# D-Link DP-301P+ Pocket-Sized Print Server

Manual

Rev. 02 (October, 2007)



## Contents

| Package Contents                    | iii |
|-------------------------------------|-----|
| Contents of Package:                | iii |
| System Requirements:                | iii |
| Introduction                        | 1   |
| External Features                   | 3   |
| Port Connectors                     |     |
| Rear Panel Connectors               | 4   |
| Network Cable Connector             | 4   |
| DC Power Connector                  | 4   |
| LED Indicators                      | 5   |
| Front Panel                         | 6   |
| Parallel Port Connector             | 6   |
| Setting up the DP-301P+             | 7   |
| Installing the Print Server         | 7   |
| Power ON Self-Test                  |     |
| Getting Started                     | 10  |
| Using PS-Wizard                     |     |
| Auto-Run Installation               |     |
| PS-Wizard                           |     |
| Installing PS-Wizard                |     |
| Using PS-Wizard                     |     |
| Using the Web Configuration         |     |
| Home                                |     |
| SETUP > LAN Setup                   |     |
| SETUP > Printer Setup               |     |
| ADVANCED > Advanced LAN             |     |
| ADVANCED > User Access              |     |
| ADVANCED > E-Mail Notification      |     |
| ADVANCED > SNMP                     |     |
| MAINTENANCE > Password              |     |
| MAINTENANCE > Save/Restore Settings |     |
| MAINTENANCE > Firmware Upgrade      |     |
| MAINTENANCE > Diagnostics           |     |
| STATUS > Device Info                |     |
| STATUS > Network                    | 48  |

| HELP   | 51  |
|--|-----|
| Reboot   | 52  |
| Refresh Printer Status                           | 53  |
| TCP/IP Printing for Windows Vista                | 54  |
| TCP/IP Printing for Windows XP                   | 65  |
| TCP/IP Printing for Windows 2000                 | 76  |
| TCP/IP Printingfor Windows 98SE/ME               | 89  |
| Unix/Linux Printing                              | 102 |
| Printing Text Files form Unix                    |     |
| Printing form BSD Unix Versions                  | 103 |
| Printing from SCO Unix System V/386              | 106 |
| Printing from Solaris                            | 108 |
| Printing from Red Hat Linux                      | 109 |
| Setting up Printing in Mac OS X Tiger (10.4)     | 116 |
| Adding a Printer                                 | 118 |
| AppleTalk-enabled or Bonjour-enabled Printers    | 120 |
| Setting up AppleTalk or LPR Printing in Mac OS X | 130 |
| Setting up AppleTalk Printing in Mac OS 9        | 135 |
| Technical Specifications                         | 139 |
| Contacting Technical Support                     | 140 |
| Warranty and Registration                        | 141 |
| Appendix: DP-301P+ Printer Compatibility List    | 145 |

## **Package Contents**



### **Contents of Package:**

- D-Link DP-301P+ Pocket-Sized 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 an installed Ethernet adapter
- Windows Vista/XP/2000/NT4/ME/98SE/95
- Apple Mac OS 9.x to MAC OS X 10.4.x
- Linux, Solaris, SCO Unix, AIX
- Internet Explorer 6.0 or above; Netscape Navigator version 6.0 or above, with

JavaScript enabled

Printer must support required operating system

## Introduction

The D-Link DP-301P+ Print Server is a packet size print server that connects to your Ethernet/Fast Ethernet network anywhere you wish to locate printer services. The DP-301P+ manages the flow of print files from workstations or file servers to connected printers, delivering print jobs to printers much faster than a file server or a PC acting as a print server can.

The DP-301P+ includes easy-to-use software to install on most Windows-based networks. Protocol support for TCP/IP, NetBEUI, and AppleTalk are provided to ensure seamless connection to major networking Operating Systems.

The DP-301P+ has a built in Web-Based management feature that allows users to easily configure and manage multiple print queues through TCP/IP. The DP-301P+ also supports Telnet as an alternative method to configure the unit.

The DP-301P+ improves network printing services in the following ways:

The DP-301P+ picks up the workload of managing print file traffic to its connected printers. This provides workload relief to your file servers, and allows the file servers full capacity to be used for file access or other direct services to network users. On peer-to-peer networks, workstations can print directly to the Print Server without increasing the load of another workstation or server.

The DP-301P+'s parallel printer port is IEEE1284-compliant high-speed bi-directional port, which can transmit to high-speed laser printer much faster than a PC's parallel printer port. High-speed laser printer connected to the Print Server's parallel port can be operated at their full capacity. Because the DP-301P+ is very portable and inexpensive compared to a PC-based print server, and Print Server connects to your file servers through the network, printers can be deployed to locations of maximum convenience to users.

The DP-301P+ offers extraordinary flexibility, operating 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

Furthermore, the print server features a useful software: PS-Wizard. PS-Wizard is an user-friendly program used to complete further settings for the print server, and assist you to easily add a printer on your computer. See also the "Using The PS-Wizard" chapter in this manual for the details. The print server also supports configuration and management via the Telnet protocol for networks without Windows-compatible machines.

## **External Features**

### **Port Connectors**

The DP-301P+'s parallel port is located on its front panel. The port is configurable using the Web Configuration Interface or the print server's Telnet interface. The Print Server's Web configuration permits users to configure settings through the web browser.

Default IP Address of DP-301P+ is set as automatically getting from DHCP server or Router which build-in DHCP server.

**NOTE:** The 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 print 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**



### **Network Cable Connector**

The Print Server's rear panel feature an RJ-45 connector for connection to 10Base-T Ethernet cabling or 100Base-TX Fast Ethernet cabling (which should be Category 5 twisted-pair cable). The 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 located on the Print Server's rear panel and is labeled DC 5V.

## **LED Indicators**

The rear panel of the print server features three LED indicators:



### <u>ں</u>

Steady green confirms that the Print Server is powered ON.

### LPT

Lights up to indicate printing activity.

### 

Steady green confirms that the Print Server has a good connection to the Ethernet or Fast Ethernet network. The indicator blinks off briefly to indicate that the Print Server is receiving or transmitting from the network.

These three indicators are also used by the Print Server's Power-ON Self Test (POST) to indicate any hardware failures.

## **Front Panel**



### **Parallel Port Connector**

The front panel of the print server features the parallel port connector. Plug this connector directly into the parallel port on your network printer. There is no need for a parallel port cable between the print server and your network printer.

## Setting up the DP-301P+

### **Installing the Print Server**

**WARNING**: Configuration problems may result if the Print Server is powered up without first establishing its network connection.

Follow this procedure to avoid complications at the configuration stage.

1. Confirm proper operation of the printers to be connected to the DP-301P+.

2. When you have confirmed proper operation of the printer, switch its power OFF.

3. Confirm that your network is operating normally.

4. Connect the DP-301P+ RJ-45 Connector to the network, using an Ethernet CAT5 cable.

5. While the printer is powered OFF, install the DP-301P+ parallel port connector into the parallel port on the network printer.

6. Switch on the connected printer.

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

8. Plug the power adapter into a power outlet. This will supply power to the Print Server, as it has no external power switch. The green Power LED on the Print Server's front panel should illuminate steadily, and the Print Server's Self-Test will proceed.

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

Every DP-301P+ has been factory-tested to operate properly.

When the DP-301P+ is powered ON, it also 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 LPT LED indicator following the Self-Test. Preliminary to the actual component tests, the three LED indicators are tested to confirm their steady and flashing operation.

Immediately after power-up, all three of the green LEDs should illuminate steadily for several seconds. Then the LPT LED should light OFF. 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 a simultaneous flashing of the LPT LED three times, followed by a quiescent state with the LPT LED dark.

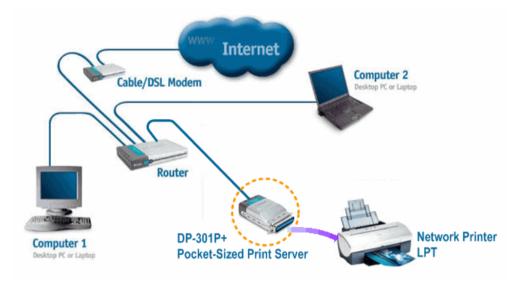
If the Self-Test routine traps any component error, then following the LED tests the Self-Test will halt and the LPT LED will continuously signal the error according to the following table. In the event of any such error signal, contact your dealer for correction of the faulty unit.

| LPT 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 8 short | LPT Controller error      |

| LPT LED         | Faulty Component |
|-----------------|------------------|
| 1 long 9 short  | LPT error        |
| 1 long 14 short | LAN MII error    |

## **Getting Started**

Below is a sample network using the DP-301P+. The DP-301P+ has a built- in Web-based management feature that allows users to easily configure and manage multiple print queues through TCP/IP.



For a list of printers that are compatible with the DP-301P+, 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 DP-301P+.

## **Using PS-Wizard**

This chapter will introduce you the installation and operation of a useful software program – PS-Wizard.

### **Auto-Run Installation**

Insert the Installation CD-ROM into your computer's CD-ROM drive to initiate the

Auto-Run program. The content of the Installation CD-ROM includes:

- View Quick Installation Guide click to preview the *Quick Installation Guide* in PDF format for step-by-step instructions of the print server Installation.
- View Manual click to preview the User's Guide in PDF format for detailed information of the print server.
- Install Acrobat Reader click to launch Acrobat Reader for the viewing and printing of PDF files in the Installation CD-ROM.
- Install PS-Wizard click to install PS-Wizard to complete further settings for the print server, such as:
  - Changing IP address
  - Adding a printer on your computer in the easiest way.
- Close click to close the Auto-Run program.

## **PS-Wizard**

To avoid the conflict in your network, you can use **PS-Wizard** to change the related settings of your print server (such as the IP address) after finishing the installation of **PS-Wizard** on your PC.

## **Installing PS-Wizard**

 Click the PSWizardSetup icon of the Installation CD-ROM, and then the system will prompt a window for you to select a desired setup language from its pull-down menu. After done the selection of language, click OK button to continue.

| Choose S | ietup Language 🛛 🛛 🔀  |
|----------|---|
|          | Select the language for this installation from the choices below. |
|          | English   |
|          | OK Cancel   |

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



 Specify the destination location by pressing Browse... button. Otherwise, leave the default setting and click Next> button to continue.

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

 You may enter a new folder name in the Program Folder field if you want to change the default name. Otherwise, you may leave the default setting and click Next> button to go on the installation.

| InstallShield Wizard  | × |
|---|---|
| Select Program Folder     Image: Constraint of the select a program folder.   |   |
| Setup will add program icons to the Program Folder listed below. You may type a new folder<br>name, or select one from the existing folders list. Click Next to continue.<br>Program Folders: |   |
| PS-Wizard Existing Folders: Accessories   |   |
| Administrative Tools<br>Adobe<br>AlphaNetworks<br>AOL Instant Messenger<br>Camtasia Studio 4<br>FileManager   |   |
| Games<br>Microsoft Office   |   |
| < Back Next > Cancel  |   |

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



After installing the program, the application program for the print server is automatically installed to your computer, and creates a folder in Start→ Programs→ PS-Wizard.

## Using PS-Wizard

**PS-Wizard**, supports for Windows 2000/XP/2003/Vista, is a simple and useful tool for you easily adding a printer on your computer in order to quickly start your printing task without any complicated configuration. That is, the main goal and advantage of the **PS-Wizard** is to let you add a printer on your PC in the easiest way.

Furthermore, the **PS-Wizard** also allows you to set up IP addresses of print server, such as IP address, Subnet Mask address, and default Gateway address.

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



| Server Name     | IP Ac | dress   |     | M    | AC   | Add  | Ires | s   | 1 |   |             |
|-----------------|-------|---------|-----|------|------|------|------|-----|---|---|-------------|
| 301p            | 10.67 | 5.43    | _   | 00   | 03   | 1b 5 | 59 4 | ·   | С |   |             |
| dlink-1A2AAA    | 10.62 | 31.15   |     | 00   | ) ff | 24 1 | a 2  | a   | D | _ |             |
|                 |       |         |     |      |      |      |      |     |   |   | Discover    |
|                 |       |         |     |      | -    |      |      |     |   | 6 | Carriella   |
| <               | 1.11  |         |     |      |      |      | _    |     | > | 0 | onfiguratio |
|                 |       |         |     |      |      |      |      |     |   |   |             |
| AN              |       |         |     |      |      |      |      |     |   |   |             |
| Dynamic IP (DF  | ICP)  |         |     |      |      |      |      |     |   |   |             |
| Fixed IP        |       |         |     |      |      |      |      |     |   |   |             |
| IP Address :    |       | 10      | •   | 62   | •    | 31   |      | 15  |   |   |             |
| Subnet Mask :   |       | 255     | 12  | 0    | 12   | 0    | ÷.   | 0   |   |   |             |
| Default Gatew   | ay:   | 10      | 4   | 1    | - 40 | 1    |      | 254 |   |   | Apply       |
| ort Information |       |         |     |      |      |      |      |     |   |   |             |
| Port Name       |       | Printer | M   | odel |      |      |      |     |   |   |             |
| dlk-1A2AAA-P1   |       | No Prin | ter | Dete | ecte | d    |      |     |   |   |             |
|                 |       |         |     |      |      |      |      |     |   |   |             |
|                 |       |         |     |      |      |      |      |     |   | 6 | dd Printe   |

**Print Server**: This field allows you to manually discover the connected print server and to do further configuration of the print server that is selected from the list.

2

LAN: You may also to specify dynamic or static IP address for your print server. Then click **Apply** button to implement the new setting.

Port Information: This is the main function of the PS-Wizard for you to

easily add a printer on your computer.

To add a printer, click Add Printer, then the following window will display.

|   | : not listed, click 'Select from manufacturer list' to s<br>me with an installation disk, click 'Have Disk'.<br>alled drivers  | electroina |
|---|--|------------|
| Select from manufa  | acturer list   |            |
| Manufacturers   | Printer Models   |            |
| Digital<br>Epson<br>Fuji Xerox<br>Fujitsu<br>GCC<br>Generic | HP LaserJet 1200 Series PCL<br>HP LaserJet 1200 Series PS (MS)<br>HP LaserJet 1220 Series PCL<br>HP LaserJet 1220 Series PS (MS)<br>HP LaserJet 2000<br>HP LaserJet 2100 | <u>^</u>   |
| Gestetner   | HP LaserJet 2100 PCL6<br>HP LaserJet 2100 Series PS  | ~          |
|   |  | Have Disk  |

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

#### 1. Show current installed drivers:

You may select this option, "**Show currently installed drivers**", to check if the same printer driver already existed for use. If not, you may try the next method. After done the selection of printer driver, click **Next>** button to continue.

### 2. Select from manufacturer list:

Check this option, "Select from manufacturer list", to manually select your printer from drop-down menus by brand and model. Click **Next>** button to continue when you find a desired driver. If not, try the last way (**Have Disk**). After done the selection of printer driver, click **Next>** button to continue.

