# **D-Link DPR-1020** USB Multifunction Print Server

Manual

Rev. 01 (November, 2008)



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## **Package Contents**



## **Contents of Package:**

- D-Link DPR-1020 USB Multifunction Print Server
- Manual and Warranty on CD
- Printed Quick Installation Guide

If any of the above items are missing, please contact your reseller.

## **System Requirements:**

- A computer with Ethernet interface.
- Windows Vista/XP/2000/NT4/ME/98SE/95

Or

Apple Mac OS 9.x to MAC OS X 10.4.x

Or

- Linux, Solaris, SCO Unix, AIX
- Internet Explorer 6.0 or above; Netscape Navigator version 6.0 or above, with

JavaScript enabled

■ Your printer must support the required operating system.

## Introduction

D-Link's DPR-1020 Print Server allows you to connect a USB Multi-Function Printer (MFP) to your existing Ethernet network. This product lets multiple users print, scan and fax using the connected printer. The DPR-1020 also manages the flow of print files and delivers print jobs quickly and efficiently.

The DPR-1020 comes with easy to use software compatible with most Windows-based networks. Protocol support for TCP/IP, NetBEUI, and AppleTalk are provided to ensure seamless connection to major networking operating systems.

The DPR-1020 has a built in web configurator that allows users to easily configure the Print Server and manage multiple print queues through TCP/IP.

The DPR-1020 improves upon network printing services in the following ways: The DPR-1020 manages the print file traffic for all of the connected printers. This provides relief for your file servers and allows them to be used to their full capacity for file access or other network services. On peer-to-peer networks, workstations can print directly to the Print Server without increasing the load of another workstation or server.

The DPR-1020 Print Server is portable and cheap compared to a PC-based print server. This means you're able to deploy the DPR-1020 in locations that offer maximum convenience to users.

Use the included PS-Link software to enable your computer to use your MFP printer's print/scan/fax/copy functions. **PS-Link** helps you to install your printer's

manufacturer drivers without creating a physical USB connection from your printer to your computer. After the software provided by your printer's manufacturer is installed, using the printer's scan and fax functions will be exactly the same as how it's described in your printer's manual.

Use PS-Wizard to easily add a network printer on Windows for traditional TCP/IP printing.

The DPR-1020 is compatible with all major network operating systems and protocols:

#### TCP/IP

UNIX lpr/lpd (HP-UX, SunOS, Solaris, SCO, UnixWare, IBM AIX) Windows NT/2000, Windows 95/98SE/ME, Windows XP/Vista, NetWare 5.x NDPS LPR Remote Printing

#### NetBEUI

Windows NT/2000/XP, Windows 95/98SE/ME, Windows for Workgroups, Microsoft LAN Manager, IBM LAN Server

#### AppleTalk

MacOS EtherTalk

The PS software, PS Link and PS Wizard, allows further configuration of the MFP server:

PS-Link —Use this to enable your computer to use your printer's print/scan/fax/copy functions and GDI printing. PS-Link helps you to install your printer's manufacturer drivers without creating a physical USB connection from your printer to your computer. For more information see the "Using The PS Software Chapter". ➤ PS-Wizard — This tool allows you to easily add a printer to your computer. For more information see the "Using The PS Software Chapter".

## **External Features**

### **Port Connectors**

The DPR-1020's USB printer port is located on the rear panel of the device and is configurable using the web configurator.

The default IP address of the DPR-1020 is automatically acquired from a DHCP server on the network. If a DHCP server cannot be found the default IP address for the DPR-1020 will be **192.168.0.10**.

**NOTE**: Your PC's IP Address must be in the same subnet as the Print Server's IP Address for the two devices to communicate. (For example, if MFP server's IP Address is 192.168.0.10, with a subnet mask of 255.255.255.0, then your computer's IP Address should be 192.168.0.x, where x is a value between 1-254, excluding 10.)

## **Rear Panel Connectors**



### **Ethernet Port (LAN)**

The Print Server's rear panel features an Ethernet port for connecting 10/100Mbps CAT 5 Ethernet cables. This port supports the NWay protocol, allowing the Print Server to automatically detect or negotiate the transmission speed of the network.

### **DC Power Connector**

The DC power input connector is labeled DC 5V.

### **LED Indicators**



The top of the Print Server features three LEDs:



A steady blue light confirms that the Print Server is turned ON.

## 🛯 USB 🦞

A steady blue light indicates the printer is online and successfully connected to the print server. This light will also blink to indicate that data is being transferred between the print server and printer.



A steady blue light confirms that the Print Server has a connection to an Ethernet network. This light will also blink when receiving or transmitting data on the network.

These three LED indicators are also used during the Print Server's Power-ON Self Test to indicate any hardware failures.

## Setting up the DPR-1020

### **Installing the Print Server**

**WARNING:** There may be configuration problems if the Print Server is turned on without first establishing a network connection.

Follow the steps below to avoid any complications during the hardware installation:

1. Confirm that the printer you will use to connect to the DPR-1020 is operating correctly.

2. When you have confirmed that the printer is operating correctly, switch its power OFF.

3. Confirm that your network is operating normally.

4. Using a CAT 5 Ethernet cable, connect the DPR-1020 Ethernet Port (labelled **LAN**) to the network.

5. While the printer is turned OFF, connect the USB printer cable to the printer and then to the USB port on the Print Server.

6. Switch on the printer.

7. Insert the power adapter's output plug into the DC 5V power socket on the rear panel of the Print Server.

8. Connect the other end of the power adapter into a power outlet. This will supply power to the Print Server. The blue LED on the Print Server's front panel should turn on and the Print Server's self-test will proceed. Setting up the DPR-1020

### **Power ON Self-Test**

Every DPR-1020 has been factory-tested to operate properly.

When the DPR-1020 is powered ON, it automatically performs a Self-Test on each of its major components. The final result of the Self-Test is signaled by the state of the USB LED indicator following the Self-Test. Preliminary to the actual component tests, the three LED indicators are tested to confirm their operation.

Immediately after power-up, all three of the blue LEDs should illuminate steadily for several seconds. Then the USB LED should light OFF simultaneously. Irregularity of any of the three LEDs during these LED tests may mean there is a problem with the LEDs themselves.

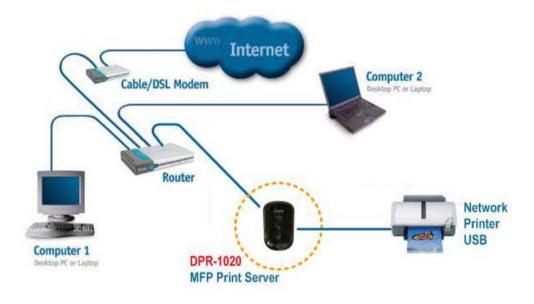
The actual component tests immediately follow the LED tests. A normal (no fault) result is signaled by simultaneous flashing of the LEDs three times, followed by a quiescent state with all three LEDs dark.

If the Self-Test routine traps any component error, then following the LED tests the Self-Test will halt and the LEDs will continuously signal the error according to the following table. In the event of any such error signal, contact your dealer for correction of the faulty unit.

USB LED	Faulty Component
On	DRAM error
1 long 3 short	Flash Protected
1 long 5 short	Flash Erase/Program error
1 long 6 short	LAN Controller error
1 long 14 short	LAN MII error
1 long 18 short	USB error

## **Getting Started**

Below is a sample network using the DPR-1020. The DPR-1020 has a built- in web configurator that allows users to easily configure the Print Server and manage multiple print queues through TCP/IP.



**WARNING**: Only a USB printer may be connected to the USB port of the DPR-1020. Do not connect any other USB devices to the USB port of the DPR-1020; to do so, may damage the unit and will void the warranty for this product.

For a list of printers that are compatible with the DPR-1020, please see the Appendix in this manual. The compatibility list is not comprehensive. Even if it is not included in the list, your printer may be compatible with the DPR-1020.

## Using the PS Software

This chapter will introduce you to the installation and operation of the PS Software (**PS-Link** and **PS-Wizard**) with which the MFP Server can be configured further.

### **Auto-Run Installation**

Insert the included installation CD into your computer's CD-ROM drive to initiate the auto-run program. If auto-run does not start, click **My Computer** > [**CD ROM Drive** Letter].

The content of the installation CD-ROM includes:

- Install PS Software click this to install the PS Software, which contains PS-Link and PS-Wizard that can configure more settings for the MFP Server, such as:
  - Change the IP address
  - Support the multi-functions (Print/Scan/Copy/Fax) of a MFP printer, GDI printing, and other software from any MFP/GDI printer.
  - Easily add a printer to your computer.
- View Quick Installation Guide click this to preview the Quick Installation Guide in PDF format for step-by-step instructions of the MFP Server Installation.
- View Manual click this to preview the User Manual in PDF format for detailed information regarding the MFP Server.
- Install Acrobat Reader click this to install Acrobat Reader for the viewing and printing of PDF files found in this Installation CD-ROM.
- Exit click to close the Auto-Run program.

## **PS Software**

To avoid any conflict within your network, use the **PS Software** to change your MFP Server's settings, such as the IP address.

The PS Software contains two utilities: PS-Link and PS-Wizard.

### **Installing PS Software**

1. Click the Next > button in the welcome window of the InstallShield Wizard.



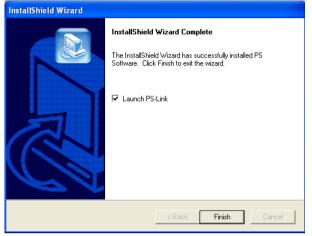
 Specify the destination location by clicking the Browse... button. Otherwise, click the Next > button to continue.

InstallShield Wizard
Choose Destination Location Select folder where Setup will install files.
Setup will install PS Software in the following folder. To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder C:\Program Files\PS Software InstallShield < Back Next > Cancel

**3.** You may enter a new folder name in the Program Folder field if you want to change the default name. Otherwise click the **Next >** button to go to the next screen.

InstallShield Wizard	X
Select Program Folder Please select a program folder.	
Setup will add program icons to the Program Folo name, or select one from the existing folders list.	der listed below. You may type a new folder Click Next to continue.
Program Folders: PS Software	
Existing Folders: Accessories	
Administrative Tools Adobe AlphaNetworks ADL Instant Messenger Cantesia Studio 4	
FileManager Games Microsoft Office	<b>~</b>
InstallShield	
	< Back Next > Cancel

4. The **InstallShield Wizard** starts to install the software, and the Progress bar indicates the installation is proceeding until the following window shows up. Click the **Finish** button to complete the installation.



After installing the program, you can access the two utilities by clicking **Start**→ **Programs**→ **PS Software**.

The PS Software contains two utilities: PS-Link and PS-Wizard.

## **Using PS-Link**

**PS-Link** (Windows 2000/XP/2003/Vista), is a utility that will help you use your printer manufacturer drivers with the MFP print server. Using the **Link** command you can simulate a physical USB connection between your computer and printer, thus enabling you to complete the installation of the manufacturer drivers without making a USB connection to your computer.

To start PS-Link, go to **Start Programs PS Software**, and click **PS-Link**.



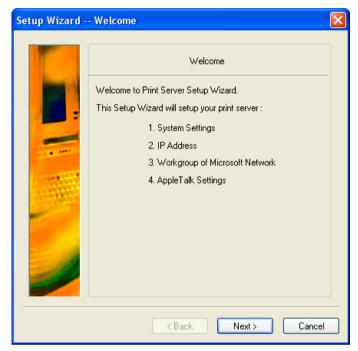
**PS-Link** will then start and automatically search for MFP servers in the same network segment. If the installation has been successful, you will see that the name of your MFP server has been discovered and is listed in the **Server Name** column. If your MFP server is not listed, please check your network connectivity and click the **Discover** button again.

🛎 D-Link PS-Link			
1 Server Name ✔dink-812AFA	Information           MAC Address         00 ff 74 81 2a fa           IP Address         10.62.31.15 (Manual)           Model         DPR-1020           Firmware         1.00           UpTime         0 days, 00:26:19	Setup Wizard Change IP Address Web Setup	
	Printer Port     Port 1       Port Name     dlk-812AFA-U1       Device Name     No Printer Detected       State     No Device       User     Vertice	Disconnect 4	
	Link UnLink	Lock UnLock	
Discover	About	Close	
2 Ready 1 Servers			

- Server Name: This list displays the name of the MFP Servers within the network.
   Discover: Click this button to search for more MFP Servers.
- Status Bar: The status bar at the bottom of the screen displays the current system status and number of connected MFP servers.
- Information: This field displays basic information regarding the selected MFP Server in the Device List.

There are also three buttons: **Setup Wizard**, **Change IP Address**, and **Web Setup**. Here is an explanation of each button:

**[Setup Wizard]** – Setup Wizard will allow you to configure the print server step-by-step. When this button is clicked, the following screen will display.



Click **Next >** to begin configuring the settings.

Using the PS Software

### System Settings

Enter the Server Name, Port Name and Password for the print server.

Click **Next >** to continue to the next page and **Cancel** to exit.

Setup Wizard -	- System				×
Setup Wizard -	- System Server Name : Port Name : Password :		stem (dlink-812AFA) (dlk-812AFA-U1		×
		< Back	Next >	Cancel	

#### • Changing the IP Address:

Select **Manually Assign** to enter a specific IP address for the print server or **DHCP Assign Automatically** to assign the server an IP address automatically. Click **Next** > to continue to the next page or **Cancel** to exit.

Setup Wizard -	IP Address	X
	IP Address	
100	Manually Assign	
-	IP Address 10 . 62 . 31 . 15	
-	Subnet Mask 255 . 0 . 0 . 0	
-	Default Gateway 10 62 31 1	
	O DHCP Assign Automatically	
	< Back Next > Cancel	

Using the PS Software

### Microsoft Network Workgroup

Type the name of the Microsoft Workgroup.

Click **Next >** to continue to the next page or **Cancel** to exit.

Setup Wizard -	- Microsoft Net	twork	×
	Workgroup :	Microsoft Network	
	(	< Back Next > Cancel	

Using the PS Software

### AppleTalk Settings (Optional)

Enter the AppleTalk Zone or just type "\*" if your AppleTalk network is not divided into zones. Type the Printer Type.

Click **Next >** to continue to the next page or **Cancel** to exit.

Setup Wizard -	- AppleTalk	×
Setup Wizard -	AppleTalk AppleTalk AppleTalk Printer Type : LaserWriter	X
	< Back Next > Cancel	

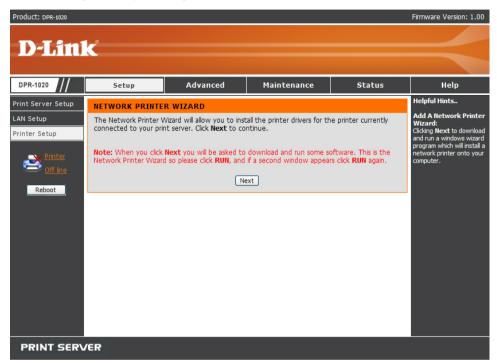
After the configuration of these screens is complete, click **Save** to store the settings that are displayed or **Cancel** to abort. You can also click **< Back** to modify these settings.

Setup Wizard -	- Save to Print Server	X
	Save to Print Server	
	Server Name : dlink-812AFA Port Name : dlik-812AFA-U1 Password : IP Address : 10.62.31.15 Subnet Mask : 255.0.00 Default Gateway : 10.62.31.1 Workgroup : WORKGROUP AppleTalk Zone : * Printer Type: LaserWriter	
2	Do you want to save settings to Print Server ?	2

[Change IP Address] - Click this button to bring up the following screen. This screen allows you to change the IP Address of the MFP Server. Select Manually Assign to enter a specific IP address for the MFP server or DHCP Assign Automatically to assign the server an IP address automatically. Click OK to save your changes or Cancel to abort.

n			
10	. 62	. 31	. 15
255	. 0	. 0	. 0
10	. 1	. 1	. 254
utoma	tically		
Cance	el		
	10 255 10 utoma	10         62           255         0	10       .62       .31         255       .0       .0         10       .1       .1         utomatically

**[Web Setup]** – Click this button to launch the web configurator. You can also launch the web configurator by clicking on the name of the server in the Device List.



Printer Port: This field displays basic information and the current status of the

connected printer. It also allows you to use the four control buttons (Link, UnLink,

Lock, UnLock).

**[Link]** – The function of this button is to simulate the physical connection between the printer and computer via a USB cable. This means you can set up a link by simply clicking this button without physically attaching the printer's USB cable to your computer. This is because the USB cable will be connected from your printer to the print server and not to your computer.

**[UnLink]** – This button disconnects the simulated link between the printer and the computer.

**[Lock]** – Clicking the **Lock** button will enable **Single User Mode**. In this mode only one user may print.

[UnLock] – Clicking the Unlock button will enable the Shared Mode.

