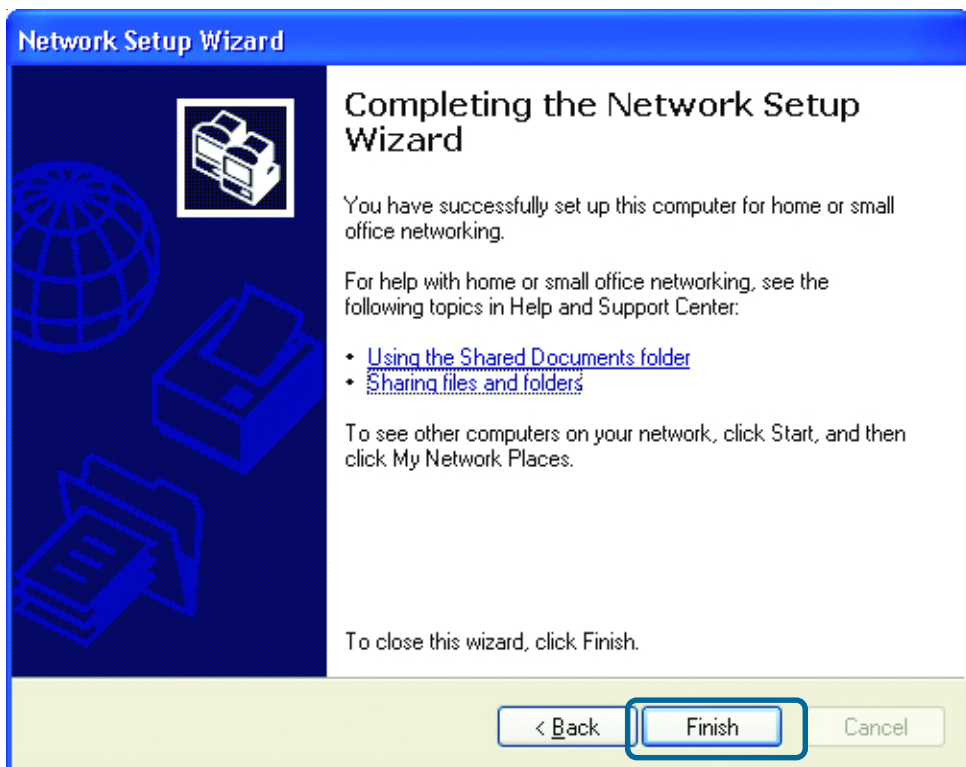
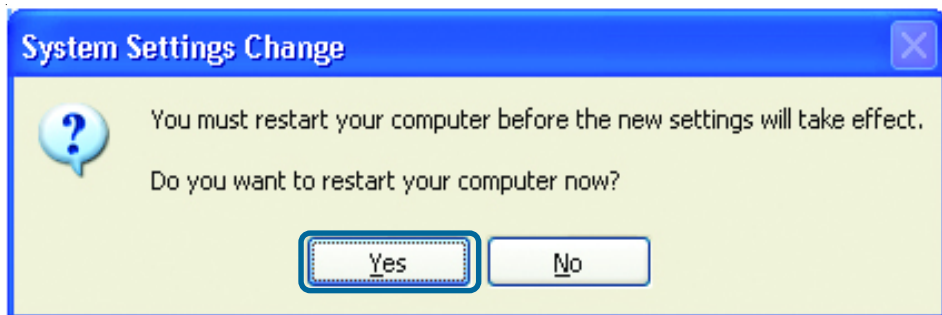


Networking Basics (continued)



The new settings will take effect when you restart the computer. Click **Yes** to restart the computer.



You have completed configuring this computer. Next, you will need to run the **Network Setup Disk** on all the other computers on your network. After running the **Network Setup Disk** on all your computers, your new wireless network will be ready to use.

