- 6. Number of Paper Trays**
Select the number of available paper trays if optional Paper Feed Module(s) are installed.
- 7. Change Paper Tray**
Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

Device Options Tab (For DP-3510/3520/4510/4520/6010/6020 only)



1. Finisher

Select the type of finisher if one is installed.

2. Punch Unit

Select **Installed** if the Punch Unit is installed.

3. Large Capacity Paper Tray (LCT)

Select **Installed** if the Large Capacity Paper Tray is installed.

4. HDD

Select **Installed** if the HDD Unit is installed.

5. **Auto Configuration** button

When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.

6. Number of Paper Trays

Select the number of available paper trays if optional Paper Feed Module(s) are installed.

7. Change Paper Tray

Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

8. **Edit URL...** button (DP-3520/4520/6020, For USA only)

Edit the URL address that will be displayed when clicking the **Support Contacts (W)...** button of the Paper Tab (see page 68).

Configuring the Printer Driver Settings

Windows NT 4.0 (Administrator)

URL Support Information

URL 1 Title: Support

URL 1:

Contact 1:

URL 2 Title: Supplies

URL 2:

Contact 2:

URL 3 Title: Sales

URL 3:

Contact 3:

URL 4 Title: Network Support

URL 4:

Contact 4:

OK Cancel

- **URL Title**
Enter an applicable URL title.
- **URL**
Enter the URL address to be associated to the button of the Paper Tab.
- **Contact**
Enter applicable contact information (i.e.: The email address of the contact person)

NOTE

1 **Device Options** Tab specifies device-specific settings and settings of optional devices.

Configuring the Printer Driver Settings

Windows NT 4.0 (User)

To change the printer settings, open the dialog box for the printer properties by performing the following steps.

- 1** Select **Print** in the **File** menu of the application.
- 2** Select the printer model in the name list box.
- 3** Click the button in the **Print** dialog box.
- 4** The printer properties dialog box appears. Click the desired tabs of the dialog box and specify the properties.
(See Note 1)
(See pages 66 - 78)

NOTE

1. In Windows NT 4.0, setting properties depends on the logon account. This section describes properties to be specified by a user, upon executing a print operation in an application. See "Configuring the Printer Driver Settings (Administrator)" for details on administrator properties. (See page 45)

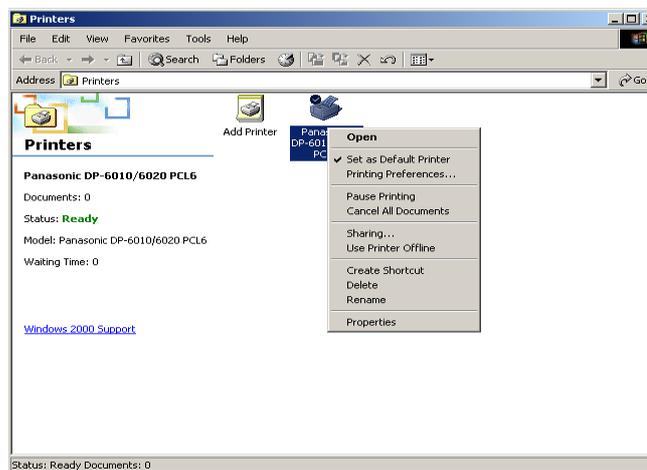
Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

To change the printer settings, open the dialog box for the printer properties by performing the following steps.

- 1** Logon to the computer/network using an account with administrator rights.
- 2** Click the **Start** button, select **Settings**, and then click **Printers**.
- 3** Right-click on the desired printer icon in the **Printers** folder, and select **Properties** in the pop-up menu.

The following printer properties dialog box appears.
(See Note 1)



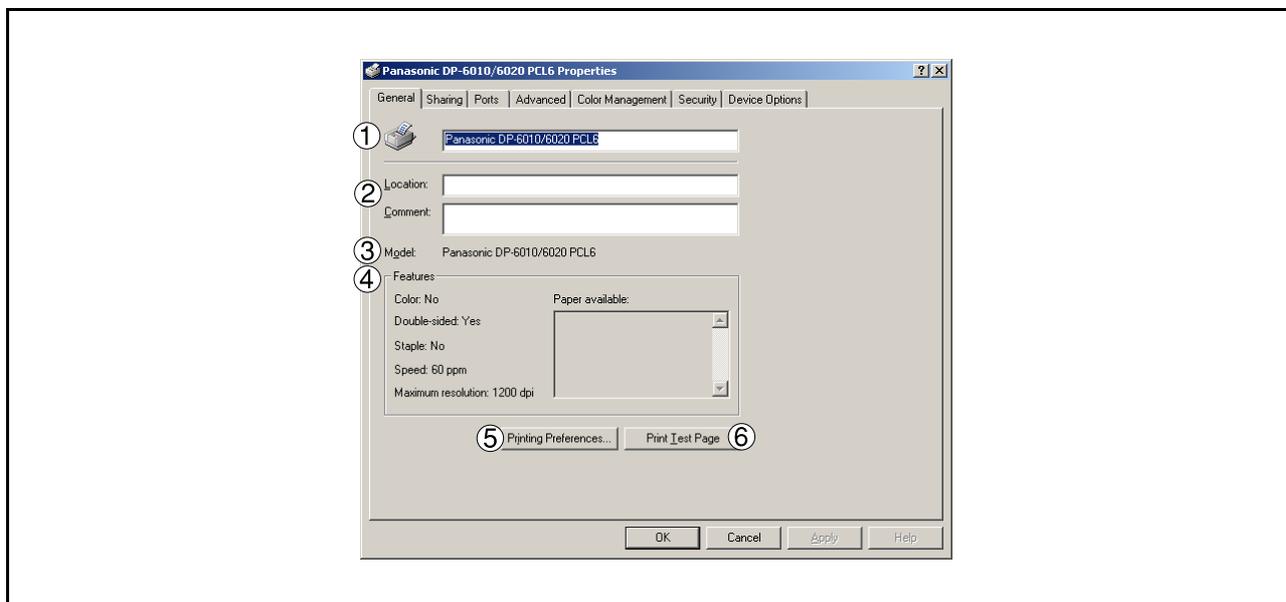
NOTE

- In Windows 2000/XP, setting the properties depends on the logon account. This section describes properties to be specified by the administrator (system manager). See "Configuring the Printer Driver Settings" for details on user properties. (See page 65)*

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

General Tab



1. Printer Name

Name of the printer specified upon installation is displayed.

2. Location and Comment

Enter a comment about the location of the printer installation and information about the printer.

If a printer is shared, the location and comments specified in this field appear when another user sets up this printer on his/her computer. After completion of setup, however, changing this comment does not update the location and comment appearing on users PCs.

3. Model

Model name of the printer is displayed.

4. Features

Functions and settings of the printer are displayed.

5. Printing Preferences... button

Changes properties (print settings) specifiable for each user.

Refer to "Configuring the Printer Driver Settings (User)" for details on settings (see page 65).

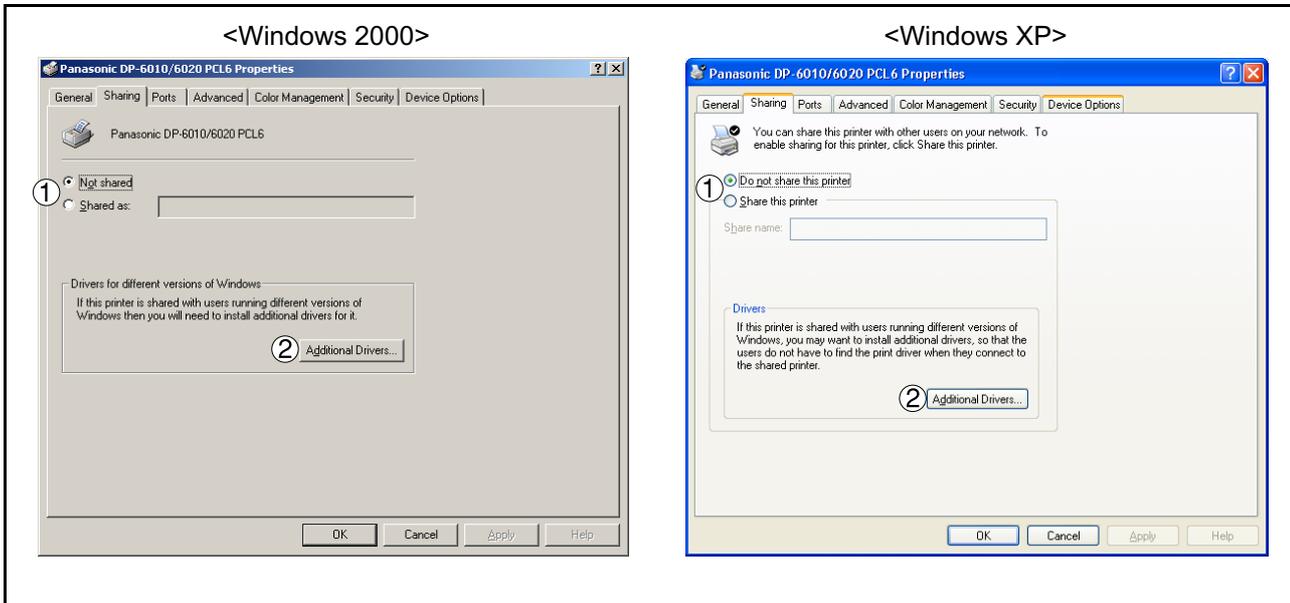
6. Print Test Page button

Prints a test page. This allows the user to verify if the printer is installed properly.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Sharing Tab



1. Not shared/Shared as (Do not share this printer/Share this printer)

Specify if this printer is displayed or shared with other computers.

For sharing a printer, specify the share name of a printer to be shared. A name specified here appears when other users view the printer information on a network.

2. Additional Drivers... button

Install additional printer drivers on the system. (See Note 1)

When users running different versions of Windows share a printer, installing additional drivers avoids the need for installing new drivers on their systems.

