

Chapter 12

Print-to-Queue

Print-to-Queue is used to provide one or more users access to a PlotWorks printer. It can be installed on a local computer or on network servers.

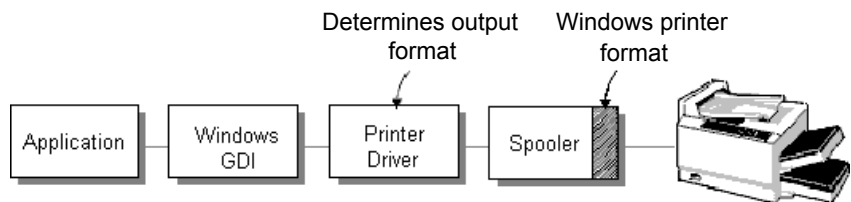
You can customize Print-to-Queue using PFS files specified for specific print output such as media size, fold types, etc. For example, if there are two workgroups in the company that have different requirements for printed documents, the system administrator can configure a unique Print-to-Queue port for each group. This enables each group to print documents with their specific print specifications, without affecting other users print jobs or PFS files.

Just What is Print-to-Queue?

Print-to-Queue works like a *port monitor*. It controls the input/output (I/O) between the spooler and the printer. Basically, it monitors the flow of print data that goes through the *physical* parallel or serial ports installed in your computer.

Traditionally, when you print a file from an application, the Windows graphics device interface (GDI) directs the file to the application's printer driver, which determines the actual output format of the printed job. The printer driver passes the print job data to the print spooler, where the Windows port monitor decides the output device to which the print job gets passed.

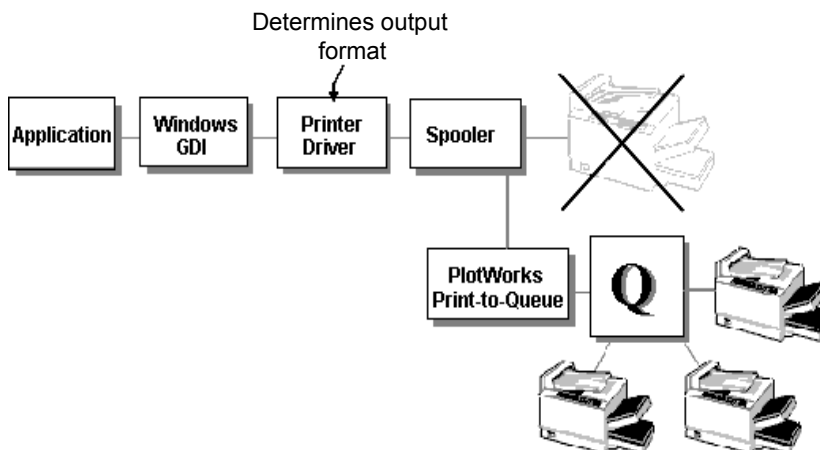
*Fig 12.1
Traditional
port
monitor
operation*



The PlotWorks Print-to-Queue redirects a local physical port to any number of virtual ports. A virtual port is a port that is not physically installed, plugged in, or otherwise attached to your local PC.

Print-to-Queue passes print data from a non-PlotWorks applications to a PlotWorks Job Queue, adding a predefined PFS file. From there the data is sent to the designated PlotWorks printer if Job Processing is enabled.

*Fig 12.2
PlotWorks
Traditional
port
monitor
operation*



The PFS file can be edited from the Print-to-Queue configuration dialog box.

You can easily create PlotWorks print jobs from any application whose driver output is supported by PlotWorks image processing (HP-GL/2 or PostScript). Use the HP DesignJet 600 printer driver for outputting HP-GL/2 format and the Apple LaserWriter II NTX printer driver for outputting PostScript format.

The following sections discuss installing, configuring, and using Print-to-Queue.

Considerations before installing Print-to-Queue

- To output PostScript files using Print-to-Queue, the PlotWorks PostScript processing option is necessary. Contact your PlotWorks sales representative if you need to purchase it.
- We recommend installing Print-to-Queue on a server for easier administration, especially if several users need access to a PlotWorks printer, or when printing to multiple PlotWorks printers.
- If each user or workgroup has specific output requirements, multiple monitors, using different PFS files, can be used to create a Print-to-Queue setup for each specific output size desired.



*If you edit a PFS file to customize it for specific output, set the final output size to 100% (**FinalSize=Percent,100**). If you enter a specific paper size, such as 'E-size', all images printed through that Print-to-Queue setup will be printed E-size.*

Print-to-Queue works in conjunction with the PlotWorks Job Processor and Printer Interface. If the Job Processor is not running and enabled, print data is not processed and passed to the Printer Interface.

Installing Print-to-Queue

1. Exit any open Windows applications.
2. Insert the PlotWorks CD-ROM in the CD-ROM drive. The Installation application will automatically open.
3. Click on **Install Packages**. The Install Packages window opens.
4. Click on **Print To Queue**. The installation wizard opens.
5. You may be prompted to select a language. If so, select the language you are most comfortable with from the list provided then click on the **OK** button. The default is English. The installation wizard begins the PlotWorks Print-to-Queue Setup program and a Welcome page appears.
6. Click **Next**. The PlotWorks Print-to-Queue license agreement displays.
7. Please read the license agreement and click **Yes** (if you agree with it). The Choose Destination Location dialog box appears. By default, PlotWorks Print-to-Queue is installed in C:\Program Files\PLP\Plotworks Print-to-Queue.
8. Click **Next** to accept the default destination or click on the Browse button to select a different Destination.