Networking Basics (continued)

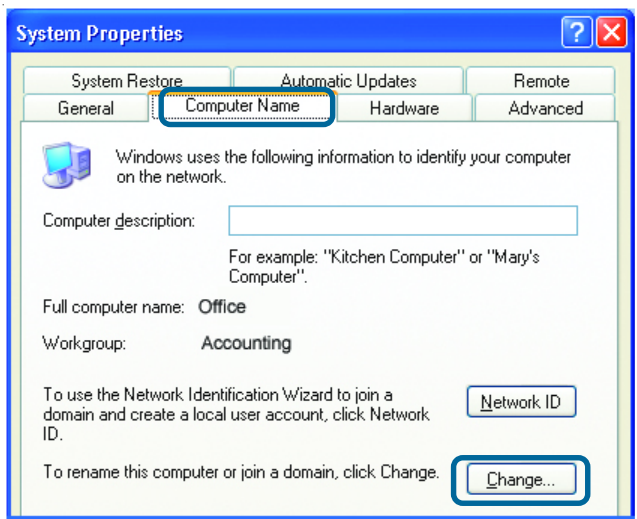
How to assign a Name to your computer (continued)

To name your computer, please follow these directions in **Windows XP**:

- Click **Start** (in the lower left corner of the screen)
- Right-click **My Computer**
- Select **Properties** and Click



- Select the **Computer Name** tab in the System Properties window.

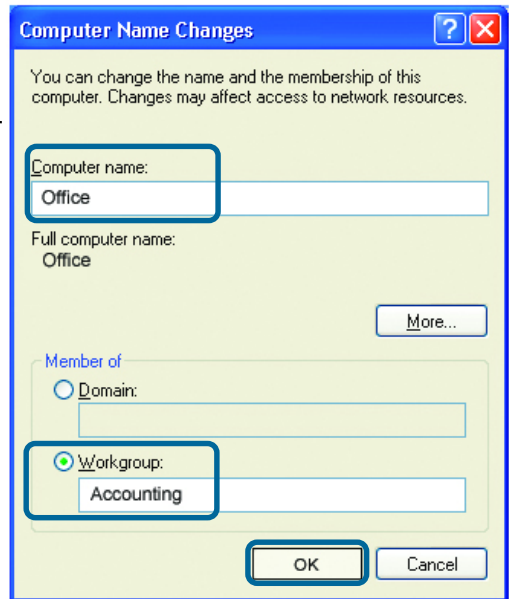


- You may enter a **Computer Description** (optional).
- To rename the computer and join a domain, Click **Change**.

Networking Basics (continued)

How to assign a Name to your Computer (continued)

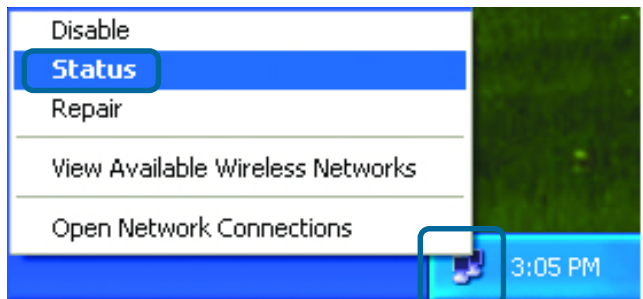
- In this window, enter the **Computer name**
- Select **Workgroup** and enter the name of the **Workgroup**
- All computers on your network must have the same **Workgroup** name.
- Click **OK**



How to find your IP Address in Windows XP

The adapter-equipped computers in your network must be in the same IP Address range. To verify the IP Address of the adapter, please do the following:

- Right-click on the **Local Area Connection icon** in the task bar
- Click on **Status**



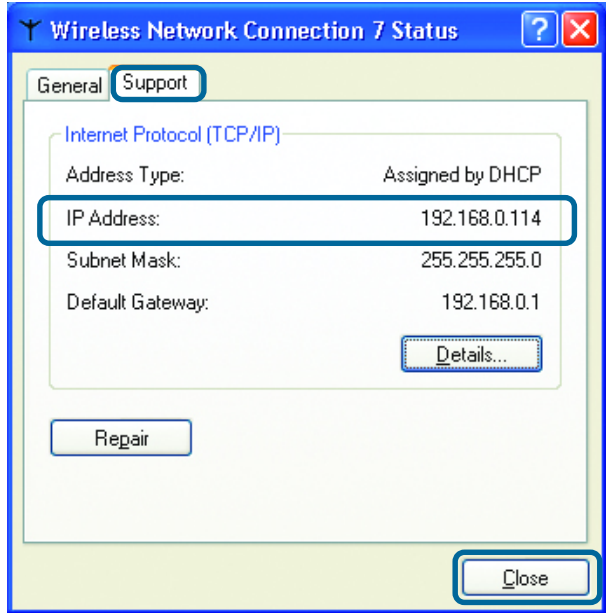
Networking Basics (continued)

How to find your IP Address in Windows XP (continued)

This window will appear.