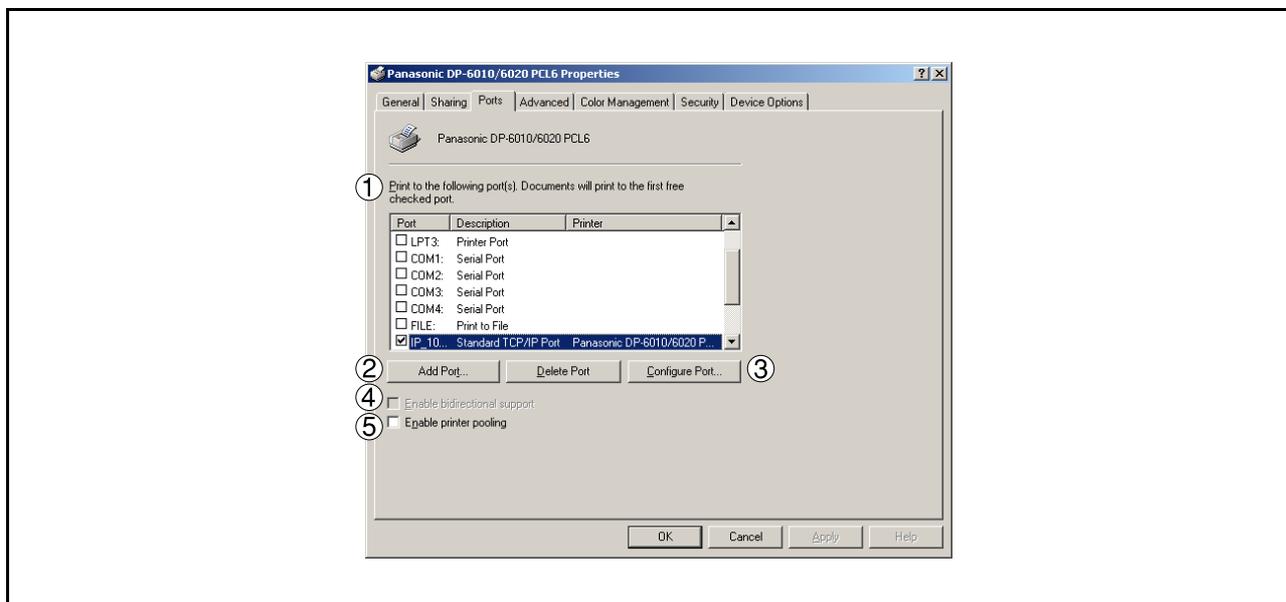
NOTE

1. When sharing a printer on the network, the print driver needs to be installed on the print server only, other computers will automatically copy and use that driver. For this reason, the print server must be ready with printer drivers for all the operating systems of all the computers that will be sharing the printer.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Ports Tab



1. Print to the following port(s)

Displays a list of ports that allow printing, their status (description), and printers connected to the ports.

2. Add Port... / Delete Port button

Adds/deletes a new port or a new network path.

3. Configure Port... button

Configure the port that is selected. On a parallel port, wait time (in seconds) for retransmission is specified.(See Note 1)

4. Enable bidirectional support

This setting enables reception of configuration data and status data from the printer.

5. Enable printer pooling

Printer pooling allows data sent to one logical printer to be received and printed by two or more printers. With printer pooling enabled, a transmitted printing job is output to the first printer that is ready for printing.

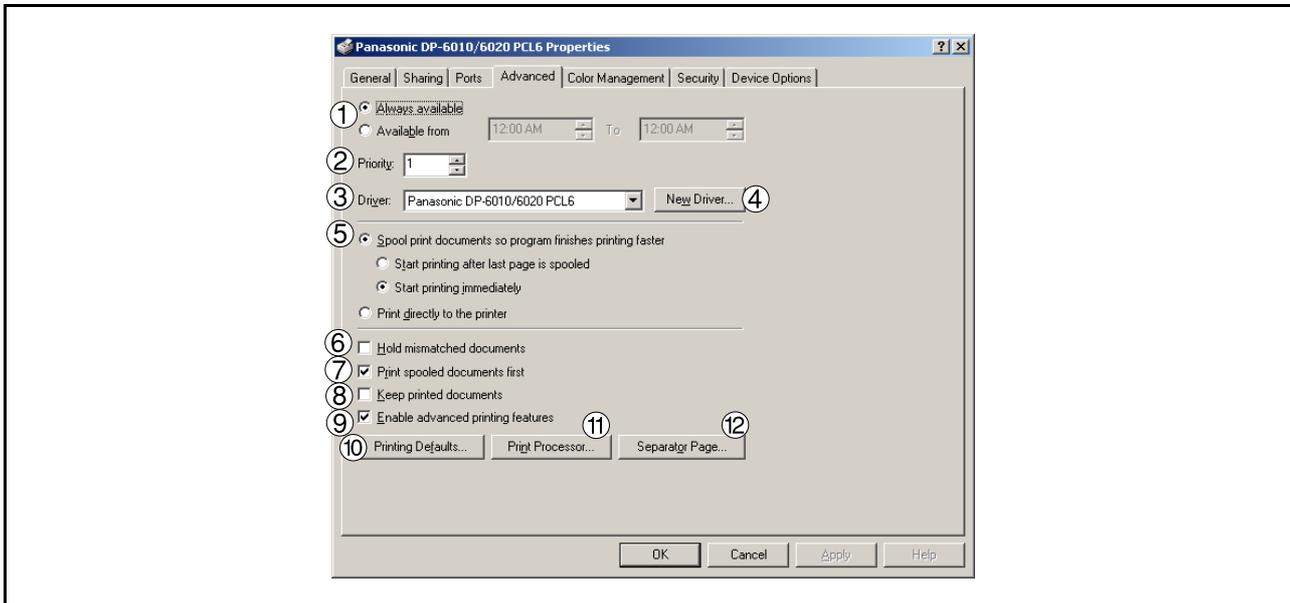
NOTE

1. Specify the time (seconds) waiting for the printer to be ready for printing. If the printer is not ready for printing after the specified time has elapsed, an error message is displayed. If a timeout error occurs frequently upon printing a large size document, specify a larger value here.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Advanced Tab



1. Always available/Available from

Specify the operating schedule for a printer. Selecting **Available from** allows specifying an available operation time.

2. Priority

Specify the priority in printing. Priority is adjustable from 1 to 99. Documents of higher priority are printed before those of lower priority.

3. Driver

Displays the printer driver type. Specify the printer being used or a printer model that can be emulated with the printer being used.

4. **New Driver...** button

Updates or modifies the printer driver.

5. Spool print documents so program finishes printing faster

Specify the method of sending a document from the program to the printer.

6. Hold mismatched documents

The spooler compares document settings against printer settings and holds printing of a document if its settings (paper size, orientation, etc.) do not match the printer settings.

7. Print spooled documents first

Always prints spooled documents first regardless of printing priority.

8. Keep printed documents

After printing, documents are kept in the queue. The documents are allowed to be reprinted directly from the queue regardless of the status of an application.

Continued on the next page...

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

9. Enable advanced printing features

Enables advanced printing features. Optional printer features (page ordering, booklet printing, numbering on sheets) are enabled. These features can be disabled if a problem occurs due to incompatibility. Disabling the features may also disable the printing options.

10. button

Specifies standard (default) values for the properties (print settings) specifiable for each user. If a local printer is shared, the settings here are used as printing defaults for other users.

Refer to "Configuring the Printer Driver Settings (User)" for detailed settings. (See page 65)

11. button

Specify a print processor and data type to be used for printing.

The processor and data type define operations of printers under Windows 2000/XP.

Usually no change is required in the settings. Use of a printer from some applications, however, may require changes in the settings.

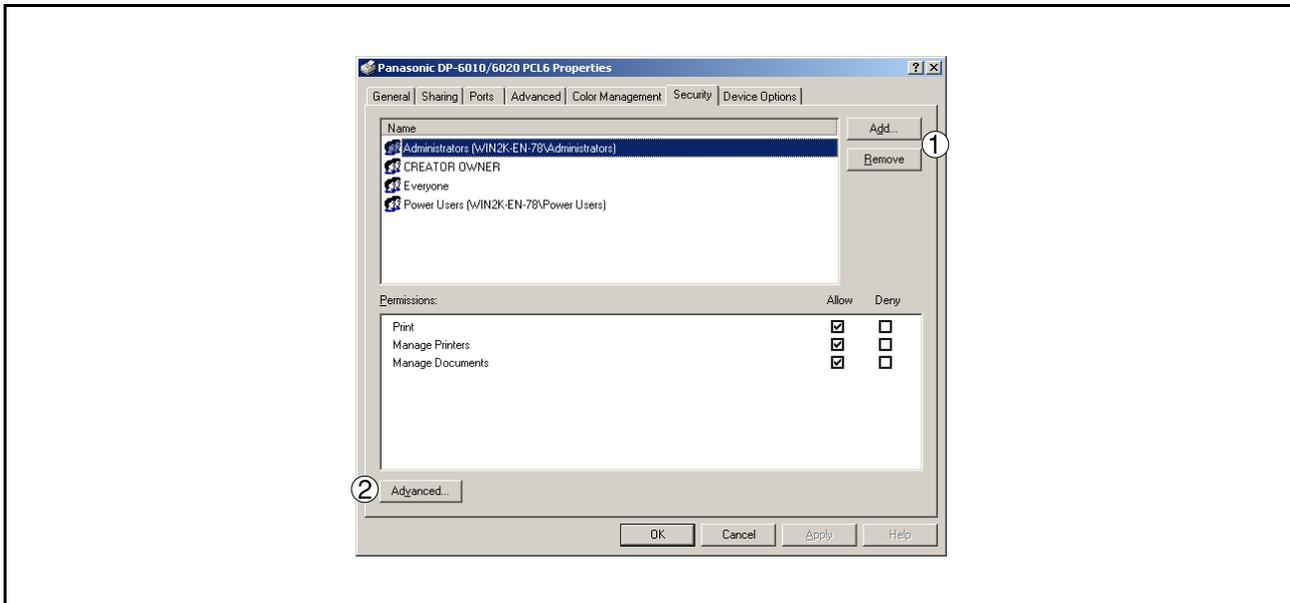
12. button

This feature is not available on your machine.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Security Tab



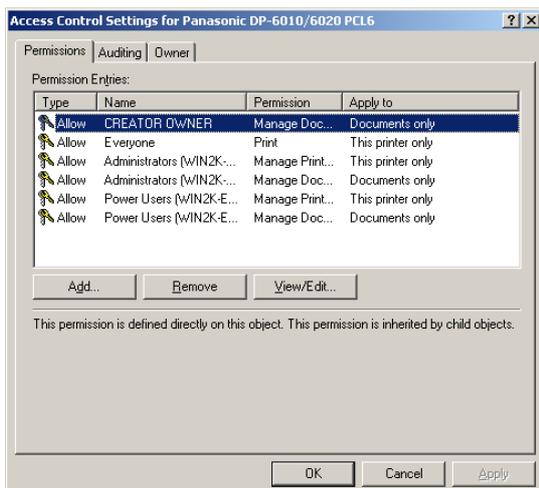
Displays a list of users and groups to whom printer access is assigned to. A list of standard permissions for each group or user is displayed. Check or uncheck the checkboxes for permitting or prohibiting access. Gray checkbox indicates the permission inheritance.

1. **Add...** / **Remove** button

Add or delete a user or group from the list.