PlotWorks Print-to-Queue can not be installed in the same directory as PlotWorks.

9. When the Setup Complete dialog box prompts you to restart the computer, select the **Yes, I want to restart my computer now** radio button.
10. Click on the **Finish** button. The computer will shut down and restart.



Restart your computer to correctly initialize the Print-to-Queue port monitor service.

11. Once the computer restarts, associate (map) a printer with the Print-to-Queue port (labeled “PlotWorks Port”). Mapping instructions for Windows XP are available on page 20 of this chapter. Mapping instructions for Windows NT follow next.

Editing a PFS File

You can customize a Print-to-Queue setup by associating it with a PlotWorks PFS file containing specific output parameters. You can create a different Print-to-Queue setup for each type of print job you output and assign it to a copy of the Windows printer driver.



We recommend setting the final output size set to 100% (FinalSize=Percent,100) in the PFS file. This allows the printer to select the best size for the job. To restrict a PFS file to output a specific media size only, set the output size accordingly (FinalSize=D, for example).

Access a PFS file for editing

There are two ways to access a PFS file for editing:

- You can open it in Windows Notepad
- Open it directly from the PlotWorks Port Information dialog box. Accessing this dialog box is discussed on page 12-9 for Windows NT operating systems and on page 12-16 for XP.

To edit a PFS file:

1. Open the PFS file you want to edit.
2. Make the desired parameter changes. For detailed information on PFS file parameters, keywords, and their use, refer to Appendix D.
3. Save the file with a new name (i.e., **SPECS.PFS**) in the PlotWorks PARAM subdirectory (usually C:\Program Files\PLP\PlotWorks\Param).
4. Configure the PlotWorks Print-to-Queue setup, to use the PFS file.

Sample Custom PFS File

The following example shows a customized PFS file that will output two copies of the print job with an automatically determined output size, with a watermark, label, and fold parameters. For a description of each PFS keyword, see Appendix D.



Important note: When creating a PFS file for use with PlotWorks Print-to-Queue, do not use the FILE PFS section. Print-to-Queue uses the JOB parameters only.

```
;PFS file to generate 100% size drawings for delivery to construction sites.
;Generated on 9/25/98 8:19:32 AM
```

```
[JOB]
```

```
; ***** Job Control *****
```

```
SizeUnits=inches
Sets=2
PageRange=All
```

Media=Bond
Size=AUTO
FinalSize=Percent,100
OutputQualityLevel=Normal
Mirror=No
Format=Auto
ReversePrint=No

; ***** AutoCAD File Setup *****

ACADparms=1=1,extents,10.000

; ***** Pen Setup *****

PenUnits=mls
ScalePens=Yes

; ***** Folding Setup *****

FirstFold=Yes
SecondFold=No
FoldMarginEnable=Yes
FoldPunching=No
FoldReinforce=No

; ***** Watermark and Label Control *****

WatermarkFont=Times New Roman,Medium,Black,1,0
WatermarkText=Construction Print
WatermarkDirection=UpperRight
LabelRotation=0
LabelOffset=0.000,0.000
LabelFont=Times New Roman,Small,Black,0,0
LabelText=Sanders Architects,[DATE],[TIME],[FILENAME]

; ***** Justification and Margin Control *****

Margin=0.000,0.000,0.000,0.000

EnableFinishingMargin=No

FinishingMargin=0.000

Justification=Center

Selecting a Driver

The instructions on mapping a port and printer that follow next are going to ask you to select a printer driver. Select a driver at that time based upon the following guidelines:

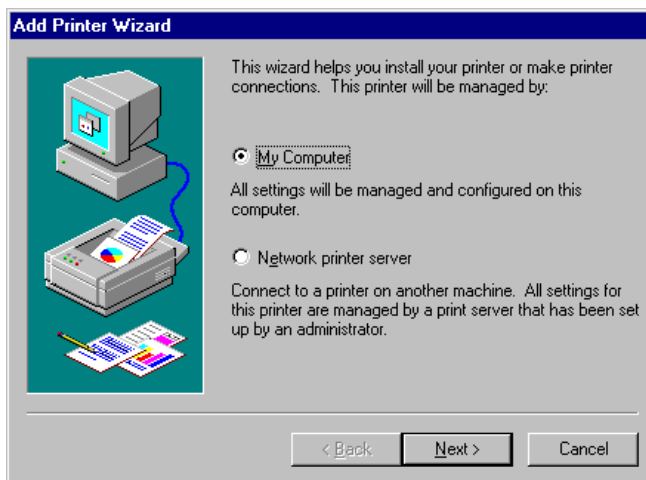
- Use the **HP DesignJet 600** driver for outputting HP-GL/2 format files
- If running Windows NT and you experience problems printing HP-GL/2 files with PlotWorks, use the **PlotWorks Windows NT** driver. This driver is provided on the PlotWorks CD-ROM. The PlotWorks Windows NT driver creates larger plot files, so should only be used when other drivers fail.
- Use the **Apple LaserWriter II NTX** printer driver for outputting PostScript format files. This driver requires the PlotWorks PostScript processing option. If you have not already purchased it, please contact your PlotWorks sales representative.