- Click the **Support** tab

- Click **Close**

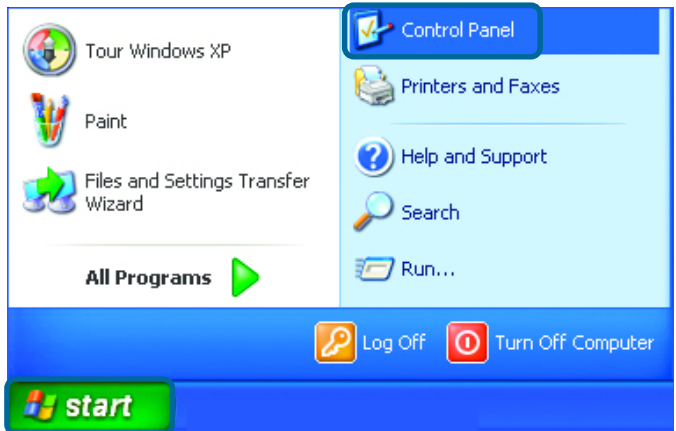


Assigning a Static IP Address in Windows XP/2000

Note: Residential Gateways/Broadband Routers will automatically assign IP Addresses to the computers on the network, using DHCP (Dynamic Host Configuration Protocol) technology. If you are using a DHCP-capable Gateway/Broadband Router you will not need to assign Static IP Addresses.

If you are not using a DHCP capable Gateway/Broadband Router, or you need to assign a Static IP Address, please follow these instructions:

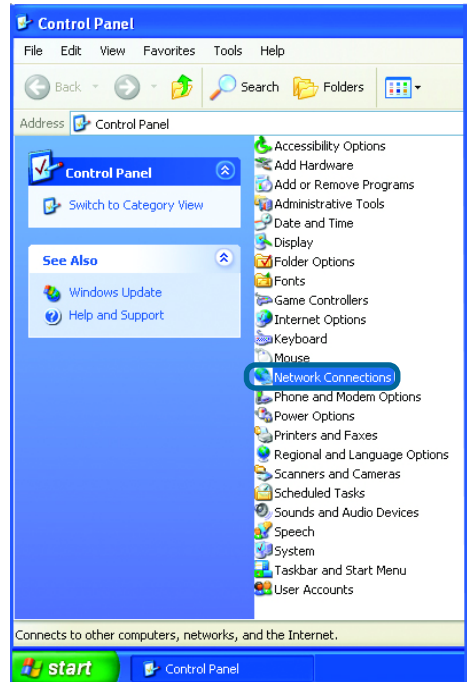
- Go to **Start**
- Double-click **Control Panel**



Networking Basics (continued)

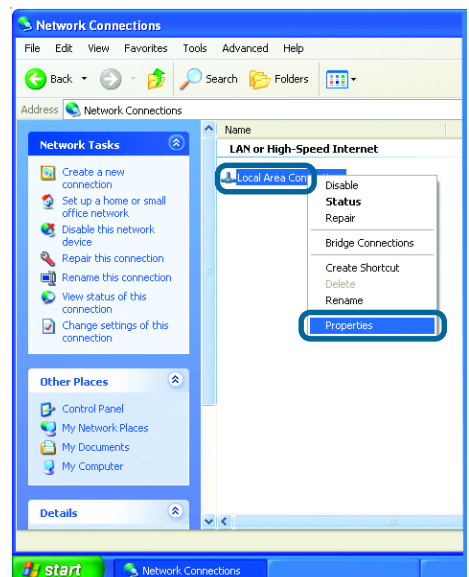
Assigning a Static IP Address in Windows XP/2000 (continued)