2. **Advanced...** button

Specify access to a printer, audit, and owner. (See Note 1 and 2)



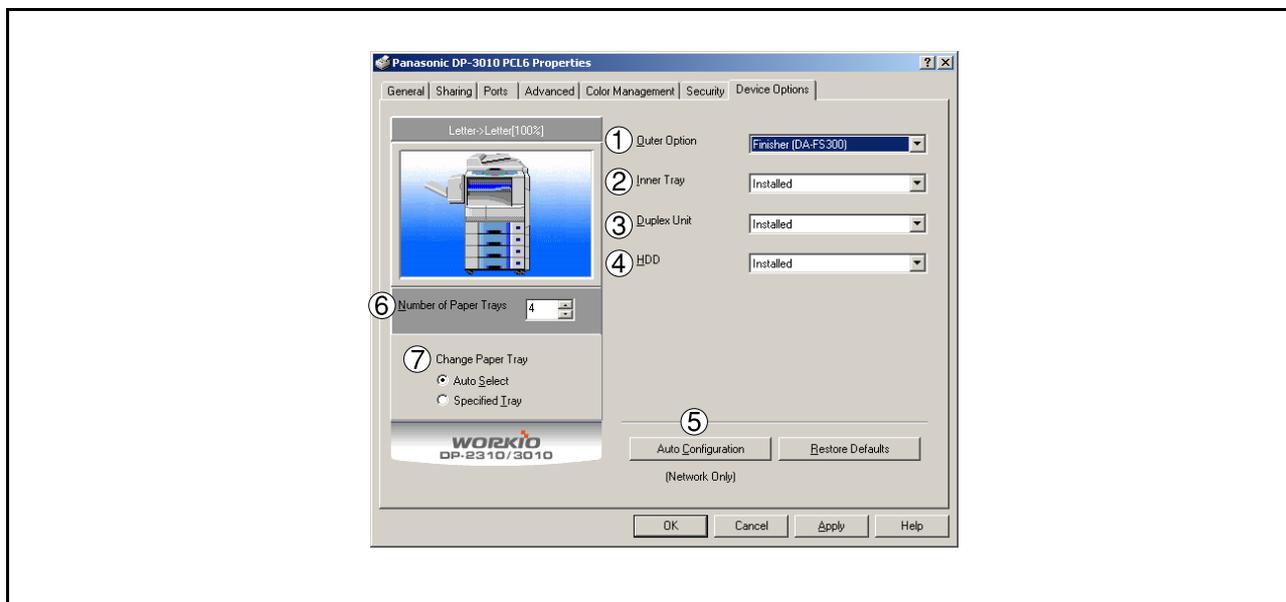
NOTE

1. Windows 2000 provides the capability of managing access to various objects (e.g. printers) by users.
2. Refer to the Windows 2000 documentation for details on access permission, audit, and owner.
3. The Security Tab is not shown in Windows XP.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Device Options Tab (For DP-2310/3010 only)



1. Outer Option

Select the installed outer option.

2. Inner Tray

Select **Installed** if the Inner Tray is installed.

3. Duplex Unit

Select **Installed** if the Duplex Unit is installed.

4. HDD

Select **Installed** if the HDD Unit is installed.

5. **Auto Configuration** button

When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.

6. Number of Paper Trays

Select the number of available paper trays if optional Paper Feed Module(s) are installed.

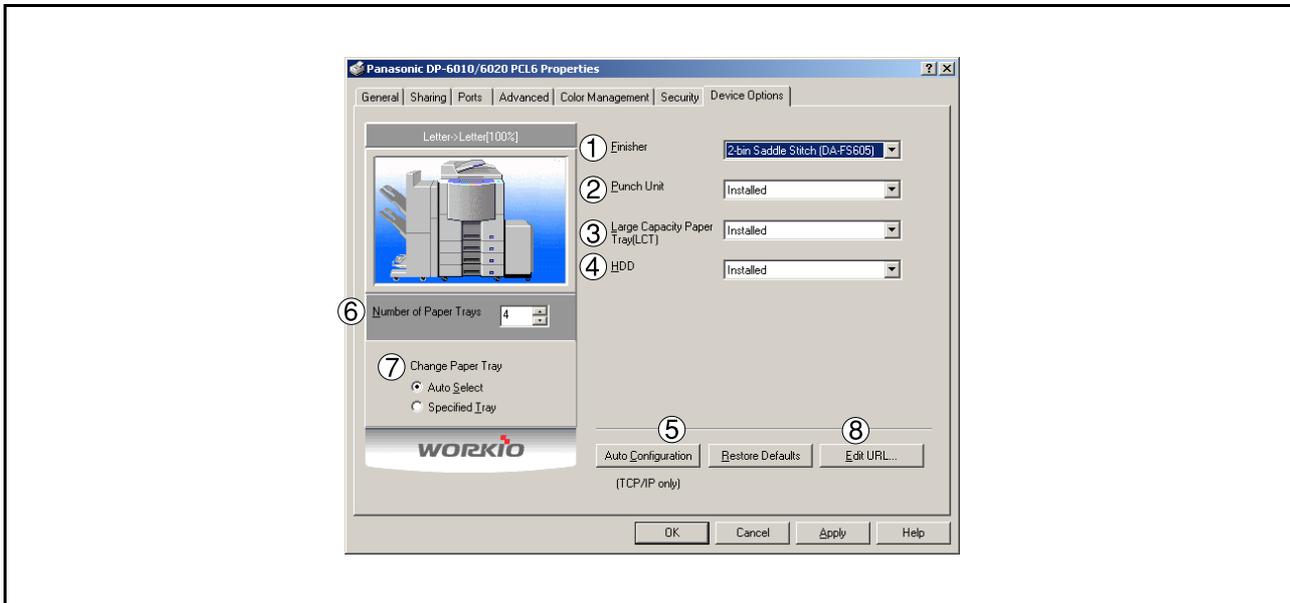
7. Change Paper Tray

Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

Device Options Tab (For DP-3510/3520/4510/4520/6010/6020 only)



1. Finisher

Select the type of finisher if one is installed.

2. Punch Unit

Select **Installed** if the Punch Unit is installed.

3. Large Capacity Paper Tray (LCT)

Select **Installed** if the Large Capacity Paper Tray is installed.

4. HDD

Select **Installed** if the HDD Unit is installed.

5. **Auto Configuration** button

When your machine is connected onto the network (TCP/IP), click this button to set the Options Configuration automatically.

6. Number of Paper Trays

Select the number of available paper trays if optional Paper Feed Module(s) are installed.

7. Change Paper Tray

Auto Select, when chosen, allows the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If Specified Tray is selected, the machine will stop if paper runs out in the chosen paper tray.

Configuring the Printer Driver Settings

Windows 2000/XP (Administrator)

8. **Edit URL...** button (DP-3520/4520/6020, For USA only)

Edit the URL address that will be displayed when clicking the **Support Contacts (W)...** button of the Paper Tab (see page 68).

URL 1 Title:	Support
URL 1:	
Contact 1:	
URL 2 Title:	Supplies
URL 2:	
Contact 2:	
URL 3 Title:	Sales
URL 3:	
Contact 3:	
URL 4 Title:	Network Support
URL 4:	
Contact 4:	

- **URL Title**
Enter an applicable URL title.
- **URL**
Enter the URL address to be associated to the **Support Contacts (W)...** button of the Paper Tab.
- **Contact**
Enter applicable contact information (i.e.: The email address of the contact person)

NOTE

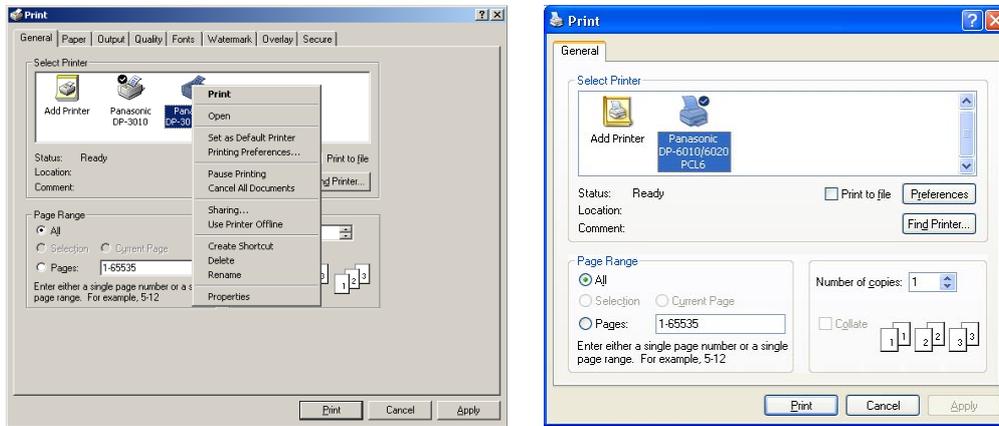
1 **Device Options** Tab specifies device-specific settings and settings of optional devices.

Configuring the Printer Driver Settings

Windows 2000/XP (User)

Changes the printer settings. Display the printer settings dialog box by performing the steps below:

- 1 Select **Print** in the **File** menu of the application.



- 2 Select the printer model in the name list box.
- 3 Right-click on the desired printer icon and select the **Properties...** menu or click the **Preferences** button in the **Print** dialog box.
- 4 The printer properties dialog box appears. Click the desired tabs of the dialog box and specify the properties.
(See Note 1)
(See pages 66 - 78)

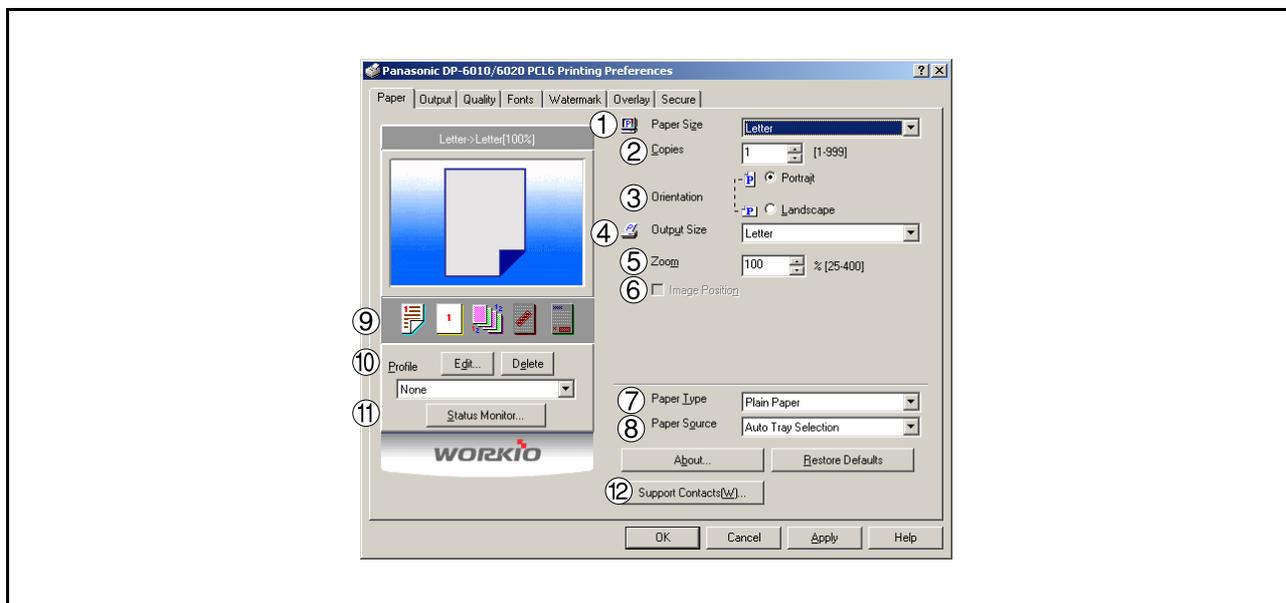
NOTE

1. In Windows 2000/XP, setting the properties depends on the logon accounts. This section describes properties to be specified by a user, upon executing a print operation in an application. See "Configuring the Printer Driver Settings (Administrator)" for details on administrator (system manager) properties. (See page 55)

Configuring the Printer Driver Settings

All Windows Common Settings

Paper Tab



1. Paper Size

Select a document size.