Mapping a Local Printer to the PlotWorks Port on Windows NT

Follow these instructions to associate the Print-to-Queue port with a local printer on a Windows NT operating system. The instructions are for the initial Print-to-Queue port setup. It is not necessary to repeat these steps for subsequent Print-to-Queue setups.

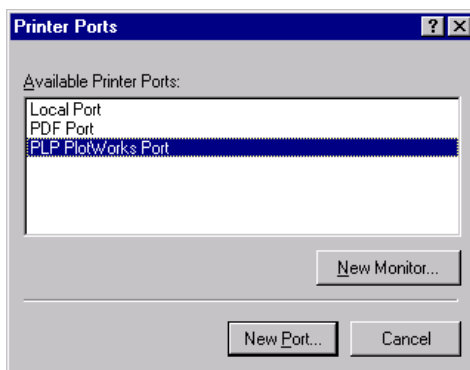
1. From the Windows **Start** button, select **Settings** then **Printers**.
 2. Double-click on the **Add Printer** icon. The Add Printer Wizard dialog box opens.
-

Fig 12.3
The Add
Printer
dialog box



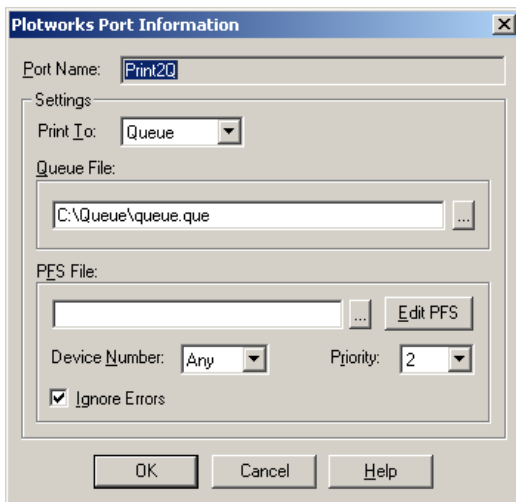
3. Make sure **My Computer** is selected then click **Next**.
4. A list of available ports displays. Click **Add Port** (first-time installations only). The Printer Ports dialog box displays:

Fig 12.4
Select the
PlotWorks
Port



5. Select the **PLP PlotWorks Port** and click the **New Port** button to display the PlotWorks Port Information dialog box, below.

*Fig 12.5
PlotWorks
Port
Information
dialog box*



6. Enter a descriptive name for your new port that users can easily identify in the **Port Name** dialog box. This is the name that will appear in the list of available ports.
7. In the **Print To** dialog space, select either Queue or File.
 - If Queue is selected, the option to specify a Queue file is addressed.
 - If File is selected, the option to specify a directory for the image files to be polled by Network Poling is addressed. The PFS File, Device Number, Priority and the Ignore Errors options are grayed out.
8. In the **Queue File** text box, enter the path and name for the Queue.que file (usually C:\Queue\Queue.que). Or you can click on the Browse (...) button to locate it.
9. In the **PFS File** text box, enter the path and name for the desired PFS file. Click on the Browse (...) button to locate it, if preferred.



This is where you can get creative with your port setup and its associated PFS file. You can create a PFS file (with a unique name) for each type of printer output (media size, labels, watermarks, etc.) you use, then associate it with its own Print-to-Queue port. Users or workgroups can then send their print jobs to the “printer” best suited to the type of output they create. See “Configuring LPD to Work with PlotWorks” on page 12-20 for more information.

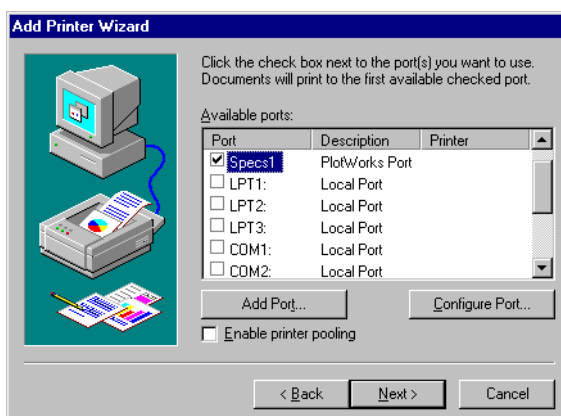
10. If you wish to edit the PFS file for this port monitor, click the **Edit PFS** button, make the desired changes, **Save** the file, and close **Notepad**. (See “Configuring LPD to Work with PlotWorks” on page 12-20 for information on customizing a PFS file.)
11. Using the provided drop down lists, select a **Device Number** and **Priority** (the defaults are **Any** and **5**, respectively)
12. Select the **Ignore Errors** check box if you wish to ignore all processing errors.
13. Then click **OK** and then **Close**. Note that the device number corresponds to the device number set in the PlotWorks Printer Interface— this is what makes this association work.

If you did not correctly enter the path and file name of the PFS file, a dialog box appears asking you to do so.

If you did not correctly enter the path and name of the Job Queue folder, a dialog box appears asking you to do so.

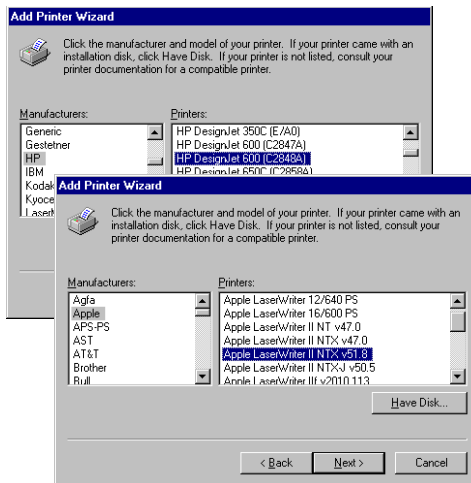
14. The “Select Port” window displays again. Select the port you just configured then click **Next** to continue.

