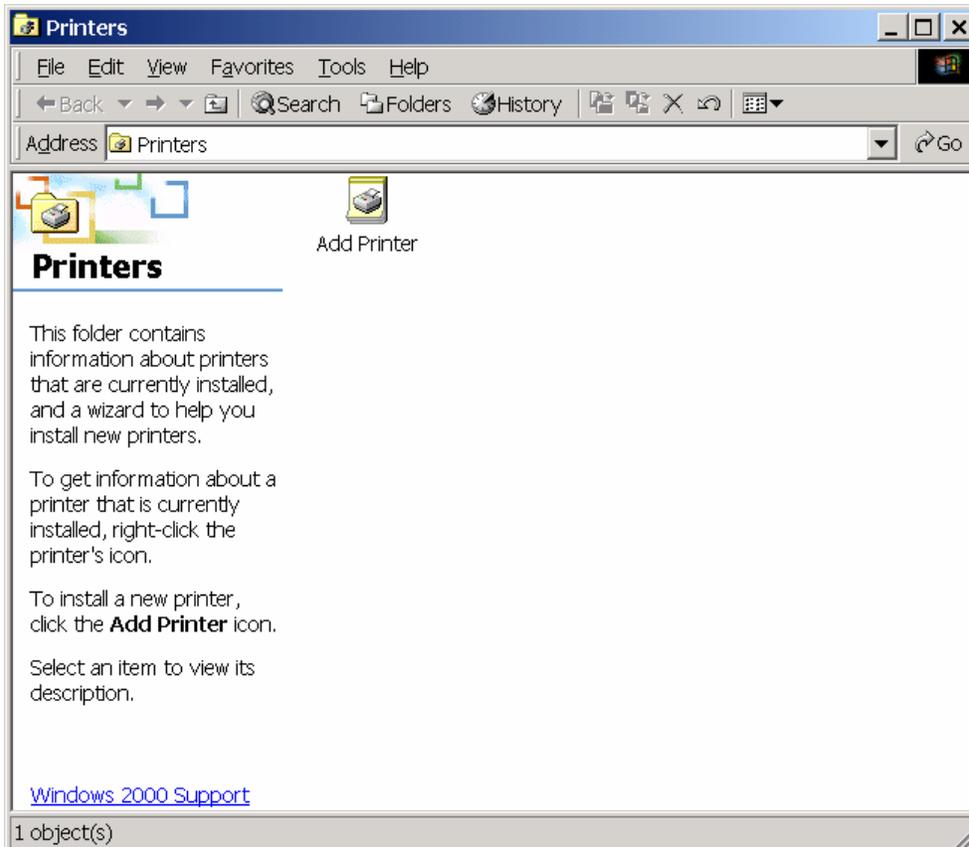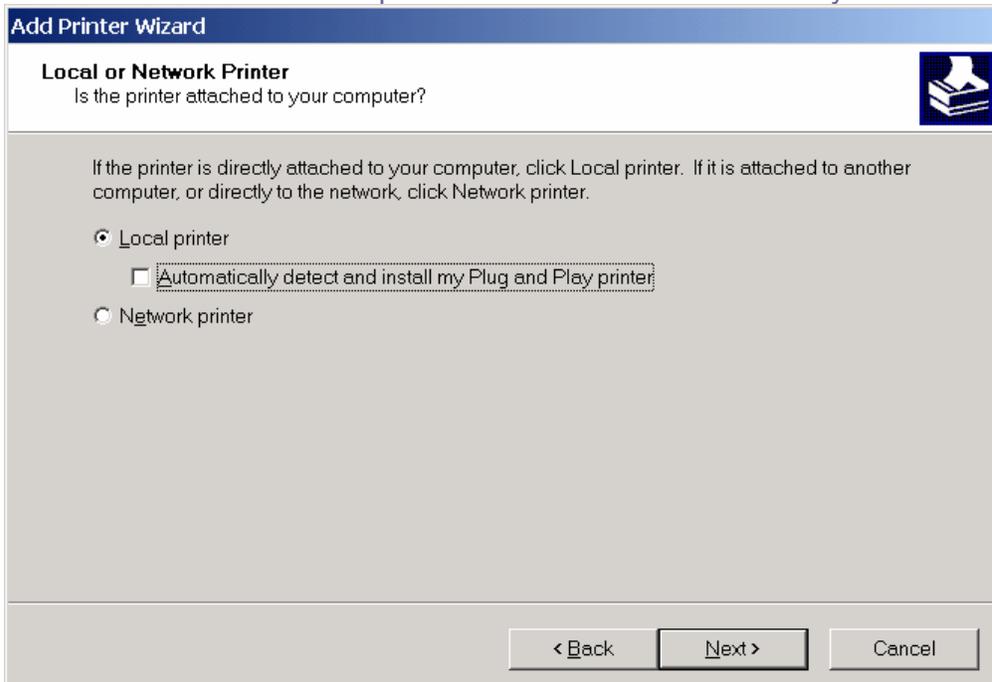# Network Printing In Windows 2000

To install a printer on your network using D-Link Print Server or DI-series router with built-in print server you do not need to install any additional software. Windows 2000 has built-in client for TCP/IP printing. To install a printer on your network go to Start –> Settings -> Printers –> double-click on the Add Printer icon.