- Double-click **Network Connections**



- Right-click **Local Area Connections**

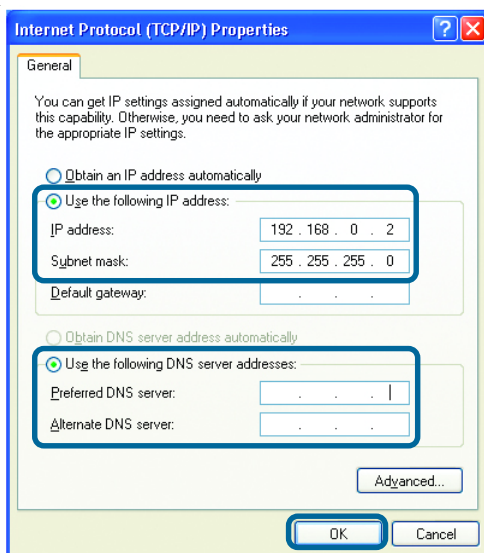
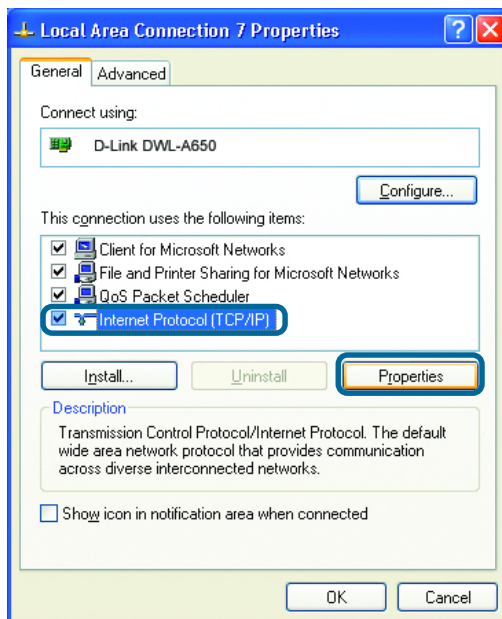
- Double-click **Properties**



Networking Basics (continued)

Assigning a Static IP Address in Windows XP/2000 (continued)

- Click **Internet Protocol (TCP/IP)**
- Click **Properties**
- Select **Use the following IP Address** in the **Internet Protocol (TCP/IP) Properties** window.
- Input your **IP Address and subnet mask**. (The IP Addresses on your network must be within the same range. For example, if one computer has an IP Address of 192.168.0.2, the other computers should have IP Addresses that are sequential, like 192.168.0.3 and 192.168.0.4. The subnet mask must be the same for all the computers on the network.)
- Input your **DNS server addresses**. (Note: If you are entering a DNS server, you must enter the IP Address of the Default Gateway.)



The DNS server information will be supplied by your ISP (Internet Service Provider.)

- Click **OK**

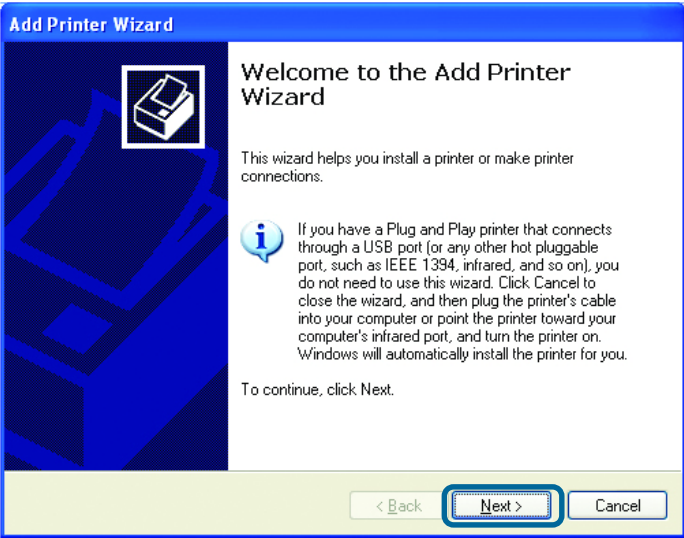
Networking Basics (continued)

Sharing an LPR Printer (continued)

To share an **LPR printer** (using a print server,) you will need a Print Server such as the **DP-311P**. Please make sure that you have run the **Network Setup Wizard** on all the computers on your network. To share an **LPR printer**, please follow these directions:

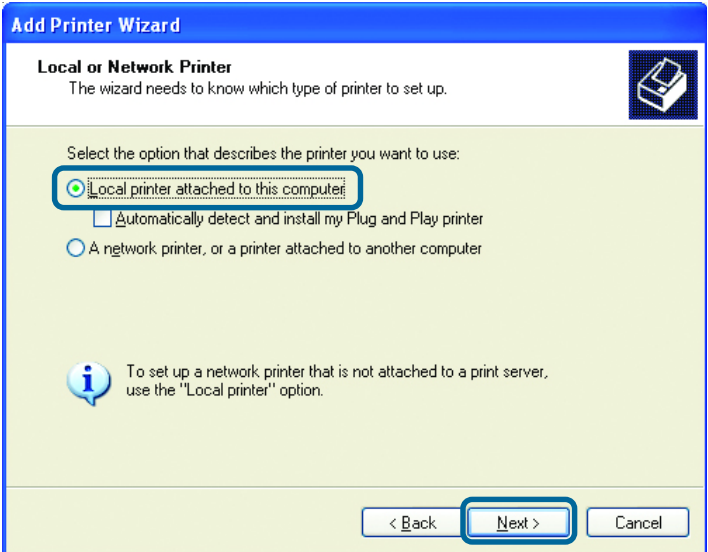
- Go to **Start > Printers and Faxes**
- Click on **Add a Printer**