### 3. Have Disk:

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

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

After done the selection of printer driver, the wizard will ask you to confirm your selection again in the following window. Beside, you are allowed to edit the name of the printer in the field "**Network Printer Name**" 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 done the verification and configuration in the following window, click **Next>** button to continue. Then the printer (e.g. HP Laser 2000 used in this manual) will be auto-created in Windows' **Printers and Faxes** window as the following illustration.

|         | Add a Network Printer Confirm Printer Driver   |
|---------|--|
|         | Please confirm the printer selection and choose whether to make this printer the<br>Windows default printing device. Click NEXT to continue. |
|         | Port Name : dlk-1A2AAA-P1  |
|         | Printer Model : No Printer Detected  |
|         | Printer Driver : HP LaserJet 2000  |
|         | Network Printer Name : HP LaserJet 2000 at //dlink-1A2AAA/dlk-1A2AAA-P1  |
|         | Use this printer as the default printer for Windows-based programs.  |
|         |  |
|         | < Bac Next > Cancel  |
|         | rs and Faxes   |
| File Ed | lit View Favorites Tools Help  |
| G Bad   | k - 🕥 - 🍺 🔎 Search 🎼 Folders 🛄 -   |
| Address | 🖕 Printers and Faxes 🛛 💽 Go  |
| Ad      | r Tasks (S) HP LaserJet 2000 at<br>//dlink-1A2AAA/dlk-1A2AAA-P1  |
| See Al  | so 🛞   |

When the following window shows up, you may do print test by clicking **Print Test Page** button to check if you can do printing normally. If yes, then click **Finish** button to exit the installation window and now you may start your printing tasks.

| Add a Network Printer Network Printer is Ready  | ×  |
|---|----|
| Congratulations!<br>You have completed the installation process and should now be able to print. If you<br>did not make a note earlier, please take some time now to write down and remember<br>the network printer name. |    |
| HP LaserJet 2000 at //dlink-1A2AAA/dlk-1A2AAA-P1  |    |
| To exit the installation click 'FINISH', or to print a test page click 'PRINT TEST<br>PAGE'.  |    |
| Finish Print Test Pa  | ge |

## **Using the Web Configuration**

### Home

To begin managing the DP-301P+, simply launch the browser (e.g. Internet Explorer 6.0 used in this manual) you have installed on your computer and direct it to the URL address: dlink-xxxxx, where xxxxx are the last six digits of DP-301P+'s MAC address. The MAC address can be found on the bottom side of the DP-301P+ device.

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

| ile Edit View Favorites Tools H | elp   |                            |     |
|---------------------------------|---|----------------------------|-----|
| dress 🕘 http://dlink-1a2aaa/    |   |                            |     |
|                                 | Connect to dii<br>DP-301P+<br>User name:<br>Password: | admin Remember my password | ? × |

Then the main screen of the print server's configuration will appear (see below). In addition to the product information, you can access and control the print server's configuration through five links on the top of this main screen: **Setup**, **Advanced**, **Maintenance**, **Status**, and **Help**. You may click a desired link from the bar, to display its submenu and select a desired option listed in the left column, and then the corresponding content will show up in the center column.

| D-Link Print Server   | r - Microsoft Internet Ex |  |  |                     |  |
|---|---------------------------|--|--|---------------------|--|
| File Edit View Far  | vorites Tools Help        |  |  | Links               | 🐣 🌀 SnagIt 📷 🎽   |
| Address 🙆 http://10.62  | 2.31.15/                  |  |  |                     | 💌 🄁 G  |
| Product: DP-301P+   |                           |  |  |                     | Firmware Version: 3.70   |
| D-Lin   |                           |  |  |                     |  |
| DP-301P+  | Setup                     | Advanced   | Maintenance  | Status              | Help   |
| Print Server Setup<br>LAN Setup<br>Printer Setup<br>Coffine<br>Reboot | connected to your prin    | /izard will allow you to ins<br>it server. Click <b>Next</b> to co<br><b>Next</b> you will be asked to<br>I so please click <b>RUN</b> , and | tall the printer drivers for the<br>intinue.<br>I download and run some so<br>if a second window appears | ftware. This is the | Helpful Hints<br>Add A Network Printer<br>Wizard:<br>Clicking Next to download<br>and run a windows wizard<br>program which will install a<br>network printer onto your<br>computer. |

## **SETUP > Print Server Setup**

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

| Product: DP-301P+  |   |  |                               |        | Firmware Version: 3.70  |
|--|---|--|-------------------------------|--------|---|
| D-Linl   | K   |  |                               |        | $\prec$   |
| DP-301P+ ///   | Setup   | Advanced                                   | Maintenance                   | Status | Help  |
| Print Server Setup<br>LAN Setup<br>Printer Setup<br>Ciff Ine<br>Reboot | changing these setting PRINT SERVER NA Server | and Port Name can<br>as unless asked to do | (op<br>: dlk-1A2AAA-P1<br>: : |        | Helpful Hints<br>Printer Setup:<br>In this field, you can<br>configure the basic<br>information of your print<br>server.<br>Port Setting:<br>In this field, you can assign<br>the <i>Port Name</i> for the<br>print server, and the<br>description for the Printer<br>port. It also allows you to<br>select the PJ. Printer<br>setting (Yes or No). |
|  |   | Apply                                      | Cancel                        |        |   |
| PRINT SERV   | /ER   |  |                               |        |   |

#### **Print Server Name**

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

#### **Port Settings**

In this field, 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.** 

Once you have changed the settings in each option, click Apply Settings to store the settings, or Cancel to abandon.

## SETUP > LAN Setup

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

| Product: DP-301P+          |  |  |   |   | Firmware Version: 3.70   |
|----------------------------|--|--|---|---|--|
| D-Link                     | ć  |  |   |   | $\prec$  |
| DP-301P+                   | Setup  | Advanced   | Maintenance   | Status  | Help   |
| LAN Setup<br>Printer Setup | that this section is opti<br>your print server up an<br>TCP/IP<br>IP A | onal and you should not n<br>d running.<br>Address : O Automatic<br>@ Manually &<br>IP Addre<br>Subnet I | Assign<br>ess : 10.62.31.15<br>Mask : 255.0.0.0<br>Gateway : 10.1.1.254 | t server. Please note<br>settings here to get | Helpful Hints<br>TCP/IP:<br>This section allows you to<br>configure the TCP/IP<br>setting: IP Address. |

#### PRINT SERVE

#### TCP/IP

This field allows you to assign IP address in manual or automatic method. When you choose Manually Assign, you should enter the related information in the following boxes, including IP Address, Subnet Mask, and Default Gateway. Once you have changed the settings in each option, click Apply Settings to store the settings, or Cancel to abandon.

## **SETUP > Printer Setup**

The Printer Setup screen allows you install the printer drivers for the printer

currently connected to your print server.



#### **Network Printer Wizard**

Clicking **Next** to download and run a windows wizard program which will install a network printer onto your computer. When you click **Next** you will be asked to download and run some software.

| File Download - Security Warning  | ×   |
|---|-----|
| Do you want to run or save this file?   |     |
| Name: Addprt.exe<br>Type: Application, 256 KB<br>From: dlink-1a2aaa<br>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 run or save this software. <u>What's the risk?</u> | not |

The above screen is the Network Printer Wizard so please click RUN, and if a

second window appears as below click **RUN** again.

| Internet | t Explorer - Security Warning 🛛 🛛 🔀  |
|----------|--|
| softwa   | <b>iblisher could not be verified. Are you sure you want to run this</b><br>ire?<br>me: Addprt.exe   |
| Publist  | her: Unknown Publisher   |
|          | Run Don't Run  |
| 8        | This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust. <u>How can I decide what software to run?</u> |

Please select the printer required, then click NEXT to continue.

| D Add a Network Printer Select Printer                            |       |
|---|-------|
| Please select the printer required, then click NEXT to continue.  |       |
|   |       |
| Printer Model No Printer Detected at //dlink-1A2AAA/dlk-1A2AAA-P1 |       |
| NO FINEL DELECTED AL VIOLINK TAZANAVOK TAZANAFT                   |       |
|   |       |
|   |       |
|   |       |
|   |       |
|   |       |
|   |       |
|   |       |
|   |       |
| < Back Next > C   | ancel |
|   |       |

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

### 1. Show current installed drivers:

You may select this option, "**Show currently installed drivers**", to check if the same printer driver already existed for use. If not, you may try the next method. After done the selection of printer driver, click **Next>** button to continue.

| D Add a Network Printer Select Printer Driver 🛛 🛛 🔀  |
|--|
| Install Printer Driver<br>If your printer software is already installed, select your printer from the list and click<br>NEXT. If your printer is not listed, click 'Select from manufacturer list' to select from a<br>list, or if your printer came with an installation disk, click 'Have Disk'.<br>Show currently installed drivers<br>Select from manufacturer list<br>Installed Printer Drivers |
| HP LaserJet 2000   |
| Snaglt 7 Printer   |
| Refresh Driver List Have Disk  |
| < Back Next > Cancel   |

### 2. Select from manufacturer list:

Check this option, "Select from manufacturer list", to manually select your printer from drop-down menus by brand and model. Click **Next>** button to continue when you find a desired driver. If not, try the last way (**Have Disk**). After done the selection of printer driver, click **Next>** button to continue.

| Install Printer Driver<br>If your printer softwar<br>NEXT. If your printer                 |                |  |
|--|----------------|--|
| Manufacturers<br>Generic<br>Gestetner<br>HP<br>IBM<br>infotec<br>Iwatsu<br>Kodak<br>Konica | Printer Models |  |
| 2  | Have Dis       |  |

### 3. Have Disk:

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

| Install  | From Disk   | E E          |
|----------|---|--------------|
| <b>F</b> | Insert the manufacturer's installation disk,<br>and then make sure that the correct drive is<br>selected below. | OK<br>Cancel |
|          | Copy manufacturer's files from:   | Browse       |

After done the selection of printer driver, the wizard will ask you to confirm your selection again in the following window. Beside, you are allowed to edit the name of the printer in the field "**Network Printer Name**" 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 done the verification and configuration in the following window, click **Next>** button to continue. Then the printer (e.g. HP Laser 2000 used in this manual) will be auto-created in Windows' **Printers and Faxes** window as the following illustration.

|         | 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-1A2AAA-P1         Printer Model :       No Printer Detected         Printer Driver :       HP LaserJet 2000 |
|---------|--|
|         | Network Printer Name : HP LaserJet 2000 at //dlink-1A2AAA/dlk-1A2AAA.P1         Use this printer as the default printer for W indows-based programs.  <                  |
| Sile Ec | rs and Faxes   |
| G Bar   | :k 🔹 🕥 - 🍺 🔎 Search 🕞 Folders 🛄 -  |
| Printe  | Printers and Faxes   |
| See Al  | 50 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×  |

When the following window shows up, you may do print test by clicking **Print Test Page** button to check if you can do printing normally. If yes, click **OK** button to close the **D-Link Add Printer Wizard** dialogue screen.

| Add a Network Printer Network Printer is Ready  | ×      |
|---|--------|
| Congratulations!<br>You have completed the installation process and should now be able to print. If you<br>did not make a note earlier, please take some time now to write down and remember<br>the network printer name.<br>HP LaserJet 2000 at //dlink-1A2AAA/dlk-1A2AAA-P1 | )<br>I |
|   |        |
| To exit the installation click 'FINISH', or to print a test page click 'PRINT TEST<br>PAGE'.<br>PS-Wizard   |        |
| Test page print successfully!   |        |
| ок  |        |
| Finish Print Test P   | age    |

If yes, then click  $\ensuremath{\textit{Finish}}$  button to exit the installation window and now you may

start your printing tasks.

| Add a Network Printer Network Printer is Ready  | ×  |
|---|----|
| Congratulations!<br>You have completed the installation process and should now be able to print. If you<br>did not make a note earlier, please take some time now to write down and remember<br>the network printer name. |    |
| HP LaserJet 2000 at //dlink-1A2AAA/dlk-1A2AAA-P1  |    |
| To exit the installation click 'FINISH', or to print a test page click 'PRINT TEST PAGE'.   |    |
| 2   |    |
| Finish Print Test Pa  | ge |

### ADVANCED > Advanced LAN

The **Advanced LAN** screen allows you to further network setting of print server, while you are recommended better not to change the settings unless instructed to modify the setting by your network administrator. The **Advanced LAN** screen contains these fields: **TCP/IP**, **Microsoft Network**, and **AppleTalk**.

| Product: DP-301P+   |   |  |  |  |        | Firmware Version: 3.70   |
|---|---|--|--|--|--------|--|
| D-Lini  | ¢   |  |  |  |        | $\prec$  |
| DP-301P+ ///  | Setup   | Advanced   | Mainten  | ance   | Status | Help   |
| Advanced LAN<br>User Access<br>E-Mail Notification<br>SNMP<br>Printer<br>Off line<br>Reboot | Mac Bonjou<br>Seco<br>MICROSOFT NETW<br>APPLETALK | any of the following s<br>erver Address : : :<br>UPnP : (<br>r/Rendezvous : (<br>ond HTTP Port : (<br>Workgroup :<br>UPnField Zone :<br>LPT : (<br>F | 1. 0.0.0.0 2. 0.0.0.0 3 Enable O Disable 9 Enable O Disable 9 Enable O Disable 9 Orn Number : 0 (For Remote Web Co WORKGROUP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | nfiguration<br>: dlk-1.<br>: Laser<br>: Leve |        | Helpful Hints<br>TCP/IP:<br>If you are using e-mail<br>printing or e-mail<br>notification, you will need<br>to setup the DNS Server<br>Address. Only if your<br>network has a DNS Server<br>setup should you enter the<br>address into the DNS<br>Server Address box,<br>otherwise leave it as<br>0.0.0.0.<br>UPnP allows your print<br>server to be discoverable<br>on the network.<br>Mac Bonjour/Rendezvous<br>allows your print server to<br>be discoverable on an<br>Apple Mac network. |
| PRINT SERV  | ′ER   |  |  |  |        |  |

### TCP/IP

This field contains four options that allow you to configure the TCP/IP setting:

DNS Server Address, UPnP, Mac Bonjour/Rendezvous, and Second HTTP Port.

- **UPnP**: This option allows you to enable or disable UPnP function.
- Mac Bonjour/Rendezvous: This option allows you to enable or disable Mac Bonjour/Rendezvous function.
- Second HTTP Port: This option allows you to enable or disable 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 in this field.

### AppleTalk

Enter the AppleTalk Zone name in the box. In the following options, enter the related configuration, such as the printer type.

<u>Chooser Name</u>: Display the print server's port name.

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

PostScript Level: Select from the pull-down menu (Level 1 or Level 2).

Font Group: Select from the pull-down menu.

Once you have changed the settings in each option, click Apply Settings to store the settings, or Cancel to abandon.