Click on Next. Select "Local printer…" and untick "Automatically detect…" option:

Click on Next. Select "Create a new port" and "Standard TCP/IP Port":

Add Printer Wizard

Select the Printer Port
Computers communicate with printers through ports.

Select the port you want your printer to use. If the port is not listed, you can create a new port.

○ Use the following port:

Port	Description	Printer
LPT1:	Printer Port	
LPT2:	Printer Port	
LPT3:	Printer Port	
COM1:	Serial Port	
COM2:	Serial Port	
COM3:	Serial Port	

Note: Most computers use the LPT1: port to communicate with a local printer.

◉ Create a new port:
Type: Standard TCP/IP Port ▼
         Local Port
         Standard TCP/IP Port

[< Back] [Next >] [Cancel]

In the Add Standard TCP/IP Printer Port dialog, under "Printer Name or IP Address" type in the IP address of your router/print server (DI-series router's default IP is **192.168.0.1,** DP-series print server address may differ). Under "Port Name" you can type any name you want as soon as your computer does not already have port with the same name:

Add Standard TCP/IP Printer Port Wizard ✕

Add Port
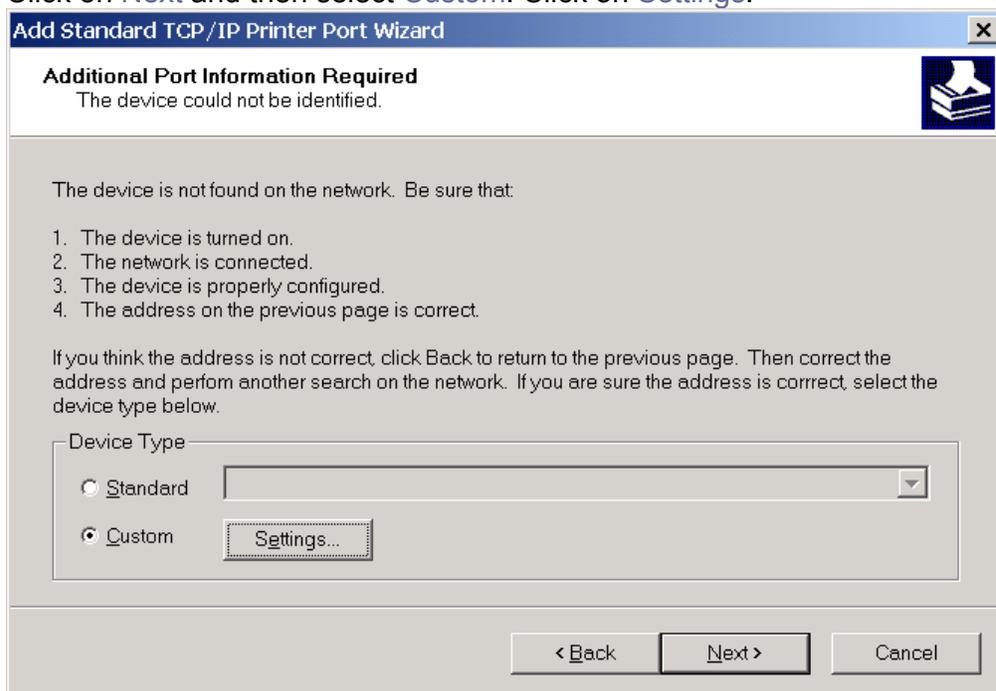For which device do you want to add a port?