*Fig 12.6
Select the
PlotWorks
port*



15. A list of printer manufacturers and printer names displays.

Fig 12.7
*Select the
 appropriate
 printer*



16. Click **Next**. Use the guidelines under “Selecting a Driver” on page 12-6 to select a driver.

- If you have a manufacturer’s driver disk, click **Have Disk** and follow the prompts.
- If you are going to use the PlotWorks NT driver, click **Have Disk** and browse to where you copied your NT Driver folder from the CD-ROM. Open this folder and click the NTPrint.inf file.

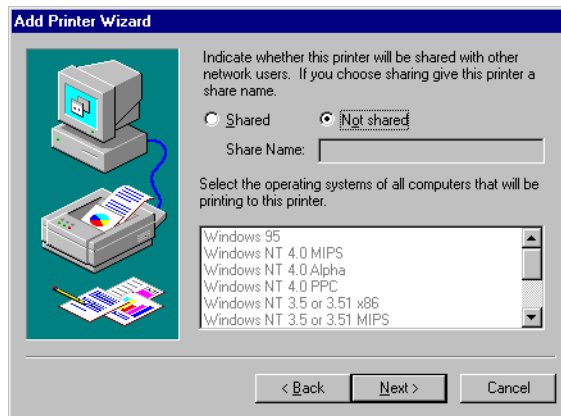
17. If you are creating a “copy” of a driver that has already been installed, click **Keep existing driver** then click **Next**. If this is a first time installation, you will not see this prompt. Skip to step 15.

Fig 12.8
*Enter a
 printer
 name*



18. Type a descriptive name for the printer and click **Next** (you can also elect to make it the default printer if you want).
19. If you want this printer to be a shared device (so others on the network can access it), click **Shared**, enter a descriptive Share Name, and select the types of operating systems that might be using the printer.

Fig 12.9
Share
name
dialog box



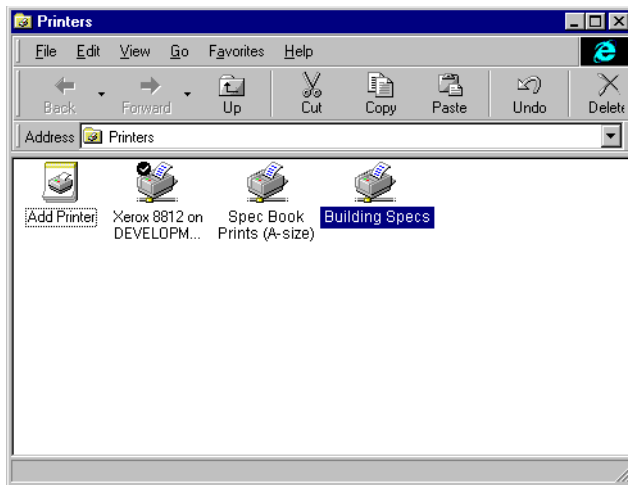
20. Click **Next**.

Fig 12.10
Test page
request
dialog box



21. Select **No** (do not print a test page) and click **Finish**. You might be asked to insert the disk containing the printer driver. If so, insert the disk into the appropriate drive and click **Continue**.
22. The Printer folder redisplay with your new “printer” highlighted (as seen below). You are finished!

Fig 12.11
Printers
window



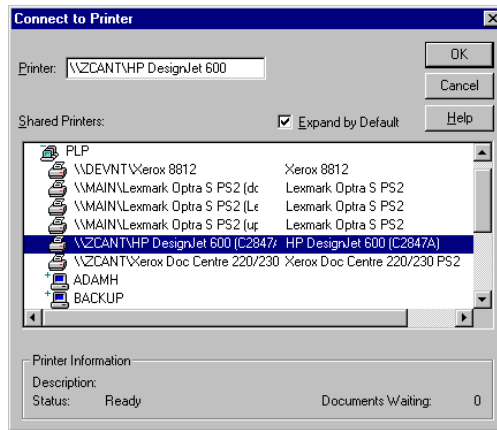
Now you can print to the PlotWorks Job Queue from any Windows application by selecting the Print-to-Queue associated printer. You can associate any, local, supported Windows printer with a Print-to-Queue port any time. Simply right-click on the printer you wish to edit, select Properties, click the Ports tab, and follow steps 4 through 10, above.

Using a Network Printer on Windows NT

Notice to Administrators: Before users can attach to a network printer, you must create one and associate it with a Print-to-Queue port setup.

1. From the Windows **Start** button, select **Settings** then **Printers**.
2. Double-click the **Add Printer** icon. The Add Printer wizard begins:
3. Make sure **Network printer server** is checked and click **Next**.
4. A list of available network printers displays.