# **ADVANCED > User Access**

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

| Product: DP-301P+  |  |                        |   |                               | Firmware Version: 3.70   |
|--|--|------------------------|---|-------------------------------|--|
| D-Lini   | K  |                        |   |                               | $\prec$  |
| DP-301P+   | Setup  | Advanced               | Maintenance                                     | Status                        | Help   |
| Advanced LAN<br>User Access<br>E-Mail Notification<br>SNMP | USER ACCESS<br>This section allows you<br>the print server.<br>Enable Authorised | I User List : • Yes C  |   | are allowed access to         | Helpful Hints<br>User Access:<br>This section allows you to<br>build and maintain an<br>authorised list of users<br>that are allowed access to<br>the print server.<br>Authorised Users:<br>You can add/delete the<br>user(c) to/from the User<br>List. The User List at the |
| Reboot   | Add User : PC Desi   | Idress : 00 80 C8 A1B2 | (optional)<br>C3 (Example : OC<br>dd MAC Addres | 1 80 C8 A1 B2 C3)<br>s Delete | List. The User List at the<br>bottom of the screen<br>displays the current<br>defined user and related<br>information for the print<br>server.   |
|  | 1  | PC Description         | 00 80 C8 A1 B2 C3                               |                               |  |
|  | 2  | De                     | 00 C3 00 B2 C8 A1                               |                               |  |
| PRINT SERV   | /ER  |                        |   | ,                             |  |

#### **User Access**

By configuring the **Enable Authorised User List** option (**Yes**), the user in the User List is permitted to access the print server. Any user who is not added in the User List will not be allowed to access the print server. Once you have changed the settings in each option, click Apply Settings to store the settings, or Cancel to abandon.

#### 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 current defined user and related information for the print server.

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

The **E-Mail Notification** screen allows you to assign an E-mail address to the print server, so that your mail of the account can be printed out directly through the printer (ASCII text only). This screen also allow you choose where to send an email when the printer status changes.

| Product: DP-301P+   |                           |                             |   |                         | Firmware Version: 3.70   |
|---------------------|---------------------------|-----------------------------|---|-------------------------|--|
|                     |                           |                             |   |                         |  |
| <b>D-Lin</b>        | <                         |                             |   |                         |  |
|                     |                           |                             |   |                         |  |
| DP-301P+ //         | Setup                     | Advanced                    | Maintenance   | Status                  | Help   |
| Advanced LAN        | E-MAIL                    |                             |   |                         | Helpful Hints  |
| User Access         |                           |                             | an email when the printer :<br>mail, and also the email acc |                         | Enable E-mail<br>Notification:   |
| E-Mail Notification | the print server will use |                             | mail, and abo the email acc                                 | ount settings which     | You can set the print<br>server to send an alert<br>message when the printer       |
| SNMP                | ENABLE E-MAIL NO          | DTIFICATION                 |   |                         | status changes through E-<br>mail. To enable this                                  |
| Printer             | En                        | able e-mail notification    | : OYes  No  |                         | function, set the Enable<br>e-mail notification                                    |
| <u>Off line</u>     | Dest                      | tination e-mail Address     |   |                         | option to <b>Yes</b> . Then, input<br>the administrator's E-mail<br>address in the |
| Reboot              |                           |                             | (Use ';' to separate mu                                     | Iltiple e-mail address) | Destination e-mail<br>Address box.   |
|                     |                           | Apply Settin                | gs Cancel   |                         | E-mail Account Details:  |
|                     |                           | n e-mail to Destination add | iress.  |                         | You can assign an E-mail<br>address to the print                                   |
|                     | Do you want to test a     | an e-mail account?          | 1050  |                         | server, so that you can<br>send an alert message                                   |
|                     | E-MAIL ACCOUNT            | DETAILS                     |   |                         | when the printer status<br>changes through SMTP                                    |
|                     | Print                     | t Server E-mail Address     | :   |                         | server.<br>E-mail Printing:  |
|                     | Incoming E-mail           | (POP3) Server Address       | :   |                         | E-mail Printing (ASCII Text<br>Only) : Select <i>Enable</i> to                     |
|                     | Outgoing E-mail           | (SMTP) Server Address       | :   |                         | enable the E-mail printing<br>function.  |
|                     | E-mail                    | Account (POP3) Name         | :   |                         |  |
|                     | E-mail Acc                | ount (POP3) Password        | :   |                         |  |
|                     |                           | Apply Settin                | gs Cancel   |                         |  |
|                     | E-MAIL PRINTING           |                             |   |                         |  |
|                     | E-mail Prir               | iting (ASCII Text Only)     | : OEnable ODisable  |                         |  |
|                     |                           | Check E-mail Interval       | : 15 (minut   | es)                     |  |
|                     |                           | Apply Settin                |   |                         |  |
|                     |                           | - Abbiy Secon               |   |                         |  |
|                     |                           |                             |   |                         |  |
| PRINT SERV          | /ER                       |                             |   |                         |  |

#### Enable E-mail Notification

You can set the print server to send an alert message when the printer status changes through E-mail. To enable this function, set the **Enable e-mail notification** option to Yes. Then, input the administrator's E-mail address in the **Destination e-mail Address** field.

#### E-mail Account Details

You can assign an E-mail address to the print server, so that your mail of the account can be printed out directly through the printer (ASCII text only). To enable this function, enter the E-mail account in the **Print Server E-mail Address** field. Then enter the server address, used to receive your E-mail here, in the Incoming E-mail (POP3) Server Address field. For **outgoing E-mail (SMTP) Server Address** field, enter the server address that is used to send your E-mail here. If your mail server needs to verify the user when sending E-mail, Print Server will apply the **E-mail Account (POP3) Name** and **E-mail Account (POP3) Password** to the mail server.

#### E-mail Printing

This section is for you to do E-mail Printing configuration, including:

<u>E-mail Printing (ASCII Text Only)</u>: Allows you to enable or disable the E-mail printing.

<u>Check E-mail Interval</u>: Allow you to set up a time interval in minute in order to check/receive E-mail periodically.

After done the configuration, click Apply Settings to restore the new configuration, or Cancel to abandon.

# ADVANCED > SNMP

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

#### **SNMP Management**

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

| Product: DP-301P+   |                |   |                   |        | Firmware Version: 3.70  |
|---|----------------|---|-------------------|--------|---|
| D-Lini  | K              |   |                   |        | $\prec$   |
| DP-301P+  | Setup          | Advanced  | Maintenance       | Status | Help  |
| Advanced LAN<br>User Access<br>E-Mail Notification<br>SNMP<br>Coff line<br>Reboot | SNMP MANAGEMEN | Access Right : Read<br>hunity 2 Name : Access Right : Read<br>hunity 2 Name : Read<br>hunity 3 Name : | Write V<br>Only V |        | Helpful Hints<br>SNMP Management:<br>SNMP (Simple Network<br>Management Protocol) is a<br>set of protocols for<br>managing complex<br>networks. |
| PRINT SERV  | /ER            |   |                   |        |   |

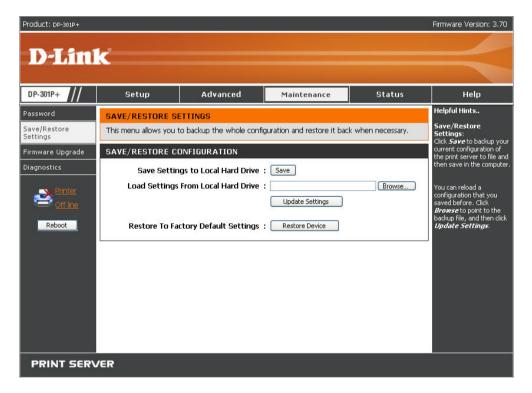
### MAINTENANCE > Password

The **Password** screen allows you to change the password of the print server by entering the current password in **Current Password** field and new password in **New Password** and **Confirm Password** fields. After done the configuration, click Apply Settings to enable and restore the new password, or Cancel to abandon. Be aware that the default password of the print server is blank.

| Product: DP-301P+   |   |          |                                  |              | Firmware Version: 3.70  |
|---|---|----------|----------------------------------|--------------|---|
| D-Lini  | Č   |          |                                  |              | $\prec$   |
| DP-301P+ //   | Setup   | Advanced | Maintenance                      | Status       | Help  |
| Password<br>Save/Restore<br>Settings<br>Firmware Upgrade<br>Diagnostics<br>Offing<br>Reboot | SET PASSWORD (<br>To change the print se<br>password twice. |          | e in the current password, Admin | then the new | Helpful Hints<br>Set Password:<br>Click Apply Settings to<br>set new password . |
| PRINT SERV  | 'ER   |          |                                  |              |   |

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

The **Save/Restore Settings** screen not only allows you to save the current configuration in a computer for backup by clicking Save, but also allows you to reload a configuration that you saved before by clicking Browse to direct to the backup file, and then clicking Update Settings for reloading. Beside, you are also allowed to return the print server to the default settings by clicking Restore Device.



## MAINTENANCE > Firmware Upgrade

The **Firmware Upgrade** screen displays you the current firmware's information of the print server, and also allows you to upgrade the firmware of the print server when a new version of firmware is available.

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

| Product: DP-301P+  |  |   |  |   | Firmware Version: 3.70  |
|--|--|---|--|---|---|
| D-Lini   | K  |   |  |   | $\prec$   |
| DP-301P+   | Setup  | Advanced  | Maintenance  | Status                                    | Help  |
| Password<br>Save/Restore<br>Settings<br>Firmware Upgrade<br>Diagnostics<br>Off Inc<br>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 Mare Version : Release Date : NDE Release Seset the cc deb, be sure to save the Restore Settings screen ware, enter the name o rade : | his print server unless instru<br>3.70<br>2007-10-16<br>infiguration options to factor<br>current configuration from t<br>of the firmware upgrade file,<br>Brows<br>bgrade | y defaults. Before<br>he<br>and click the | Helpful Hints<br>Firmware Upgrade:<br>when a new version of<br>firmware is available (e.g.<br>downloading from the D-<br>Link website), you can<br>upgrade the firmware of<br>your print server. Click<br>Browse to point to the<br>firmware file, and then click<br>Upgrade. |
| PRINT SERV   | /ER  |   |  |   |   |

# **MAINTENANCE > Diagnostics**

The Diagnostics screen allows you to test the printing for LPT port of the print

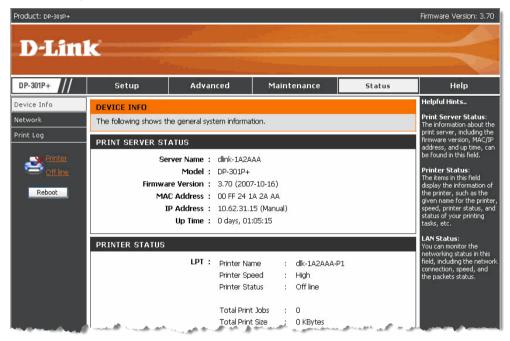
server. After done the port selection, click Print Test Page to print a test page.



# STATUS > Device Info

The Device Info screen displays the status of your print server, printer, and

network for your reference.



| for the second |                                |                          | and a second second |
|--|--------------------------------|--------------------------|---------------------|
|  | Printing Status :              | Idle                     |                     |
|  | Name :                         | - 1000 1007              |                     |
|  | MAC :                          |                          |                     |
|  | IP :                           |                          |                     |
|  | Protocol :                     |                          |                     |
|  | Spooling Size :                | 0 Bytes                  |                     |
|  | Printing Size :                |                          |                     |
|  | And the state of the second of | San da Angelennaz.<br>Da |                     |
| LAN STATUS   |                                |                          |                     |
| Link :   | Yes                            |                          |                     |
| Speed :  | 100 Mbps                       |                          |                     |
| Full Duplex :  | Yes                            |                          |                     |
| (**  |                                |                          |                     |
| Tx Packets :   | 1981                           |                          |                     |
| Tx Errors :  | 0                              |                          |                     |
| Rx Packets :   | 77146                          |                          |                     |
| Rx Errors :  | 0                              |                          |                     |
|  |                                | -                        |                     |
|  | Refresh                        |                          |                     |
|  |                                |                          |                     |
| PRINT SERVER   |                                |                          |                     |

### Print Server Status

This field displays the information of the print server about the firmware version, MAC/IP address, and up time.

### **Printer Status**

The items in this field display the information of the printer, such as the given name for the printer, speed, printer status, and status of your printing tasks, etc.

### LAN Status

You can monitor the networking status in this field, including the network connection, speed, and the packets status.

# STATUS > Network

The Network screen displays the general Network status of your print 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 field are configured in **Advanced** 

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

### **TCP/IP Printing**

In this field, you can monitor the status of your printing tasks through TCP/IP.

### **Microsoft Network Printing**

In this field, you can monitor the status of your printing tasks through Microsoft Network.

### Mac AppleTalk Printing

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

| 01P+ ///  | Setup               | Advanced                 | Maintenar                            | ice                    | Status | Help   |
|-----------|---------------------|--------------------------|--------------------------------------|------------------------|--------|--|
| e Info    | NETWORK STATU       | IS                       |                                      |                        |        | Helpful Hints  |
| ork       | The following shows | the general networking s | tatus.                               |                        |        | Auto IP:<br>This field contains th<br>current settings of T    |
| .og       | AUTO IP             |                          |                                      |                        |        | including DHCP/BOC   |
| X Printer |                     | DHCP/BOOTP :             | Disable (IP : 0.0.                   | 0.0)                   |        | UPnP, and Mac<br>Bonjour/Rendezvous<br>items in this field are |
| Off line  |                     | UPnP :                   |                                      |                        |        | configured in <u>Advar</u><br><u>&gt; Advanced LAN</u>         |
| Reboot    | Mac B               | onjour/Rendezvous :      | Enable (IP : 10.6                    | 52.31.15)              |        | <u>TCP/IP</u> .  |
|           | TCP/IP PRINTIN      | 6                        |                                      |                        |        | TCP/IP Printing:<br>In this field, you car                     |
|           |                     | LPR Printing :           | Status                               | : Running              |        | monitor the status o<br>printing tasks throug<br>TCP/IP.       |
|           |                     |                          | Total Print Jobs                     | : 0                    |        | Microsoft Networ   |
|           |                     |                          | Total Print Size                     | : O KBytes             |        | Printing:<br>In this field, you car                            |
|           |                     | Port (9100) Printing:    | Status<br>Total Print Jobs           | : Running<br>: O       |        | monitor the status o<br>printing tasks throug                  |
|           |                     |                          | Total Print Size                     | : 0 KBytes             |        | Microsoft Network.   |
|           |                     | <b>IPP Printing</b> :    | Status                               | : Running              |        | Mac AppleTalk<br>Printing:<br>In this field, you car           |
|           |                     |                          | Total Print Jobs                     | : 0                    |        | monitor the status o   |
|           |                     | FTP Printing :           | Total Print Size                     | : O KBytes             |        | printing tasks throu<br>AppleTalk.                             |
|           |                     | FIP Plinding .           | Status<br>Total Print Jobs           | : Running<br>: O       |        | 0.5541   |
|           |                     |                          | Total Print Size                     | : O KBytes             |        |  |
|           | MICROSOFT NET       | WORK PRINTING            |                                      |                        |        |  |
|           | SMB (Ov             | er NetBEUI) Printing:    | Status                               | : Running              |        |  |
|           |                     |                          | Total Print Jobs<br>Total Print Size | : 0<br>: 0 KBytes      |        |  |
|           | SME                 | (Over NBT) Printing :    | Status                               | : OKBytes<br>: Running |        |  |
|           |                     |                          | Total Print Jobs                     | : 0                    |        |  |
|           |                     |                          | Total Print Size                     | : O KBytes             |        |  |
|           | MAC APPLETALK       | PRINTING                 |                                      |                        |        |  |
|           |                     | AppleTalk Printing :     | Status                               | : Running              |        |  |
|           |                     |                          | Total Print Jobs                     | : 0                    |        |  |
|           |                     |                          | Total Print Size                     | : O KBytes             |        |  |