**6** About: Click this to display the PS-Link version number. Click the **OK** button to close this window.



Close: To exit PS-Link, click this button.

### Installing and Using a MFP/GDI Printer

This section will tell you how to use a MFP/GDI printer through the PS-Link utility after the printer manufacturer's driver has already been installed.

#### For PCs with the MFP/GDI printer driver installed:

If your computer already has the MFP/ GDI printer driver installed, you can just click the [Link] button in **PS-Link** to complete the connection between the printer and your computer.

#### For PCs without the MFP/GDI printer driver installed:

If your computer does not have the MFP/GDI printer driver installed, you may use the following procedure:

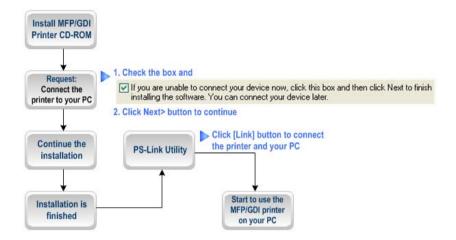
1. Insert the manufacturer's CD-ROM into your computer's CD-ROM drive to initiate the auto-run program.

2. Follow the instructions of the manufacturer's CD-ROM to install the MFP driver and other software until you are requested to attach the printer's USB cable to your computer.

3. The installation steps will be different depending on the printer and manufacturer brand. Below you will find diagrams for several printers from different manufacturers:

#### Using the PS Software

#### For HP:



1. When the installation program asks you to connect the USB cable you are allowed to connect it later by checking a box. Click the **Next >** button to continue the rest of the installation.

1 Maka sura	the device is powered	00		
2. Connect th		UR.		
	е извісаціе.			
eck this box				
	2			
	a)		( De	
	A A		100	
			) -	

2. When the installation of all drivers has been completed, you may use the **PS-Link** utility to complete the physical connection between the MFP/GDI printer and your computer by clicking the [**Link**] button.

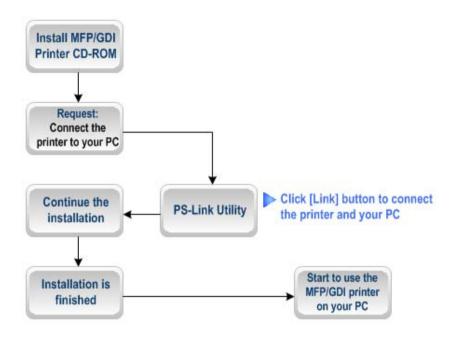
D D-Link PS-Link			
Server Name	Information MAC Address IP Address Model Firmware UpTime Printer Port Port Name Device Name State User Link	00 FF 66 1D 6F A3 10.62.31.15 USB MFP Server 1.00 0 days, 00:05:46 Port 1 dlk-1D6FA3-U1 HP OFFICEJET 7200 Ready UnLink	Setup Wizard Change IP Address Web Setup Connect series
Discover		About	Close
Ready		1 Servers	

If the connection has been made successfully, the following message will display. Press **OK** to exit.



3. Now the MFP/GDI printer is ready to use. You may start to use the MFP/GDI printer through your computer.

### For EPSON:



### Using the PS Software

1. When the installation program asks you to connect the USB cable of the MFP/GDI printer to your computer, you are not allowed to ignore it; therefore, you need to use **PS-Link** to simulate a USB connection between your printer and computer.



2. To do this launch the **PS-Link** utility and click the [Link] button.

🛎 D-Link PS-Link			
Server Name	Information MAC Address IP Address Model Firmware UpTime	00 ff 74 81 2a fa 10.62.31.15 (Manual) DPR-1020 1.00 0 days, 00:26:19	Setup Wizard Change IP Address Web Setup
	Printer Port Port Name Device Name State User	Port 1 dlk-812AFA-U1 No Printer Detected No Device	Disconnect
	Link	UnLink	Lock UnLock
Discover		About	Close
Ready		1 Servers	

When the connection has been completed successfully, a message will display. Press **OK** to exit.

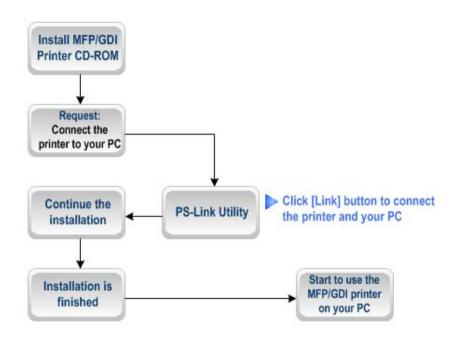


3. Now you have to go back to continue the installation of the MFP/GDI printer CD-ROM on your computer in order to complete the rest of installation steps.

4. When the installation is complete, you may start to use the multi-functions (Print/Scan/Copy/Fax) of the MFP/GDI printer through your computer.

### Using the PS Software

### For Canon:



1. When the installation program asks you to connect the USB cable of the MFP/GDI printer to your computer, you are not allowed to ignore it; therefore, you need to use **PS-Link** to simulate a USB connection between your printer and computer.



2. Launch the **PS-Link** utility and click the [Link] button.

🛎 D-Link PS-Link			
Server Name	Information MAC Address IP Address Model Firmware UpTime	00 ff 74 81 2a fa 10.62.31.15 (Manual) DPR-1020 1.00 0 days, 00:26:19	Setup Wizard Change IP Address Web Setup
	Printer Port Port Name Device Name State User	Port 1 dlk-812AFA-U1 No Printer Detected No Device	Disconnect
	Link	UnLink	Lock UnLock
Discover		About	Close
Ready		1 Servers	

When the connection has been completed successfully, a message will display. Press **OK** to exit.

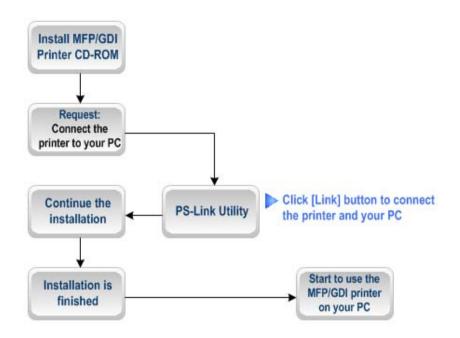


3. Now you have to go back to continue the installation of the MFP/GDI printer CD-ROM on your computer in order to complete the rest of installation steps.

4. When the installation of the MFP/GDI printer CD is complete, you may start to use the multi-functions (Print/Scan/Copy/Fax) of the MFP/GDI printer through your computer.

### Using the PS Software

### For Lexmark:



1. When the installation program asks you to connect the USB cable of the MFP/GDI printer to your computer, you are not allowed to ignore it; therefore, you need to use **PS-Link** to simulate a USB connection between your printer and computer.

Lexmark 3	400 Series Installation
6	Connect Your Printer
T	Please 1) connect all cables to your printer, and, 2) turn the power on.
	How is the printer connected to your computer?
	With a USB cable
	Note: Installation will continue automatically when the USB cable is connected. Tips for connecting USB cables
	The printer is attached to and shared on a remote computer (Peer-To-Peer).
LE	Cancel Continue

2. Launch the **PS-Link** utility and click the [Link] button.

🛓 D-Link PS-Link			
Server Name dink-812AFA	Information MAC Address IP Address Model Firmware UpTime	00 ff 74 81 2a fa 10.62.31.15 (Manual) DPR-1020 1.00 0 days, 00:26:19	Setup Wizard Change IP Address Web Setup
	Printer Port Port Name Device Name State User	Port 1 dlk-812AFA-U1 No Printer Detected No Device	Disconnect
	Link	UnLink	Lock UnLock
Discover		About	Close
Ready		1 Servers	

When the connection is completed successfully, a message will display. Press **OK** to exit.

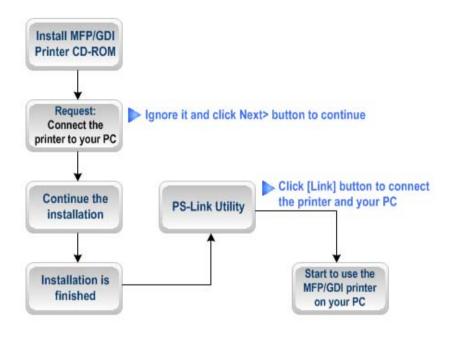


3. Now you have to go back to continue the installation of the MFP/GDI printer CD on your computer in order to complete the rest of installation steps.

4. When the installation of the MFP/GDI printer CD is complete, you may start to use the multi-functions (Print/Scan/Copy/Fax) of the MFP/GDI printer through your computer.

### Using the PS Software

### For Samsung:



1. When the installation program asks you to connect the printer to your computer, just ignore it and click the **Next>** button to continue.

🛃 Samsung SCX-4200 Ser	ies 👂
Connect Device Setup can not find a connected and the printer	device. Check connection between your computer
	If you want to install Samsung SCX-4200 Series properly you have to connect Samsung SCX-4200 Series before installation. You may connect the device using the printer cable as the figure shows, then turn on the power of Samsung SCX-4200 Series. Click [Next>]. Please refer to the following connection method. 1. Connect the device to your computer 2. Turn on the power of the device 3. If "New Hardware Wizard" is appeared, close it. 4. Click [Next]
	<back cancel<="" td=""></back>

2. The program will prompt you again to connect the two devices, click **No** and continue with the rest of the installation.

Samsung	SCX-4200 Series			
(į)	Device is not connected or po If you want to install without co	wer is turned off.C nnected device th Yes	Connect the device and turn on the power, then click [YES] butto hen click [NO] button.	n.

3. After the installation of the MFP/GDI printer CD has finished, you may use

**PS-Link** to complete the physical connection between the MFP/GDI printer and your computer.

Click the [Link] button of the PS-Link window as below.

🚔 D-Link PS-Link		
Server Name	Information           MAC Address         00 ff 74 81 2a fa           IP Address         10.62.31.15 (Manual)           Model         DPR-1020           Firmware         1.00           UpTime         0 days, 00.26:19	Setup Wizard Change IP Address Web Setup
	Printer Port     Port 1       Port Name     dlk-812AFA-U1       Device Name     No Printer Detected       State     No Device       User     User	Disconnect
	Link UnLink	Lock UnLock
Discover	About	Close
Ready	1 Servers	

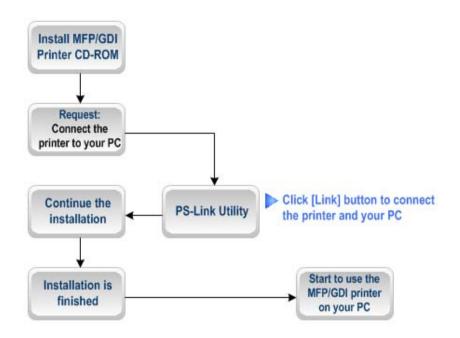
When the connection is successful, a message will display. Press OK to exit.



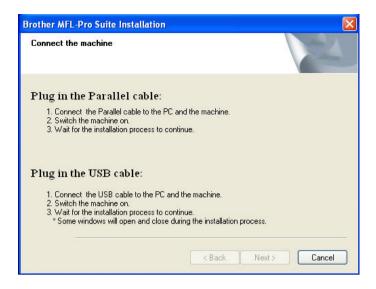
4. Now the MFP/GDI printer is ready to use through your computer.

### Using the PS Software

### For Brother:



1. When the installation program asks you to connect the USB cable of the MFP/GDI printer to your computer, you are not allowed to ignore it; therefore, you need to use **PS-Link** to simulate a USB connection between your printer and computer.



2. Launch the **PS-Link** utility and click the [Link] button.

🛓 D-Link PS-Link			
Server Name	Information MAC Address IP Address Model Firmware UpTime	00 ff 74 81 2a fa 10.62.31.15 (Manual) DPR-1020 1.00 0 days, 00:26:19	Setup Wizard Change IP Address Web Setup
	Printer Port Port Name Device Name State User	Port 1	Disconnect
	Link	UnLink	Lock UnLock
Discover		About	Close
Ready		1 Servers	

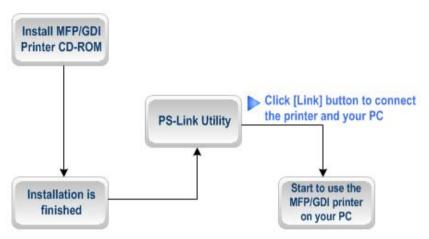
When the connection has been completed successfully, a message will display to inform you. Press **OK** to exit.

PS-Link	
1	Printer Brother MFC-7220 (Prot Name dlk-1D6FA3-U1) Link Successfully.

3. Now you have to go back to continue the installation of the MFP/GDI printer CD on your computer in order to complete the rest of installation steps.

4. When the installation of the MFP/GDI printer CD is complete, you may start to use the multi-functions (Print/Scan/Copy/Fax) of the MFP/GDI printer through your computer.

### For Fuji Xerox:



1. The installation program of the Xerox MFP/GDI printer will not request you to make a physical connection between the printer and your computer.

2. After the installation has finished, you will have to link the connection between the MFP/GDI printer and your computer in order to use the printer on your computer. To do this you need to use **PS-Link** to link the two devices.

Launch the **PS-Link** utility and click the [Link] button.

🛓 D-Link PS-Link			
Server Name	Information MAC Address IP Address Model Firmware UpTime	00 ff 74 81 2a fa 10.62.31.15 (Manual) DPR-1020 1.00 0 days, 00:26:19	Setup Wizard Change IP Address Web Setup
	Printer Port Port Name Device Name State User	Port 1 dlk-812AFA-U1 No Printer Detected No Device	Disconnect
	Link	UnLink	Lock UnLock
Discover		About	Close
Ready		1 Servers	

When the connection has been completed successfully, a message will display to inform you. Press **OK** to exit.

PS-Link	
<b>₽</b>	Printer Xerox WorkCentre 3119 Series (Prot Name dlk-1D6FA3-U1) Link Successfully.

3. Now the MFP/GDI printer is ready to use through your computer.

## **Using PS-Wizard**

**PS-Wizard** (Windows 2000/XP/2003/Vista) is a simple and useful tool for you to easily add a printer onto your computer without any complex configuration.

The **PS-Wizard** also allows you to change the IP address settings for the MFP Server – including such things as IP address, Subnet Mask address and default Gateway address.

Go to Start -> Programs -> PS Software, and select PS-Wizard.



I	D-Link PS-Wizard	
1	Print Server	
	Server Name IP Address MAC Address 1	
	dlink-812AFA 10.62.31.15 00 ff 74 81 2a D	
		Discover
		Configuration
ľ		
	O Dynamic IP (DHCP) Fixed IP	
	IP Address: 10 . 62 . 31 . 15	
	Subnet Mask : 255 . 0 . 0 . 0	
	Default Gateway: 10 . 62 . 31 . 1	Apply
4	Port Information	
	Port Name Printer Model dlk-812AFA-U1 No Printer Detected	
		Add Printer
	About	Close

- Print Server: This field allows you to manually discover any connected MFP Servers and to further configure a selected MFP Server.
- 2 LAN: Here you can select to use a Dynamic IP (DHCP) or a static IP address for the selected MFP server. Click Apply button to implement the new settings.
- Port Information: This is the main function of the PS-Wizard and enables you to easily add a printer onto your computer.

To add a printer, click

Add Printer, then the following screen will display.

list, or if your printer ca O Show currently ins	ame with an installation disk, click 'Have Disk'. talled drivers	
<ul> <li>Select from manufactoria</li> </ul>		
Manufacturers	Printer Models	
Digital Epson Fuji Xerox Fujitsu	HP LaserJet 1200 Series PCL HP LaserJet 1200 Series PS (MS) HP LaserJet 1220 Series PCL HP LaserJet 1220 Series PS (MS)	
GCC Generic Gestetner	HP LäserJet 2000 HP LaserJet 2100 HP LaserJet 2100 PCL6	
HP	HP LaserJet 2100 Series PS	l.

The wizard provides three ways for you to select a printer driver:

### 1. Show currently installed drivers:

Select this option to see if your printer software is already installed. If not, you may try the next method. After selecting a printer driver, click the **Next>** button to continue.

### 2. Select from manufacturer list:

Select this option, "Select from manufacturer list", to manually select your printer by brand and model. Click the **Next >** button to continue when you have selected the desired driver.

### 3. Have Disk:

Click the **Have Disk** button to bring up the following window. Insert the manufacturer's installation CD to install the printer driver. After the correct driver is selected, click the **OK** button to continue.

Install I	rom Disk	
4	Insert the manufacturer's installation disk, and then make sure that the correct drive is	ок
	selected below.	Cancel
	Copy manufacturer's files from:	
		Browse

After the selection of the printer driver, the wizard will ask you to confirm your selection again in the following window. You're allowed to edit the name of the printer in the "**Network Printer Name**" field and enable this printer as the default printer by checking the box "**Use this printer as the default printer for Windows-based programs**".