*Fig 12.12
Connect
to Printer
dialog box*



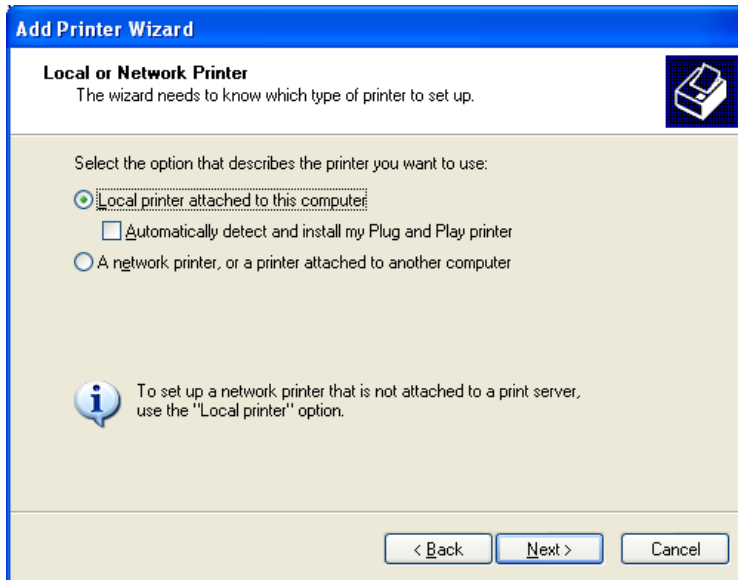
5. Select the printer associated with the PlotWorks Port and click **OK**. You can select this printer as your default Windows printer.
6. Make the desired selection and click **Next**. Click **Finish** to exit the wizard.

Mapping a Local Printer to the Port (Windows XP)

Follow these instructions to associate the Print-to-Queue port with a local printer on a Windows XP operating system. The instructions are for the initial Print-to-Queue port setup. It is not necessary to repeat these steps for subsequent Print-to-Queue setups.

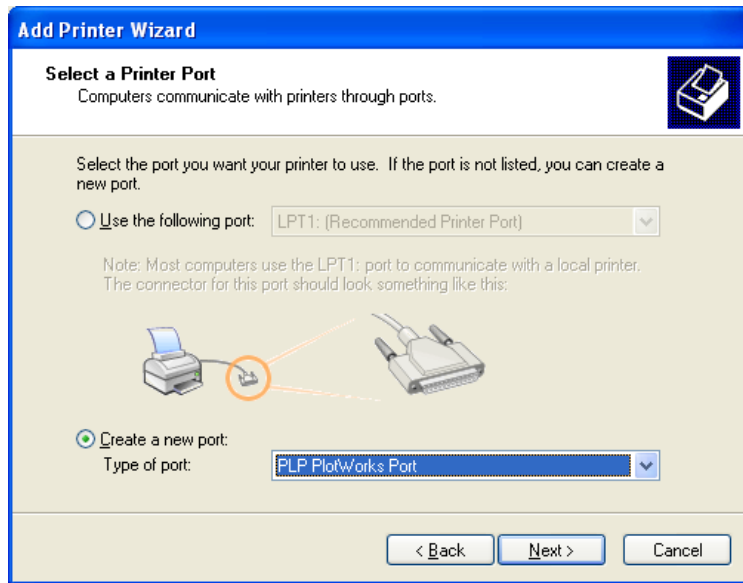
1. From the Windows **Start** button, select **Printers and Faxes**. The Printers and Faxes dialog box opens.
2. Double-click on **Add a Printer**. The Add Printer Wizard dialog box opens.
3. Click on the **Next** button. You are prompted to select either a local or network printer.

Fig 12.13
The Add
Printer
Wizard
dialog box



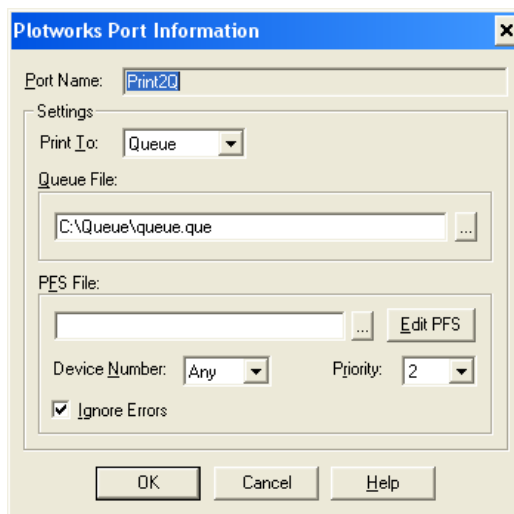
4. Select the **Local printer attached to this computer** radio button.
5. Deselect the **Automatically detect and install my Plug and Play printer** option.
6. Click on the **Next** button. The next dialog box prompts you to select a port.
7. Select the **Create a new port** radio button only if this is a first-time installation.

Fig 12.14
Add
Printer
Wizard
dialog box



8. Select **PLP PlotWorks Port** from the **Type of Port** drop down list.
9. Click on the **Next** button. The PlotWorks Port Information dialog box displays.

Fig 12.15
PlotWorks
Port
Information
dialog box
displaying
entered
informa-
tion



10. Enter a descriptive name for your new port, like “PlotWorks Queue” in the **Port Name** dialog box. This is the name that will appear in the list of available ports.
11. In the **Print To** dialog space, select either Queue or File.
 - If Queue is selected, the option to specify a Queue file is addressed.
 - If File is selected, the option to specify a directory for the image files to be polled by Network Poling is addressed. The PFS File, Device Number, Priority and the Ignore Errors options are grayed out.
12. Enter the path to the desired PlotWorks Queue directory and Queue.que file in the **Queue File** text box (usually C:\Queue\queue.que). Click the ... button (Browse) to locate it, if necessary.
13. Enter the path to the PFS file that contains the desired parameters in the **PFS File** text box. Click the ... button (Browse) to locate it, if necessary.