#### STATUS >Print Log

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

#### Print Log

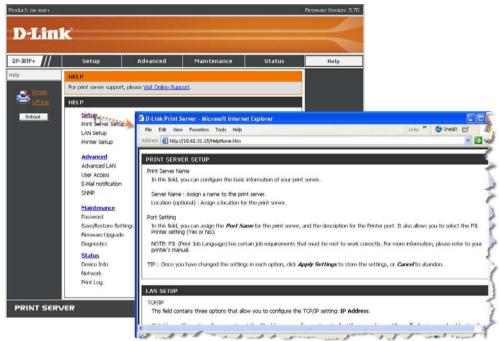
The items in this field display the user(s) information, which include the user(s) MAC address, IP address, name, and status of printing tasks.

| Product: DP-301P+ |                        |                           |                   |                   | Firmware Version: 3.70  |
|-------------------|------------------------|---------------------------|-------------------|-------------------|---|
|                   |                        |                           |                   |                   |   |
| <b>D-Lin</b>      | K                      |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
| DP-301P+          | 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:<br>The items in this field                                      |
| Print Log         | PRINTING LOG           |                           |                   |                   | display the user(s)<br>information, which include<br>the user(s) MAC address, |
|                   | MAC                    | IP                        | Name              | Jobs Size(KBytes) | IP address, name, and status of printing tasks.                               |
| Off line          |                        |                           |                   |                   |   |
| Reboot            |                        | Re                        | fresh             |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
|                   |                        |                           |                   |                   |   |
| PRINT SERV        | /ER                    |                           |                   |                   |   |

### HELP

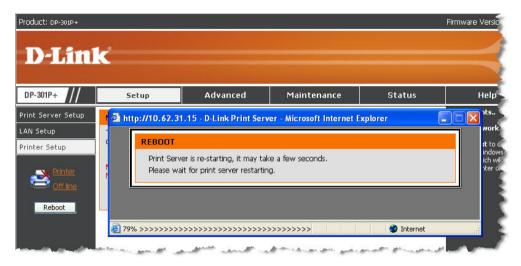
The Help screen provides you brief information about the print server for your

reference.



# Reboot

If you want to reset the print server, you may just click the Reboot for restarting.



# **Refresh Printer Status**

Click Printer to refresh printer status.

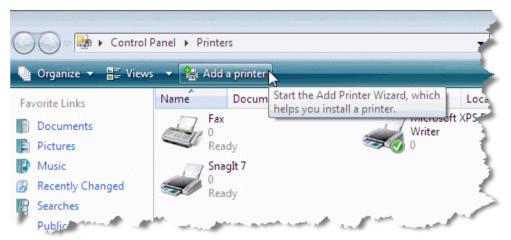


# **TCP/IP Printing for Windows Vista**

#### Go to Start → Control Panel → Printers.

| Internet<br>Internet Explorer |                  |
|-------------------------------|------------------|
| E-mail<br>Windows Mail        | admin            |
| Welcome Center                | Documents        |
| Windows Ultimate Extras       | Pictures         |
| Y Paint                       | Games            |
| Windows Update                | Search           |
| Command Prompt                | Recent Items     |
| Windows Media Player          | Computer         |
| 🧐 Windows Media Center        | Network          |
| Windows Meeting Space         | Connect To       |
| Windows DVD Maker             | Control Panel    |
|                               | Default Programs |
| All Programs                  | Help and Support |
| Start Search                  |                  |

Click Add a printer.



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

| (j) 🖨 | Add Printer   |
|-------|---|
| Cho   | oose a local or network printer   |
| •     | Add a local printer<br>Use this option only if you don't have a USB printer. (Windows automatically<br>installs USB printers when you plug them in.)                  |
| •     | Add a network, wireless or Bluetooth printer<br>Make sure that your computer is connected to the network, or that your Bluetooth<br>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**.

|            |   |  | ×  |
|------------|---|--|----|
| $\bigcirc$ | 🖶 Add Printer                               |  |    |
|            | Choose a printer port                       |  |    |
|            | A printer port is a type of conner printer. | ction that allows your computer to exchange information with a |    |
|            | Use an existing port:                       | LPT1: (Printer Port)   | -  |
|            | Oreate a new port:                          |  |    |
|            | Type of port:                               | Standard TCP/IP Port   | -  |
|            |   | Local Port<br>Standard TCP/IP Port                             |    |
|            |   | h2   |    |
|            |   |  |    |
|            |   |  |    |
|            |   |  |    |
|            |   |  |    |
|            |   | Next Canc  | el |

Type the IP address of the print server (e.g. 10.62.31.15 used in this manual), which can be referred from the **PRINTER SERVER STATUS** of the print server's Web configuration, and then the Port Name will automatically be filled in. Click **Next** 

| 🚱 👼 Add Printer             |                                    |
|-----------------------------|------------------------------------|
| Type a printer hostna       | me 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 autor | matically select the driver to use |
|                             |                                    |
|                             |                                    |
|                             |                                    |
|                             |                                    |
|                             | Next Cancel                        |

| Product: DP-301P+ | 1_2   |                        |                          |                   | Firmware Version   |
|-------------------|---|------------------------|--------------------------|-------------------|--|
|                   |   |                        |                          |                   |  |
| DP-301P+          | Setup   | Advanced               | Maintenance              | Status            | Help   |
| Device Info       | DEVICE INFO   |                        |                          |                   | Helpful Hints  |
| Network           | The following shows the general system information. |                        |                          |                   | Print Server Sta<br>The information ab                           |
| Print Log         | PRINT SERVER ST                                     | ATUS                   |                          |                   | print server, includ<br>firmware version,<br>address, and up tir |
| Printer           | Se  | rver Name : dlink-1A2/ | AAA                      |                   | be found in this fier  |
| Off line          |   | Model : DP-301P+       |                          |                   | Printer Status:<br>The items in this fig                         |
| 7. <b></b> 7      | Firmwa  | re Version : 3.70 (200 | 07-10-16)                |                   | display the informa  |
| Reboot            | MA  | C Address : 00 FF 24   | 1A 2A AA                 |                   | the printer, such a<br>given name for the                        |
|                   | 1   | P Address : 10.62.31.  | <mark>15</mark> (Manual) |                   | speed, printer stat  |
|                   | ll a server a                                       | Up Time : 0 days, 0:   | 1:05:15                  | المنامين والمساجر | status of your prin<br>tasks, etc.                               |

Select Custom and click Settings.

|   | ort Information Required               |   |
|---|--|---|
| The device is no  | ot found on the network. Be sure that: |   |
| <ol> <li>The address</li> <li>If you think the a<br/>the address and</li> </ol> |  |   |
| select the device   |  |   |
| Device Type   | 5                                      | 0 |
|   | Generic Network Card                   | * |

Then the follow screen will shows up, select LPR from the Protocol field. Then enter the Queue Name, which can be referred from PRINTER STATUS of the print server's Web configuration, in the LPR Settings field. Click OK.

| ort Settings             |         |             |
|--------------------------|---------|-------------|
| Port Name:               |         | 10.62.31.15 |
| Printer Name or IP Addre | ess:    | 10.62.31.15 |
| Protocol                 |         |             |
| © <u>R</u> aw            |         | ● LPR       |
| Raw Settings             |         |             |
| Port Number:             | 9100    | D           |
| LPR Settings             |         |             |
| Queue Name:              | dlk-1   | 1A2AAA-P1   |
| LPR Byte Counting        | Enabled | d           |
| SNMP Status Enab         | oled    |             |
| Community Name:          | public  | ic          |
| SNMP Device Index        | 1       |             |
|                          | Ľ       |             |

| D-Lin        | 1 <b>k</b>          |  |             |        |  |
|--------------|---------------------|--|-------------|--------|--|
| DP-301P+ /// | Setup               | Advanced   | Maintenance | Status | Help   |
| evice Info   | DEVICE INFO         |  |             |        | Helpful Hints  |
| etwork       | The following show: | s the general system informa   | tion.       |        | Print Server Status:<br>The information about th   |
| rint Log     | - PRINT SERVER      | Server Name : dlink-1A2A   | AA          |        | print server, including th<br>firmware version, MAC/I<br>address, and up time, ca<br>be found in this field.<br>Printer Status:            |
| Coff line    |                     | Model : DP-301P+<br>ware Version : 3.70 (200)<br>IAC Address : 00 FF 24 1<br>IP Address : 10.62.31.1 | A 2A AA     |        | The items in this field<br>display the information of<br>the printer, such as the<br>given name for the print<br>speed, printer status, ai |
|              |                     | Up Time : 0 days, 01   |             |        | status of your printing tasks, etc.  |
|              | PRINTER STATU       | S  |             |        | LAN Status:<br>You can monitor the   |
|              |                     | LPT : Printer Na<br>Printer Sp<br>Printer Sta  | eed : High  |        | networking status in this<br>field, including the netwo<br>connection, speed, and<br>the packets status.                                   |
|              |                     | Total Print  | tJobs : O   |        |  |

Highlight the printer, as shown. If the desired 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   |
|---|
| Install the printer driver  |
| 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 compatible printer software.  |
| Manufacturer       Printers         Generic       HP LaserJet 4/4M PS         Gestetner       HP LaserJet 4/4M PS (300 dpi)         HP       HP LaserJet 4000 Series PCL 5  |
| IBM     IBM |
| Next Cancel   |

#### Click Next.

| 0 | 🖶 Add Printer            |  |     |
|---|--------------------------|--|-----|
|   | Type a printer           | name   |     |
|   | Printer name:            | HP Laser Jet 4000 Series PCL 5                         |     |
|   |                          | Set as the default printer                             | _   |
|   | This printer will be ins | stalled with the HP LaserJet 4000 Series PCL 5 driver. |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          |  |     |
|   |                          | Next Can   | cel |

After clicked **Print a test page**, a small dialogue box will show up as below. Click **Close**.

| 6 | ھ (ج    | Add Printer   | <b>X</b>                         |
|---|---------|---|----------------------------------|
|   | You     | u've successfully added HP LaserJet 4000 Ser  | ies PCL 5                        |
|   | a tes   | ee if the printer is working correctly, or to see troubleshooting in<br>it page.<br>Print a test page   | formation for the printer, print |
| 1 | HP Lase | rJet 4000 Series PCL 5  |                                  |
|   | -       | A test page has been sent to your printer   |                                  |
|   |         | This test page briefly demonstrates the printer's ability<br>to print graphics and text, and it provides technical<br>information about the printer. Use the printer<br>troubleshooter if the test page does not print correctly. |                                  |
|   |         | Troubleshoot printer problems   | Finish Cancel                    |
|   |         | Close   |                                  |

#### Click Finish.

| Image: State Sta |
|--|
| 🌀 🖶 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<br>a test page.<br>Print a test page  |
| Finish   |

The printer is now ready for printing with Windows Vista on your network.

| Control             | Panel 🕨 Printers   | ✓ 4 Search  |
|---------------------|--|---|
| 🌗 Organize 👻 🚆 View | s 🔻 🐏 Add a printer 🖼 See what's   | printing   🐘 Select printing preferences 🍞  |
| Favorite Links      | Name Documents Status  | Comments Location Mode  |
| Documents           | Fax  | HP LaserJet 4000 Series PCL 5   |
| Pictures            | Ready  | Ready   |
| 🚯 Music             | Microsoft XPS Document   | SnagIt 7  |
| 🚱 Recently Changed  | Writer<br>0  | Ready   |
| B Searches          |  | - neady   |
| 📕 Public            | and a second sec | have a second |

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

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



When the following screen shows up, click Next.

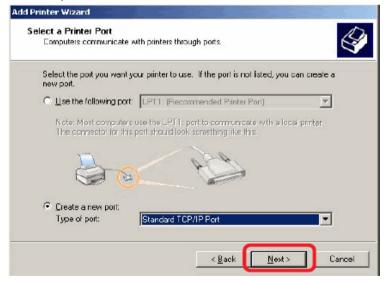


Select the first option, Local printer attached to this computer, and click Next.



Select the second option, Create a new port, and highlight Standard TCP/IP Port

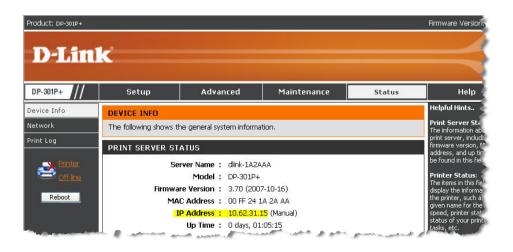
from the pull-down menu. Click Next.



Type the IP address of the print server (e.g. 10.62.31.15 used in this manual), which can be referred from the **PRINTER SERVER STATUS** of the print server's Web configuration, and then the Port Name will automatically be filled in. Click

| Add Port<br>For which device do you want | t to add a port?                                | 17 |
|--|---|----|
| Enter the Prinler Name or IP a           | ddress, and a port name for the desired device. |    |
| Printer Name or IP <u>A</u> ddress:      | 10.62.31.15                                     |    |
| Port Name:                               | IP_10.62.31.15                                  |    |
|  |   |    |
|  |   |    |
|  |   |    |
|  |   |    |
|  |   |    |

. .