### Using the PS Software

After you have completed the verification and configuration, click the **Next** > button to continue. The printer (in this case the HP Laser Jet 2000) will be automatically created in the Windows' **Printers and Faxes** screen.

D Add a	ı Network Printer Confirm Printer Driver 🛛 🛛 🛛	
Please o Window	confirm the printer selection and choose whether to make this printer the s default printing device. Click NEXT to continue.	
Port Nar	me : dlk-812AFA-U1	
Printer M	fodel : HP LaserJet 2000	
Printer D	Driver : HP LaserJet 2000	
Network	Printer Name : HP LaserJet 2000 at //dlink-812AFA/dlk-812AFA-U1	
🔽 Use	this printer as the default printer for Windows-based programs.	
	🗞 Printers and Faxes	
	File Edit View Favorites Tools Help	
·	🕞 Back 🔹 🌍 👻 🏂 🔎 Search 😥 Folders 🔓 🎯	× "
	Address 🚱 Printers and Faxes	🖌 🄁 📀
	Add Printer Add Printer	I2AFA-U1

When the following screen displays, you can perform a print test by clicking the **Print Test Page** button. If everything is operating normally, then click the **Finish** button to exit.

D Add a Network Printer Network Printer is Ready	×
Congratulations! You have completed the installation process and should now be able to print. If you did not make a note earlier, please take some time now to write down and remember the network printer name.	
HP LaserJet 2000 at //dlink-812AFA/dlk-812AFA-U1	
To exit the installation click 'FINISH', or to print a test page click 'PRINT TEST PAGE'.	
Finish Print Test Pag	je

# **Using the Web Configurator**

### Home

To begin managing the DPR-1020, launch your browser and go to the following URL address:

dlink-xxxxxx

xxxxx being the last six digits of the DPR-1020's MAC address. The MAC address can be found on the bottom of the DPR-1020.

You can also access the web configurator by typing the IP address of the device.

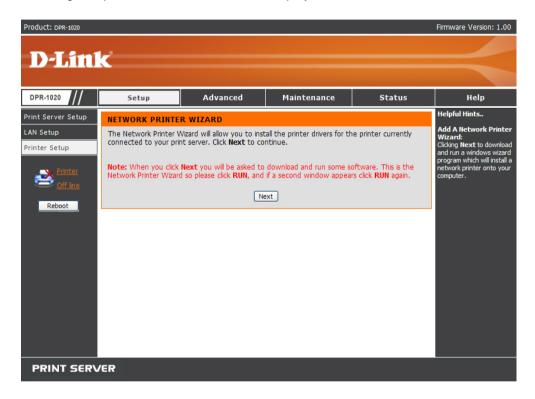
The default IP address is **192.168.0.10** but this may have changed if you have a DHCP server on your network.

When you enter the correct URL, a password input dialog will pop up. Input "admin" in the **User name** field, leave the **Password** field as blank, and click the **OK** button to login.



### Using the Web Configurator

This is the main screen of the MFP Server's web configurator. In addition to product information, there are five links on the top of the main screen: **Setup**, **Advanced**, **Maintenance**, **Status**, and **Help**. Clicking a link from the bar will display its submenu, selecting an option from the submenu will display the content in the center column.



## **SETUP > Print Server Setup**

The Print Server Setup screen allows you to modify the Print Server Name and Port Name. D-Link does not recommend changing these settings unless asked to do so by your network administrator.

Product: DPR-1020					Firmware Version: 1.00
D-Linl	K				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	НеІр
Print Server Setup LAN Setup Printer Setup Contemporter C	changing these setting PRINT SERVER NA Server	and Port Name can be c s unless asked to do so b	: dk-812AFA-U1 :		Helpful Hints Printer Setup: In this field, you can configure the basic information of your print server. Port Setting: In this field, you can assign the <i>Port Hame</i> for the print server, and the description for the Printer setting (Yes or No).
PRINT SERV	/ER				

### **Print Server Name**

In this section, you can configure the basic information of MFP server. The basic information contains the name of the print server, assigned in the **Server Name** field, and a location for the print server, assigned in the **Location** field (optional).

### **Port Settings**

In this section you can assign the Port Name for the print server and the description for the Printer port. It also allows you to select the PJL Printer setting (Yes or No). NOTE: PJL (Printer Job Language) has certain job requirements that must be met to work correctly. For more information, please refer to your printer's manual.

Click the Apply Settings button to save any changes or click Cancel to exit.

## SETUP > LAN Setup

The LAN Setup screen allows you configure the MFP server's local network settings. Please note that this section is optional and you should not need to change any of the settings here to get the MFP server up and running.

Product: DPR-1020					Firmware Version: 1.00
D-Linl	K				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Print Server Setup LAN Setup Printer Setup Coff Ine Reboot	that this section is opt your print server up an TCP/IP	ional and you should not r id running. Address : ③ Automatic ○ Manually A IP Addre Subnet	Assign ess : 192.168.0.10 Mask : 255.255.255.0 Gateway : 192.168.0.1		Helpful Hints TCP/IP: This section allows you to configure the TCP/IP setting: IP Address.
PRINT SERV	/ER				

### TCP/IP

These fields allow you to assign an IP address automatically or manually. When clicking **Manually Assign**, you should enter the following information in the boxes:

IP Address, Subnet Mask, and Default Gateway.

If you have made changes click Apply Settings to save them or click Cancel to exit.

## **SETUP > Printer Setup**

The Printer Setup screen allows you to install the printer drivers for the printer currently connected to your print server.



### **Network Printer Wizard**

Click **Next** to download a windows wizard program which will install a network printer onto your computer.

File Download - Security Warning	×
Do you want to run or save this file?	
Name: Addprt.exe Type: Application, 256 KB From: 10.62.31.15 Run Save Cancel	
While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do no run or save this software. <u>What's the risk?</u>	t

Click **RUN** to download and run the wizard. If a security warning appears click **RUN** again.

Internet	t Explorer - Security Warning	X
The pu softwa	blisher could not be verified. Are you sure you want to run this re?	
Na	me: Addprt.exe	
Publist	ner: Unknown Publisher	
	Run Don't Run	
8	This file does not have a valid digital signature that verifies its publisher. Yo should only run software from publishers you trust. <u>How can I decide what</u> <u>software to run?</u>	L

Select the printer you wish to add then click **Next >** to continue.

D Add a Network Printer Select Printer	×
Please select the printer required, then click NEXT to continue.	
Printer Model	
HP LaserJet 2000 at //dlink-812AFA/dlk-812AFA-U1	
< Back Next > Cancel	

The wizard provides three ways for you to select a printer driver:

### 1. Show currently installed drivers:

Select this option to see if your printer software is already installed. If not, you may try the next method. After selecting a printer driver, click the **Next>** button to continue.

D Add a Network Printe	r Select Printer Driver 🛛 🛛 🔀
NEXT. If your printer is not list	
HP LaserJet 2000 Snaglt 7 Printer	
Refresh Driver List	Have Disk
	<pre></pre>

### 2. Select from manufacturer list:

Select this option, "Select from manufacturer list", to manually select your printer by brand and model. Click the **Next >** button to continue when you have selected the desired driver.

Install Printer Driver If your printer softwar NEXT. If your printer	e is alrea is not list ame with	r Select Printer Driver dy installed, select your printer from the list ar ed, click 'Select from manufacturer list' to sele an installation disk, click 'Have Disk'.	
<ul> <li>Select from manul</li> </ul>	racturer i	ist	
Manufacturers		Printer Models	
Generic Gestetner HP	^	HP LaserJet 1200 Series PS (MS) HP LaserJet 1220 Series PCL HP LaserJet 1220 Series PS (MS)	^
IBM	-	HP LaserJet 2000	
infotec		HP LaserJet 2100	12180
lwatsu Kodak		HP LaserJet 2100 PCL6 HP LaserJet 2100 Series PS	
Konica	~	HP LaserJet 2200 Series PCL	~
		н	ave Disk
		< Back Next >	Cancel

### 3. Have Disk:

Click the **Have Disk** button to bring up the following window. Insert the manufacturer's installation CD to install the printer driver. After the correct driver is selected, click the **OK** button to continue.

Install I	From Disk	
4	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel
	Copy manufacturer's files from:	Browse

After the selection of the printer driver, the wizard will ask you to confirm your selection again in the following window. You're allowed to edit the name of the printer in the "**Network Printer Name**" field and enable this printer as the default printer by checking the box "**Use this printer as the default printer for Windows-based programs**".

After you have completed the verification and configuration, click the **Next >** button to continue. The printer (in this case the HP Laser Jet 2000) will be automatically created in the Windows' **Printers and Faxes** screen.

D Add a Network Printer Confirm Printer Driver 🛛 🔀	
Please confirm the printer selection and choose whether to make this printer the Windows default printing device. Click NEXT to continue.	
Port Name : dlk-812AFA-U1	
Printer Model : HP LaserJet 2000	
Printer Driver : HP LaserJet 2000	
Network Printer Name : HP LaserJet 2000 at //dlink-812AFA/dlk-812AFA-U1	
✓ Use this printer as the default printer for Windows-based programs.	
Separate Printers and Faxes	
File Edit View Favorites Tools Help	<b>1</b>
🕞 Back 👻 🕥 👻 🏂 Search 😥 Folders 🔒 🎲	× »
Address 🦦 Printers and Faxes	Go
Add Printer Add Printer	2AFA-U1

When the following screen displays, you can perform a print test by clicking the **Print Test Page** button. If everything is operating normally, click the **OK** button then click the **Finish** button to exit.

D Add a Network Printer Network Printer is Ready	×
Congratulations! You have completed the installation process and should now be able to print. If you did not make a note earlier, please take some time now to write down and remember the network printer name.	
HP LaserJet 2000 at //dlink-812AFA/dlk-812AFA-U1	
To exit the installation click 'FINISH', or to print a test page click 'PRINT TEST PAGE'. D-Link Add Printer Wizard	
A test page is now being sent to the printer.	
ОК	
Finish Print Test Pa	ge

## ADVANCED > Advanced LAN

The Advanced LAN screen allows you to change more advanced network settings for the MFP server. It's recommended not to change these settings unless instructed to do so by your network administrator. The Advanced LAN screen contains three sections: TCP/IP, Microsoft Network, and AppleTalk.

Product: DPR-1020 Firmware Version: 1.00							
D-Linl	K				$\prec$		
DPR-1020	Setup	Advanced	Maintenance	Status	Неір		
Advanced LAN	NETWORK SETTING	3			Helpful Hints		
User Access E-Mail Notification	Please do not change administrator.	TCP/IP: If you are using e-mail printing or e-mail notification, you will need					
SNMP	TCP/IP to setur Address						
Reboot	DNS S Mac Bonjou Sect MICROSOFT NETW	network has a DNS Gerver setup should you enter the address into the DNS Server Address box, otherwise leave it as 0.0.0.0. UPAP allows your print server to be discoverable on the network. Mac Bonjour/Rendezvous allows your print server to be discoverable on an Apple Mac network.					
	APPLETALK						
	A	xppleTalk Zone:*					
		USB : Cho	oser Name : dlk-	812AFA-U1			
				erWriter			
				vel 2 💙			
		Form	. Group : Sta				
		Apply Setti	ngs Cancel				
PRINT SERVER							

### TCP/IP

This section contains four configuration options: **DNS Server Address**, **UPnP**, **Mac Bonjour/Rendezvous**, and **Second HTTP Port**.

- UPnP: This option allows you to enable or disable UPnP.
- Mac Bonjour/Rendezvous: This option allows you to enable or disable Mac Bonjour/Rendezvous.
- Second HTTP Port: This option allows you to enable or disable a second HTTP Port for remote web configuration and IPP printing.

#### **Microsoft Network**

Enter the name of the Workgroup that you want the print server associated with.

#### AppleTalk

AppleTalk Zone: Enter the AppleTalk Zone name into this field .

Chooser Name: This field displays the print server's port name.

Printer Type: Enter the printer's type in this box.

**PostScript Level**: Select the PostScript Level from the drop-down list box (Level 1 or Level 2).

Font Group: Select the Font Group from the drop-down list box.

Once you have changed the settings in each option, click **Apply Settings** to store the settings, or **Cancel** to exit without saving.

### **ADVANCED > User Access**

The User Access screen allows you to create and maintain an authorized list of users that are allowed to access the MFP server.

Product: DPR-1020					Firmware Version: 1.00
D-Lini	K				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Неір
Advanced LAN User Access E-Mail Notification SNMP Printer Off Ine Reboot	the print server. Enable Authorise AUTHORISED USI Add User : PC De	s section allows you to build and maintain an authorised list of users that are allowed access to			Helpful Hints User Access: This section allows you to build and maintain an authorised list of users that are allowed access to the print server. Authorised Users: You can add/delete the user(s) to/from the User List. The User List at the bottom of the screen displays the current defined user and related information for the print server.
	2	PC Description	MAC Addres 00 80 C8 A1 B2 C3 00 C3 80 B2 C3 A1 ete	s Delete	
PRINT SERV	/ER				

#### **User Access**

By enabling the **Enable Authorised User List** option (**Yes**), the users in the User List below will be permitted to access the print server. Any user who is not added to this list will not be allowed to access the print server. Once you have changed the settings, click the **Apply Settings** button to store the settings or click **Cancel** to exit. Using the Web Configurator

#### **Authorised Users**

You can add or delete any user to or from the **User List**. The **User List** at the bottom of the screen displays the currently defined users and their related information.

### **ADVANCED > E-Mail Notification**

The E-Mail Notification screen allows you to assign an E-mail address to the MFP Server so that you will receive mail when the status of the printer changes. This screen also allows you to print mail sent to the print server e-mail address.

Product: DPR-1020					Firmware Version: 1.00
<b>D-Lin</b>	C				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Advanced LAN	E-MAIL				Helpful Hints.
User Access E-Mail Notification	Notification whether you want to print a hard copy of this email, and also the email account settings which the print server will use to send the email.				
SNMP	ENABLE E-MAIL NO	TIFICATION			message when the printer status changes through E- mail. To enable this
Offline Reboot		able e-mail notification ination e-mail Address		ole e-mail address)	function, set the Enable e-mail notification option to Yes. Then, input the administrator's E-mail address in the Destination e-mail Address box.
		Apply Setting	s Cancel		E-mail Account Details:
	E-mail test will send an e- Do you want to test an e	You can assign an E-mail address to the print server, so that you can send an alert message			
	E-MAIL ACCOUNT	DETAILS			when the printer status changes through SMTP server.
	Print	Server E-mail Address	:		E-mail Printing:
	Incoming E-mail (	POP3)Server Address	:		E-mail Printing (ASCII Text Only): Select <i>Enable</i> to
	Outgoing E-mail (S	5MTP)Server Address	:		enable the E-mail printing function.
			:		
	E-mail Acco	ount (POP3) Password	:		
		Apply Setting	s Cancel		
	E-MAIL PRINTING				
	E-mail Prin	ting (ASCII Text Only)	: O Enable D@ble		
		Check E-mail Interval	: 15 (minute	s)	
		Apply Setting	Cancel		
PRINT SERV	/ER				

### Enable E-mail Notification

You can set the print server to send an alert message to your email address when the printer status changes. To enable this function select **Yes** next to **Enable e-mail notification**. In the field below input the **Destination e-mail Address**.

#### **E-mail Account Details**

You can assign an E-mail address to the print server so that the mail of the account will be printed out directly through the printer (ASCII text only). To enable this feature, first enter the E-mail address in the **Print Server E-mail Address** field.

Then enter the Incoming POP3 server address in the Incoming E-mail (POP3)

Server Address field. Next enter the SMTP server address in the Outgoing E-mail (SMTP) Server Address field.

If your mail server needs to verify the user, enter the e-mail account user name and password in the Account (POP3) Name and E-mail Account (POP3) Password fields.

### **E-mail Printing**

This section is for you to configure E-Mail printing::

**E-mail Printing (ASCII Text Only)**: Allows you to enable or disable E-mail printing.

Check E-mail Interval: Allows you to set up a time interval in minutes to

check/receive E-mail periodically.

After completing the configuration, click the **Apply Settings** button to save the new configuration, or click **Cancel** to exit without saving.

# ADVANCED > SNMP

The SNMP screen allows you to use SNMP (Simple Network Management Protocol) to manage complex networks.

#### **SNMP Management**

**Community 1/2/3 Name**: Enter a name in the **Community 1/2/3 Name** field, and configure the **Access Right** by selecting **Read Only** or **Read/ Write** from the drop-down menu.