2. Copies(1-999)

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

3. Orientation

Specifies how the document is positioned on the page. Portrait orients the print vertically. Landscape orients the print horizontally. If available, Rotated Landscape rotates the paper 90 degrees counterclockwise.

4. Output Size

Specifies the paper size to use. The various paper sizes listed match those supported by your printer.

5. Zoom (25-400%)

Specify an enlargement or reduction percentage when printing documents. If enlargement/reduction can be set within the application, indicate 100% here and specify the enlargement/reduction percentage in the Print dialog box of the application.

Note:

If the **Resolution** on the Quality Tab is set to **600 dpi** or **1200 dpi**, the zoom ratio is changed depending on the paper size.

Ledger : 25 - 320%

Legal : 25 - 390%

A3 : 25 - 330%

B4 : 25 - 380%

Others : 25 - 400%

6. Image Position

Specify the image position when setting the zoom ratio.

7. Paper Type

Paper Type Setting.

Configuring the Printer Driver Settings

All Windows Common Settings

8. Paper Source

Specify where the paper you want to use is located in the device. If you choose **Auto Tray Selection**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

9. Print Properties Status Icons

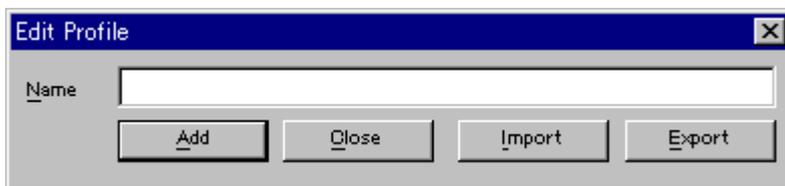
Show the current selections for the following properties.

- Paper Style (Output Tab)
- N in 1 (Output Tab)
- Sort (Output Tab)
- Watermark
- Overlay

10. Profile

- **Edit...** button

Edits the print properties setting.



Add : Enter the Profile Name and click the **Add** button to save the current properties setting.

Close : Close the Edit Profile window.

Import : Import the exported print properties file.
<File Type>
For DP-2310/3010: *.l2
For DP-3510/3520/4510/4520/6010/6020: *.m

Export : Export the print properties file saved on your PC.
<File Type>
For DP-2310/3010: *.l2
For DP-3510/3520/4510/4520/6010/6020: *.m

- **Delete...** button

Deletes the print properties setting.

11. **Status Monitor** button

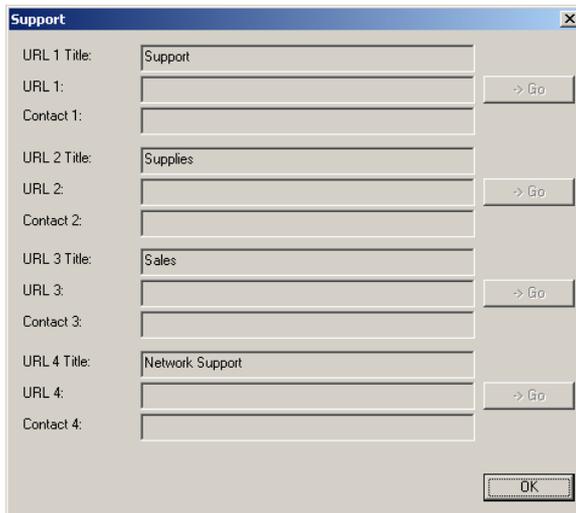
Recalls the Network Status Monitor.

Continued on the next page...

Configuring the Printer Driver Settings

All Windows Common Settings

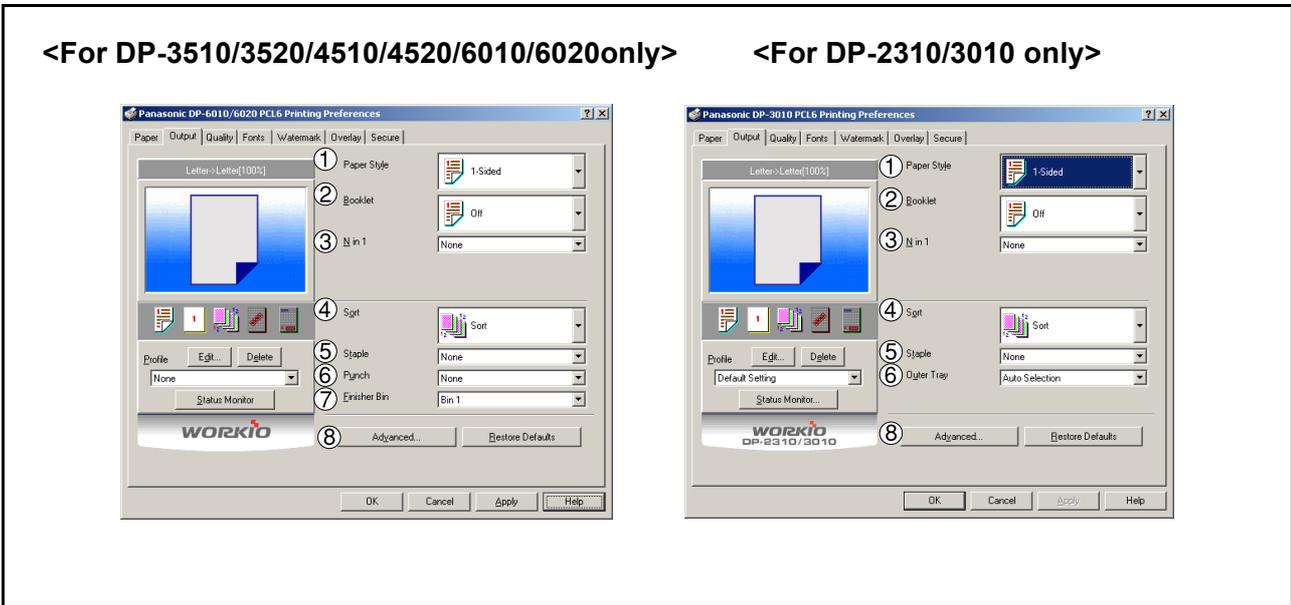
12. **Support Contacts (W)... button (DP-3520/4520/6020, For USA only)**
Open the **Support** window. The URL address(es) will be displayed if they were entered in the Device Options Tab. Click the **->Go** button to open the Web page.



Configuring the Printer Driver Settings

All Windows Common Settings

Output Tab



1. Paper Style

Select duplex printing for printing on both sides of the paper.

You can select the printing style among 1-Side/2-Sided (Long Edge) /2-Sided (Long Edge Margin) /2-Sided (Short Edge) /2-Sided (Short Edge Margin).

- **Binding Direction**

Select the binding side (Long Edge/Short Edge) for duplex printing.

- **Binding Margin**

Select the binding margin upon duplex printing. The width of the binding margin is specified on the device.

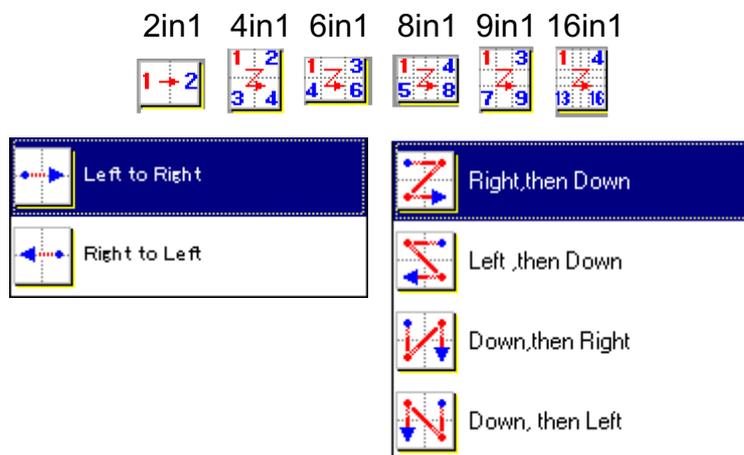
2. Booklet

Formats output in order so document can be folded and/or saddle stitched like a book.

3. N in 1

Specify the layout pattern for printing multiple documents on a single sheet of paper.

If you select an item other than "None," N in 1 order is displayed, allowing you to select the following patterns.

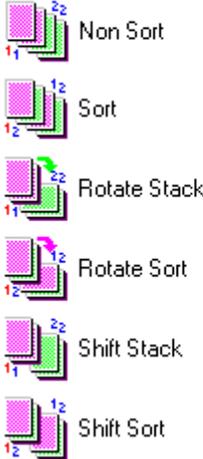


Continued on the next page...

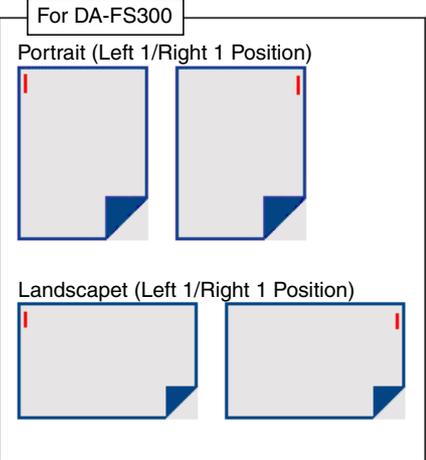
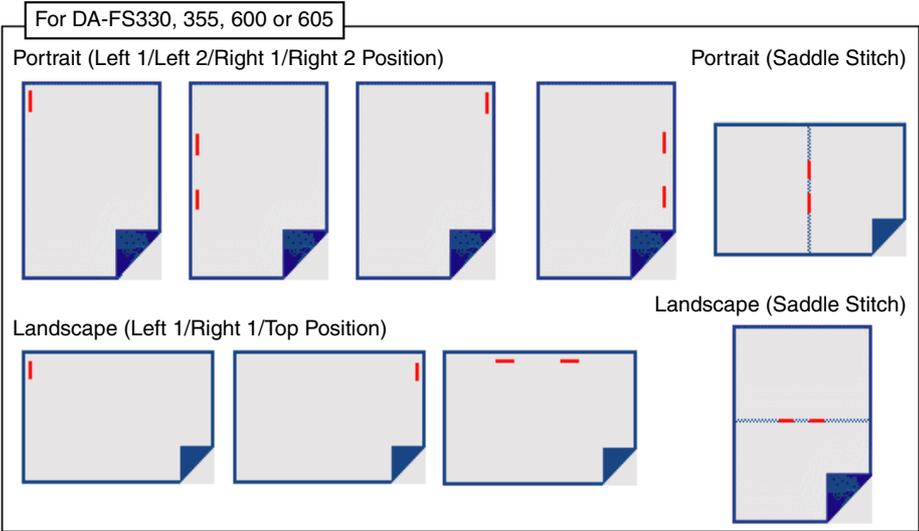
Configuring the Printer Driver Settings

All Windows Common Settings

4. Sort
Select whether to Stack or Sort when printing multiple copies.



5. Staple
Select the staple position. Available if the optional Finisher (DA-FS300, FS330, FS355, FS600 or FS605) is installed. Available for up to 30 sheets (Letter/A4).