### Select Custom and click Settings.

|                    | t Information Required<br>could not be identified.             |                           | No.               |
|--------------------|--|---------------------------|-------------------|
| 1. The device is   | vice is of unknown type. Be s<br>properly configured           |                           |                   |
| Either correct the | on the previous page is correct<br>address and perform another | search on the network I   |                   |
| previous wizard p  | age or select the device type                                  | if you are sure the addre | tomos is correct. |
|                    |  |                           |                   |
|                    |  | ,                         |                   |
| Device Type        |  |                           |                   |
| Device Type        | Generic Network Card   |                           | <u></u>           |
| Device Type        |  |                           | <u></u>           |

Then the follow screen will shows up, select LPR from the Protocol field. Then enter the Queue Name, which can be referred from PRINTER STATUS of the print server's Web configuration, in the LPR Settings field. Click OK.

| Configure Standard T(    | CP/IP P | Port Monitor   | ?      |
|--------------------------|---------|----------------|--------|
| Port Settings            |         |                |        |
| Port Name:               |         | IP_10.62.31.15 |        |
| Printer Name or IP Addre | \$\$:   | 10.62.31.15    |        |
| Protocol<br>Raw          | _       | (⊙ LPR         |        |
| Raw Settings             |         |                |        |
| Port Number:             | 515     |                |        |
| LPR Settings             |         |                |        |
| Queue Name:              | dlk-17  | A2AAA-P1       |        |
| LPR Byte Counting        | Enabled | l              |        |
| SNMP Status Enab         | led     |                |        |
| Community Name:          | public  |                |        |
| SNMP Device Index:       | 1       |                |        |
| ł                        | 1       |                |        |
|                          |         | ОК             | Cancel |

| Product: DP-301P+   |                        |   |                   |         | Firmware Version: 3.70   |
|---------------------|------------------------|---|-------------------|---------|--|
| D-Linl              | ¢                      |   |                   |         | =  |
| DP-301P+ ///        | Setup                  | Advanced  | Maintenance       | Status  | Help   |
| Device Info         | DEVICE INFO            |   |                   |         | Helpful Hints  |
| Network             | The following shows th | ne general system informa                         | tion.             |         | Print Server Status:<br>The information about the                                    |
| Print Log           | PRINT SERVER ST        | ATUS  |                   |         | print server, including the<br>firmware version, MAC/IP<br>address, and up time, can |
|                     | Se                     | r <b>ver Name :</b> dlink-1A2A                    | AA                |         | be found in this field.  |
| Off line            |                        | Model : DP-301P+                                  |                   |         | Printer Status:<br>The items in this field   |
| Reboot              |                        | re Version : 3.70 (200)<br>C Address : 00 FF 24 1 |                   |         | display the information of<br>the printer, such as the                               |
|                     |                        | P Address : 10.62.31.1                            |                   |         | given name for the printer,<br>speed, printer status, and                            |
|                     |                        | Up Time : 0 days, 01                              | :05:15            |         | status of your printing tasks, etc.  |
|                     | PRINTER STATUS         |   |                   |         | LAN Status:<br>You can monitor the   |
|                     |                        | LPT : Printer Na                                  | me : dlk-1A2AAA-F | 1       | networking status in this<br>field, including the network<br>connection, speed, and  |
|                     |                        | Printer Sp  |                   |         | the packets status.  |
|                     |                        | Printer Sta                                       | atus : Offline    |         |  |
|                     |                        | Total Print                                       | : Jobs : O        |         |  |
| الإير معادين ومحادث | and an and an          | Total Print                                       | : Size : O KBytes | a daman |  |

### Click Next.

| Add Standard T   | CP/IP Printer Port Wizard  |        |
|--|--|--------|
|  | rt Information Required<br>could not be identified.  |        |
| <ol> <li>The device is</li> <li>The address</li> <li>Either correct the</li> </ol> | evice is of unknown type. Be sure that:<br>properly configured.<br>on the previous page is correct.<br>e address and perform another search on the network by returning t<br>page or select the device type if you are sure the address is correct |        |
| Device Type  |  |        |
| O Standard   | Generic Network Card   | 4      |
| Custom   | Settings   |        |
|  | < Back Next >  | Cancel |

### Click Finish.

| Add Standard TCP/IP Prin | ter Port Wiz  | ard  | × |
|--------------------------|---------------|--|---|
|                          | TCP/IP        | ting the Add Standard<br>Printer Port Wizard<br>ected a port with the following characteristics. |   |
|                          | SNMP:         | No   |   |
|                          | Protocol:     | LPR, dk-1A2AAA-P1  |   |
| 6.0                      | Device:       | 10.62.31.15  |   |
| All and a second second  | Port Name:    | IP_10.62.31.15   |   |
|                          | Adapter Type  |  |   |
|                          | To complete t | his wizard, click Finish.  |   |
|                          |               | < Back Finish Cance  |   |

Highlight the printer, as shown. If the desired 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

| Install Printer Softwa<br>The manufacturer a |                           | determine which printer software to use.   |
|--|---------------------------|--|
|  | )isk. If you              | d model of your printer. If your printer came with an installation<br>Ir printer is not listed, consult your printer documentation for |
| Manufacturer                                 |                           | Printers   |
| Fujitsu<br>GCC                               |                           | ₩ HP LaserJet 3200 Series PCL<br>₩ HP LaserJet 3200 Series PS  |
| Generic<br>Gestetner                         |                           | 🖼 HP LaserJet 4  |
|  |                           | W HP LaserJet 4000 Series PCL  |
| HP   |                           | E UD Loose Lat 4000 Carias DCLC  |
| НР<br>IDM                                    |                           |  |
|  | Transition and the second | <u>Windows Update</u> <u>H</u> ave Disk  |

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

| Add Printer Wizard   |   |
|--|---|
| Name Your Printer<br>You must assign a name to this printer. |   |
|  | e programs do not support printer and server<br>acters, it is best to keep the name as short as |
| HP LaserJet  |   |
| Do you want to use this printer as the def. ${ullet}$        | ault printer?   |
| C No   |   |
|  |   |
|  |   |
|  | <back next=""> Cancel</back>  |
|  |   |

Select Yes to print a test page, click Next.

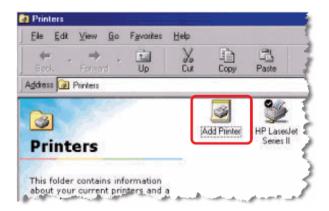
| Add Printer Wizard   |                  |                 |        |
|--|------------------|-----------------|--------|
| Print Test Page<br>To confirm that the printer is installed proper | ly. you can prin | nt a test page. |        |
| Do you want to print a test page?                                  |                  |                 |        |
| • Yes  |                  |                 |        |
| ⊙ N <u>o</u>   |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  |                  |                 |        |
|  | < <u>B</u> ack   | <u>N</u> ext >  | Cancel |

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

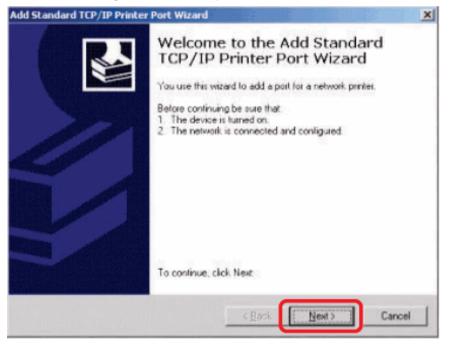
| Add Printer Wizard    |                  |  |
|-----------------------|------------------|--|
|                       | Wizard           | ting the Add Printer<br>cessfully completed the Add Plinter Wizard.<br>the following printer settings: |
|                       | Name:            | HP LaserJet  |
|                       | Share name:      | <not shared=""></not>  |
|                       | Port:            | IP_10.62.31.15   |
|                       | Model:           | HP LaserJet 4000 Series PCL  |
| and the second second | Default:         | No   |
|                       | Test page:       | No   |
|                       | To close this :  | wizard, click Finish.  |
|                       | TO CIUSE (FIIS ) |  |
|                       |                  | < Back Finish Cancel   |

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

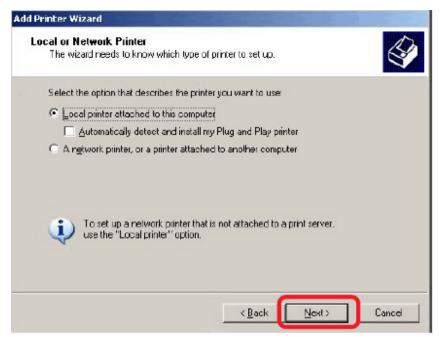
Go to Start → Settings → Printers and Faxes → Add a Printer.



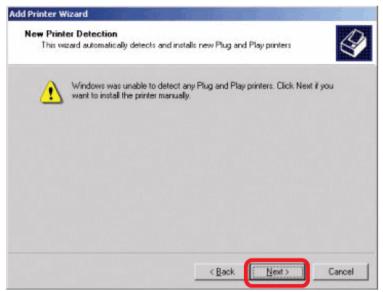
When the following screen shows up, click Next.



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



#### Click Next.

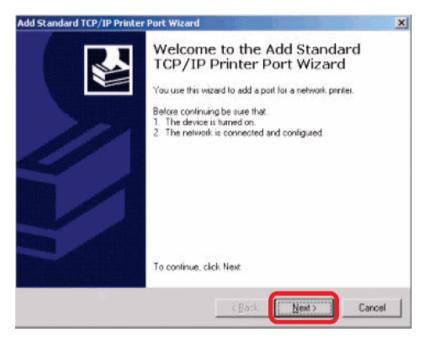


Select the second option,  $\ensuremath{\textit{Create}}$  a new port, and highlight  $\ensuremath{\textit{Standard}}\xspace$  TCP/IP Port

from the pull-down menu. Click Next.

| elect the port                                    | you want your printer b   | o use. If the part is not listed, you | u can create a |
|---|---|---------------------------------------|----------------|
| Use the fol                                       | lowing port   |                                       |                |
| Port  | Description   | Printer                               |                |
| LPT1:<br>LPT2:<br>LPT3:<br>COM1:<br>COM2:<br>COM3 | Printer Port<br>Printer Port<br>Printer Port<br>Serial Port<br>Serial Port<br>Serial Port |                                       |                |
| Note: Most  | computers use the LP  | T1: port to communicate with a k      | ocal printer.  |
| • <u>C</u> reate a re                             | ew port<br>Standard T   | and the second states and the         | din esta       |

### Click Next.



Type the IP address of the print server (e.g. 10.62.31.15 used in this manual), which can be checked from the **PRINTER SERVER STATUS** of the print server's Web configuration, and then the Port Name will automatically be filled in. Click

| Add Port<br>For which device do you want | t to add a port?                                | 1 |
|--|---|---|
| Enter the Printer Name or IP a           | ddress, and a port name for the desired device. |   |
| Printer Name or IP <u>A</u> ddress:      | 10.62.31.15                                     |   |
| Port Name:                               | IP_10.62.31.15                                  |   |
|  |   |   |
|  |   |   |
|  |   |   |
|  |   |   |

| Product: DP-301P+       |                 |  |             |                    | Firmware Version   |
|-------------------------|-----------------|--|-------------|--------------------|--|
| <b>D-Lin</b>            | k               |  |             |                    | =  |
| DP-301P+                | Setup           | Advanced                                       | Maintenance | Status             | Help   |
| Device Info<br>Network  | DEVICE INFO     | he general system inform                       | ation.      |                    | Helpful Hints<br>Print Server Sta  |
| Print Log               | PRINT SERVER ST |  |             |                    | The information ab<br>print server, includ<br>firmware version, i<br>address, and up tip |
| enter<br><u>Off Ine</u> | Se              | erver Name : dlink-1A2.<br>Model : DP-301P4    |             |                    | be found in this fiel<br><b>Printer Status</b> :<br>The items in this fie                |
| Reboot                  | MA              | re Version : 3.70 (200<br>C Address : 00 FF 24 | 1A 2A AA    |                    | display the informa<br>the printer, such a<br>given name for the                         |
| -                       |                 | (P Address : 10.62.31<br>Up Time : 0 days, 0   |             | ر المن مع المن الم | speed, printer stat<br>status of your print<br>tasks, etc.                               |

### Select Custom and click Settings.

| Either correct the address and perform another search on the network by returning to the   |                 | rt Information Required<br>could not be identified. |                                |
|--|-----------------|---|--------------------------------|
| 2. The address on the previous page is correct. Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.      Device Type     O Standard Generic Network Card |                 |   |                                |
| Device Type<br>O Standard Generic Network Card   |                 |   |                                |
| O Standard Generic Network Card  |                 |   |                                |
| O Standard Generic Network Card  | previous wizard | page or select the device type if you ar            | e sure the address is correct. |
| O Standard Generic Network Card  |                 |   |                                |
| O Standard Generic Network Card  |                 | -   |                                |
|  | Device Tree     |   |                                |
| Custom Settings  |                 |   |                                |
|  | O Standard      |   |                                |
|  | O Standard      | Genetic Network Card                                |                                |
|  | O Standard      | Genetic Network Card                                |                                |

Then the follow screen will shows up, select LPR from the **Protocol** field. Then enter the **Queue Name**, which can be referred from **PRINTER STATUS** of the print server's Web configuration, in the LPR Settings field. Click OK.

| onfigure Standard T(         | CP/IP Port Monitor | ?      |
|------------------------------|--------------------|--------|
| Port Settings                |                    |        |
| Port Name:                   | IP_10.62.31.15     |        |
| Printer Name or IP Addre     | \$\$: 10.62.31.15  |        |
| Protocol<br>Raw              | (⊙ LPR             |        |
| Raw Settings<br>Port Number: | 515                |        |
| LPR Settings<br>Queue Name:  | dlk-1A2AAA-P1      |        |
| LPR Byte Counting            | Enabled            |        |
| SNMP Status Enab             | led                |        |
| Community Name:              | public             |        |
| SNMP Device Index:           | 1                  |        |
|                              | ОК                 | Cancel |

| Product: DP-301P+                         |                         |   |   |        | Firmware Version: 3.70   |
|---|-------------------------|---|---|--------|--|
| D-Lin                                     | k                       |   |   |        | $\prec$  |
| DP-301P+                                  | Setup                   | Advanced  | Maintenance                               | Status | Help   |
| Device Info                               | DEVICE INFO             |   |   |        | Helpful Hints  |
| Network                                   | The following shows the | ne general system informa   | tion.                                     |        | Print Server Status:<br>The information about the  |
| Print Log<br>Printer<br>Offline<br>Reboot | Firmwa<br>MA            | ATUS<br>rver Name : dlink-1A2A<br>Model : DP-301P+<br>re Version : 3.70 (200<br>C Address : 00 FF 24 1<br>P Address : 10.62.31.<br>Up Time : 0 days, 01 | 7-10-16)<br>A 2A AA<br>L5 (Manual)        |        | prink server, including the<br>firmware version, MAC/IP<br>address, and up time, can<br>be found in this field.<br><b>Printer Status:</b><br>The Rems in this field<br>display the information of<br>the printer, such as the<br>given name for the printer,<br>speed, printer status, and<br>status of your printing<br>tasks, etc. |
|   | PRINTER STATUS          | LPT : Printer Na<br>Printer Sp<br>Printer St.<br>Total Print  | eed : High<br>atus : Offline<br>:Jobs : D | 1)     | An Status:<br>You can monitor the<br>networking status in this<br>field, including the network,<br>connection, speed, and<br>the packets status.   |

### Click Next.

|                   | t Information Required<br>could not be identified.              | 1                 |
|-------------------|---|-------------------|
|                   | ivice is of unknown type. Be sure that:<br>properly configured. |                   |
| 2. The address (  | on the previous page is correct.                                |                   |
|                   | e address and perform another search on the network             |                   |
| previous wizard ( | page or select the device type if you are sure the add          | iless is collect. |
| previous wizard p | page or select the device type if you are sure the add          | iless is collect. |
| previous wizard p | page or select the device type if you are sure the add          |                   |
| Device Type       | page or select the device (ype ir you are sure the add          | iess is conect.   |
|                   | page or select the device type if you are sure the add          |                   |
| Device Type       |   |                   |