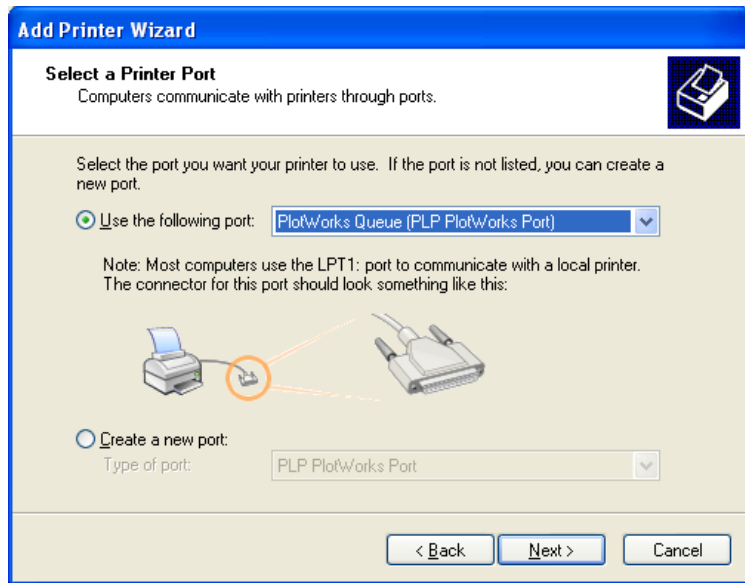
Create a PFS file, with a unique name, for each type of printer output (media size, labels, watermarks, etc.) used, then associate it with its own Print-to-Queue port. Users or workgroups can then send their print jobs to the “printer” best suited to the type of output they create. See “Configuring LPD to Work with PlotWorks” on page 12-20 for more information.

14. To edit or view the PFS file for this port monitor, click the **Edit PFS** button. The PFS file opens in **Windows Notepad**. Make the desired changes, **Save** the file, and close **Notepad**. (See “Configuring LPD to Work with PlotWorks” on page 12-20 for information on customizing a PFS file.)
15. Select a device number and priority. Note that the device number corresponds to the device number set in the PlotWorks Printer Interface. This is what makes this association work.
16. Select **Ignore Errors** if you wish to ignore all processing errors.
17. Click **OK** and then **Close**. The PlotWorks Port Information dialog box disappears.

If you did not correctly enter the path and file name of the PFS file, a dialog box appears asking you to do so.

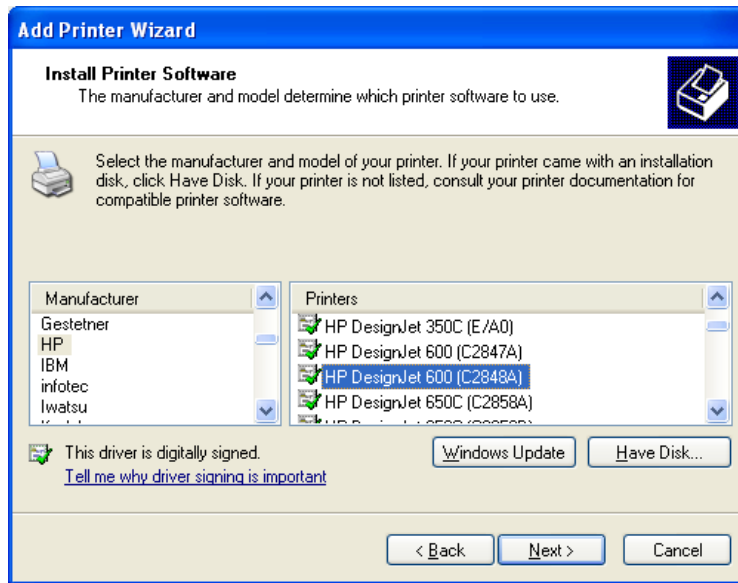
If you did not correctly enter the path and name of the Job Queue folder, a dialog box appears asking you to do so.

Fig 12.16
Add
Printer
Wizard
dialog box



18. Select the **Use the following port** radio button from the Add Printer Wizard dialog box.
19. Select the port you just configured from the **Use the following port** list box.
20. Click the **Next** button. A dialog box opens prompting you to select a printer manufacturer and printer.

Fig 12.17
Select the
appropriate
printer

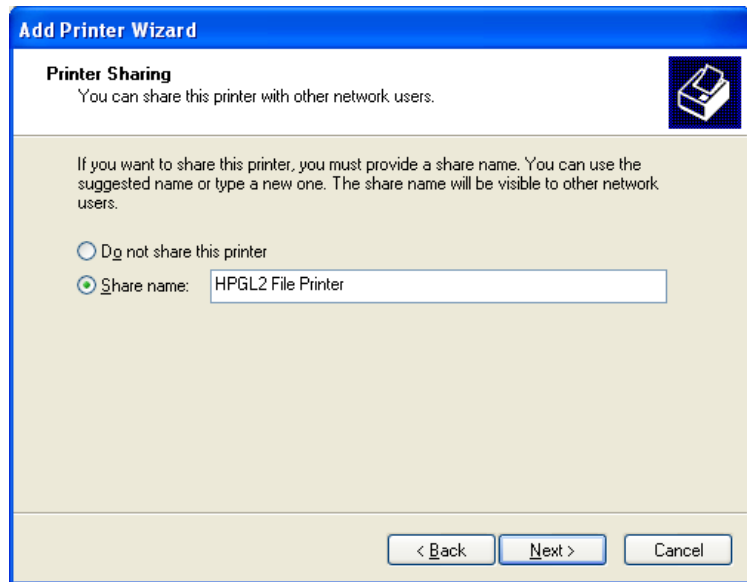


The following steps associate the Print-to-Queue port to a Windows printer driver:

21. Use the guidelines under “Selecting a Driver” on page 12-6 to select a driver. Then:
 - If you have a manufacturer’s driver disk, click **Have Disk** and follow the prompts.
 - If you are going to use the PlotWorks NT driver, copy the contents of the NT Driver directory from your PlotWorks CD-ROM onto your hard drive. When prompted to select a driver, click **Have Disk** and browse to the directory where you copied the NT Driver folder. Open this folder and click the NTPrint.inf file.
 - Or, select your driver manufacturer from the manufacturer list and then select the printer name from the Printer list.
22. If you are creating a “copy” of a driver that has already been installed, click **Keep existing driver**. If this is a first time installation, this option will not be available. Then click **Next**. A dialog box appears prompting you to name the printer.
23. Enter a descriptive name for the printer in the text box labeled **Printer name**.
24. If you wish to make this your default printer, select the Yes radio button. Otherwise select the No radio button.

25. Click **Next**. A dialog box appears asking if you wish to share the printer.

Fig 12.18
Share
name
dialog box



26. Choose whether you want to share the printer.
- If you want to share this printer so that others on the network can access it, select the **Share name** radio button. Enter a share name if you wish
 - Or select the **Do no share this printer** radio button. and select the types of operating systems that might be using the printer.
27. Click **Next**. A dialog box prompts you to enter a location and comment for the printer.
28. Click **Next**
29. Select **Yes** to print a test page. A dialog box appears listing all your selections.
30. Select **Finish** if this information is correct. Select **Back** if changes are necessary.

You successfully added the driver and printer if your Printer folder lists your new “printer” in the Printers window

Now you can print to the PlotWorks Job Queue from any Windows application by selecting the Print-to-Queue associated printer. You can associate any, local, supported Windows printer with a Print-to-Queue port any time. Simply right-click on the printer you wish to edit, select Properties, click the Ports tab, and follow the steps above.

Output a Job to the Print-to-Queue Printer

1. Open the PlotWorks Job Processor and select **Start Processing** from the **File** menu. Minimize (do not close) the Job Processor.
2. Make sure the appropriate PlotWorks Printer Interface is open and the medium has been configured for the printer.
3. From any Windows application, select **Print** and choose one of the “printer drivers” associated with a Print-to-Queue setup.
4. Complete the rest of the Print dialog box as normal and click **Print!**



Leave the number of copies set to the default of 1. Microsoft limits copy count when sending jobs to a port monitor.

Configuring LPD to Work with PlotWorks

The steps outlined below are to enable Linux or Unix systems to submit jobs to the PlotWorks Job Queue using Print-to-Queue. The procedure is broken up into three sections:

- Configuring PlotWorks with Print to Queue
- Configuring NT Workstation 4.0 to support LPD
- Configuring Linux to submit to Plotworks Job Queue

Configuring PlotWorks and Print-to-Queue






1. Install PlotWorks.
2. Configure Print-to-Queue with the desired print driver.
3. If not already done, *share* the printer that is configured with the Port Monitor.

Configuring NT Workstation 4.0 to support LPD

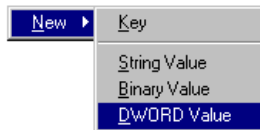
1. Install Simple TCP/IP services and Microsoft TCP/IP printing:
 - Right-click on **Network Neighborhood** and select **Properties**.
 - Click the **Services** tab.
 - Click the **Add** button.
 - Double-click on **Simple TCP/IP Services**.
 - Click the **Add** button.
 - Double-click on **Microsoft TCP/IP Printing**.
 - Click **OK** to exit.
-



Do not reboot yet.

2. Run your Service Pack (Use the same Service Pack version that has been previously applied to the system). When Service Pack is done, it reboots the computer.
3. Edit the Registry as follows:
 - Click the Windows **Start** button and select **Run**.
 - Type **Regedit** and press **Enter**.
 - Click the  (plus sign) next to the folder labeled **HKEY_LOCAL_MACHINE**.
 - Click the  (plus sign) next to the folder labeled **SYSTEM**.
 - Click the  (plus sign) to the folder labeled **CurrentControlSet**.
 - Click the  (plus sign) next to the folder labeled **Services**.
 - Click the  (plus sign) next to the folder labeled **LPDSVC**.
 - Click on the folder labeled **Parameters**.
 - On the right side of the screen are some set values. Right-click in the white background (not on an existing value) and select **DWORD value** from the **New** popup menu.

*Fig 12.19
Popup
menu*



- Name the new DWORD **SimulatePassThrough**.
 - Double-click on the DWORD. This displays a dialog box prompting for a value.
 - Set the value to **1**. Click **OK** and close the Registry.
4. Start the TCP/IP Print Server:
 - Click on the Windows **Start** button. Select **Settings** then **Control Panel**.
 - Double-click on **Services**.
 - Select **TCP/IP Print Server** by clicking on it.
 - Click the **Startup...** button.