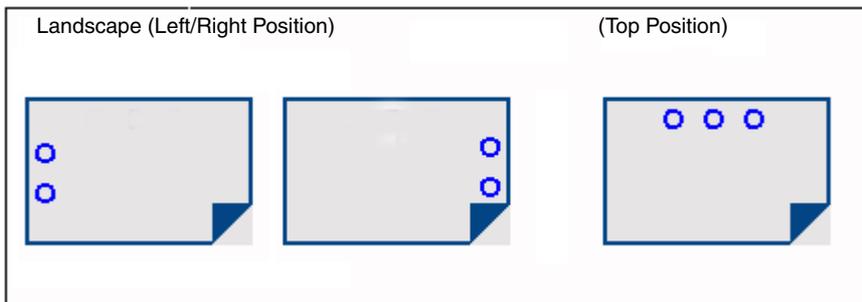
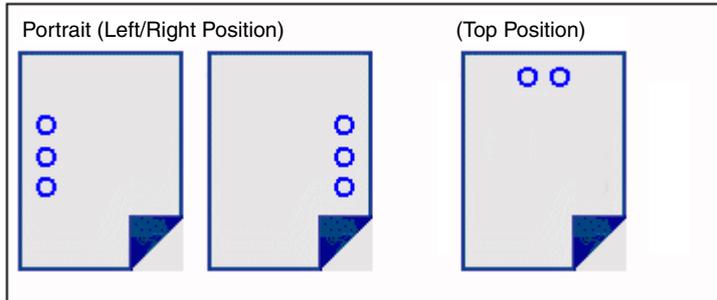


Configuring the Printer Driver Settings

All Windows Common Settings

6. Punch (For DP-3510/3520/4510/4520/6010/6020 only)

Select the punch position. Available if the optional Punch Unit is installed.



Punch is not available when the Rotate Stack or Rotate Sort mode is selected.

7. Finisher Bin/Output Tray

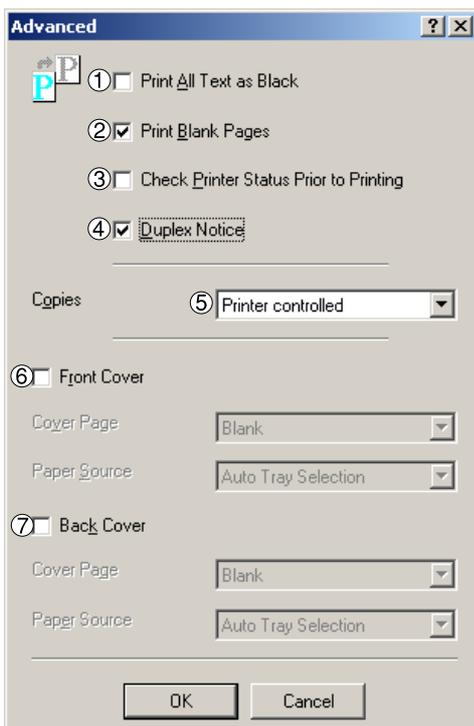
You can select the type of the output bin.

Possible when the optional finisher is installed.

Note: <DP-2310 / 3010 only>

Before selecting the Inner Upper Exit Tray, please ensure that the Exit Tray (Inner) (DA-XN200) is installed.

8. Button



Continued on the next page...

Configuring the Printer Driver Settings

All Windows Common Settings

1) **Print All Text as Black**

All colored text is printed as solid black

2) **Print Blank Pages**

Select whether the blank pages are printed.

3) **Check Printer Status Prior to Printing**

Check the status of the printer connected to your network before printing the data.

4) **Duplex Notice (For DP-2310/3010 only)**

Check whether "**2-Sided Print**" is printed on the footer of 1st page when printing with 2-Sided Page Style.

5) **Copies (Printer controlled / Printer Driver controlled)**

When printing a large amount of data with sort mode, the machine might not be able to print due to lack of memory capacity.

In this case, select **Print Driver controlled**, as sorting is processed inside of the printer driver. However, this mode may take more time to print.

6) **Front Cover**

Set to insert a blank or printed page as the Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

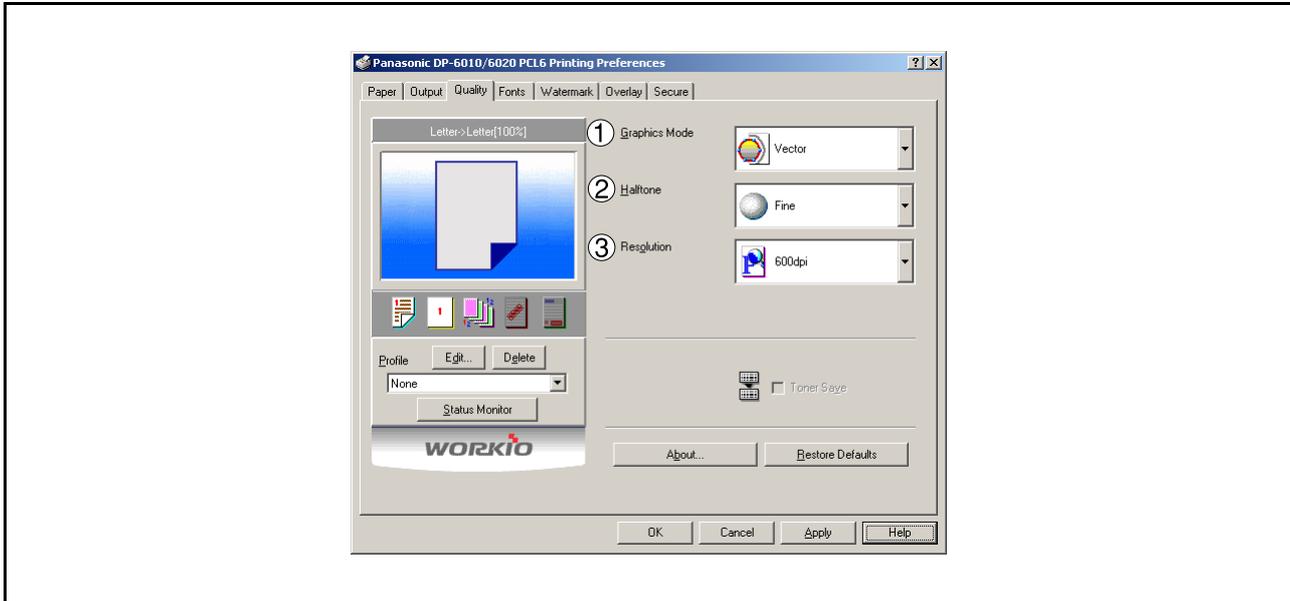
7) **Back Cover**

Set to insert a blank or printed page as the Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

Configuring the Printer Driver Settings

All Windows Common Settings

Quality Tab



1. Graphics Mode

Vector

Treat line information as graphic data.

Raster

Treat all information as Bitmap data.

2. Halftone

Select Normal/Fine/Coarse.

3. Resolution

Select the print resolution (300 dpi / 600 dpi / 1200dpi Enhanced). (See Note 1)

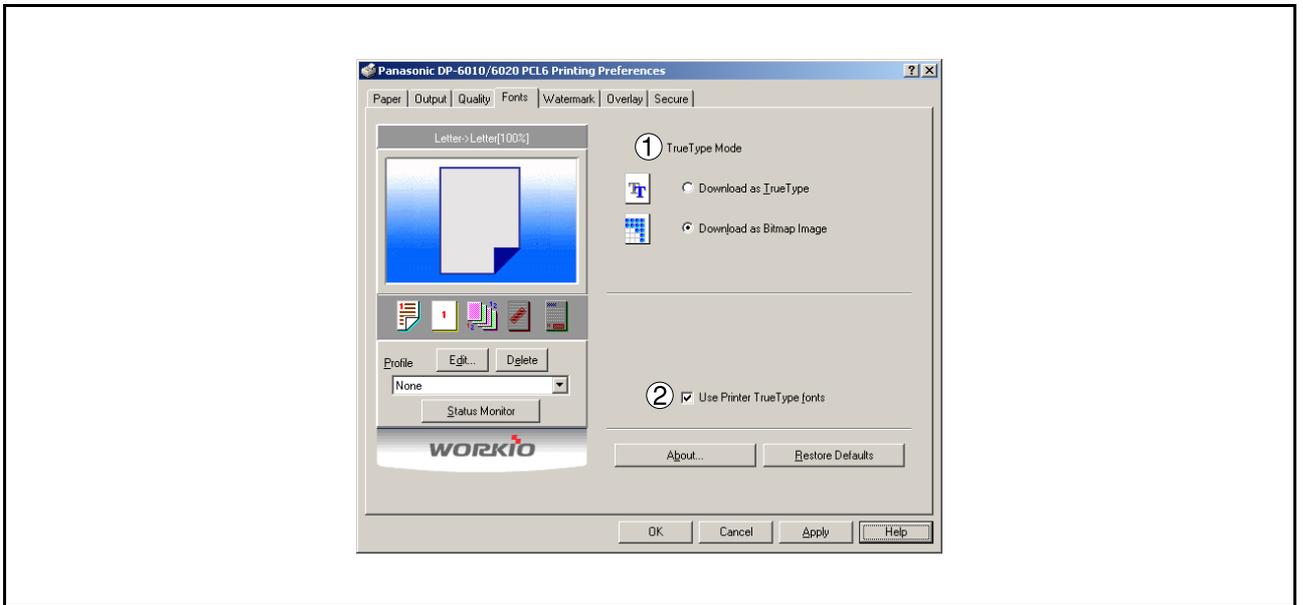
NOTE

1. *dpi (dots per inch) represents the number of dots contained in one inch. The larger the value, the higher the resolution would be.*

Configuring the Printer Driver Settings

All Windows Common Settings

Fonts Tab



1. TrueType Mode

Download PC fonts (TrueType) as bitmap Image or as TrueType font.