Product: DPR-1020					Firmware Version: 1.00
D-Lini	k				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Advanced LAN User Access	SNMP SETTING	to set the SNMP access pr	operty		Helpful Hints SNMP Management:
E-Mail Notification	SNMP MANAGEME		opercy.		SNMP (Simple Network Management Protocol) is a set of protocols for managing complex
Reboot	Comr	nunity 2 Name :	Only V		networks.
		Apply Settin	gs Cancel		
PRINT SERV	/ER				

### **MAINTENANCE > Password**

The Password screen allows you to change the password of the MFP server by entering the current password in the **Current Password** field and your new password in the **New Password** and **Confirm Password** fields. Click the **Apply Settings** button to save the new password, or click **Cancel** to exit without saving.

**NOTE:** The default password for the MFP server is blank.

Product: DPR-1020					Firmware Version: 1.00
D-Lin1	c				
DPR-1020	Setup	Advanced	Maintenance	Status	Неір
Password Save/Restore Settings Firmware Upgrade Diagnostics Off Ine Reboot	SET PASSWORD ( To change the print se password twice.	DPTIONAL) erver password, please typ User Name : Current Password : New Password : Confirm Password : Apply Setting	Admin	then the new	Helpful Hints Set Password: Click Apply Settings to set new password .
PRINT SERV	/ER				

### **MAINTENANCE > Save/Restore Settings**

The Save/Restore Settings screen allows you to save the current device configuration in a computer for later backup. It also allows you to reload a previous configuration.

To save the current device configuration click the [**Save**] button. To reload a previous configuration click [**Browse**] and select the backup file, then click [**Update Settings**] to reload it. You can also return the device to factory default settings by clicking [**Restore Device**].

Product: DPR-1020					Firmware Version: 1.00
D-Linl	K				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Password Save/Restore Settings  Firmware Upgrade  Diagnostics  Printer Offine Reboot	SAVE/RESTORE CO Save Settin Load Settings	o backup the whole confi	Update Settings	k when necessary.	Helpful Hints Save/Restore Settings: Click Save to backup your current configuration of the print server to file and then save in the computer. You can reload a configuration that you saved before. Click Browseto bonit to the backup file, and then click Update Settings.
PRINT SERV	/ER				

# **MAINTENANCE > Firmware Upgrade**

The Firmware Upgrade screen displays the current firmware information of the MFP server. It also allows you to upgrade the firmware of the MFP server when a new version of firmware is available.

Click Browse to point to the firmware file on your computer, and then click Upgrade.

Product: DPR-1020					Firmware Version: 1.00
D-Linl	K				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Password Save/Restore Settings Firmware Upgrade Diagnostics Printer Off Ine Reboot	Link technical support. FIRMWARE INFORM Firm FIRMWARE UPGRA Note: Some firmwar performing an upgra Maintenance->Save To Upgrade the firm Upgrade button.	MATION MATION Inware Version : 1 Release Date : 2 DE e upgrades reset the con de, be sure to save the c (Restore Settings screen. Inware, enter the name of rade :	is print server unless instru .00 008-09-03 figuration options to factor urrent configuration from t the firmware upgrade file, 	y defaults. Before the and click the	Helpful Hints Firmware Upgrade: When a new version of firmware is available (e.g., downloading from the D- Link website), you can ugrade the firmware of your print server. Click <b>Browse</b> to point to the firmware file, and then click Upgrade.
PRINT SERV	/ER				

# **MAINTENANCE > Diagnostics**

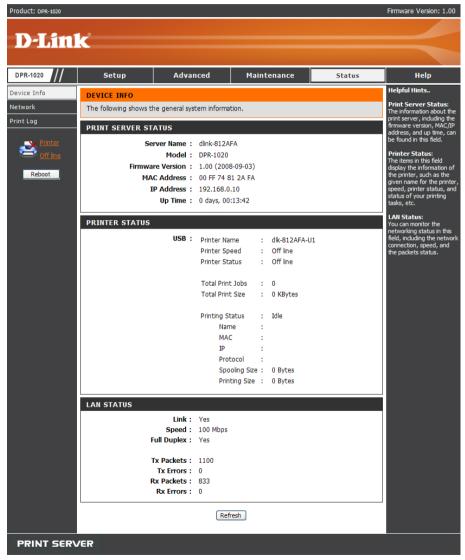
The Diagnostics screen allows you to test the printing for each printer connected via USB to the device. After making the port selection, click the **Print Test Page** button to print a test page.

Product: DPR-1020					Firmware Version: 1.00
D-Lini	k				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Password	DIAGNOSTICS				Helpful Hints
Save/Restore Settings	This menu allows you t	to test the printing for eve	ry port.		Print Test: Click Print Test Page to print a test page.
Firmware Upgrade	PRINT TEST				
Diagnostics	Port Selection				
Reboot	USB (No F Print Test Page	rinter Detected )			
PRINT SERV	/ER				

# STATUS > Device Info

The Device Info screen displays the status of your MFP Server, printer, and network

for your reference.



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#### **Print Server Status**

These fields display the firmware version of the device, MAC/IP address, and up time.

#### **Printer Status**

The items in this section display the information regarding the printer, such as the printer's name, speed, printer status, and printing tasks.

#### LAN Status

You can monitor the network status in this field, including network connection link status, speed, and packet statistics.

### STATUS > Network

The Network screen displays the general network status of your MFP Server, including:

#### Auto IP

This field contains the current settings of TCP/IP, including DHCP/BOOTP, UPnP, and Mac Bonjour/Rendezvous. The items in this section are configured in

#### Advanced $\rightarrow$ Advanced LAN $\rightarrow$ TCP/IP.

#### **TCP/IP Printing**

In this section you can monitor the status of printing tasks through TCP/IP.

#### **Microsoft Network Printing**

In this section you can monitor the status of printing tasks through Microsoft Network.

#### Mac AppleTalk Printing

In this section you can monitor the status of your printing tasks through Mac AppleTalk.

R-1020 ///	Setup	Advanced	Maintenance	Status	Help
ce Info	NETWORK STATE	IS			Helpful Hints
ork	The following shows	the general networking sta	tus.		Auto IP: This field contains th
Log	AUTO IP				current settings of T including DHCP/BOO UPnP, and Mac
Printer		DHCP/BOOTP :	Enable (IP : 0.0.0.0)		Bonjour/Rendezvous items in this field are
ine <u>Off line</u>		UPnP :	•		configured in <u>Advanced LAN</u>
Reboot	Mac E	Sonjour/Rendezvous :	Enable (IP : 169.254.42	2.250)	TCP/IP.
	TCP/IP PRINTIN	G			TCP/IP Printing: In this field, you can
		LPR Printing :	Status : R	lunning	monitor the status o printing tasks throug TCP/IP.
			Total Print Jobs : 0		Microsoft Networ
				) KBytes	Printing: In this field, you can
			Status : R Total Print Jobs : 0	Running I	monitor the status o printing tasks throug
				KBytes	Microsoft Network.
		<b>IPP Printing</b> :	Status : R	lunning	Mac AppleTalk Printing: In this field, you can
			Total Print Jobs : 0		monitor the status of
				) KBytes	printing tasks throug AppleTalk.
		2	Status : R Total Print Jobs : 0	tunning )	
			Total Print Size : 0	) KBytes	
	MICROSOFT NET	WORK PRINTING			
	SMB (Ov	ver NetBEUI) Printing:	Status : F	Running	
			Total Print Jobs : 0		
	SMI			) KBytes Running	
			Total Print Jobs : 0	-	
			Total Print Size : 0	) KBytes	
	MAC APPLETAL	PRINTING			
		AppleTalk Printing :	Status : R	Running	
			Total Print Jobs : 0		
			Total Print Size : 0	) KBytes	

# **STATUS >Print Log**

The Print Log screen displays the printing records of authorized users.

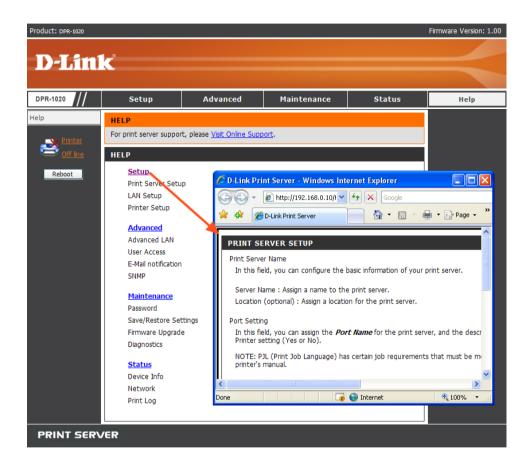
#### **Printing Log**

The fields below display the user(s) information, which include the user(s) MAC address, IP address, name, status of printing tasks and size of printing tasks.

Product: DPR-1020					Firmware Version: 1.00
<b>D-Lin</b> l	~°				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info	USER PRINT LOG				Helpful Hints
Network	The following shows th	ne printing record of the	authorised users.		Printing Log: The items in this field
Print Log	PRINTING LOG				display the user(s) information, which include the user(s) MAC address,
Printer <u>Off line</u>	MAC	Ib	Name	Jobs Size(KBytes)	IP address, name, and status of printing tasks.
Reboot		Re	fresh		
PRINT SERV	/ER				

### HELP

The Help screen provides you with additional help regarding the print server.



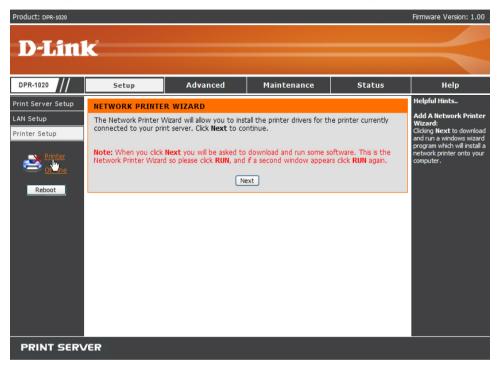
# Reboot

If you want to reset the print server, you can just click the [**Reboot**] to restart. It will take a few seconds to restart.

Product: DPR-1020					Firmware Version: 1.00
<b>D-Lin</b>	ĸ				$\prec$
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Help	🖉 D-Link Print Serve	r - Windows Internet E	cplorer		
Printer	🖉 http://192.168.0.10/R	eboot.HTM?Reset=Yes			
Off line	REBOOT				
Reboot	Print Server i				
	Please wait f	or print server restarting.			
					_
	Done		🏹 🌍 Internet	<b>a</b> 100%	▼
	User Access				
	E-Mail notification SNMP				
	SNMP				
	<b>Maintenance</b>				
	Password				
	Save/Restore Set				
	Firmware Upgrad	9			
	Diagnostics				
	<u>Status</u>				
	Device Info				
	Network				
	Print Log				
PRINT SER\	/ER				

# **Refresh Printer Status**

Click the printer in the left column to refresh the status of the printer.

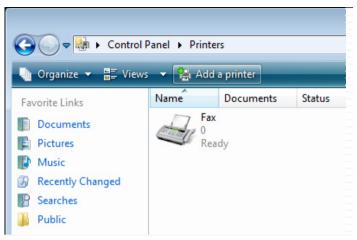


# **TCP/IP Printing for Windows Vista**

Go to Start → Control Panel → Printers.



#### Click Add a printer.



Select the first option, Add a local printer, and then click Next.

(j) 🖨 🗛	dd Printer
Cho	ose a local or network printer
•	Add a local printer Use this option only if you don't have a USB printer. (Windows automatically installs USB printers when you plug them in.)
*	Add a network, wireless or Bluetooth printer Make sure that your computer is connected to the network, or that your Bluetooth or wireless printer is turned on.
	Next Cancel

Select the second option, **Create a new port**, and highlight **Standard TCP/IP Port** from the pull-down menu. Click **Next**.

		×
🚱 🖶 Add Printer		
Choose a printer port	:	
A printer port is a type of conn printer.	ection that allows your computer to exchange information with a	
O Use an existing port:	LPT1: (Printer Port)	-
Oreate a new port:		
Type of port:	Standard TCP/IP Port	-
	Local Port Standard TCP/IP Port	
	6	
		_
	Next Cano	:el

In the **Hostname or IP address field**, type the IP address of the MFP server (e.g. 10.62.31.15), this address can be found in the **PRINTER SERVER STATUS** screen of the MFP server's web configurator. The **Port Name** field will automatically fill in. Click **Next**.

Type a printer hostr	name or IP address
Device type:	TCP/IP Device
Hostname or IP address:	10.62.31.15
Port name:	10.62.31.15
Query the printer and au	tomatically select the driver to use

### TCP/IP Printing for Windows Vista

Product: DPR-1020	K				Firmware Version: 1.00	
DPR-1020	Setup	Advanced	Maintenance	Status	Help	
Device Info Network Print Log	DEVICE INFO The following shows the general system information. PRINT SERVER STATUS			Helpful Hints Print Server Status: The information about the print server, including the firmware version, MAC/IP address, and up time, can		
Printer Off Ine Reboot	Firmwa MA	rver Name         dlink-812A           Model         DPR-1020           re Version         1.00 (200)           C Address         00 FF 74 8           P Address         10.62.31.           Up Time         0 days, 00	B-09-03) 11 2A FA 15 (Manual)		address, and up time, car address, and up time, car be found in this field. <b>Printer Status:</b> The items in this field display the information of the printer, such as the given name for the printe speed, printer status, and status of your printing tasks, etc.	

In the next screen highlight the printer you wish to add. If the printer is not on the list, click [**Have Disk**] and insert the printer driver disk that came with your printer to install the printer drivers.

#### Click Next

	cturer and model of your printer. If your printer came with a	
compatible printer :	isk. If your printer is not listed, consult your printer docume software.	ritation for
	and I	
Manufacturer	Printers	
Gestetner	HP LaserJet 4/4M PS (300 dpi)	
HP	HP LaserJet 4000 Series PCL 5	L
IBM	HP LaserJet 4000 Series PCL6	
infotec	+ HP LaserJet 4000 Series PS	· · · · · · · · · · · · · · · · · · ·

Click Next to start installing the printer.

Add Printer	er name
Printer name:	HP LaserJet 4000 Series PCL 5
	✓ Set as the default printer

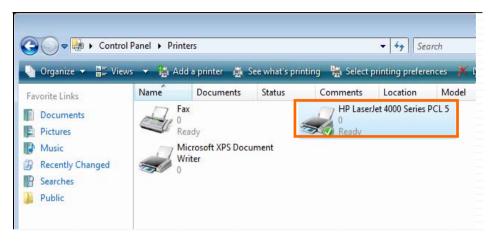
After clicking **Print a test page**, a small dialogue box will display as below. Click **Close**.

🕞 븖 Add Printer	8
You've successfully a	dded HP LaserJet 4000 Series PCL 5
To see if the printer is working a test page.	correctly, or to see troubleshooting information for the printer, print
Print a test page	
HP LaserJet 4000 Series PCLS	een sent to your printer
to print graphics and t information about the	emonstrates the printer's ability ext, and it provides technical printer. Use the printer est page does not print correctly.
Troubleshoot printer p	roblems Close

Click Finish.

🚱 🖶 Add Printer
You've successfully added HP LaserJet 4000 Series PCL 5
To see if the printer is working correctly, or to see troubleshooting information for the printer, print a test page. Print a test page
Finish

The printer is now ready to use.



# **TCP/IP Printing for Windows XP**

Go to Start -> Printers and Faxes -> Add a Printer.



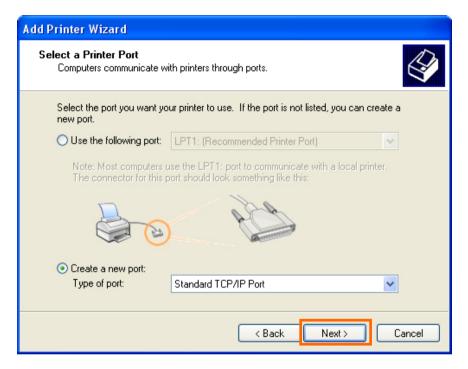
When the following screen displays, click Next.



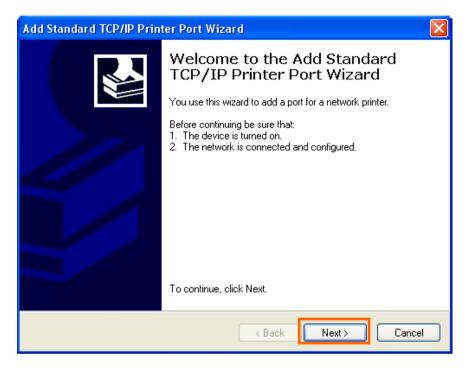
Select the first option, Local printer attached to this computer, and click Next.