Enter the Printer Name or IP address, and a port name for the desired device.
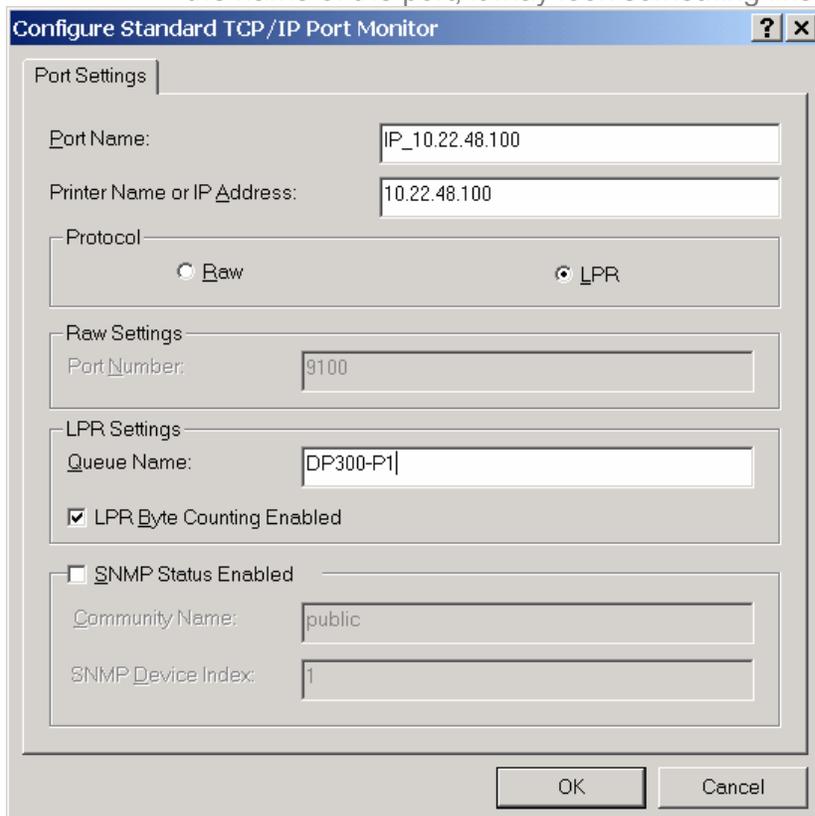
Printer Name or IP Address: 10.22.48.100

Port Name: IP_10.22.48.100

[< Back] [Next >] [Cancel]

Click on Next and then select Custom. Click on Settings.

Set Protocol to LPR.
Set Queue Name to "**LP**" if you are using DI-series router with print server built-in.

          If you are using a different print server (e.g. DP-300) you need to enter the name of the port in your print server here. Log into your print server and check the name of the port, it may look something like "ps-050b8f-p1":

Most printers require LPR Byte Counting Enabled.

Click on OK. Click on Next.

Next step is printer driver installation. Select your model from the list or use driver provided with the printer.

Add Printer Wizard

Add Printer Wizard
The manufacturer and model determine which printer to use.

Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.

Manufacturers:
- Epson
- Fujitsu
- GCC
- Generic
- Gestetner
- HP
- IBM

Printers:
- HP LaserJet 4M Plus
- HP LaserJet 4/4M Plus PS 300
- HP LaserJet 4/4M Plus PS 600
- HP LaserJet 4L
- HP LaserJet 4ML
- HP LaserJet 4L/4ML PostScript
- HP LaserJet 4P

Have Disk...