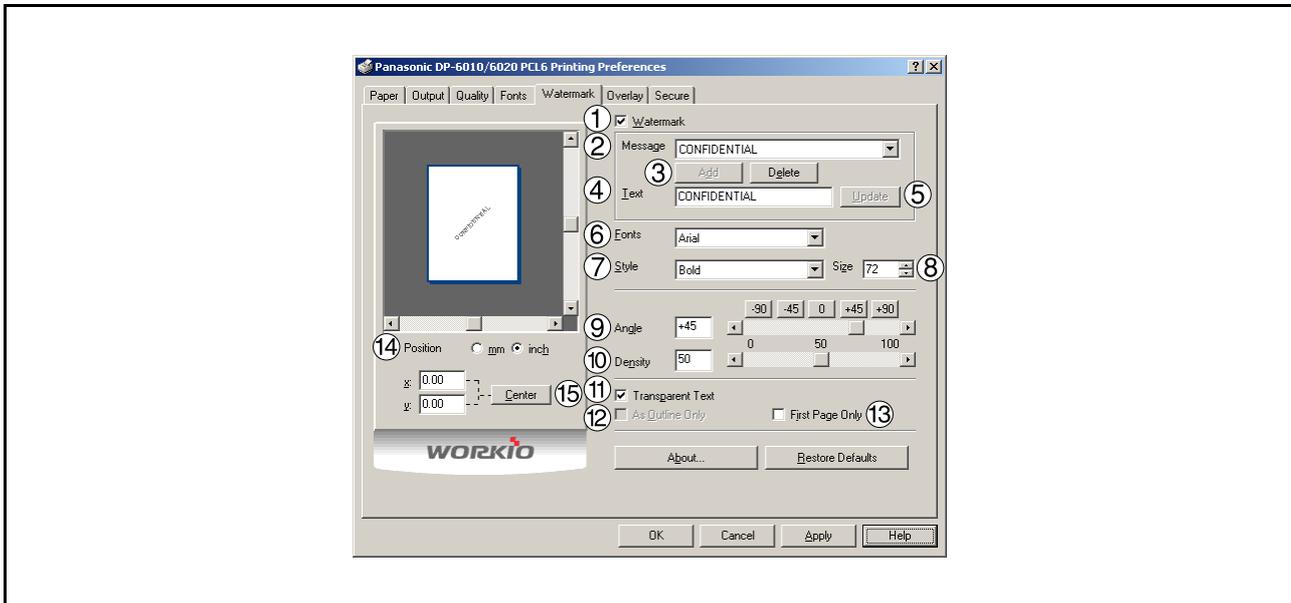
2. Use Printer TrueType fonts

Select whether the printer TrueType fonts are used or not.

Configuring the Printer Driver Settings

All Windows Common Settings

Watermark Tab



- 1. Watermark**
To enable the watermark feature, check Watermark.
- 2. Message**
Displays the selected text. (CONFIDENTIAL, COPY, etc.)
- 3. Add Delete button**
Add or delete watermark messages.
- 4. Text**
Input text that you want to add or update as the watermark.
- 5. Update button**
Update the text of the existing watermark message.
- 6. Fonts**
Select the text font.
- 7. Style**
Select the font style.
- 8. Size**
8 - 400 point.
- 9. Angle**
Select the text angle.
- 10. Density**
Varies from light to dark.

Continued on the next page...

Configuring the Printer Driver Settings

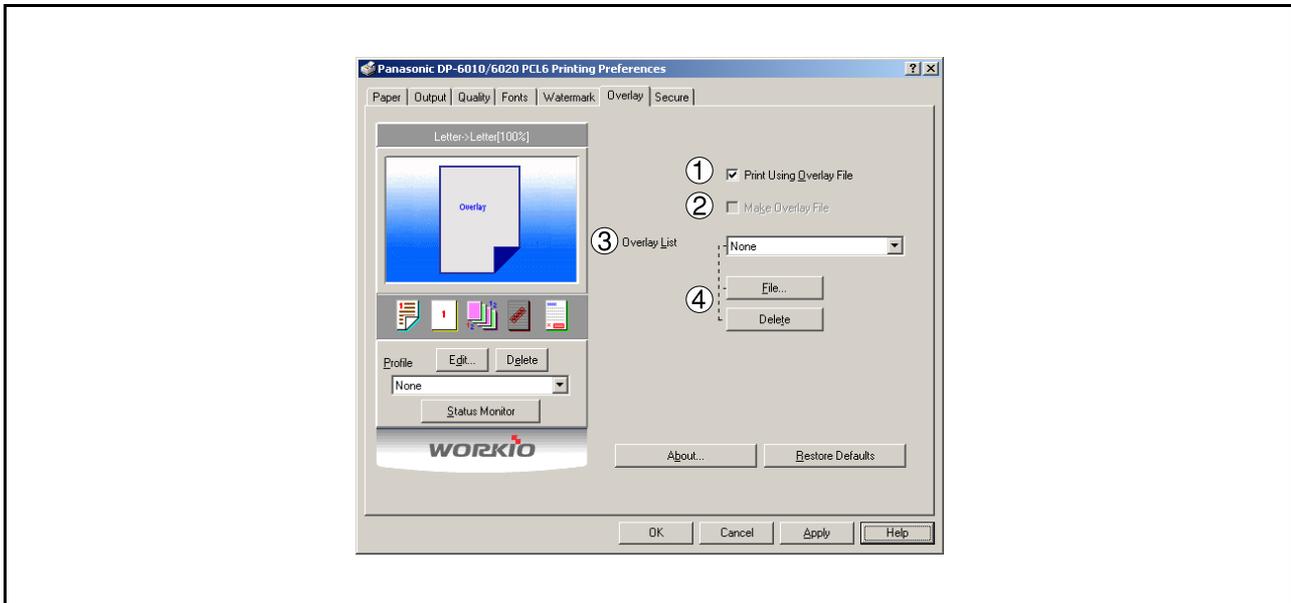
All Windows Common Settings

11. **Transparent Text**
Use watermark print as transparent text.
12. **As Outline Only**
Print the watermark character as an outlined image.
13. **First Page Only**
Use watermark only for the first page.
14. **Position**
Specify inch or metric units for adjustment.
15. **button**
Position the watermark relative to center of the document.

Configuring the Printer Driver Settings

All Windows Common Settings

Overlay Tab



1. Print Using Overlay File

Set overlay function.

2. Make Overlay File

When making an overlay file, check this box, then type a filename in the Overlay List box.

3. Overlay List

Select the file to be used for the overlay.

4. button

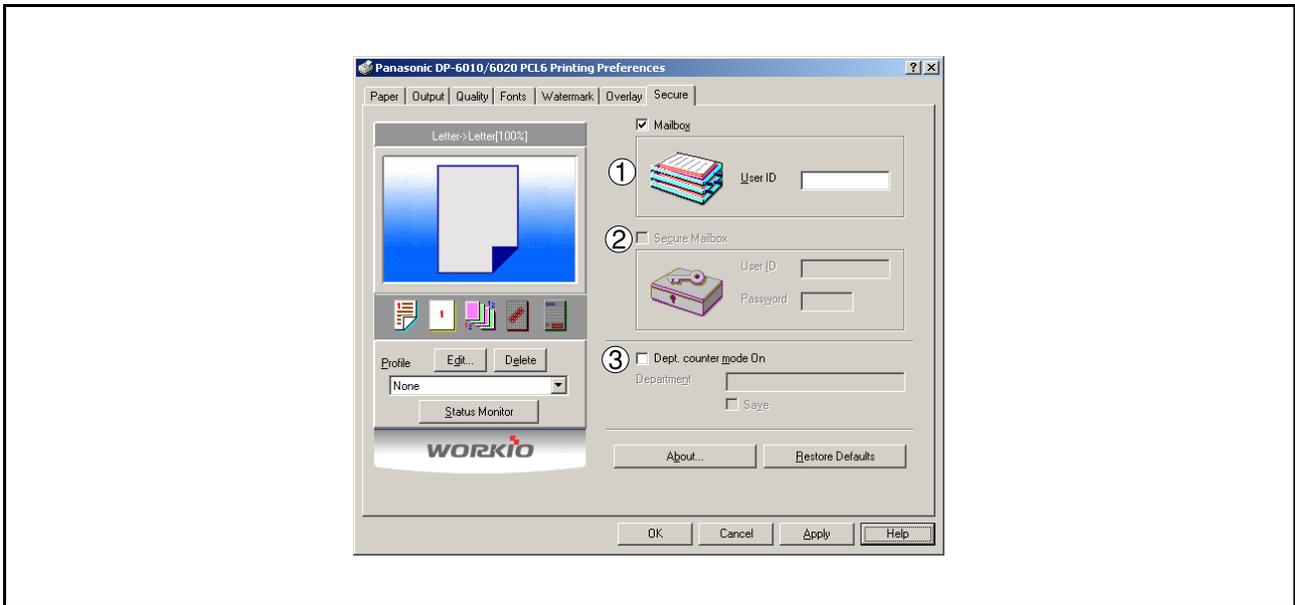
Click the button to set the directory to save the overlay file.

Click the button to delete the overlay file.

Configuring the Printer Driver Settings

All Windows Common Settings

Secure Tab



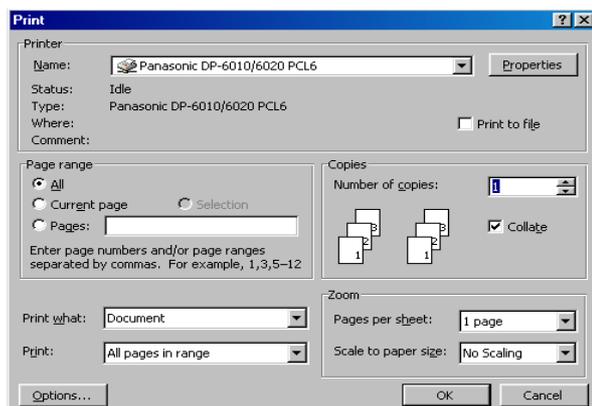
- 1. Mailbox (Available if the optional Hard Disk Drive Unit (DA-HD30/HD60) is installed.)**
Check this box and enter the User ID (up to 8 digits) if storing the print data into the mailbox of the machine.
- 2. Secure Mailbox (Available if the optional Hard Disk Drive Unit (DA-HD30/HD60) is installed.)**
Check this box, enter the User ID (up to 8 digits) and the password (4 digits) if storing the print data into the secure mailbox of the machine.
- 3. Dept. counter mode On**
Check this box and enter the department code if your administrator requires departmental codes in order to print.

Print Operation

Printing from Windows Applications

If the printer driver is installed properly and a printer is selected as the default printer (see Note 1) in the printer setup, printing can be accomplished from any Windows application with simple operations.

To print from most Windows applications, use the **Print...** command in the **File** menu. Selecting the **Print...** command typically displays the following Print dialog box:



After selecting the page range to be printed and the number of copies, click on to start printing.

While documents are being printed, a printer icon appears in the System Tray near the clock on the bottom right hand corner of the screen. The icon disappears when printing is completed.

You may double-click on the printer indicator in the system tray to open and verify the details of the print queue in the spooler.

NOTE

1. Follow the steps below to set a default printer:
 - 1) Click the **Start** button and select **Printers** in the **Settings** menu.
 - 2) Select the printer icon in the window and select **[Set As Default]** in popup menu by right-clicking it. Then the check mark is displayed.

Print Operation

Printing on Network

When sharing a printer by connecting two computers via a crossover cable or using a hub, a connection among computers must be established. (See Note 1 and 2)

Establishing a connection among computers can be verified by displaying the connected computers in Network Neighborhood on the desktop.

The settings for printer sharing are specified by performing the following steps:

Printer Server (PC connected to a printer)

- 1** Install the printer driver on the computer to be connected to the machine.
- 2** Click the **Start** button, select **Settings**, and then click **Printers**.
- 3** Right-click on the desired printer icon and select **[Sharing...]** in the popup menu.
- 4** Select **Shared As** in the properties dialog box.
- 5** Click the button.