### Click Finish.

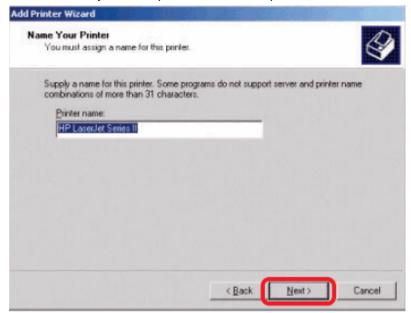
| Add Standard TCP/IP Prin | ter Port Wiz  | ard 🛛 🔀  |
|--------------------------|---|--|
|                          | TCP/IP  | ting the Add Standard<br>Printer Port Wizard<br>ected a port with the following characteristics. |
|                          | SNMP:<br>Protocol:<br>Device:<br>Port Name:<br>Adapter Type | No<br>LPR, dlk-1A2AAA-P1<br>10.62.31.15<br>IP_10.62.31.15  |
|                          | To complete   | this wizard, click Finish.   |
|                          |   | < Back Finish Cancel   |

Highlight the printer, as shown. If the desired 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<br>The manufacturer and model of   | determine which printer software to use.   |
|   | d model of your printer. If your printer came with an installation<br>ar printer is not listed, consult your printer documentation for   |
| Manufacturer<br>Fujitsu<br>GCC<br>Generic<br>Gestetner<br>HP<br>IDM<br>This driver is digitally signed.<br><u>Tell me why driver signing is imp</u> | Printers         Image: Printers |
|   | < <u>B</u> ack Next> Cancel  |

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



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

| e this printes with other network users.   |
|--|
| her you want this printer to be available to other users. If you share this<br>ust provide a share name. |
| are this printer   |
| HPLaserJ   |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
| < Rack Next > Cancel   |
|  |

Select Yes to print a test page, click **Next**.

| ld Printer Wizard   |                        |                |        |
|---|------------------------|----------------|--------|
| Print Test Page<br>To confirm that the printer is installed p | roperly. you can prinl | t a test page. |        |
| Do you want to print a test page?                             |                        |                |        |
| • Yes   |                        |                |        |
| ○ No  |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   |                        |                |        |
|   | < <u>B</u> ack         | <u>N</u> ext > | Cancel |

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

| Add Printer Wizard |  |
|--------------------|--|
| Comple<br>Wizard   | eting the Add Printer  |
|                    | uccessfully completed the Add Printer Wizard.<br>d the following printer settings: |
| Name:              | HP LaserJei  |
| Share name         |  |
| Port:              | IP_10.62.31.15   |
| Model:             | HP LaserJet 4000 Series PCL  |
| Default:           | No   |
| Test page:         | No   |
|                    |  |
| To close this      | s wizard, click Finish.  |
|                    | < Back Finsh Cancel  |

# **TCP/IP Printingfor Windows 98SE/ME**

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

| etwork  |                                |            | ?     |
|---|--------------------------------|------------|-------|
| Configuration   Identification  | Access Control                 | 1          |       |
| The following network comp  | onents are insta               | iled:      |       |
| Client for Microsoft Netv<br>Microsoft Family Logon<br>D-Link DWL-650 11Mbp<br>Dial-Up Adapter<br>TCP/IP -> D-Link DWL-<br>TCP/IP -> Dial-Up Adap | os WLAN Adapt<br>650 11Mbps WI |            | *     |
| Add   | Remove                         | Propertier |       |
| Microsoft Family Logon  |                                |            | *     |
| Elle and Print Sharing  |                                |            |       |
| Description   |                                |            |       |
|   |                                | к с        | ancel |

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

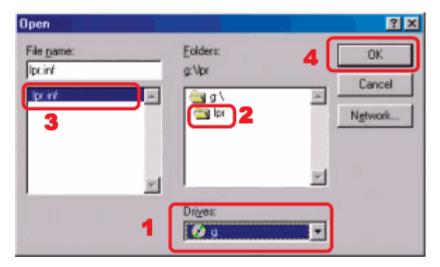
| Select Network Component Type                                    | ? X    |
|--|--------|
| Click the type of network component you want to instal           | :      |
| Adapter  | Add    |
| Protocol<br>Service  | Cancel |
| A client enables your computer to connect to other<br>computers. |        |

At this window, click Have Disk.

| Click the Net<br>an installation | work Client that you want to install, then click DK. If you have<br>disk for this device, click Have Disk. |
|----------------------------------|--|
| anufacturers:                    | Network Clients:   |
| 🗒 Banyan                         | Banyan DOS/Windows 3.1 client  |
| Microsoft                        | nomen  |
| Novel                            |  |
|                                  | Have Disk  |
|                                  | OK Cancel  |

 Insert the DP-301P+ CD-ROM into your CD-ROM drive. Select the letter representing the CD-ROM drive on your computer from the pull-down menu.
 Double-click on the folder **lpr**.

- 3. Highlight Ipr.inf
- 4. Click OK.



Click OK to accept the location of the file.

| om Disk  | ×   |
|--|---|
| Insert the manufacturer's installation disk into<br>the drive selected, and then click OK. | Cancel  |
| Copy manufacturer's files from:  |   |
| G:\LPR   | Browse  |
|  | the drive selected, and then click OK.<br>Copy manufacturer's files from: |

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

| The following network components are in: | stalled              |
|--|----------------------|
| Client for Microsoft Networks            |                      |
| 🔜 LPB for TCP/IP Panking                 |                      |
| 🔜 Microsoft Family Logon                 |                      |
| D-Link DWL-650 11Mbps WLAN Ada           | apter                |
| DiaHUp Adapter                           |                      |
| TCP/IP -> D-Link DWL-650 11Mbps 1        | WLAN Adapter         |
| Add Remove                               | Properties           |
|  | [                    |
| Primary Network Logon:                   | 1.4.1.1              |
| Microsoft Family Logon                   | *                    |
|  |                      |
| Eile and Print Sharing                   |                      |
| Description                              |                      |
| LPR for TCP/IP Printing (v1.00/1997-08   | 8-20) enables you to |
| connect to and use the printers connect  |                      |
| devices that support TCP/IP LPR printin  | ng protocol.         |
|  |                      |
|  |                      |

### Click Add Port.

| PR for T | CP/IP Printing Prope | rties              | 2     |
|----------|----------------------|--------------------|-------|
| Ports    | Settings             |                    |       |
| Port     | List                 |                    |       |
| E        |                      |                    | -     |
|          |                      |                    |       |
|          |                      |                    |       |
|          |                      |                    |       |
|          |                      |                    |       |
| C        |                      |                    |       |
|          | Add Port             | <u>Delete Port</u> |       |
|          |                      |                    |       |
|          |                      |                    |       |
|          |                      | ОКС                | ancel |

Type in the IP address and Port Name of the print server, which can be referred from the **PRINTER SERVER STATUS** and **PRINTER STATUS** of the print server's Web configuration, in the corresponding field, and then click **OK**. (The IP Address and Port Name here are just for example only.)

| IP Address :  |   |  |   |
|---------------|---|--|---|
| 10.62.31.15   |   |  |   |
| Port Name :   |   |  |   |
| d k-1A2AAA-P1 | - |  | _ |
|               |   |  |   |

| roduct: pp-3019+ | ĸ                     |                           |                          |        | Firmware Versic   |
|------------------|-----------------------|---------------------------|--------------------------|--------|---|
| DP-301P+         | Setup                 | Advanced                  | Maintenance              | Status | Help  |
| evice Info       | DEVICE INFO           |                           |                          |        | Helpful Hints   |
| twork            | The following shows t | he general system informa | ition.                   |        | Print Server SI   |
| int Log          | PRINT SERVER ST       | ATUS                      |                          |        | print server, incl<br>firmware version<br>address, and up |
| Printer          | Se                    | erver Name : dlink-1A2A   | AA                       |        | be found in this f  |
| Off line         |                       | Model : DP-301P+          |                          |        | Printer Status  |
|                  | Firmwa                | are Version : 3.70 (200   | 7-10-16)                 |        | The items in this<br>display the inform                   |
| Reboot           | MA                    | C Address : 00 FF 24 1    | 1A 2A AA                 |        | the printer, such<br>given name for t                     |
|                  |                       | IP Address : 10.62.31.    | <mark>15</mark> (Manual) |        | speed, printer st   |
|                  |                       | Up Time : 0 days, 01      | :05:15                   |        | status of your pr<br>tasks, etc.                          |



The IP Address and Port Name will be displayed in the following screen. (The IP Address and Port Name here are just for example only.) Click **OK**.

| Port List<br>10.62.31.15/d | lik-1A2AAA-P1 |           | - |
|----------------------------|---------------|-----------|---|
|                            |               |           |   |
|                            |               |           |   |
|                            |               |           | - |
| Add Port.                  |               | Delete Pa | ¢ |

### Click OK.

| Network ? 🗙                                       |
|---|
| Configuration   Identification   Access Control   |
| The following network components are installed:   |
| The following network components are installed:   |
| LPR for TCP/IP Printing                           |
| String Control Control Participation              |
| Dial-Up Adapter                                   |
| Intel 21140 based 10/100 mpbs Ethernet Controller |
|   |
|   |
| Add Remove Properties                             |
| Primary Network Logon:                            |
| Microsoft Family Logon                            |
| File and Print Sharing                            |
|   |
|   |
|   |
|   |
|   |
| OK Cancel   |

Windows will ask for a restart.

Click Yes.



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



#### Select Network Printer and click Next.

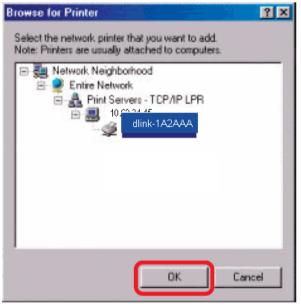
| Add Printer Wizard | How is this printer attached to your computer?<br>If it is directly attached to your computer, click Local<br>Printer. If it is attached to another computer, click Network<br>Printer<br>C Local printer |
|--------------------|---|
|                    |   |

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

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

At the following screen, browse for the printer port and highlight the port (e.g.

dlink-1D6FA3 in this manual). Click OK.



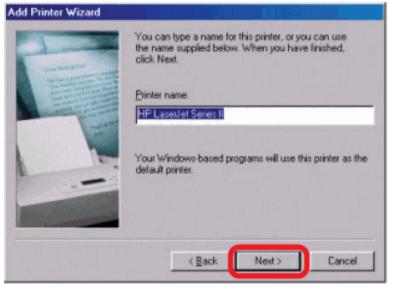
If the network path is not specified, type in the IP Address and Port Name of the print server. Select Yes or No to enable or disable printing from MS-DOS based programs. Click **Next**.

| Add Printer Wizard |  |
|--------------------|--|
|                    | Type the network path or the queue name of your printer.<br>If you don't know its name, click Browse to view available<br>network printers.<br>Network path or queue name: |
| E                  | W10.62.31.15Vdlk-1A2AAA-P1   |
|                    | Browse<br>Do you print from MS-DOS-based programs?<br>○ Yes<br>ⓒ No  |
|                    | <back next=""> Cancel</back>   |

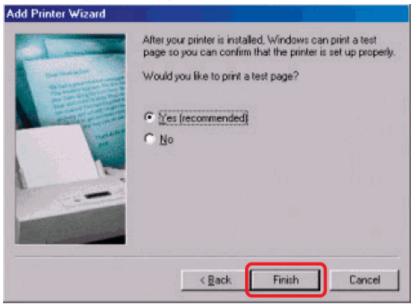
Highlight the printer, as shown. If the desired printer is not on the list, click Have Disk and insert the printer driver disk that came with your printer to install the printer drivers. Click **Next**.

| installation disk   | facturer and model of your printer. If your printer came with an<br>, click Have Disk. If your printer is not listed, consult your printer<br>for a compatible printer. |
|---|---|
| Manufacturers:  | Printers:   |
| Fujitsu<br>GCC<br>Generic<br>Gestetner<br>Hermes<br>HP<br>IRM | HP Lasedet IIISi     HP Lasedet IIISi     HP Lasedet IIID     HP Lasedet IID     HP Lasedet IID     HP Lasedet IID     HP Lasedet IIP     HP Lasedet IIP                |
|   | Have Disk   |
|   | <back next=""> Cancel</back>  |

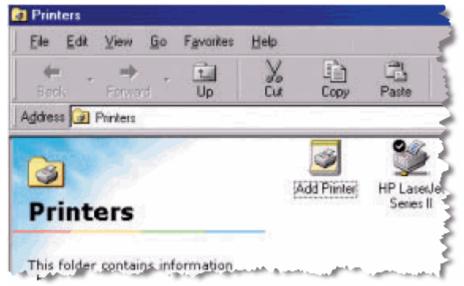
#### Click Next



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 form 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 form 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.