< Back   Next >   Cancel
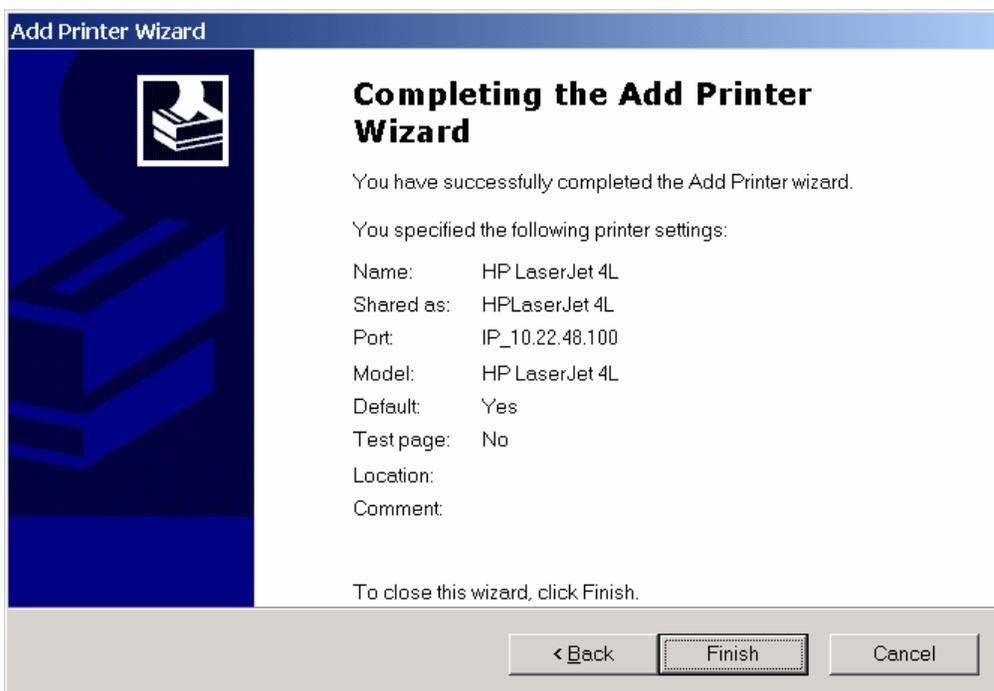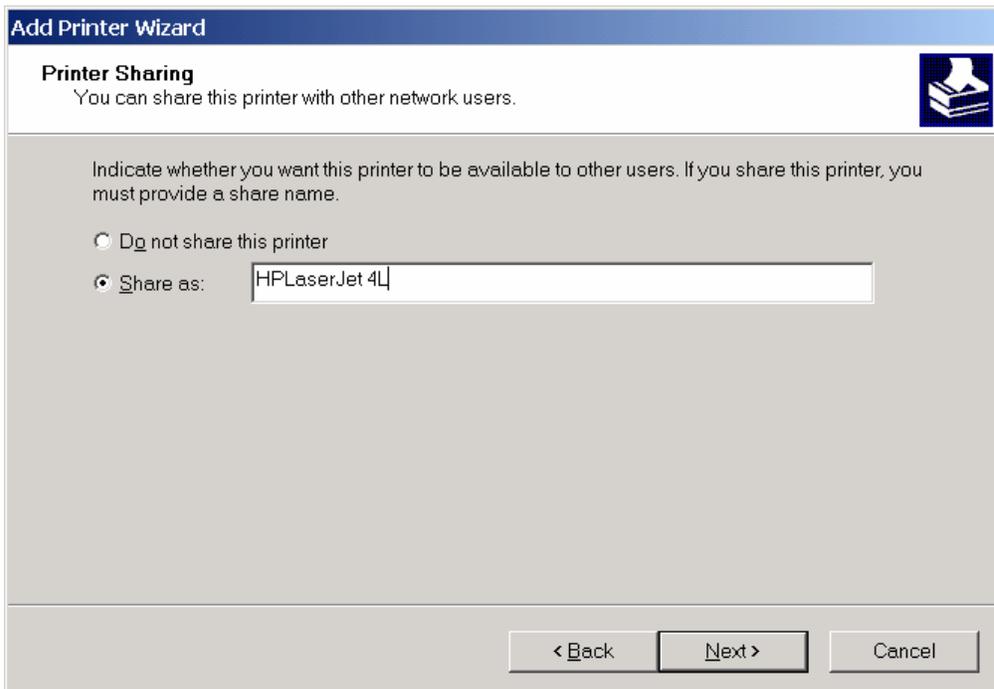
Add Printer Wizard

Name Your Printer
You must assign a name for this printer.

Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.

Printer name:
HP LaserJet 4L

< Back   Next >   Cancel

Add Printer Wizard

Printer Sharing
You can share this printer with other network users.

Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.

○ Do not share this printer

● Share as: HPLaserJet 4L

[< Back] [Next >] [Cancel]

Add Printer Wizard

Completing the Add Printer Wizard

You have successfully completed the Add Printer wizard.

You specified the following printer settings:

Name: HP LaserJet 4L
Shared as: HPLaserJet 4L
Port: IP_10.22.48.100
Model: HP LaserJet 4L
Default: Yes
Test page: No
Location:
Comment:

To close this wizard, click Finish.

[< Back] [Finish] [Cancel]

Click on Finish. Printer setup completed.

Troubleshooting

If you can not print try the following:

1. Log into the router and select Status page.
Under Peripheral the status should be Printer: Ready. If it is not: restart your printer and restart router. Then check the Status page again.

2. Try to disable LPR Byte Counting: go to Start > Printers and Faxes > right-click on the printer icon and select Properties. Select Ports tab and click on Configure Port.

3. Some printer drivers which come with printers do not support network printing. Try to reinstall your printer using drivers built-into Windows XP (Microsoft drivers). If you do not see your particular model in the list try selecting a different model from the same series.

4. Certain printers may not work with print servers because they do not have command interpreters built in to the printer. Such printers are designed to operate only when connected directly to a computer and will not be able to function on a network. These printers are normally referred to as "GDI Printers", "Host-based Printers", "WPS Printers".

Please check with your printer manufacturer if your printer is not a host-based printer and if it can be used with a print server on a network.
If you are using a multi-function printer, you may not be able to use functions other than printing.

~ End of document ~