Upon completing this setting, the shape of the icon changes indicating that the printer is shared.

NOTE

1. Refer to the manual for the network card and Windows users' guide for connections among computers.
2. On Windows 98/Me, a computer connected to a printer must be set up to allow printer sharing by performing the following operations:
 - 1) Double-click on **Network** in control panel, and then click button in the **Network Configuration** tab.
 - 2) Check **[I want to be able to allow others to print to my printer(s).]** in the File and Print Sharing dialog box.

Printing on Network

Remote (PC that uses another computer's printer)

- 1** Click the **Start** button, select **Settings**, and then **Printers**.
- 2** Double-click **Add Printer** in the printers folder.
The Add Printer Wizard appears.
Click the button.
- 3** Select **Network Printer**.
Click the button.
- 4** Specify the other computer's printer by entering the network path.

Then, complete the installation following the instructions of the Add Printer Wizard.

The operations above enables output from the remote computer to a printer connected to the printer server.

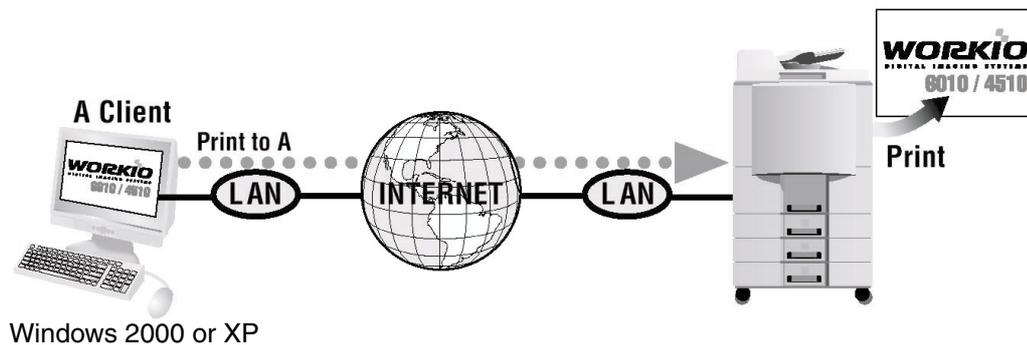
Print Operation

Internet Printing Protocol (IPP) Printing

Prints documents from a machine located in a remote area via the Internet without its access being blocked by a proxy server. This feature is only available on the Windows 2000 or XP.

Compatible Models

- DP-3510/3520/4510/4520/6010/6020 with PCL Printer Module (DA-PC600/601) or PS Printer Module (DA-MC600/601)
- DP-2310/3010 with PCL Printer Module (DA-PC300) or PS Printer Module (DA-MC300)



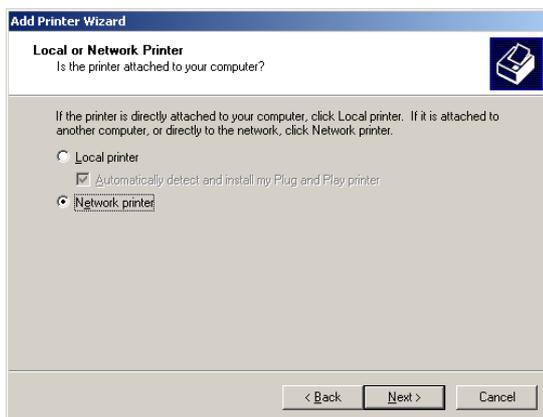
Setting the IPP Printing

1

Verify whether your PC is connected to the Internet or to the Intranet.

Open the **Add Printer Wizard**.

2

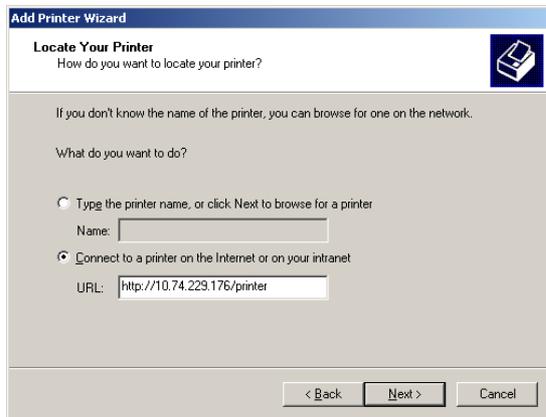


Select the **Network printer** and click the

Next button.

Setting the IPP Printing

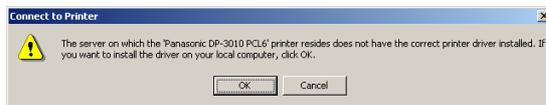
3



Select the **Connect to a printer on the Internet or on your Intranet** and type the IP address of the remote machine and **/printer** in the URL window. (e.g. http://10.74.229.176/printer)

Click the **Next** button.

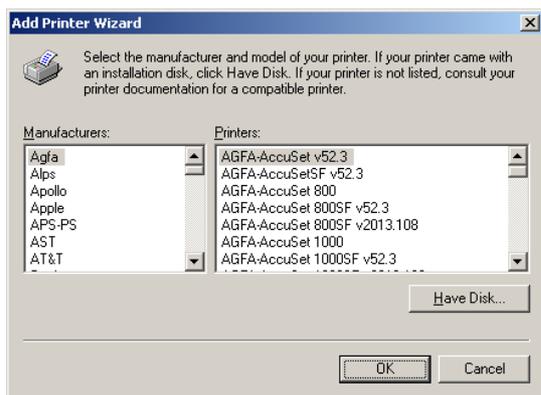
4



Click the **OK** button if this message is shown.

If not, skip to Step 11.

5



1. Insert the CD-ROM included with the Option.

2. Click the **Have Disk...** button

6



Click the **Browse...** button select.

(DP-2310/3010)

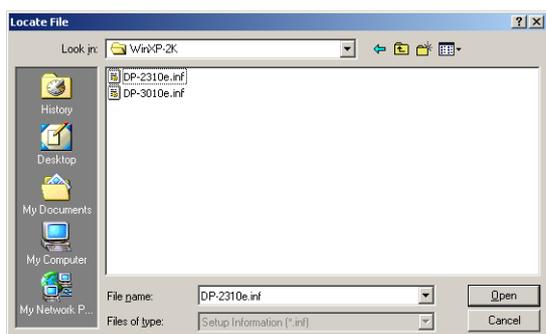
D:\English\Printer\Driver\Para&Net\WinXP-2K

(DP-3510/3520/4510/4520/6010/6020)

D:\English\Printer\Driver\WinXP-2K

(where "D" is your CD-ROM drive).

7



Click the **Open** button.

Print Operation

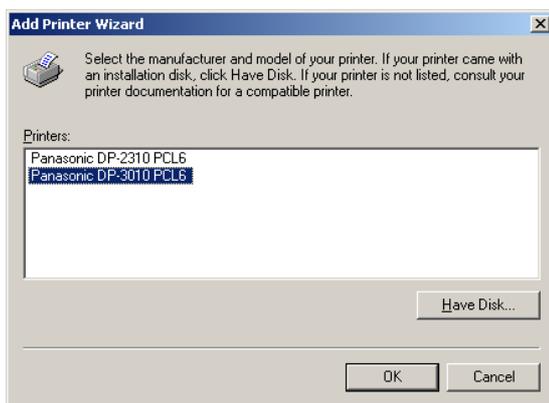
Setting the IPP Printing

8



Click the button.

9



Select the remote machine.

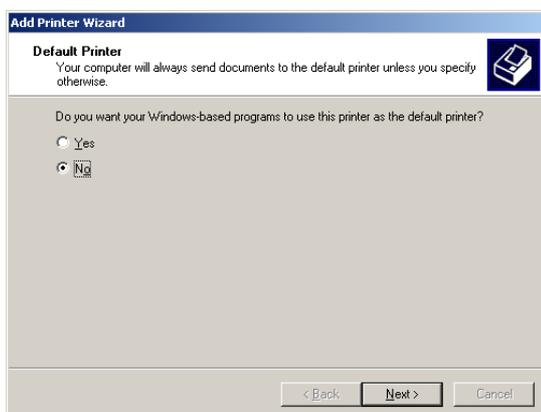
Click the button.

10



Click the button.

11



Select **Yes** if you would like to change your current default printer and click the button.

Setting the IPP Printing

12



Click the **Finish** button.

The IPP Printer Driver has been installed, and the Printer icon has been added to the Printer folder.

IPX-SPX Setup Wizard

Windows 98/Me/NT/2000/XP

If you wish to use your machine as a printer on the NetWare environment, install the set-up utility first using the Custom installation menu. (See page 5).

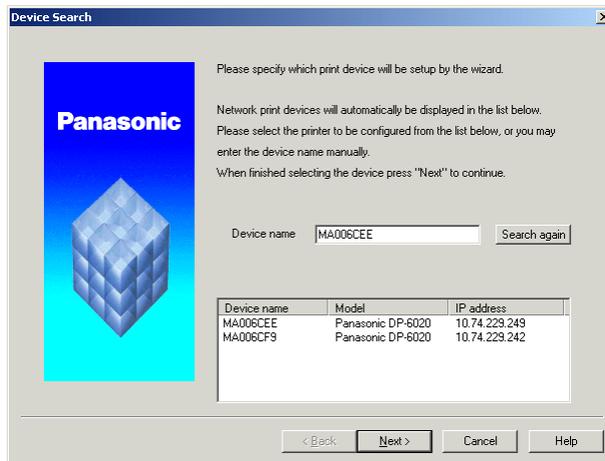
Compatible Models

- DP-3520/4520/6020 with IPX/SPX Printer Module (DA-GC601, PC601, MC601)

Note: DA-GC601 is not available in the USA and Canada.

Select **Panasonic** → **Panasonic Document Management System** → **IPX-SPX Setup Wizard** from **Programs** on the **Start** menu to activate the utility. To configure your PC for the NetWare environment, follow the procedure below:

1

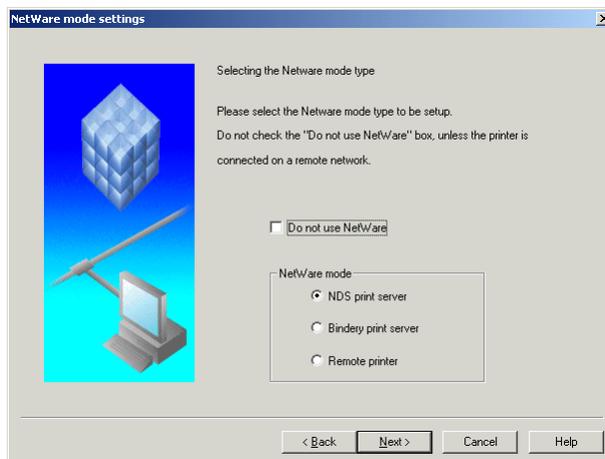


The machine(s) that are available on the NetWare environment are shown on the list.

Select the desired machine and click the

button.