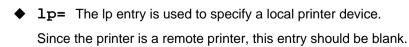
6. Issue the command

```
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:



- **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 delet 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 Manger 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

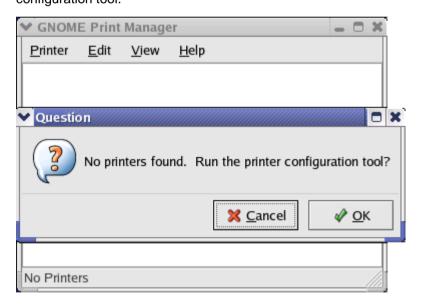
1. Click the printer icon



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 man **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".

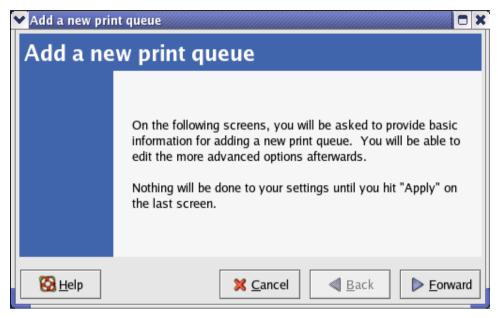


4. Click the **New** button **New** in the **Printer configuration tool** menu.

| ~  | Printer o      | configu      | ration - I   | ocalhost.  | localdomain. | - 🗆 X |
|----|----------------|--------------|--------------|------------|--------------|-------|
|    | <u>A</u> ction | <u>T</u> est | <u>H</u> elp |            |              |       |
| 11 | <b>_</b>       |              | S)           |            | 9            |       |
| 12 | New            | Edit         | Delete       | Default    | Apply        |       |
| Q  | ueue nan       | ne 🗕 D       | efault D     | escription | 1            |       |
|    |                |              |              |            |              |       |
|    |                |              |              |            |              |       |
|    |                |              |              |            |              |       |
|    |                |              |              |            |              |       |
| l— |                |              |              |            |              |       |

# 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<br>name that begins with a letter and contains no spaces.<br>Name: printer<br>About<br>If you like, you can enter a description of the printer<br>to help you identify it more easily. |                  |   |  |  |  |  |
| Short description:  |                  |   |  |  |  |  |
| 🔀 <u>H</u> elp  | X <u>C</u> ancel |   |  |  |  |  |

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

| Add a new print quei | e                               | •                 |
|----------------------|---------------------------------|-------------------|
| Queue type           |                                 |                   |
| Select a queue type: | Networked UNIX (LPD)            |                   |
| Server:              | Queue:                          |                   |
| 10.24.313            | Ip                              |                   |
|                      |                                 |                   |
|                      |                                 |                   |
|                      |                                 |                   |
| 🚱 <u>H</u> elp       | 🔀 <u>C</u> ancel 🔍 <u>B</u> ack | ▶ <u>F</u> orward |

# 8. Select the printer model.

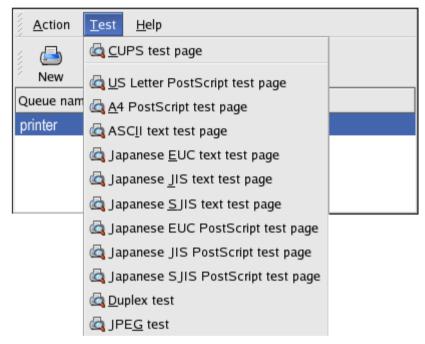
| ✔ Add a new print queue                    |               |
|--|---------------|
| Printer model                              |               |
| Select the printer manufacturer and model. | <u>N</u> otes |
| Generic (click to select manufacturer)     | Ŧ             |
| Text Only Printer        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

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)** pull-down menu, and 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   | <b>±</b>          |
| LaserJet 3200                              | <b>^</b>          |
| LaserJet 3200m                             |                   |
| LaserJet 3200se                            |                   |
| Laser let 3300 MEP                         | <b>Y</b>          |
|  |                   |
| <u> </u>                                   | ▶ <u>F</u> orward |

9. The last step is to confirm your printer configuration. Click 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 drop-down menu.



# Setting up Printing in Mac OS X Tiger (10.4)

#### 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 window as below.

| Show All    |                       |                           | stem Prefer     | ences               | 9           |                                  |
|-------------|-----------------------|---------------------------|-----------------|---------------------|-------------|----------------------------------|
| Personal    |                       |                           |                 |                     |             | 1                                |
| Eile<br>New |                       |                           |                 | 3                   | Ô           | <ul> <li>Q</li> <li>Z</li> </ul> |
| Appearance  | Dashboard &<br>Exposé | Desktop &<br>Screen Saver | Dock            | International       | Security    | Spotligh                         |
| Hardware    |                       |                           |                 |                     |             | - 1                              |
| 8           | 0                     |                           | 9               | 9                   |             | Q                                |
| Bluetooth   | CDs & DVDs            | Displays                  | Energy<br>Saver | Keyboard &<br>Mouse | Print & Fax | Sound                            |
| Internet &  | Network               |                           |                 |                     |             | - 1                              |
| <b>(</b> )  | ۲                     | Q                         | <b>I</b>        |                     |             | - 2                              |
| .Mac        | Network               | QuickTime                 | Sharing         |                     |             | ~ {                              |

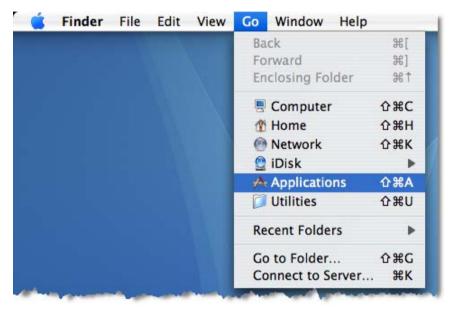
Click on the Network icon in System Preferences menu to view the menu below.

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

| 000                         | Network  |              |
|-----------------------------|--|--------------|
| Show All                    |  | ٩ )          |
| Location                    | Automatic  | ÷            |
| Show                        | Built-in Ethernet  | •            |
| TCP/IP P                    | PPoE AppleTalk Proxies   | Ethernet     |
|                             | Make AppleTalk Active  |              |
| Computer Nam                | <ul> <li>Chen Gloria's PowerBook G4<br/>(Can be changed in Sharing Prefer</li> </ul> |              |
| AppleTalk Zon               | e: (   | × v          |
| Configur                    | e: Automatically   | •            |
|                             |  |              |
|                             |  |              |
| To choose a                 | zone, first click Apply Now to turn on   | AppleTalk.   |
|                             |  | 0            |
| Click the lock to prevent f | urther changes. Assist   | me Apply Now |
|                             |  |              |

# Adding a Printer

Use the **Go** menu at the top tool bar and select **Applications** option and find the **Utilities** folder or open the **Utilities** folder directly in **Go** menu.



In the Utilities folder, find and select Printer Setup Utility to open Printer List window. If no printer has been set up on your Macintosh, you will be prompted to add a printer. Click Add button on the pop-up dialogue box to open Printer Browser window.



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

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

To add an Internet Printing Protocol enabled, Line Printer Daemon enabled or HP



Jet Direct – Socket enabled printer, click on the **IP Printer** button and follow the instructions to add an IP Printer beginning on "Adding an IP printer" session.

# AppleTalk-enabled or Bonjour-enabled

# **Printers**

To add an AppleTalk-enabled or Bonjour-enabled printer, click on the



Default Browser button in the Printer Browser menu.

| 000       | )        | Print              | er Browser    |            | 0         |
|-----------|----------|--------------------|---------------|------------|-----------|
| e         | 2        | 4                  | (Q,-          |            | $\square$ |
| Default B | rowser   | IP Printer         |               | Search     |           |
|           |          |                    |               |            |           |
| Printe    | r Name   |                    | <b>A</b>      | Connection |           |
| LPT1      |          |                    |               | AppleTalk  |           |
| LPT1      |          |                    |               | Bonjour    |           |
| PS-C0     | D26A-P2  | 2                  |               | AppleTalk  |           |
| PS-C0     | D26A-P2  | 2                  |               | Bonjour    |           |
| dlk-1A    | 2AAA-P1  |                    |               | AppleTalk  |           |
| dlk-1 A   | 2AAA-P1  |                    |               | Bonjour    |           |
|           |          |                    |               |            |           |
|           |          |                    |               |            |           |
|           |          |                    |               |            |           |
|           |          |                    |               |            |           |
|           | Name:    | dlk-1A2AAA-P1      |               |            |           |
|           |          |                    |               |            |           |
| Lo        | ocation: | Local Zone         |               |            |           |
| Print     | Using:   | Auto Select        |               | \$         |           |
|           |          |                    |               |            |           |
|           | 315      | Opening connection |               |            |           |
| -         |          |                    |               |            | _         |
| ?         |          |                    | More Printers | ) ( Add    |           |
|           |          |                    |               |            | 1.        |

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-1A2AAA-P1. By default the **Printer Browser** will use the **Auto Select** for **Print Using:** to determine what printer configuration to use. This may

also be manually selected in the **Print Using** drop-down menu by brand and model. Click the **Add** button to exit the **Printer Browser** window and implement the new setting.

| 9 🖯 🖯           | Printer Br  | owser          | C |
|-----------------|---|----------------|---|
| 4               | 4   | Q <sub>7</sub> | - |
| Default Browser | IP Printer  | Search         |   |
|                 |   |                |   |
| Printer Name    |   | Connection     |   |
| LPT1            |   | AppleTalk      |   |
| LPT1            |   | Bonjour        |   |
| PS-C0D26A-P2    |   | AppleTalk      |   |
| PS-C0D26A-P2    |   | Bonjour        |   |
| dlk-1A2AAA-P1   |   | AppleTalk      |   |
| dlk-1A2AAA-P1   |   | Bonjour        |   |
|                 |   |                |   |
| Name:           | dlk-1A2AAA-P1   |                |   |
| Hume.           | dik-TAZAAA-PT   |                |   |
|                 | Local Zone  |                | 1 |
|                 | Local Zone  |                |   |
| Location:       | Local Zone<br>HP<br>Model   | (<br>          |   |
| Location:       | Local Zone<br>HP<br>Model   |                |   |
| Location:       | Local Zone<br>HP<br>Model<br>HP LaserJet 2300   |                |   |
| Location:       | Local Zone<br>HP<br>Model   |                |   |
| Location:       | Local Zone<br>HP<br>Model<br>HP LaserJet 2300<br>HP LaserJet 2410   | A              |   |
| Location:       | Local Zone<br>HP<br>Model<br>HP Laserjet 2300<br>HP Laserjet 2410<br>HP Laserjet 2420                     | A              |   |
| Location:       | Local Zone<br>HP<br>Model<br>HP Laserjet 2300<br>HP Laserjet 2410<br>HP Laserjet 2420<br>HP Laserjet 2430 |                |   |

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 listed it is ready for use. Quite the **Printer Setup Utility** and start printing.



# Adding an IP Printer

To add an Internet Printing Protocol enabled, Line Printer Daemon enabled or HP Jet Direct – Socket enabled printer, click on the IP Printer button in the **Printer Browser** window. Select the desired printing protocol from the **Protocol** drop-down menu.

| 000             | F                             | Printer Browser               | 0   |
|-----------------|-------------------------------|-------------------------------|-----|
| 2               | 1                             | Q,-                           |     |
| Default Browser | IP Printer                    | Search                        |     |
|                 |                               | nting Protocol – IPP          |     |
| Protocol        | HP Jet Dire                   | r Daemon – LPD<br>ct – Socket | -   |
| Address:        |                               |                               | •   |
|                 | Enter host name               | e or IP address.              |     |
| Queue:          |                               |                               | •   |
|                 | Leave <mark>blank fo</mark> r | default queue.                |     |
| Name:           |                               |                               |     |
| Location:       |                               |                               | -   |
|                 | Please select                 | t a driver or printer model   | •   |
|                 |                               |                               |     |
| ?               |                               | More Printers Add             | 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" under 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. Or 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 PostScrip Printer** option from the **Print Using** drop-down menu if the model is not listed. To implement the setting, click **Add** button.

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

# For set up LPD Printing:

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

| 0  | 00            | Printer Browser                | 0   |
|----|---------------|--------------------------------|-----|
|    | 4             | Q                              |     |
| De | fault Browser | IP Printer Search              |     |
| 1  |               |                                |     |
|    | Protocol:     | Line Printer Daemon - LPD      | •   |
|    |               |                                |     |
|    | Address:      | 10.13.55.251                   |     |
|    |               | Valid and complete address.    |     |
|    | Queue:        | dlk-1A2AAA-P1                  |     |
|    |               | Leave blank for default queue. | _   |
|    |               |                                |     |
|    |               |                                |     |
|    | Name:         | 10.13.55.251                   |     |
|    | Location:     |                                |     |
|    | Print Using:  | Generic PostScript Printer     | •   |
|    |               |                                |     |
|    | ~             |                                |     |
| (  | ?             | More Printers                  | dd  |
|    |               |                                | 11. |

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

# For set up IPP Printing:

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

| 000             | Printer Browser                  | $\bigcirc$ |
|-----------------|----------------------------------|------------|
| 4               | (Q-                              |            |
| Default Browser | IP Printer Search                |            |
|                 |                                  |            |
| Protocol:       | Internet Printing Protocol – IPP | •          |
|                 |                                  | _          |
| Address:        | 10.1.32.2 :80                    | -          |
|                 | Valid and complete address.      |            |
| Queue:          | dlk-1A2AAA-P1                    | -          |
| queue.          | Leave blank for default queue.   |            |
|                 | •                                |            |
|                 |                                  |            |
| Name:           | 10.1.32.2                        |            |
| Location:       |                                  |            |
|                 | Generic PostScript Printer       | •          |
| Fint Using.     | Generic rosiscipt riniter        | •          |
|                 |                                  |            |
| (?)             | More Printers)                   | - h        |
| •               |                                  |            |

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

# For set up Socket Printing:

- Enter the IP address of the print server to which the printer is attached in Address field. After that, type ": 9100" for port 1, ": 9101" for port 2 or ": 9102" for port 3.
- 2. Keep the blank in **queue** field.

| 000                |                  | Printer Browser     | 0     |
|--------------------|------------------|---------------------|-------|
| Default Browser    | E Printer        | Q.r<br>Search       |       |
| Default browser    | ir Princer       | acaren              |       |
|                    |                  |                     |       |
| Protocol:          | HP Jet Dire      | ct – Socket         | •     |
| Address:           | 10.62.72.25      | 51:9100             | •     |
|                    | Valid and comp   | plete address.      |       |
| Queue:             |                  |                     | -     |
| Queue.             | Lanua black fact | r default queue.    | -     |
|                    | Leave blank to   | r default queue.    |       |
| Name:<br>Location: | 10.62.72.25      | 51                  |       |
| Print Using:       | HP               |                     | •     |
|                    | Model            |                     | E I   |
|                    | HP Color Lase    | rjet 2550 Series    | 6     |
|                    | HP Color Lase    | det 3700            |       |
|                    | HP Color Laser   | rjet 4500 v2014.200 |       |
|                    |                  | rjet 4550 v3010.107 |       |
|                    |                  | rjet 4600 v3010.107 | U III |
|                    | HP Color Lase    |                     | *     |
|                    | HP Color Lase    | rjet 5/5M v2015.104 | Ŧ     |
|                    |                  |                     |       |
| (?)                |                  | (More Printers) Add | Ð     |

Click Add button after done the section of printer model in the Print Using

drop-down menu.

When the **Installable Options** pop-up window shows up as below, click **Continue** button.

| 00                | Printer Browser   |
|-------------------|---|
| (- Jat .          |   |
| COLUMN TWO IS NOT | Installable Options   |
| -                 | 10.62.72.251  |
| full advar        | re your printer's options are accurately shown here so you can take<br>ntage of them. For information on your printer and its optional<br>e, check the documentation that came with it. |