Add Printer Wizard
Local or Network Printer The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
<ul> <li>Local printer attached to this computer</li> </ul>
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back Next > Cancel

Click the second option, **Create a new port**, and select **Standard TCP/IP Port** from the drop-down list box. Click **Next**.



#### Click Next.



In the **Hostname or IP address field**, type the IP address of the MFP server (e.g. 10.62.31.15), this address can be found in the **PRINTER SERVER STATUS** screen of the MFP server's web configurator. The **Port Name** field will automatically fill in. Click **Next**.

Add Standard TCP/IP Printer I	Port Wizard	
Add Port For which device do you want	to add a port?	
Enter the Printer Name or IP ac	ldress, and a port name for the desired device.	
Printer Name or IP Address:	10.62.31.15	
Port Name:	IP_10.62.31.15	
	< Back Next >	Cancel

### TCP/IP Printing for Windows XP

Product: DPR-1020					Firmware Version: 1.00
<b>D-Lin</b>	K				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info	DEVICE INFO				Helpful Hints
Network	The following shows th		Print Server Status: The information about the		
Print Log	PRINT SERVER STATUS				print server, including the firmware version, MAC/IP address, and up time, can
Printer 2	Se	rver Name : dlink-812A	FA		be found in this field.
Off line		Model : DPR-1020			Printer Status: The items in this field
Reboot	Firmware Version : 1.00 (2008-09-03)			display the information of the printer, such as the	
Reboot		C Address : 00 FF 74 8			given name for the printer
	I	P Address : 10.62.31.3	15 (Manual)		speed, printer status, and status of your printing
		Up Time: 0 days, 00	:00:17		tasks, etc.

Select Custom and click Settings.

Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required The device could not be identified.
<ul> <li>The device is not found on the network. Be sure that:</li> <li>1. The device is turned on.</li> <li>2. The network is connected.</li> <li>3. The device is properly configured.</li> <li>4. The address on the previous page is correct.</li> <li>If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.</li> <li>Device Type <ul> <li>Standard</li> <li>Generic Network Card</li> <li>Custom</li> <li>Settings</li> </ul> </li> </ul>
< Back Next > Cancel

The following screen will display, select LPR from the Protocol field.

Enter the **Queue Name**, which can be found in the **PRINTER STATUS** screen of the MFP server's web configurator. Click **OK**.

Configure Standard TCP/IP P	ort Monitor 🛛 🛛 🛛 🛛
Port Settings	
Port Name:	IP_10.62.31.15
Printer Name or IP Address:	10.62.31.15
⊂ Protocol ◯ Raw	⊙ LPR
Port Number: 515	
CLPR Settings Queue Name: dlk-812	2AFA-U1
LPR Byte Counting Enabled	
SNMP Status Enabled	
Community Name: public	
SNMP Device Index: 1	
	OK Cancel

### TCP/IP Printing for Windows XP

Product: DPR-1020					Firmware Version: 1.00
D-Lin	k				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info	DEVICE INFO				Helpful Hints
Network	The following shows t	he general system informa	tion.		Print Server Status: The information about the
Print Log	PRINT SERVER ST	ATUS			print server, including the firmware version, MAC/IP address, and up time, can
Printer 2	Se	rver Name : dlink-812A	FA		be found in this field.
Off line		Model : DPR-1020			Printer Status: The items in this field
Reboot	Firmware Version : 1.00 (2008-09-03) MAC Address : 00 FF 74 81 2A FA			display the information of the printer, such as the	
		P Address : 10.62.31.			given name for the printer, speed, printer status, and
		Up Time: 0 days, 00	:00:17		status of your printing tasks, etc.
	PRINTER STATUS				LAN Status: You can monitor the networking status in this
		USB : Printer Na	me : dlk-812AFA-I	U1	field, including the network
		Printer Sp			connection, speed, and the packets status.
		Printer St	atus : Offline		
		Total Prin	t Jobs : 0		
		Total Prin	t Size : 0 KBytes		

#### Click Next.

Add Standard TCP/IP Printer Port Wizard 🛛 🔀					
	t Information Required could not be identified.				
<ol> <li>The device is</li> <li>The network</li> <li>The device is</li> <li>The address</li> <li>If you think the address</li> </ol>	is connected. properly configured. on the previous page is correct. ddress is not correct, click Back to return to the previous page. Then correct perform another search on the network. If you are sure the address is correct,				
	< Back Next > Cancel				

# Click Finish.

Add Standard TCP/IP Printer Port Wizard					
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.				
	SNMP: No Protocol: LPR, dlk-812AFA-U1 Device: 10.62.31.15 Port Name: IP_10.62.31.15 Adapter Type:				
To complete this wizard, click Finish.					

In the next screen highlight the printer you wish to add. If the printer is not on the list, click [**Have Disk**] and insert the printer driver disk that came with your printer to install the printer drivers.

Click Next

Add Printer Wizard							
Install Printer Software The manufacturer and model of	Install Printer Software The manufacturer and model determine which printer software to use.						
	d model of your printer. If your printer came with an installation ar printer is not listed, consult your printer documentation for						
Manufacturer	Printers 🔼						
Gestetner	🖙 HP LaserJet 4						
HP	🖙 HP LaserJet 4000 Series PCL						
infotec	HP LaserJet 4000 Series PCL6						
lwatsu 🗸	💱 HP LaserJet 4000 Series PS 🗸 🗸						
This driver is digitally signed. <u>Tell me why driver signing is important</u> Windows Update Have Disk							
	< Back Next > Cancel						

At this screen, you can input a name for the printer, and then click Next.

Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name:
HP LaserJet 4000 Series PCL
< Back Next > Cancel

Select Yes to print a test page, click Next.

Add Printer Wizard	
Print Test Page To confirm that the printer is installed properly, you can print a test page.	Ŷ
Do you want to print a test page?	
⊙ Yes	
O No	
< Back Next > Cance	el 🛛

Click **Finish**. The printer is now ready for use.

## 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 4000 Series PCL
Share name:	<not shared=""></not>
Port:	IP_10.62.31.15
Model:	HP LaserJet 4000 Series PCL
Default:	Yes
Test page:	Yes

To close this wizard, click Finish.

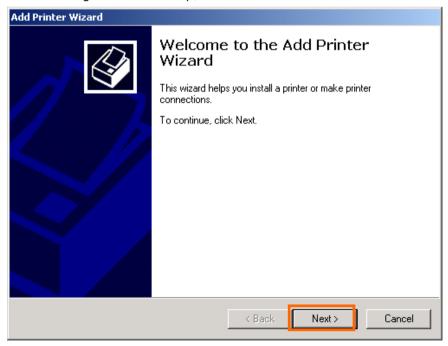
		< Back	Finish	Cancel

# **TCP/IP Printing for Windows 2000**



Go to Start → Settings → Printers and Faxes → Add a Printer.

When the following screen shows up, click Next.



# Select the first option, Local printer, and click Next.

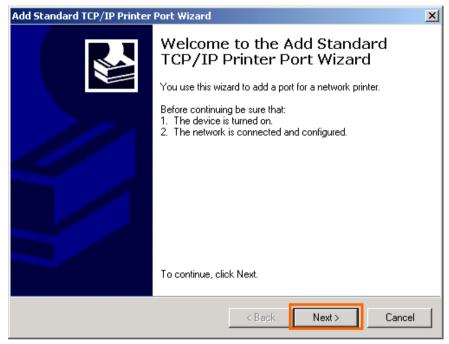
Add Printer Wizard	
Local or Network Printer Is the printer attached to your computer?	
If the printer is directly attached to your comp another computer, or directly to the network,	
<ul> <li>Local printer</li> </ul>	
Automatically detect and install my P	lug and Play printer
O Network printer	
	<back next=""> Cancel</back>

Click **Next** if the New Printer Detection screen pops up.

On the next screen, select the second option **Create a new port** and highlight **Standard TCP/IP Port** from the drop-down list. Click **Next**.

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.						
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						
< Back Next > Cancel						

#### Click Next.



In the **Hostname or IP address field**, type the IP address of the MFP server (e.g. 10.62.31.15), this address can be found in the **PRINTER SERVER STATUS** screen of the MFP server's web configurator. The **Port Name** field will automatically fill in. Click **Next**.

Definition     Setup     Advanced     Maintenance     Status     Help       vice Info     DEVICE INFO     Helpful Hints     Print Server Status:       twork     The following shows the general system information.     Print Server Status:     The information about to print server, including the general system information.       PRINT SERVER STATUS     Server Name : dlink-812AFA     Model :: DPR-1020     Printer Status:       Reboot     Firmware Version :: 1.00 (2008-09-03)     Model :: DPR-1220     Printer Status:	4	Add Standard TCP/IP Printer Port Wizard								
Printer Name or IP Address:       10.62.31.15         Port Name:       IP_10.62.31.15         Port Name:       IP_10.62.31.15         Cancel       Cancel         Cut: po-to:       Cancel         Cut: po-to:       Cancel         Printer IN       Cancel         Cut: po-to:       Cancel         Cut: po-to:       Environmentation         Printer IN       Cancel         Printer IN       Printer IN         Printer IN       Printer IN         Printer IN       Printer IN         Printer IN       Printer IN         Printer IN       Printerio IN         Pr										
Port Name:       IP_10.62.31.15         Port Name:       IP_10.62.31.15         Cancel       Cancel         duct: pre.too       Cancel         DeLintk       Envore Version: 1.00         Pr1022       Setup       Advanced       Maintenance       Status       Help         Wree Info       DeLintk       Envore Version: 1.00       Envore Vers		Ent	er the Printer Nam	e or IP address, and	a port name for the d	esired device.				
Image: Status       Image: Status       Image: Status       Image: Status         Induct: DRe-1020       Image: Status       Image: Status       Image: Status       Image: Status         Induct: DRe-1020       Image: Status       Image: Status       Image: Status       Image: Status       Image: Status         Image: Status       Image: St										
vduct: DPR-1020     Frmware Version: 1.0       DELENCE     PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       Vice Info     DEVICE INFO     Helpful Hints     Print Server Status:       The following shows the general system information.     Print Server Status:     The information about the firmware version; MAC/       Model:     DPR-1020     Print Server Status:     The information duct the firmware version; MAC/       Model:     DPR-1020     Printer Status:     The information of the print server, print server, print server, print server, printer status, as the information in the printer, such as the information in		Por	t Name:	IP_10.62	.31.15					
vduct: DPR-1020     Frmware Version: 1.0       DELENCE     PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       Vice Info     DEVICE INFO     Helpful Hints     Print Server Status:       The following shows the general system information.     Print Server Status:     The information about the firmware version; MAC/       Model:     DPR-1020     Print Server Status:     The information duct the firmware version; MAC/       Model:     DPR-1020     Printer Status:     The information of the print server, print server, print server, print server, printer status, as the information in the printer, such as the information in										
vduct: DPR-1020     Frmware Version: 1.0       DELENCE     PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       PR-1020 ///     Setup     Advanced     Maintenance     Status     Help       Vice Info     DEVICE INFO     Helpful Hints     Print Server Status:       The following shows the general system information.     Print Server Status:     The information about the firmware version; MAC/       Model:     DPR-1020     Print Server Status:     The information duct the firmware version; MAC/       Model:     DPR-1020     Printer Status:     The information of the print server, print server, print server, print server, printer status, as the information in the printer, such as the information in										
duct: DPR-1020 Firmware Version: 1.0 Deline PR-1020 // Setup Advanced Maintenance Status Help PR-1020 // Setup Advanced Maintenance Status Help Print Server Status: Print Server Status: Print Server Status: Print Server Name : dlink-812AFA Model : DPR-1020 Firmware Version : 1.00 (2008-09-03) MAC Address : 00 FF 74 81 2A FA IP Address : 00 FF 74 81 2A FA IP Address : 00 0F 74 81 2A FA										
PR-1020     Setup     Advanced     Maintenance     Status     Help       vice Info     DEVICE INFO     Helpful Hints     Print Server Status:       twork     The following shows the general system information.     Print Server Status:     The information about train the information.       ttlog     PRINT SERVER STATUS     Server Name : dlink-812AFA     Print Server Status:     The items in this field.       @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @										
PR-1020     Setup     Advanced     Maintenance     Status     Help       rice Info     DEVICE INFO     Helpful Hints     Print Server Status:       work     The following shows the general system information.     Print Server Status:       th Log     PRINT SERVER STATUS     Firmware version, MAC/       @ Printer     Model : DPR-1020     Printer Status:       Grif Ine     Firmware Version : 1.00 (2008-09-03)     Printer Status:       MAC Address : 00 FF 74 81 2A FA     Up they, conduct and the print server, sold as the sold of the print server, sold as the sold of the print server, printer, server,	_				< Back	Next >	Cancel			
PR-1020     Setup     Advanced     Maintenance     Status     Help       rice Info     DEVICE INFO     Helpful Hints     Print Server Status:       work     The following shows the general system information.     Print Server Status:       th Log     PRINT SERVER STATUS     Firmware version, MAC/       @ Printer     Model : DPR-1020     Printer Status:       Grif Ine     Firmware Version : 1.00 (2008-09-03)     Printer Status:       MAC Address : 00 FF 74 81 2A FA     Up they, conduct and the print server, sold as the sold of the print server, sold as the sold of the print server, printer, server,		: DPR-1020			< Back	Next >	Cancel Firmware Version: 1.0			
Vice Info     DEVICE INFO       twork     The following shows the general system information.       nt Log     Print Server Status: The information about to print server, including to Gff Ine       Print SERVER STATUS       Print SERVER STATUS       Server Name : dlink-812AFA Model : DPR-1020       Firmware Version : 1.00 (2008-09-03)       MAC Address : 00 FF 74 81 2A FA IP Address : 10.62.31.15 (Manual)       IP Address : 10.62.31.15 (Manual)					< Back	Next >				
Device INFO         Print Server Status: The following shows the general system information.           work         The following shows the general system information.           Print Server Status:         The information about the print server, including the information about the print server, including the information.           Printer         Print SERVER STATUS           Off Ine         Model : DPR-1020           Reboot         Firmware Version : 1.00 (2008-09-03)           MAC Address : 00 FF 74 81 2A FA         given name for the print speed, printer status, a given name for the print speed, printer status, a given name for the print speed, printer status, a given printing			<		< Back	Next >				
Work     The following shows the general system information.     The information about 1       t Log     PRINT SERVER STATUS     print server, induding the formation about 1       Printer     Off Ins     Server Name : dlink-\$12AFA     be found in this field.       Off Ins     Model : DPR-1020     Printer Status:       Reboot     Firmware Version : 1.00 (2008-09-03)     display the information display the information in the printer, such as the printer status, a latus of your printing       Image: Server Name : dlink-\$12AFA     given name for the print server, and as the printer status, a latus of your printing	D,	-Lini		Advanced			Firmware Version: 1.0			
Printer     PRINT SERVER STATUS     frmware version, MAC/ address, and up time, c       Printer     Off Ine     Server Name : dlink-812AFA     be found in this field.       Off Ine     Model : DPR-1020     Printer Status: The items in this field display the information MAC Address : 00 FF 74 81 2A FA     Printer Status: given name for the prin speed, printer status, a up and the printer status of your printing	<b>P</b> R-10	-Lim1	Setup	Advanced			Firmware Version: 1.0			
Printer     Server Name : dlink-812AFA     be found in this field.       Off line     Model : DPR-1020     Printer Status:       Reboot     Firmware Version : 1.00 (2008-09-03)     The items in this field display the information of the printer, such as the given name for the print given name for the print status, a given name for the print status of your printing speed, printer status, a status of your printing	PR-10	- <b>Lim</b> 020 ///	Setup DEVICE INFO		Maintenance		Firmware Version: 1.0 Help Helpful Hints			
Off Ine     Model : DPR-1020     Printer Status: The items in this field display the information display the inform	PR-10 vice I	- <b>1.1111</b> ] 020 /// Info k	Setup DEVICE INFO The following shows	the general system informa	Maintenance		Firmware Version: 1.0 Firmware Version: 1.0 Help Helpful Hints Print Server Status: The information about ti print server, induding ti firmware version, MAC/			
Reboot       Firmware Version : 1.00 (2008-09-03)       display the information the printer, such as the given name for the print IP Address : 10.62.31.15 (Manual)       speed, printer status, a speed, printer status, a status of your printing	PR-10 vice I	- <b>1.1111</b> ] 020 /// Info k	Setup DEVICE INFO The following shows PRINT SERVER S	the general system informa	Maintenance		Firmware Version: 1.0  Firmware Version: 1.0  Help Helpful Hints Print Server Status: The information about the print Server, including th firmware version, MAC/ address, and up time, co			
given name for the print IP Address : 10.62.31.15 (Manual) Address : 10.62.31.15 (Manual) speed, printer status, a status of your printing	PR-10 vice I	- <b>1.1111</b> ] 020 /// Info k	Setup DEVICE INFO The following shows PRINT SERVER S	the general system informa STATUS Server Name : dlink-812A	Maintenance		Firmware Version: 1.0 Firmware Version: 1.0 Help Helpful Hints. Print Server, including ti firmware version, MAC/ address, and up time, o. be forund in this field. Printer Status:			
Status of your printing	PR-10 vice I twork	Diana Contraction	Setup DEVICE INFO The following shows PRINT SERVER S S Firmw	the general system informa STATUS Server Name : dlink-812A Model : DPR-1020 vare Version : 1.00 (200	Maintenance tion. FA 8-09-03)		Firmware Version: 1.0 Firmware Version: 1.0 Help Helpful Hints Print Server Status: The information about tr print server, including ti firmware version, MAC/ address, and up time, C, be found in this field. Printer Status: The items in this field display the information			
	PR-10 vice I	Diana Contraction	Setup DEVICE INFO The following shows PRINT SERVER S S Firmw M	TATUS Server Name : dlink-812A Model : DPR-1020 vare Version : 1.00 (200 IAC Address : 00 FF 74 8	Maintenance tion. FA 8-09-03) 81 2A FA		Firmware Version: 1.0 Firmware Version: 1.0 Help Helpful Hints Print Server Status: The information about ti print server, induding ti firmware version, MAC/ address, and up time, c be found in this field. Printer Status: The items in this field display the information display the information of the printer, such as the given name for the printer, such as the gi			

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## Select Custom and click Settings.