2

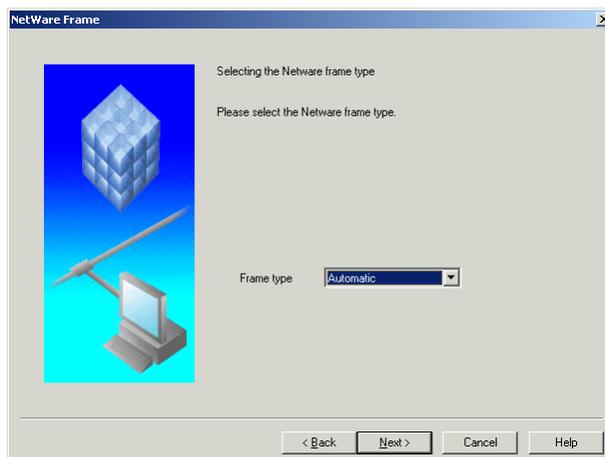


Make sure that the **Do not use NetWare** is not selected.

Select the desired **NetWare mode** and click the button.

1. **NDS print server**
2. **Bindery print server**
3. **Remote printer**

3



Select the **Frame type** and click the

button.

1. **Automatic**
2. **IEEE 802.2**
3. **IEEE 802.3**
4. **ETHERNET II**
5. **IEEE SNAP**

Windows 98/Me/NT/2000/XP

4a

<For NDS print server>

Set the **Tree**, **Context**, **Print server name**, **Printer server password** and **Print port name** for the NDS Printer Server and click the

Next button.

Note: Logon to the NetWare using an account with administrator rights.

Enter the **Print queue name** and click the

Next button.

Enter the **Queue volume** and click the

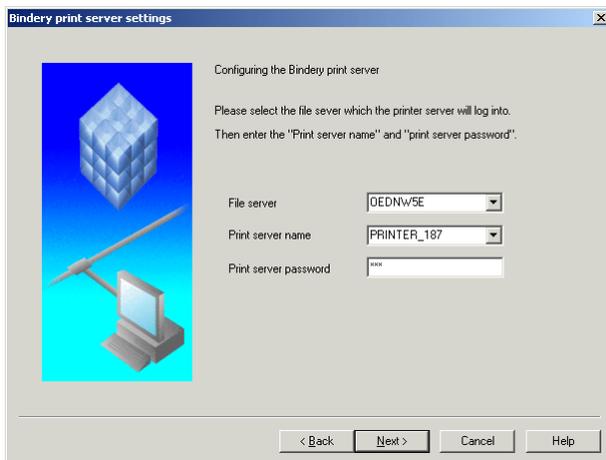
Next button.

Continued on the next page...

IPX-SPX Setup Wizard

Windows 98/Me/NT/2000/XP

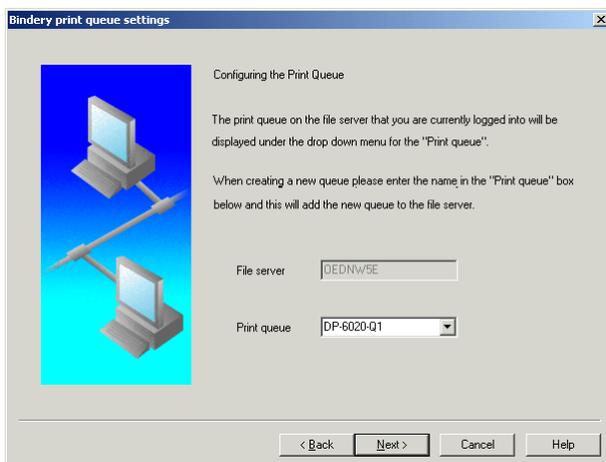
4b



<For Bindery print server>

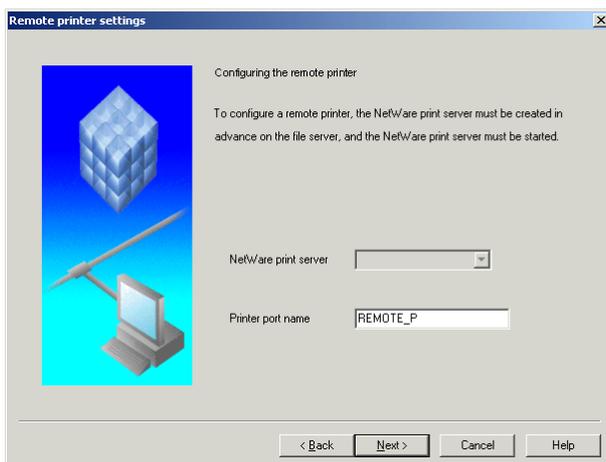
Set the **File server**, **Print server name** and **Print server password** for the Bindery print server and click the button.

Note: Logon to the NetWare using an account with administrator rights.



Enter the **Print queue** and click the button.

4c

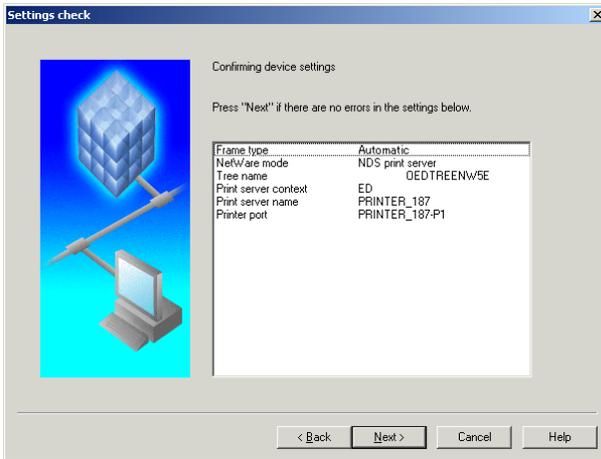


<For Remote printer>

Set the **Printer port name** for the Remote printer and click the button.

Windows 98/Me/NT/2000/XP

5



The settings are shown on the list.

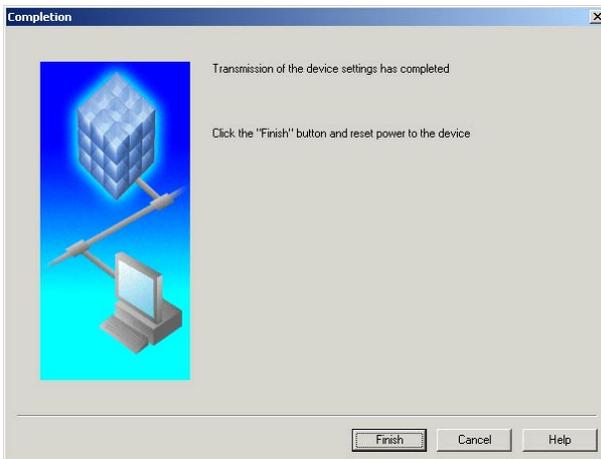
Click the button.

6



Click the button to apply the settings.

7



Click the button.

Troubleshooting

Printing Operation Fails

If the printing operation fails, check the following items first:

- Whether the connection cable (USB cable, Parallel Printer cable or Ethernet LAN cable) is properly connected.
- Power of the device is turned ON.
- Paper is loaded properly in the device.
- An error message is not displayed on the device.

The above points can be verified by printing a test page. Refer to the following for procedures on test page printing:

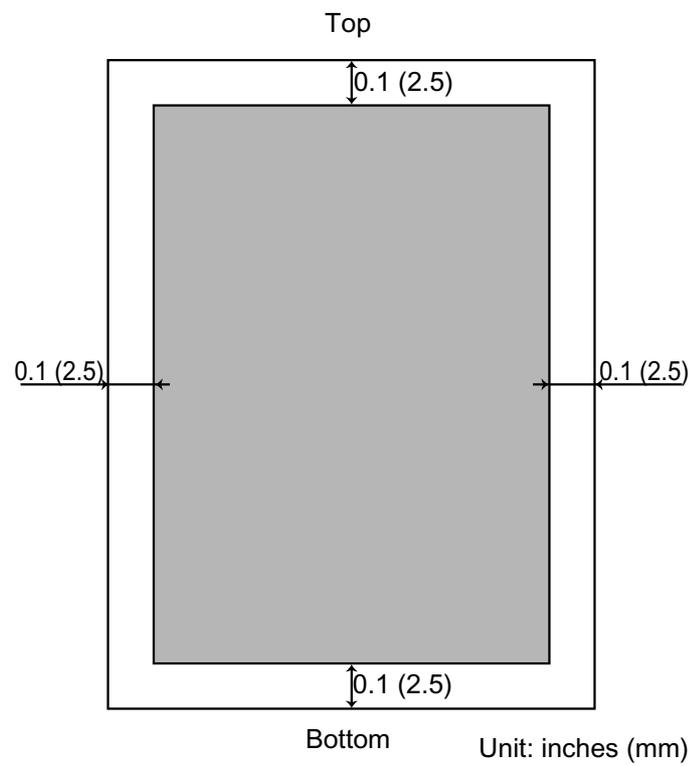
Windows 98/Me	[General Tab]	(See page 37)
Windows NT 4.0	[General Tab]	(See page 46)
Windows 2000/XP	[General Tab]	(See page 56)

Document is Not Printed Correctly

Problem	Possible Solution(s)
Characters are not printed in the correct positions or the characters near the edges of the page are missing.	<ul style="list-style-type: none"> • Check and specify the paper size and orientation settings in the printer driver to coincide with the application. • The characters are outside the printing area of the machine.
The font type is incorrect.	<ul style="list-style-type: none"> • Check if the selected font is installed on the PC. • Select "Use Printer TrueType fonts" on the Font tab of the Printer Driver Properties dialog box.
Printing stops in the middle of the run.	<ul style="list-style-type: none"> • Check if there is any problem on the network.
Although print data is transferred to the digital copier, it does not print.	<ul style="list-style-type: none"> • Make sure the printer is on line. • Make sure the machine is not in the Shutdown Mode. Press ENERGY SAVER key to return to standby mode. See the Operating Instructions for Copier & Network Scanner for details.

Appendix

Printing Area



Symbol Table

No.	Symbol Set
0	Legal (HP Legal)
1	ISO 4 (United Kingdom)
2	ISO 6 (ANSI, ASCII)
3	ISO 11 (Swedish/French)
4	ISO 15 (Italian)
5	ISO 17 (Spanish)
6	ISO 21 (German)
7	ISO 60 (Norwegian, v.1)
8	ISO 69 (French)
9	ISO 8859/2 Latin 2
10	ISO 8859/2 Latin 5
11	PC-8 (IBM-8, Code Page 437)
12	PC-8 DN (Denmark/Norway)
13	PC-850 (IBM-850)
14	PC-8 TK (Code Page 437T)
15	PC-852 Latin 2
16	Roman 8
17	Desk Top
18	ECMA 94 (Latin 1)
19	Macintosh
20	Math 8 (HP Math 8)
21	Microsoft Publishing
22	Pi Font (HP Pi Font)
23	PS Math
24	PS Text
25	Ventura International
26	Ventura Math
27	Ventura US
28	Windows
29	Windows 3.1
30	Windows 3.1 Latin 2
31	Windows 3.1 Latin 5
32	Symbol, Windows 3.1
33	Wingdings, Windows 3.1
34	Baltic (PC-1004)
35	Baltic (PC-775 Baltic)

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