- Set the Startup Type to **Automatic**. Click **OK**. This makes the service start each time the computer is turned on.
- Click on the **Start** button. This starts the service now so that you do not have to reboot the computer.

Setting Up a Line Printing Utility (LPR)-Compatible Printer



LPR is defined as Line Printing Utility and LPD is defined as Line Printing Daemon; both which are elements of UNIX.

The following are instructions for setting up a LPR-compatible printer. The computer where the configuration is created **must have** the TCP/IP protocol and the Microsoft TCP/IP Printing service installed.

The domain name system (DNS) name can be the name specified for the host in the HOSTS file.



If the LPR port is not available, install the Microsoft TCP/IP Printing service.

1. Click on the Windows **Start** button. Select **Settings** then **Printers** to start installing a printer.
 2. Select the **Add Printer** icon (or select the command from the list).
 3. Select the **My Computer** button, then click on the **Next** button.
 4. Select **Add Port**.
 5. Select **LPR Port** then select **OK**. (If there is no LPR Port choice, install the Microsoft TCP/IP Printing service.)
 6. In the *Name or address of the server providing the LPD*, type in the DNS name or IP address of the host for the printer that is being added.
 7. In the *Name of the printer or print queue on that server*, type in the name of the printer as it is identified by the host, which is the Print-to-Queue printer. Select **OK**.
 8. EXAMPLE: In the case of PlotWorks server, specify the name of the PlotWorks Server PC (i.e, PLOTWORKS) or its IP address and the Print-to-Queue printer share name that was set up earlier.
 9. Follow the instructions on the screen to finish installing the LPR-compatible printer.
-

Printing to PlotWorks using LPR

Test the LPR by sending a test file to the PlotWorks queue.

1. Open a command prompt.
2. Type in, **lpr**_(space) **-s**_(space) **plotworks_server_name**_(space) **-P**_(space) **Print_to_queue_printer_name**_(space) **-o**_(space) **l**_(space) **testfile.plt**

EXAMPLE: To print test.plt from a UNIX system to the PlotWorks server that has PLOTWORKS as a DNS name and P2Q as the lpr printer the command line would be:

```
lpr -S PLOTWORKS -P P2Q -o l testfile.plt
```



-S and -P must be entered in capital letters while -o and l must be entered lower case. This switch sets the data transfer to binary.

The following are the command line options:

Command Line Options

Designation	Definition
-S = Server	Name or IP address of the host providing lpd service
-P = Printer	Name of the print queue
-C = Class	Job classification for use on the burst page
-J = Job	Job name to print on the burst page
-o = option	Indicates type of the file (by default assumes a text file) Use “-o l” for binary (e.g., postscript) files
-x	Compatibility with Sun OS 4.1.x and prior
-d	Send data file first

The print file will pass through the Print-to-Queue driver transparently and will be added to the Job Queue as a new entry.

Configuring Linux to Submit to Plotworks Job Queue



This is a sample configuration. Your system might be slightly different, needing slightly different steps. This sample uses Linux 5.2 as the operating system submitting the job. The Unix setup uses similar steps.

1. Launch the Print System Manager (Printer Tool).
2. Click the **Add** button and select **Remote Unix (lpd) Queue**.
3. Configure the port:
 - **Name** – Will automatically be set to lp0, lp1, lp2, etc.
 - **Spool Director** – Leave the default
 - **File Limit** – Leave the default. Probably **0** (zero).
 - **Remote Host** – Set this value to the “IP address” or “Fully Qualified Domain” of the PC sharing the queue.
 - **Remote Queue** – Set this value to the “share name” of the printer that is configured with “PlotWorks Print-to-Queue”
 - **Input Filter** – This is the print driver that Linux is going to use to create the image file. The recommended driver is the generic “PostScript” driver, but other “PostScript” drivers might work as well.

The system is now ready to submit jobs from Linux (or Unix) to the PlotWorks Job Queue for printing.

Printing from AutoCAD or Microstation to the Job Queue

In Appendix H is a section, “Printing from AutoCAD Directly to PlotWorks Job Queue”, which contains screen and procedures for placing files from AutoCAD straight to the Job Queue.

In Appendix I, there is also a section, “Printing from Microstation SE Directly to Plotworks Job Queue”, which contains screens and procedures for placing files from Microstation SE straight to the Job Queue.

Troubleshooting

- Q. I get an error message that the Print-to-Queue files cannot be installed. What should I do?
- A. This usually means that the file **mfc42.dll**, found in your C:\WINNT\system32 folder, is outdated. Rename the original file to something like “mfc42.old” then copy the **mfc42.dll** found on the installation disk into the C:\WINNT\system32 folder.

- Q. I did that and tried to reinstall, but I get the same message. Now what?
- A. At times, Windows does not update the registry correctly. You might need to do this manually. To do so, click on the Windows Start button and select Run. Type regedit and click OK. When the Registry Editor displays, click on the following items:

My Computer

HKEY_LOCAL_MACHINE

SYSTEM

CurrentControlSet

Control

Print

Monitors

Then select **PlotWorks Port** and delete it. Exit from the Registry Editor.

Go to an MS-DOS command prompt and type **net stop spooler** and press **Enter**. You will receive the prompt: The Spooler service was stopped successfully.

Now type **net start spooler** and press **Enter**. You will receive the prompt: The Spooler service was started successfully. Exit from the DOS command prompt. You can now try to set up Print-to-Queue.