Add Standard TCP/IP Printer Port Wizard	x
Additional Port Information Required The device could not be identified.	
<ul> <li>The device is not found on the network. Be sure that:</li> <li>1. The device is turned on.</li> <li>2. The network is connected.</li> <li>3. The device is properly configured.</li> <li>4. The address on the previous page is correct.</li> <li>If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is corrrect, select the device type below.</li> <li>Device Type</li> <li>Standard Generic Network Card</li> <li>Custom Settings</li> </ul>	
< Back Next > Cancel	

The following screen will display, select LPR from the Protocol field.

Enter the **Queue Name**, which can be found in the **PRINTER STATUS** screen of the MFP server's web configurator. Click **OK**.

Configure Standard TCP/IP Port Monitor							
Port Settings							
Port Name:	IP_10.62.31	1.15					
Printer Name or IP Address:	10.62.31.15	i					
Protocol C Raw		● LPR					
Raw Settings Port Number: 9100							
LPR Settings Queue Name: dlk-8	12AFA-U1						
LPR Byte Counting Enabled	ł						
SNMP Status Enabled							
Community Name: public	;						
SNMP Device Index: 1							
		OK	Cancel				

# TCP/IP Printing for Windows 2000

Product: DPR-1020					Firmware Version: 1.00
D-Lin	k				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info	DEVICE INFO				Helpful Hints
Network	The following shows t	he general system informa	tion.		Print Server Status: The information about the
Print Log	PRINT SERVER ST	ATUS			print server, including the firmware version, MAC/IP address, and up time, can
Printer 2	Se	rver Name : dlink-812A	FA		be found in this field.
Off line		Model : DPR-1020			Printer Status: The items in this field
Reboot		re Version : 1.00 (200 C Address : 00 FF 74 8			display the information of the printer, such as the
		P Address : 10.62.31.			given name for the printer, speed, printer status, and
		Up Time: 0 days, 00	:00:17		status of your printing tasks, etc.
	PRINTER STATUS				LAN Status: You can monitor the networking status in this
		USB : Printer Na	me : dlk-812AFA-I	U1	field, including the network
		Printer Sp			connection, speed, and the packets status.
		Printer St	atus : Offline		
		Total Prin	t Jobs : 0		
		Total Prin	t Size : 0 KBytes		

#### Click Next.

Add Standard TCP/IP Printer Port Wizard	X
Additional Port Information Required The device could not be identified.	
<ul> <li>The device is not found on the network. Be sure that:</li> <li>1. The device is turned on.</li> <li>2. The network is connected.</li> <li>3. The device is properly configured.</li> <li>4. The address on the previous page is correct.</li> <li>If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is corrrect select the device type below.</li> <li>Device Type</li> <li>C Standard Generic Network Card</li> </ul>	
Custom Settings	
< Back Next > Cano	el

## Click Finish.

Add Standard TCP/IP Printer Port Wizard		X	
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.		
	SNMP:	No	
	Protocol:	LPR, dlk-812AFA-U1	
	Device:	10.62.31.15	
	Port Name:	IP_10.62.31.15	
	Adapter Type:		
	To complete th	iis wizard, click Finish.	
		< Back Finish Cancel	

In the next screen highlight the printer you wish to add. If the printer is not on the list, click [**Have Disk**] and insert the printer driver disk that came with your printer to install the printer drivers.

#### Click Next

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: Printers:
Gestetner HP IBM Iwatsu Kodak Konica Kuincera Windows Update Harre Disk
< Back Next > Cancel

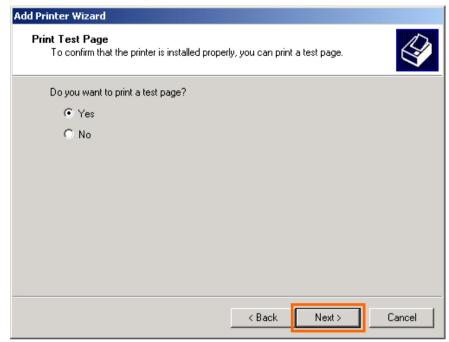
At this screen, input a name for the printer, and then click Next >.

Add Printer Wizard			
Name Your Printer You must assign a name for this printer.			Ì
Supply a name for this printer. Some progran combinations of more than 31 characters. Printer name: HP LaserJet 4000 Series PCL	ns do not support	t server and print	er name
	< Back	Next >	Cancel

Select the first option, [Do not share this printer], and click Next.

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.
O not share this printer
C Share as:
< Back Next > Cancel

Select Yes to print a test page, click Next.



Click **Finish**. The printer is now ready for printing with Windows 2000 on your network.



# **TCP/IP Printing for Windows 98SE/ME**

Go to Start → Settings → Control Panel. Double click on Network, and then click Add.

Network
Configuration   Identification   Access Control
The following network components are installed:
Client for Microsoft Networks D-Link DFE-550TX FAST Ethernet 10/100 Adapter TCP/IP
Add Remove Properties
Primary Network Logon:
Client for Microsoft Networks
<u>File and Print Sharing</u>
Description
OK Cancel

Highlight **Client** and click **Add**.

Select Network Component Type	? ×
Click the type of network component you want to install:	
🖳 Client	<u>A</u> dd
III Adapter Totocol Service	Cancel
A client enables your computer to connect to other computers.	

#### At this screen, click Have Disk.

Select Net	work Client	<pre>x log log log log log log log log log log</pre>	<
		ent that you want to install, then click OK. If you have this device, click Have Disk.	
Manufactu Banya Micros Novell	n oft	Network Clients: Banyan DOS/Windows 3.1 client	
		Have Disk	
		OK Cancel	

1. Insert the DPR-1020 CD into your CD-ROM drive. Select the CD's drive letter from the drop-down box.

- 2. Double-click on the folder lpr.
- 3. Select **Ipr.inf** to highlight it.
- 4. Click **OK**.

Open		? ×
File <u>n</u> ame: Ipr.inf 3	Eolders: e:\lpr e:\ Eller 2	4 OK Cancel N <u>e</u> twork
	Drives:	×

Click **OK** to confirm the location of the file.

Install Fr	om Disk	×
_	Insert the manufacturer's installation disk into the drive selected, and then click OK.	Cancel
	Copy manufacturer's files from: E:\LPR	Browse

You should now be back to the Network Properties Page. Highlight LPR for TCP/IP **Printing** and click **Properties**.

Network ? 🗙
Configuration   Identification   Access Control
The following network components are installed:
Client for Microsoft Networks LPR for TCP/IP Printing
D-Link DFE-550TX FAST Ethernet 10/100 Adapter TCP/IP
Add Remove Properties
Client for Microsoft Networks
<u>F</u> ile and Print Sharing
Description LPR for TCP/IP Printing (v1.00/1997-08-20) enables you to connect to and use the printers connected on the Print Server devices that support TCP/IP LPR printing protocol.
OK Cancel

# Click Add Port.

LPR for TCP/IP Printing Propertie	s 🔰	×
Ports Settings		
-Port List		
Add Port	Delete Port	
	OK Cancel	

Type in the IP address and Port Name of the MFP server, this information can be found in the **PRINTER SERVER STATUS** and **PRINTER STATUS** screens of the MFP server's Web configurator. Click **OK**.

NOTE: The IP Address and Port Name here are just examples only.

ld Port
IP Address :
10.62.31.15
Port Name :
DLK-812AFA-U1
OK Cancel

Product: DPR-1020	C				Firmware Version: 1.00
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info Network	DEVICE INFO The following shows the	he general system informa	tion.		Helpful Hints Print Server Status: The information about the
Print Log	PRINT SERVER ST	ATUS rver Name : dlink-812A	FA		print server, including the firmware version, MAC/IP address, and up time, can be found in this field.
Cff line		Model : DPR-1020 re Version : 1.00 (2008 C Address : 00 FE 74 8			Printer Status: The items in this field display the information of the printer, such as the
	[	P Address : 10.62.31.1 Up Time : 0 days, 00	15 (Manual)		given name for the printer, speed, printer status, and status of your printing tasks, etc.

# TCP/IP Printing for Windows 98SE/ME

Product: DPR-1020					Firmware Version: 1.00
<b>D-Lin</b>	k				
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Device Info	DEVICE INFO				Helpful Hints
Network	The following shows t	he general system inform	ation.		Print Server Status: The information about the
Print Log	PRINT SERVER ST	ATUS			print server, including the firmware version, MAC/IP address, and up time, can
Printer	Se	rver Name: dlink-812/	AFA.		be found in this field.
Off line	_	Model : DPR-1020			Printer Status: The items in this field
Reboot		re Version : 1.00 (200 C Address : 00 FF 74	,		display the information of the printer, such as the
	1	P Address : 10.62.31	15 (Manual)		given name for the printer speed, printer status, and status of your printing
		Up Time: 0 days, 00	):00:17		tasks, etc.
	PRINTER STATUS				LAN Status: You can monitor the
		USB : Printer Na	ame : dlk-812AFA-I	U1	networking status in this field, including the network
		Printer S			connection, speed, and the packets status.
		Printer St	atus : Offline		
		Total Prin	tJobs : O		
		Total Prir	t Size : 0 KBytes		

The IP Address and Port Name will be displayed in the following screen (The IP address and port name in the screen below is for example only). Click **OK**.

LPR for TCP/IP Printing Properties	×
Ports Settings	
1 1	
Port List	
W10.62.31.15/DLK-812AFA-U1	
<u>A</u> dd Port	Delete Port
	OK Cancel

# Click OK.

Network	? ×
Configuration   Identification   Access Control	_
The following network components are installed:	
<ul> <li>Client for Microsoft Networks</li> <li>LPR for TCP/IP Printing</li> <li>D-Link DFE-550TX FAST Ethernet 10/100 Adapter</li> <li>TCP/IP</li> </ul>	
Add Remove Properties Primary Network Logon:	
Client for Microsoft Networks	]
<u>F</u> ile and Print Sharing	
Description	
Cance	el 🛛

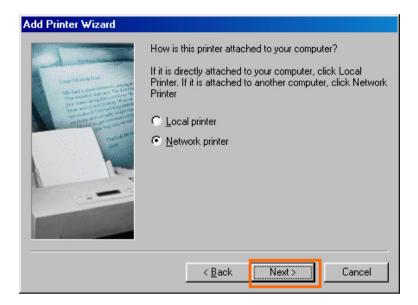
Windows will ask to restart. Click Yes.

System S	Settings Change 🛛 🔀			
You must restart your computer before the new settings will take Do you want to restart your computer now?				
	<u>Y</u> es <u>N</u> o			

Once your computer has rebooted, click on Start  $\rightarrow$  Settings  $\rightarrow$  Printers  $\rightarrow$  Add Printer. When the Add Printer Wizard screen appears, click Next.

Add Printer Wizard	
	This wizard will help you to install your printer quickly and easily. To begin installing your printer, click Next.
	< Back Next > Cancel

Select Network Printer and click Next.



Type in the path if you know it; otherwise, click **Browse**.

Add Printer Wizard				
- A man	Type the network path or the queue name of your printer. If you don't know its name, click Browse to view available network printers.			
	Network gath or queue name:			
	Browse			
	Do you print from MS-DOS-based programs?			
	© ⊻es			
	• <u>N</u> o			
	< <u>B</u> ack Next > Cancel			

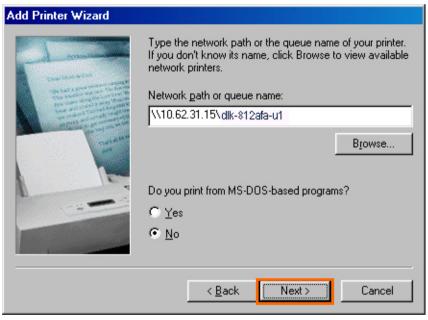
D-Link DPR-1020 - User Manual

At the following screen, browse for the printer port and highlight the port (e.g. dlink-1D6FA3 in this manual). Click **OK**.

Browse for Printer	? ×
Select the network printer that you want to add. Note: Printers are usually attached to computers.	
Ketwork Neighborhood     Entire Network	
È	
dlk812afa-u1	
ОК	Cancel

### TCP/IP Printing for Windows 98SE/ME

If the network path is not specified, type in the **IP Address** and **Port Name** of the MFP server (like in the example below). Select **Yes** or **No** to enable or disable printing from MS-DOS based programs. Click **Next**.

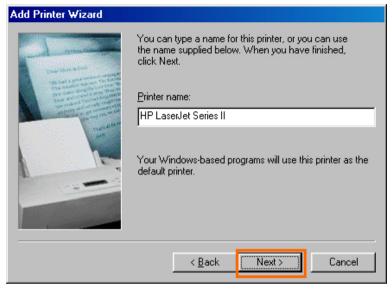


In the next screen highlight the printer you wish to add. If the printer is not on the list, click [**Have Disk**] and insert the printer driver disk that came with your printer to install the printer drivers.

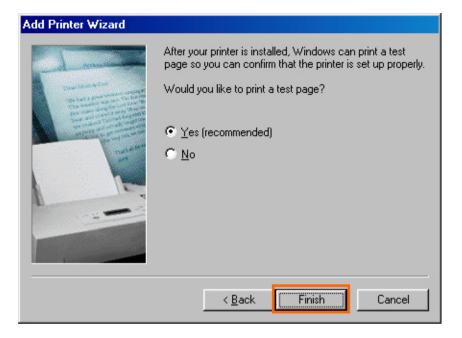
#### Click Next

Add Prin	ter Wizard			
٩		r and model of your pri Have Disk. If your prin ompatible printer.		
Manufac Gestetr Hermes IBM Kodak Kyocer LaserM	er a	Printers: HP LaserJet IIISi HP LaserJet IIISi Pr HP LaserJet IID HP LaserJet IID HP LaserJet IID PS HP LaserJet IIP HP LaserJet IIP	II Cartridge	▲ ▼ <u>†</u> ave Disk
		< <u>B</u> ack	Next >	Cancel

#### Click Next.



Select Yes to print a test page. Click Finish.



To check whether the printer is installed, go to **Start**  $\rightarrow$  **Settings**  $\rightarrow$  **Printers**.



# **Unix/Linux Printing**

### **Printing Text Files from Unix**

Text files on Unix systems contain lines that end with "newline" characters, as opposed to MS-DOS and Windows-related operating systems that end with a carriage return followed by a linefeed. Most printers require a carriage return/linefeed pair at the end of each line, making it necessary for some translation to be done before Unix text files can be printed on most printers.

For this purpose, you can define two "printers" for the same printer port, one that prints to the port itself, and one that prints to the port name with \_TEXT added to the name. Files printed to the second port will be translated so that the printer has the carriage return/linefeed pairs that it needs.

For example, you could define a printer hp51 that prints to port PS-142634-P1, and a printer hp51t that prints to port PS-142634-P1\_TEXT. Your graphics files could then be printed to the hp51 printer, and "raw" text files could be printed to the hp51t printer.

### **Printing from BSD Unix Versions**

For "flavors" of the Unix operating system derived from or related to the BSD releases, such as SunOS 4.x, Linux, BSD/OS, FreeBSD, or NetBSD, you can use the following procedure to enable users to print to a printer connected to your D-LINK network print server:

- **1.** Log in as the superuser (root).
- 2. Add an entry for the print server in the host's /etc/hosts file, giving a hostname for the print server's IP address. A line in /etc/hosts contains an IP address and one or more aliases for the host. For example:

202. 39. 74. 40 ps-142634 ps-142634.dlink.com.tw

If you use DNS (the Domain Naming Services protocol), you can add an address record entry to your DNS database for the print server.