| Tray              | 29 - 10:02:V0:251.<br>/ 3 <sub>Naho ano compresi adorest.</sub>   |
| Memor             | y Configuration: 64 – 127 MB RAM  |
| Dup               | lex Unit  |
| Paper N           | Matching: Prompt User for correct size  |
|                   |   |
|                   |   |
|                   |   |
|                   |   |
|                   | THE COLOR LASTICE 2510 Server   |
| ~                 | Cancel Continue   |
| ?                 |   |
| ?                 | HP Color LaserJet 4550 v3010.107  |
| ?                 | THE CASE EXCELOSURE TO BE THE REAL PROPERTY OF  |
| ?                 | HP Color LaserJet 4550 v3010.107  |
| ?                 | HP Color LaserJet 4550 v3010.107<br>HP Color LaserJet 4600 v3010.107  |
| ?                 | HP Color LaserJet 4550 v3010.107<br>HP Color LaserJet 4600 v3010.107<br>HP Color LaserJet 4650  |

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 listed it is ready for use. Quite the **Printer Setup Utility** and start printing.



# Setting up AppleTalk or LPR Printing in Mac OS X

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

With Mac OSX you can use AppleTalk or LPR printers using IP protocols for printing through Print Servers.

Open your System Preferences window and Click Network.



Select the AppleTalk tab in this window and check Make AppleTalk Active.

|                           | Network  | C         |
|---------------------------|--|-----------|
| 🛋 📃 💩                     | 🚱 🔟  |           |
| how All Displays Sound N  | letwork Startup Disk   |           |
| Lo                        | cation: Automatic  |           |
| Show: PCI Ethernet Slot C | :1 =   |           |
| ТСР                       | /IP PPPoE AppleTalk Proxies  | <u> </u>  |
|                           | Make AppleTalk Active  |           |
| Computer Na               | me: david chen's Computer<br>(Can be changed in Sharing Preferences  | s)        |
| AppleTalk Zo              | one:   | ¢         |
| Config                    | ure: Automatically   | •         |
|                           |  |           |
|                           |  |           |
|                           |  |           |
|                           |  |           |
|                           |  |           |
| Click the lock to preve   | nt furgester a start of the second start of th | Apply Now |

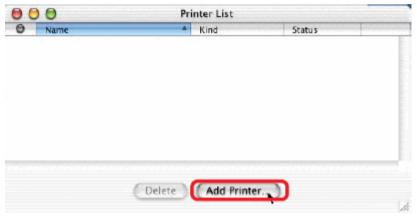
| 🙆 Text   |      | File Edit | Format W          | indow Help |
|----------|------|-----------|-------------------|------------|
|          | 0.4  | New       | ЖN                | a state at |
|          | 0    | Open      | ЖО                | Intitled   |
|          | test | Open Rec  | ent 🕨             |            |
|          |      | Close     | жw                |            |
|          | . IE | Save      | ₩S                |            |
|          |      | Save As   | <mark></mark> ፚቘያ |            |
|          |      | Save All  |                   |            |
|          |      | Revert to | Saved             |            |
| -5- /192 |      | Page Setu | p                 |            |
|          |      | Print     | 🐔 ЖР              |            |

To print, open a document and select File  $\rightarrow$  Print from the menu.

Select Edit Printer List from the Printer dialog box.

| Printer:                | ✓ No Printer Selected |
|-------------------------|-----------------------|
| Saved Settings:         | Edit Printer List 📡 👔 |
| Copies & Pages          | •                     |
| Copies: 1               | 🗹 Collated            |
| Pages: 💿 All<br>🔘 From: | 1 to: 1               |

#### Click Add Printer



Select the printing protocol preferred, AppleTalk or LPR Printers using IP. In this example, AppleTalk has been selected.

|                   | LPR Prin<br>USB | iters using IP | \$    |    |
|-------------------|-----------------|----------------|-------|----|
| Name              | Director        | y Services     | -     | 1  |
| 🕍 dik-1,82,8,8,91 |                 | LaserWr        | iter  |    |
| dik-1D6FA3-U1     |                 | LaserWr        | iter  |    |
| dik-1D6FA3-U2     |                 | LaserWr        | iter  |    |
| dlk-1D6FA3-P3     |                 | LaserWr        | iter  |    |
| Printer Mo        | del: Auto       | o Select       |       | \$ |
|                   |                 | _              | ancel | _  |

AppleTalk protocol: After selecting AppleTalk, the Port Names of the Print Server will be displayed. The Port Names shown here are examples only. Click on the Port to which the post-script printer is connected.

| 0 | 0             | Pri    | nter List    |        |    |
|---|---------------|--------|--------------|--------|----|
| 0 | Name          |        | Kind         | Status |    |
| 0 | dlk-1A2AAA-P1 |        | LaserWriter  |        |    |
|   | dlk-1D6FA3-U1 |        | LaserWriter  |        |    |
|   | dlk-1D6FA3-U2 |        | lpr host     |        |    |
|   | dlk-1D6FA3-P3 |        | lpr host     |        |    |
|   |               |        |              | k      |    |
|   |               | Delete | Add Printer. |        | 1. |

Then select the printer model from the dialog box displayed here. Click Add Printer and the Printer Port configuration is completed. Select the Printer Port just configured in the Print window. Click Print to print your document.

| Internet add | lress or DNS name                   | 192.168.0.10 |   |
|--------------|-------------------------------------|--------------|---|
|              |                                     |              |   |
| -            | Use Default Queu<br>Queue Name: dll |              |   |
| Ì            | Printer Model:                      | Generic      | + |

LPR Printers using IP protocol: When you select LPR Printers using IP Protocol, this window will appear.

Type the IP Address of the Print Server into the LPR Printer's Address field.

In the Queue Name field, enter the Port Name of the post-script printer that is connected to the Print Server. The Port Name illustrated here is only an example. Select the printer model from the dialog box.

Click Add and the process are completed.

Close all Print Center windows, select the Printer Port that was just selected. Click Print to print the document.

# 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.

Print 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 print 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 must correspond with the Print Server's IP Address in the same segment for the two devices to communicate.

Launch the browser and enter print server web interface, select the ADVANCED tab, click 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: DP-301P+   |   |   |  |                    | Firmware Version: 3.70   |
|---|---|---|--|--------------------|--|
| D-Linl  | ¢   |   |  |                    | $\prec$  |
| DP-301P+  | Setup   | Advanced  | Maintenance  | Status             | Help   |
| Advanced LAN<br>User Access<br>E-Mail Notification<br>SNMP<br>Printer<br>Off line<br>Reboot | NETWORK SETTING<br>Please do not change<br>administrator.<br>TCP/IP<br>DNS S<br>Mac Bonjou<br>Seco<br>MICROSOFT NETW<br>APPLETALK | Any of the following set<br>Server Address : 1.<br>2.<br>UPnP :<br>r/Rendezvous :<br>ond HTTP Port :<br>Por<br>(Fo<br>ORK<br>Workgroup :<br>Workgroup :<br>LPT : Cho<br>Prir<br>Por<br>Por<br>Por<br>Por<br>Por<br>Por<br>Por<br>Po | Ings unless instructed to do O.O.O.O O.O.O.O Enable O Disable Enable O Disable Enable O Disable t Number : O r Remote Web Configuration RKGROUP OOSer Name : dlk-1 ater Type : Lase ttScript Level : Lew it Group : Star | so by your network | Helpful Hints<br>TCP/IP:<br>If you are using e-mail<br>printing or e-mail<br>notification, you will need<br>to setup the DNS Server<br>Address. Only if your<br>network has a DNS Server<br>setup should you enter the<br>address into the DNS<br>Server Address box,<br>otherwise leave it as<br>0.0.0.0.<br>UPnP allows your print<br>server to be discoverable<br>on the network.<br>Mac Bonjour/Rendezvous<br>allows your print server to<br>be discoverable on an<br>Apple Mac network. |
| PRINT SERV  | /ER   |   |  |                    |  |

# AppleTalk

Enter the AppleTalk Zone name in the box. In the following options, enter the related configuration, such as the printer type.

<u>Chooser Name</u>: Display the print server's port name.

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

PostScript Level: Select from the pull-down menu (Level 1 or Level 2).

Font Group: Select from the pull-down menu.

The exact procedure for selecting a PostScript printer connected to print server may vary slightly, depending on what printer driver version you are using. The procedure described below assumes you are using the LaserWriter 8.

To choose a printer connected to print 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 follow.

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

| Cho   | oser 🛛                       |
|---|------------------------------|
| AppleShare<br>AppleShare<br>LasorVritor 300/LS<br>Preview <sup>TN</sup> | Select a PostScript Printer: |

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>1</b> | Current Printer Description File (PPD) Selected<br>"Generic" | 1:     |
|----------|--|--------|
|          | Auto Setup Select PPD  | Help   |
|          | Printer Info Configure                                       | Cancel |
|          |  | ОК     |

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: Parallel port

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, ACT, LPT

# **Environmental and Physical**

Power Supply: External power supply providing 5V, 2.5A DC

Dimensions: 3.54" x 2.20" x 1.02" (90 mm x 56 mm x 26 mm)

Weight: approx. 4.27 oz. (121g)

Operating Temperature: 32 to122°F (0 to 50°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

# **Contacting Technical Support**

# **Technical Support**

You can find software updates and user documentation on the D-Link website.

D-Link provides free technical support for customers within the United States and within Canada for the duration of the warranty period on this product.

U.S. and Canadian customers can contact D-Link technical support through our website, or by phone.

# Tech Support for customers within the United States:

D-Link Technical Support over the Telephone: (877) 453-5465 24 hours a day, seven days a week.

D-Link Technical Support over the Internet: http://support.dlink.com email:support@dlink.com

# Tech Support for customers within Canada:

D-Link Technical Support over the Telephone: (800) 361-5265 Monday to Friday 8:30am to 9:00pm EST

D-Link Technical Support over the Internet: http://support.dlink.ca email:support@dlink.ca

When contacting technical support, please provide the following information:

- Serial number of the unit
- Model number or product name
- Software type and version number

# Warranty and Registration

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. (—D-Link") provides this Limited warranty for its product only to the person or entity that originally purchased the product from:

- D-Link or its authorized reseller or distributor and
- Products purchased and delivered within the fifty states of the United States, the District of
- Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, addresses with an APO or FPO.

Limited Warranty: D-Link warrants that the hardware portion of the D-Link products described below will be free from material defects in workmanship and materials from the date of original retail purchase of the product, for the period set forth below applicable to the product type (—Warranty Period"), except as otherwise stated herein.

1-Year Limited Warranty for the Product(s) is defined as follows:

- Hardware (excluding power supplies and fans) One (1) Year
- Power Supplies and Fans One (1) Year
- Spare parts and spare kits ninety (90) days.

D-Link's sole obligation shall be to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund at D-Link's sole discretion. Such repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement Hardware need not be new or have an identical make, model or part. D-Link may in its sole discretion replace the defective Hardware (or any part thereof) with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement Hardware will be warranted for the remainder of the original Warranty Period from the date of original retail purchase. If a material defect is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to repair or replace the defective Hardware, the price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware (or part thereof) that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty: D-Link warrants that the software portion of the product (-Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90)days (-Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. D-Link's sole obligation shall be to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund at D-Link's sole discretion. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Software will be warranted for the remainder of the original Warranty Period from the date or original retail purchase. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

**Non-Applicability of Warranty**: The Limited Warranty provided hereunder for hardware and software of D-Link's products will not be applied to and does not cover any refurbished product and any product

purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold —As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

**Submitting A Claim**: The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

• The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same.

■ The original product owner must obtain a Return Material Authorization (—RMA") number from the Authorized D-Link Service Office and, if requested, provide written proof of purchase of the product (such as a copy of the dated purchase invoice for the product) before the warranty service is provided.

After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the Product and will not ship back any accessories.

■ The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery (—COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc., 53 Discovery Drive, Irvine, CA 92618. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link, with shipping charges prepaid. Expedited shipping is available if shipping charges are prepaid by the customer and upon request.

D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.

What Is Not Covered: This limited warranty provided by D-Link does not cover: Products, if in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product. Repair by anyone other than D-Link or an Authorized D-Link Service Office will void this Warranty.

**Disclaimer of Other Warranties**: EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THEPRODUCT IS PROVIDED —AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSEAND NON-INFRINGEMENT. IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANYTERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO NINETY (90) DAYS. EXCEPTAS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRERISK AS TOTHE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

Limitation of Liability: TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDERANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANYLOSS OF USE OF THE PRODUCT. INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OFGOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE. COMPUTER FAILURE OR MALFUNCTION. FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTEDWITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCTRETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATINGTO WARRANTYSERVICE, OR ARISING OUT OFANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINKHAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR. REPLACEMENT OR REFUND OF THE DEFECTIVE OR NON-CONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BYTHE WARRANTY.THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY,

**Governing Law**: This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This limited warranty provides specific legal rights and the product owner may also have other rights which vary from state to state.

**Trademarks:** D-Link is a registered trademark of D-Link Systems, Inc. Other trademarks or registered trademarks are the property of their respective manufacturers or owners.

**Copyright Statement**: No part of this publication or documentation accompanying this Product may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from D-Link Corporation/D-Link Systems, Inc., as stipulated by the United States Copyright Act of 1976. Contents are subject to change without prior notice. Copyright <sup>©</sup> 2002 by D-Link Corporation/D-Link Systems, Inc. All rights reserved.

**CE Mark Warning**: This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

**FCC Statement**: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution**: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

#### IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of about 8 inches (20 cm) between the radiator and your body.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

#### Register your D-Link product online at http://support.dlink.com/register/

# Appendix: DP-301P+ Printer Compatibility List

#### The Canon Printer

Canon BJC-255SP Canon BJ-330 Canon BJC-600, 620 Canon BJC-2000SP Canon BJC-4100, 4300, 4500, 4550 Canon BJC-6000, 6500 Canon BJC-7000 Canon BJC-8200 Canon LBP-720, 740 Canon Bubble Jet S520

#### The Epson Printer/plotter

Epson Stylus Photo 700, 710, 750 Epson Stylus Photo 870 Epson Stylus Photo 1200, 1270 Epson Stylus Photo EX Epson Stylus Pro XL Epson Stylus Color 400, 440, 460, 480 Epson Stylus Color 600, 640, 660 Epson Stylus Color 740 Epson Stylus Color 800, 850, 860 Epson Stylus Color 900 Epson Stylus Color 1160 Epson Stylus Color 1500, 1520 Epson Stylus Color 3000 Epson Stylus C60 Epson LQ-100 Epson LQ-300 Epson LQ-550, 570+ Epson LQ-1070C+

Epson LQ-2070, 2170C Epson EPL-N2000, N2010 Epson EPL-5500, 5700, 5700L, 5800

#### **The Fujitsu Printer**

Fuji 10V, 14V Fuji DL-700 Fuji DL-3800

#### **The HP Printer/Plotter**

**HP** Portable HP LaserJet III HP LaserJet 4P. 4L. 4V HP LaserJet 5L HP LaserJet 6P. 6L HP LaserJet 1100, 1100A HP LaserJet 1200 HP LaserJet 2100, 2100M HP LaserJet 2200 HP LaserColorJet 8500 HP DeskJet 400, 420 HP DeskJet 500, 550C, 560C HP DeskJet 670C, 695C HP DeskJet 720C HP DeskJet 810C. 890C HP DeskJet 920C HP DeskJet 930C(new), 970CXI HP DeskJet 1120C HP DeskJet 1125C HP DesignJet 350C HP DesignJet 600C HP LaserJet 4000 HP LaserJet 5000

HP OfficeJet T45, 710

#### The IBM Printer

IBM 5577 IBM 4039 16L IBM Infor Printer 20 IBM InfoPrint 32

#### **The Lexmark Printer**

Lexmark 4039 10R Lexmark 5700 Lexmark Optra Color 45 Lexmark Optra C710 Lexmark Optra E, E+, E310 Lexmark Optra K1220 Lexmark Optra M410, M412 Lexmark Optra M410, M412 Lexmark Optra R+ Lexmark Optra S1250, S1855 Lexmark Optra SC-1275 Lexmark Optra SE-3455 Lexmark Optra T614 Lexmark Optra W810 Lexmark Z53

#### The NEC Printer

NEC P2200 NEC P3200 NEC P5300 NEC P6300 NEC P7300

#### **Other Printers**

Brother HL-1260 CD T120 Citizen GSX-230 Futek 84+ OKI ML-391 OKIdata OL-400 Olivetti JP450 Panasonic 2023 Panasonic KX-P1624 Printtec PR856C Star NX-2420 Tektronix Phraser 350

Other Printers from the brands listed above may also be supported. For an updated compatibility list please visit: http://support.dlink.com.tw