- 3. Create a spool directory for the printer:
  - On SunOS systems, create the directory as a subdirectory of /var/spool, with the same name as the printer (e.g., /var/spool/hp51).
  - On Linux systems, create the directory as a subdirectory of /user/spool /lp.
  - On BSD/OS, FreeBSD, or NetBSD systems, create the directory as subdirectory of /var/spool.
- **4.** Change the owner and permissions of the directory so that it is owned and writable by group daemon, using the following commands:

chown bin.daemon /var/spool/hp51

chmod 775 /var/spool/hp51

5. Add an entry for the printer to /etc/printcap, similar to the following:

```
hp51:\
```

```
:lp=:sd=/var/spool/hp51 :mx#0:\
```

```
:rm=ps-142634:rp=ps-142634-p1:
```

The meaning of each of the entries is described below. The directory path in the sd spool directory entry should match the directory name you created above. If your entry requires more than one line you can escape the newline with a backslash.

6. Issue the command

```
lpc start hp5l
```

to start a spool daemon for the printer. The printer will now be available for use.

7. Optionally, add another printcap entry (and issue another lpc start command) for a second printer, using the port\_TEXT port. This second printer name can be used for printing text files.

Entries in /ect/printcap begin with a name for the printer or a list of name, separated by | (a vertical bar). The entries used above are:

1p= The lp entry is used to specify a local printer device.
 Since the printer is a remote printer, this entry should be blank.

- **sd=dir** The location of the printer's local spool directory.
- mx#blocks The limit for print job files in the local spool directory;
   0 means no limit.
- •
- rm=address The host where the remote printer is located, in this case the D-Link print server.
- rp=printer The name of the printer on the remote host.
   For the D-Link print server, the port name should be used.
   Note: this entry is case-sensitive.

### Printing from SCO Unix System V/386

To allow printing to a printer attached to your D-LINK network print server from a SCO Unix System V/386 host.

- **1.** Login as the superuser (root).
- 2. Add an entry for the print server in the host's /etc/hosts file, giving a hostname for the print server's IP address. A line in /etc/hosts contains an IP address and one or more aliases for the host. For example:

202.39.74.40 ps-142634 ps-142634.dlink.com.tw

If you use DNS (the Domain Naming Services protocol), you can add an address record entry to your DNS database for the print server.

- 3. Change to the /dev directory, and issue the command mkdev rlp
- 4. The script will ask:

Do you want to install or delete remote printing (i/d/q)? Answer i and press Enter to continue.

5. The script will ask:

Do you want to change the remote printer description file /etc/printcap (y/n)?

Answer y and press Enter to continue.

6. The script will ask:

Please enter the printer name (q to quit):

Enter an alias for the printer on the local machine and press Enter. This name should be the same as the destination port name.

7. Answer r (remote printer) to the question

Is printer a remote printer or a local printer (r/l)?

8. When prompted with the question:

Please enter the name of the remote host that printer is attached to:

then enter the address of the D-Link print server. You can use the name you added to /etc/host in the step above.

9. Confirm that your entries are correct.

Is this correct? (y/n)

10. Answer the question:

Would you like this to be the system default printer? (y/n)

- **11.** When you are done adding remote printers, enter q for the printer name.
- **12.** Answer y to the question

Do you want to start remote daemon now (y/n)?

Once remote printing is set up, you can use the 1p command to print jobs to the new printer. For more information, consult your SCO Unix documentation.

## **Printing from Solaris**

To allow printing from a Sun Solaris workstation,

- **1.** Log in as the superuser (root).
- 2. Add an entry for the print server in the host's /etc/hosts file, giving a hostname for the print server's IP address. A line in /etc/hosts contains an IP address and one or more aliases for the host. For example:

#### 202.39.74.40 ps-142634 ps-142634.dlink.com.tw

If you use DNS (the Domain Naming Services protocol), you can add an address record entry to your DNS database for the print server.

- 3. In OpenWindows, start the admintool program.
- 4. Click on the Printer Manager icon.
- 5. From the Edit menu, select Add Print, then Add Access to Remote Printer...
- 6. Enter values for the fields as follow:
  - Printer Name This field should contain the name of the printer port you wish to use. The field is case-sensitive.
  - Printer Server This field should contain the IP address of the print server, or the alias name you added in step 2.
  - Printer Server OS This field should be set to BSD.
- 7. Confirm the addition.
- **8.** Optionally repeat the addition to add another printer for printing text files, with\_TEXT appended to the port name.

Once you have added the new printer, you can use the 1p command to print files to the printer. Consult your Solaris documentation for details.

## Printing from Red Hat Linux

**Adding a Printer** 

1. Click the printer icon

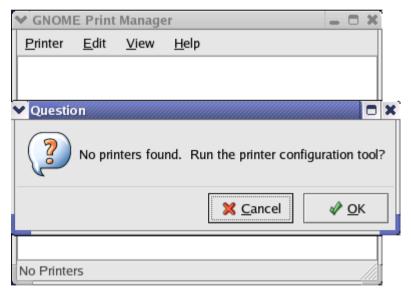


at the bottom of the desktop.



2. Since no printer is set up so far, a prompt appears asking to run the printer

configuration tool.



3. Click the **OK** button in the pop-up dialogue box to open the main **Printer configuration tool** menu. Note that to use the **Printer configuration tool** you must have root privileges, and to start the application you may also type the command: "redhat-config-printer".

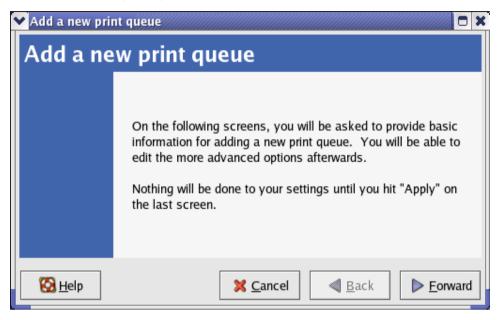


4. Click the **New** button **New** in the **Printer configuration tool** menu.

Y	Printer o	configu	ration - I	ocalhost.	localdomain	- 🗆 🗙
	<u>A</u> ction	<u>T</u> est	<u>H</u> elp			
	<b>_</b>		S)		B	
2	New	Edit	Delete	Default	Apply	
Q	ueue nan	ne 🗕 D	efault D	escription	1	

#### **Printer Configuration Tool menu**

5. The Add a new print queue menu appears, click Forward to continue.



6. Enter a unique name for the printer in the **Name** text field. The printer name cannot contain spaces and must begin with a letter. The printer name may contain letters, numbers, dashes (-), and underscores (\_). Optionally, enter a short description for the printer, which can contain spaces. Then click **Forward** to enter **Queue type** window.

Add a new print queue	💴 🗆 🗙
Queue name	
Please enter a name for this queue. Choose a short name that begins with a letter and contains no spaces. Name: printer About	
If you like, you can enter a description of the printer to help you identify it more easily.	
Short description:	
<u>₩ C</u> ancel <u>B</u> ack	<u>F</u> orward

7. Select Networked UNIX (LPD) in the **Select a queue type** drop-down list, enter the IP address of the print server to which the printer is attached in the **Server** field, and type the port name in **Queue** field. Click **Forward** to select the type of printer.

Add a new print queue		
Queue type		
Select a queue type: Ne	tworked UNIX (LPD)	
Server:	Queue:	
10.24.313	Ip	
🔀 <u>H</u> elp	🔀 <u>C</u> ancel 🔍 💐 <u>B</u> ack	▶ <u>F</u> orwar

#### 8. Select the printer model.

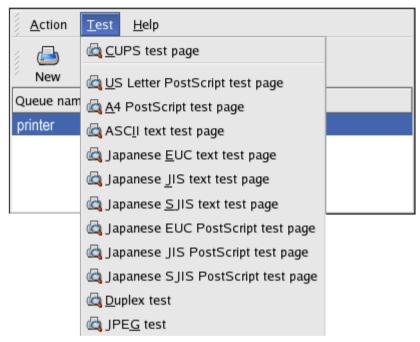
✔ Add a new print queue	
Printer model	
Select the printer manufacturer and model.	<u>N</u> otes
Generic (click to select manufacturer)	<b>±</b>
Text Only Printer	<b>^</b>
Raw Print Queue	1
24-pin 136 Col	
24-pin 80 Col	•
Back	<u> </u>

If a printer has not been detected automatically, select the model from the list. You can manually select the name of the printer manufacturer from the **Generic (click to select manufacturer)** drop-down menu, and then the printer model from the sub-list. Click **Forward** to continue.

✓Add a new print queue	
Printer model	
Select the printer manufacturer and model.	<u>N</u> otes
HP	Ŧ
LaserJet 3200	<b>^</b>
LaserJet 3200m	
LaserJet 3200se	
Laser let 3300 MEP	<b>v</b>
Image: Second	Back

9. The last step is to confirm your printer configuration. Click the **Apply** button to confirm or **Back** button to modify the configuration.

10. Print a test page to make sure the printer is functioning properly. To print a test page, select the printer from the printer list, then select the appropriate test page from the **Test** menu.



# Setting up Printing in Mac OS X Tiger (10.4.9)

#### NOTE: Mac OS printing is supported by Postscript printers only!

With Mac OS X Tiger (10.4), you can use Apple Talk, Bonjour, Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jet Direct-Socket printing through Print Server.



in your Dock to open your System

Click on this icon

Preferences screen as below.

$\bigcirc \bigcirc \bigcirc$		Sy	stem Prefere	nces			
	Show All				Q		2
Personal							
File New				3			
Appearance	Dashboard & Exposé	Desktop & Screen Saver	Dock	International	Security	Spotlight	
Hardware							
6			B	<b>H</b>	(D)		
CDs & DVDs	Displays	Energy Saver	Keyboard & Mouse	Print & Fax	Sound		
Internet &	Network						
		0	1				
.Mac	Network	QuickTime	Sharing				
System							
11		()		?			
Accounts	Date & Time	Software Update	Speech	Startup Disk	Universal Access		

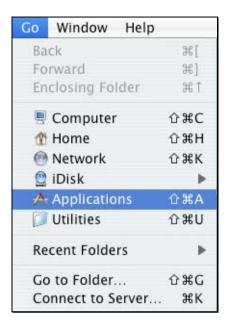
Click on the **Network** icon to view the menu below.

Select the **Apple Talk** tab in the **Network** menu. Check the box labeled **Make Apple Talk Active**. Click on the **Apply Now** button and close the menu. Apple Talk is now active on the system. Now a printer can be added.

00	Network	
Show All		Q
Location:	Automatic	•
Show:	Built-in Ethernet	\$
TCP/IP PPP	oE AppleTalk Proxies	Ethernet
	Make AppleTalk Active	
Computer Name:	alpha's Power Mac G4 (AGP (Can be changed in Sharing Prefe	rences)
AppleTalk Zone:	[	*
Configure:	Automatically	•
		?
Click the lock to prevent fur	ther changes. Assis	t me Apply Now

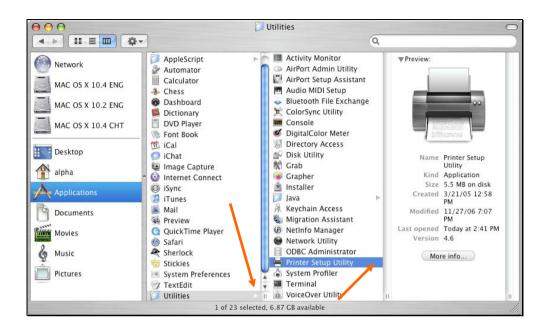
## **Adding a Printer**

Use the Go menu at the top tool bar and open the Utilities folder.



In the Utilities folder, find and select Printer Setup Utility to see the Printer List dialog window.

#### Setting up Printing in Mac OS X Tiger (10.4.9)



Click Add button to open the Printer Browser screen.

$\bigcirc \bigcirc \bigcirc$				Printer Li	st		$\bigcirc$
<u>e</u>	đ	0	8-P	X	0		
Make Default	Add	Delete	Utility	ColorSync	Show Info		
Name				*	Status	Kind	

Mac OS X Tiger (10.4) supports five printing protocols:

1. AppleTalk

Setting up Printing in Mac OS X Tiger (10.4.9)

- 2. Bonjour
- 3. Internet Printing Protocol (IPP)
- 4. Line Printer Daemon (LPD)
- 5. HP Jet Direct Socket

To add an Internet Printing Protocol, Line Printer Daemon or HP Jet Direct - Socket



enabled printer, click on the IP Printer button and follow the instructions to add an IP Printer in the "Adding an IP printer" section.

## **AppleTalk-enabled or Bonjour-enabled Printers**



To add an AppleTalk-enabled or Bonjour-enabled printer, click the **Default Browser** button in the **Printer Browser** menu.

8	<b>_</b>	(Q,+	
ault Browser	IP Printer		Search
Printer Name			Connection
dlk-C352AB-U	1		AppleTalk
dlk-C352AB-U			Bonjour
	dlk-C352AB-U1 Local Zone		
Location:	dlk-C352AB-U1 Local Zone Auto Select		

Select the printer model from **Printer Name** list and **Connection** type in the **Printer Browser** menu. The printer name selected should be the same as that appearing listed in the Printer Server's web manager. In the example here, the printer name is dlk-C352AB-U1. By default the **Printer Browser** will use **Auto Select** for **Print Using**. This may also be manually selected in the **Print Using** drop-down list box by brand and model. Click the **Add** button to exit the **Printer Browser** window and implement the new setting.

00	Printer	Browser	C
efault Browser	IP Printer	Q	Search
Printer Name		*	Connection
dlk-C352AB-U	1		AppleTalk
dlk-C352AB-U	1		Bonjour
Name:	dlk-C352AB-U1		
Location:	Local Zone		
Print Using:	HP		•
	Model		A
	HB Laserlet 2200		6
	HP LaserJet 2300 HP LaserJet 2410		
	HP LaserJet 2410		
	HP LaserJet 2430		
	HP LaserJet 3015		
			4
	HP LaserJet 3020 3030 HP LaserJet 3200		T I
	HE LASPIPE \$200		141
?		More Printers	Add

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears it is ready for use. Quit the **Printer Setup Utility** and start printing.

$\bigcirc \bigcirc \bigcirc$		245		Printer Li	st	attende .	0
Make Default	Add	<b>O</b> Delete	۲ Utility	ColorSync	6 Show Info		
Name					Status	Kind	
i dlk-C3	52AB-U1	200				HP LaserJet 2420	
							1

### **Adding an IP Printer**

To add an Internet Printing Protocol, Line Printer Daemon, or HP Jet Direct - Socket



enabled printer, click the IP Printer button in the Printer Browser screen.

Select a desired printing protocol from the **Protocol** drop-down menu.

$\Theta \Theta \Theta$		Printer Browser	$\bigcirc$
Default Browser	IP Printer	Q- Search	
Protocol	🗸 Line Prin	Printing Protocol – IPP ter Daemon – LPD rect – Socket	
Address:	Enter host na	ime or IP address.	
Queue:	Leave blank f	for default queue.	
Name:			
Location: Print Using:	Please sel	ect a driver or printer model	•
?		More Printers Ad	d

Type the IP Address of the printer. The name will appear in the Name field when the

printer is found. The **Printer Browser** will indicate that it is verifying the address. If the printer is found, the **Printer Browser** will state "Valid and complete address" in the **Address** field.

The printer utility is able to detect the printer and may automatically select the correct printer driver in the **Print Using** field. You can manually select the printer-maker from the **Print Using** drop-down menu, and then select the printer model from the scroll-down list - or select **Generic PostScript Printer** option from the **Print Using** drop-down menu if the model is not listed. To implement the setting, click the **Add** button.

The setup procedures for these three printing protocols (Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jet Direct – Socket) are essentially the same. Illustrated examples are included below as a reference.

#### To set up LPD Printing:

- 1. Enter the IP address of the print server to which the printer is attached in the **Address** field.
- 2. Type the port name in the **Queue** field.

$\Theta \Theta \Theta$		Printer Browser	C
ß	9	Q.+	
Default Browser	IP Printer		Search
Protocol:	Line Printe	er Daemon – LPD	•
Address:	10.62.31.1	.5	•
	Valid and con	nplete address.	
Queue:	dlk-C352A	NB-U1	
	Leave blank f	or default queue.	
Name:	10.62.31.1	5	
Location:			
Print Using:	Generic Po	stScript Printer	=
0.2			
?		More Printers	Add

Click the **Add** button after completing the selection of printer model in the **Print Using** drop-down menu.

#### To set up IPP Printing:

- Enter the IP address of the print server to which the printer is attached in the Address field. After that, type ": 80" or ": second port" if the print server's second port is enabled.
- 2. Type the port name in the **Queue** field.

Printer Browser	(	
(Q-	Search	D
Line Printer Daemon – LPD	•	
10.62.31.10:80	•	
alid and complete address.		
Jlk-C352AB-U1	•	
ave blank for default queue.		
0.62.31.10		1
Generic PostScript Printer	•	
]	IP Printer Line Printer Daemon – LPD 10.62.31.10:80 'alid and complete address. dlk–C352AB–U1 eave blank for default queue.	IP Printer Search  Line Printer Daemon – LPD  10.62.31.10:80  Valid and complete address.  dlk-C352AB-U1  eave blank for default queue.

Click the **Add** button after selecting the printer model in the **Print Using** drop-down menu.

#### To set up Socket Printing:

- Enter the IP address of the print server to which the printer is attached in the Address field. After that, type ": 9100" for the USB port.
- 2. Keep the **Queue** field blank.

0	Printe	er Browser	
ult Browser	IP Printer	(Q.+	Search
Protocol:	HP Jet Direct - S	ocket	:
Address:	10.62.31.5:9100		•
	Valid and complete a	ddress.	
Queue:			v
	Leave blank for defau	ult queue.	
Name:	10.62.31.5		
Location:			
Print Using:	Generic PostScrip	ot Printer	;
)		More Printers	) (Add

Click the **Add** button after completing the selection of the printer model in the **Print Using** drop-down menu.

When the Installable Options pop-up window appears, click the Continue button.

00	Printer Browser
Installa	able Options
10.62.	
full advantage of	printer's options are accurately shown here so you can take f them. For information on your printer and its optional the documentation that came with it.
Tray 3	0.62.53/3/000 21
Memory Confi	iguration: 64 – 127 MB RAM 🛟
Duplex Uni	ite niank no defaurt group.
Paper Matchin	ng: Prompt User for correct size 🛟
?	Cancel Continue
-	

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears it is ready for use. Quit the **Printer Setup Utility** and start printing.

000		Printer List			0	
Make Default	Add	<b>O</b> Delete	2 Utility	ColorSync	Contract Show Info	
Name					Status	Kind
10.1.32.2 10.13.55. 10.62.31.						Generic PostScript Pr Generic PostScript Pr HP Color LaserJet 3

# Setting up AppleTalk Printing in Mac OS 9

#### **NOTE**: Mac OS printing is supported by Postscript printers only!

The AppleTalk network protocol is used with computers using the MacOS operating system. It can be used for network communications over standard Ethernet or Fast Ethernet using the EtherTalk transport, or over a proprietary low-speed LocalTalk transport.

MFP server can be used for network printing to PostScript printers. You can print from any MacOS computer connected to your Ethernet network, either directly using an EtherTalk connection, or indirectly through a LocalTalk-to-EtherTalk router.

**NOTE**: The Chooser name of a printer connected to one of the Print Server's ports is the same as its Port Name. If you are using AppleTalk printing, you will need to make sure that every Port Name is unique among all of the network printers in your AppleTalk zone. The Port Names shown in this manual are examples only.

To set up MFP server so that it can be used for AppleTalk printing:

Make sure the AppleTalk protocol is enabled in your Macintosh.

Make sure the PC's IP Address corresponds with the Print Server's IP Address in the same segment for the two devices to communicate.

Launch the browser and enter the print server web configurator, select the ADVANCED tab, click the Advanced LAN button and then scroll to the bottom to the AppleTalk protocol section

If your AppleTalk network is divided into AppleTalk zones, you will have to specify

which zone the Print Server should be in. You should locate the Print Server in the same zone as most of the users who will be using it. If your network is not divided into zones, the AppleTalk Zone field should contain a single asterisk (\*).

For each Printer Port that will be used for AppleTalk printing, you may need to change the AppleTalk Port Settings in the **Advanced LAN** screen, shown as below.

Product: DPR-1020					Firmware Version: 1.00
D T Seal					
D-Linl					
DPR-1020	Setup	Advanced	Maintenance	Status	Help
Advanced LAN User Access	NETWORK SETTING		-,		Helpful Hints TCP/IP:
E-Mail Notification	administrator.	any of the following sett	ings unless instructed to de	o so by your network	If you are using e-mail printing or e-mail notification, you will need
SNMP Printer On Ine Reboot	Mac Bonjou	UPnP : 01 Ir/Rendezvous : 01 ond HTTP Port : 10 Por	0.0.0.0 0.0.0.0 inable Disable inable Disable inable Disable Number : 0 Remote Web Configuration	on and IPP Printing)	to setup the DNS Server Address. Only if your network has a DNS Server setup should you enter the address into the DNS Server Address box, otherwise leave it as 0.0.0.0. UPNP allows your print server to be discoverable on the network. Mac Bonjour/Rendezvous allows your print server to be discoverable on an Apole Mac network.
	MICROSOFT NETW		KGROUP		
	APPLETALK				
		Pos	ter Type : Las :Script Level : Let t Group : Sta	-812AFA-U1 verWriter vel 2 V andard 35 V	
PRINT SERV	/ER				

#### AppleTalk

Enter the AppleTalk Zone name in the box or a "\*" if it is not divided into zones.

<u>Chooser Name</u>: This field displays the print server's port name.

<u>Printer Type</u>: Enter the printer type in this field.

PostScript Level: Select either Level 1 or Level 2 from the drop-down menu.

Font Group: Select the Font Group from the drop-down menu.

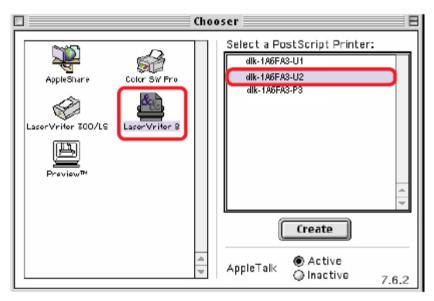
The exact procedure for selecting a PostScript printer connected to a MFP server

may vary slightly depending on what printer driver version you are using. The procedure described below assumes you are using LaserWriter 8.

To choose a printer connected to the MFP server as your MacOS workstation's default printer, open the Chooser by selecting Chooser from the Apple menu. Select the LaserWriter 8 icon on the left. Make sure that AppleTalk is set to **Active**.

A list of all networked PostScript printers will be displayed as follows.

Double-click the name of the Printer Port you wish to use. The Printer Ports shown are examples only.



If you have not previously set this printer as the default, your computer will prompt you for a PostScript Printer Description file. Choose **Select PPD**.

<b>K</b>	Current Printer De "Generic"	scription File (PPD) Sel	ected:
	Auto Setup	Select PPD	Help
	Printer Info	Configure	Cancel
			<u> </u>

Select the appropriate printer description file for your printer.

Click Open. (If your printer is not listed, click Generic to use a generic printer description.)

If you wish to access this setting in the future, you can use the Setup button in the Chooser window.

The selected printer will become your computer's default printer. You may need to choose Page Setup in any applications you have open.

# **Technical Specifications**

### **Printer Connection**

Printer Port: USB 2.0

Bi-directional Communication: Hewlett-Packard PJL (Printer Job Language)

standard for bi-directional communication.

### **Network Connection**

Network Standards: 100Base-TX Fast Ethernet

Network Data Transfer Rate: 10/100 Mbps (megabits per second)

Network Connector: RJ-45

### **Network Protocols**

Ethernet Frame Types: 802.2, 802.3, Ethernet II, SNAP (auto-switching)

Transport Protocols: TCP/IP, NetBEUI, AppleTalk/EtherTalk, LPR,SMB

TCP/IP Protocols Supported: BOOTP, SNMP, FTP, LPD, RARP, DHCP, IPP

### **Management and Diagnostics**

Standard: SNMP

MIBs: MIB-II (RFC 1213)

Diagnostic LED Indicators: Power, Link/Act, USB

### **Environmental and Physical**

Power Supply: External power supply providing 5V, 2.5A DC
Dimensions: 67(W) x 25(H) x 106(D)mm
Weight: approx. 10.3 oz. (292g)
Operating Temperature: 32 to104°F (0 to 40°C)
Storage Temperature: -13 to 131°F (-25 to 55°C)

Humidity: 5% to 95% non-condensing

Emissions: FCC Class B, CE Class B, VCCI Class B

## Appendix: DPR-1020 Printer Compatibility List

#### MFP Supported on Windows 2000 SP4 and Windows XP

Printer	Printer List		Results			
ter			(*Y=Pass, N=Fail, N/A=No			
	Manufacturer	Model	Printing	Scan	Fax	
1.	Avision	MF3100L	Y	Y	N/A	
2.	Benq	CM3000	Y	Y	N/A	
3.	Brother	MFC-210C	Y	Y	Y	
4.	Brother	MFC-420CN	Y	Y	Y	
5.	Brother	MFC-3240C	Y	Y	Y	
6.	Brother	MFC-7220	Y	Y	Y	
7.	Canon	PIXMA MP110	Y	Y	N/A	
8.	Canon	PIXMA MP150	Y	Y	N/A	
9.	Canon	PIXMA MP160	Y	Y	N/A	
10.	Canon	PIXMA MP170	Y	Y	N/A	
11.	Canon	PIXMA MP180	Y	Y	N/A	
12.	Canon	PIXMA MP450	Y	Y	N/A	
13.	Canon	PIXMA MP460	Y	Y	N/A	
14.	Canon	PIXMA MP500	Y	Y	N/A	
15.	Canon	PIXMA MP510	Y	Y	N/A	
16.	Canon	PIXMA MP530	Y	Y	Y	
17.	Canon	PIXMA MP600	Y	Y	N/A	
18.	Canon	PIXMA MP810	Y	Y	N/A	
19.	Canon	PIXMA MP830	Y	Y	Y	
20.	Canon	PIXMA MP950	Y	Y	N/A	
21.	Canon	PIXMA MP960	Y	Y	N/A	

22.	Dell	Photo 926	Y	Y	N/A
23.	Dell	Photo 966	Y	Y	Y
24.	EPSON	PM-A970	Y	Y	N/A
25.	EPSON	PM-A920	Y	Y	N/A
26.	EPSON	PM-A820	Y	Y	N/A
27.	EPSON	PM-A720	Y	Y	N/A
28.	EPSON	PM-A950	Y	Y	N/A
29.	EPSON	PM-A890	Y	Y	N/A
30.	EPSON	PM-A750	Y	Y	N/A
31.	EPSON	PM-A650	Y	Y	N/A
32.	EPSON	STYLUS CX2900	Y	Y	N/A
33.	EPSON	Stylus CX3700	Y	Y	N/A
34.	EPSON	Stylus CX3900	Y	Y	N/A
35.	EPSON	Stylus CX4100	Y	Y	N/A
36.	EPSON	Stylus CX4700	Y	Y	N/A
37.	EPSON	Stylus CX4900	Υ	Y	N/A
38.	EPSON	STYLUS CX5700F	Y	Y	N/A
39.	EPSON	STYLUS CX5900	Y	Y	N/A
40.	EPSON	STYLUS CX6900F	Y	Y	N/A
41.	EPSON	Stylus Photo RX530	Y	Y	N/A
42.	EPSON	Stylus Photo RX580	Y	Υ	N/A
43.	EPSON	Stylus Photo RX590	Y	Y	N/A
44.	EPSON	Stylus Photo RX630	Y	Y	N/A
45.	EPSON	Stylus Photo RX650	Y	Y	N/A
46.	Fuji Xerox	WorkCentre 3119	Y	Y	N/A
47.	HP	Deskjet F380	Υ	Y	N/A

#### Appendix: DPR-1020 Printer Compatibility List

48.	HP	PSC1315	Y	Y	N/A
49.	HP	Photosmart C1350	Y	Y	N/A
50.	HP	Photosmart C1610	Y	Y	N/A
51.	HP	Photosmart C3180	Υ	Y	N/A
52.	HP	Photosmart C4180	Υ	Y	N/A
53.	HP	Photosmart C5180	Υ	Y	N/A
54.	HP	OfficeJet 4255	Υ	Y	Υ
55.	HP	OfficeJet 4355	Y	Y	Υ
56.	HP	OfficeJet 5510	Υ	Y	Υ
57.	HP	OfficeJet 5610	Υ	Y	Y
58.	HP	OfficeJet 6110	Υ	Y	Υ
59.	HP	OfficeJet 7210	Y	Y	Y
60.	HP	LaserJet 3050	Y	Y	Υ
61.	Lexmark	x3470	Y	Y	N/A
62.	Lexmark	x5470	Y	Y	Y
63.	Samsung	SCX-4100	Y	Y	N/A
64.	Samsung	SCX-4200	Y	Y	N/A

#### MFP Supported on Windows Vista 32-bit

Pr	Printer List		Results		
Printer			(*Y=Pass, N=	=Fail, N/A=Nor	n-available function)
7	Manufacturer	Model	Printing	Scan	Fax
1.	Avision	MF3100L	Y	Y	N/A
2.	Benq	CM3000	Driver not	available	N/A
3.	Brother	MFC-210C	Y	Y	Y
4.	Brother	MFC-420CN	Y	Y	Y
5.	Brother	MFC-3240C	Y	Y	Y
6.	Brother	MFC-7220	Y	Y	Y
7.	Canon	PIXMA MP110	Y	Y	N/A
8.	Canon	PIXMA MP150	Y	Y	N/A
9.	Canon	PIXMA MP160	Y	Y	N/A
10.	Canon	PIXMA MP170	Y	Y	N/A
11.	Canon	PIXMA MP180	Y	Y	N/A
12.	Canon	PIXMA MP450	Y	Y	N/A
13.	Canon	PIXMA MP460	Y	Y	N/A
14.	Canon	PIXMA MP500	Y	Y	N/A
15.	Canon	PIXMA MP510	Y	Y	N/A
16.	Canon	PIXMA MP530	Y	Y	Y
17.	Canon	PIXMA MP600	Y	Y	N/A
18.	Canon	PIXMA MP810	Y	Y	N/A
19.	Canon	PIXMA MP830	Y	Y	Y
20.	Canon	PIXMA MP950	Y	Y	N/A
21.	Canon	PIXMA MP960	Y	Y	N/A
22.	Dell	Photo 926	Y	Y	N/A
23.	Dell	Photo 966	Y	Y	Y

24.	EPSON	PM-A970	Y	Y	N/A
25.	EPSON	PM-A920	Y	Y	N/A
26.	EPSON	PM-A820	Y	Y	N/A
27.	EPSON	PM-A720	Y	Y	N/A
28.	EPSON	PM-A950	Y	Y	N/A
29.	EPSON	PM-A890	Y	Y	N/A
30.	EPSON	PM-A750	Y	Y	N/A
31.	EPSON	PM-A650	Y	Y	N/A
32.	EPSON	Stylus CX2900	Y	Y	N/A
33.	EPSON	Stylus CX3700	Y	Y	N/A
34.	EPSON	Stylus CX3900	Y	Y	N/A
35.	EPSON	Stylus CX4100	Y	Y	N/A
36.	EPSON	Stylus CX4700	Y	Υ	N/A
37.	EPSON	Stylus CX4900	Y	Υ	N/A
38.	EPSON	STYLUS CX5700F	Y	Υ	N/A
39.	EPSON	STYLUS CX5900	Y	Y	N/A
40.	EPSON	STYLUS CX6900F	Y	Υ	N/A
41.	EPSON	Stylus Photo RX530	Y	Υ	N/A
42.	EPSON	Stylus Photo RX580	Y	Y	N/A
43.	EPSON	Stylus Photo RX590	Y	Υ	N/A
44.	EPSON	Stylus Photo RX630	Y	Y	N/A
45.	EPSON	Stylus Photo RX650	Driver not	available	N/A
46.	Fuji Xerox	WorkCentre 3119	Y	Driver not	N/A
				available	
47.	HP	Deskjet F380	Υ	Y	N/A
48.	HP	PSC1315	Y	Y	N/A
49.	HP	Photosmart C1350	Y	Y	N/A

#### Appendix: DPR-1020 Printer Compatibility List

50.	HP	Photosmart C1610	Y	Y	N/A
51.	HP	Photosmart C3180	Y	Y	N/A
52.	HP	Photosmart C4180	Y	Y	N/A
53.	HP	Photosmart C5180	Υ	Y	N/A
54.	HP	LaserJet 3050	Y	Y	Driver not
					available
					available
55.	Lexmark	x3470	Y	Y	N/A
55. 56.	Lexmark Lexmark	x3470 x5470	Y Y Y	Y Y	
				·	N/A

Other Printers from the brands listed above may also be supported.

For an updated compatibility list please visit: http://support.dlink.com.tw