The screen to the right will appear



- Click **Next**

- Select **Local Printer...**

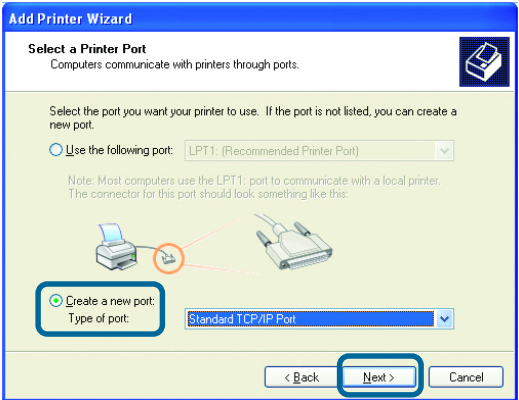


- Click **Next**

Networking Basics (continued)

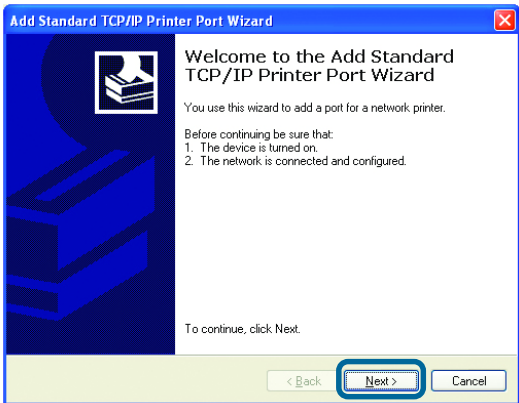
Sharing an LPR Printer (continued)

- Select **Create a new port**
- From the pull-down menu, select **Standard TCP/IP Port**, as shown.



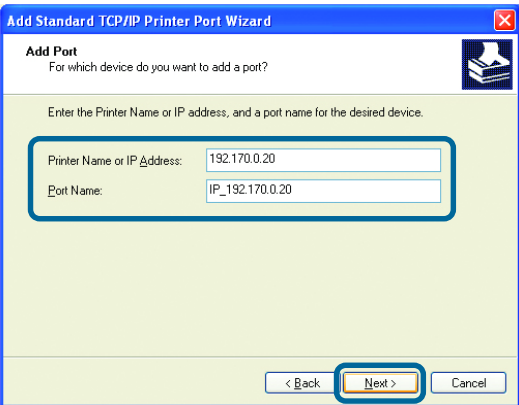
- Click **Next**

- Please read the instructions on this screen



- Click **Next**

- Enter the **Printer IP Address** and the **Port Name**, as shown.



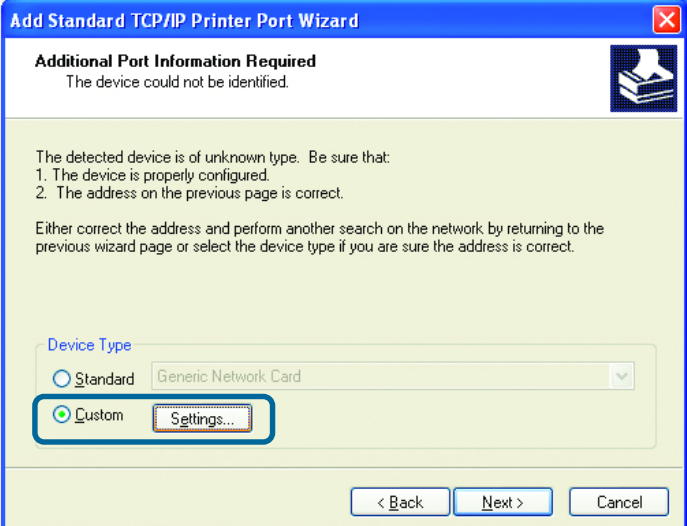
- Click **Next**

Networking Basics

Sharing an LPR printer (continued)

- In this screen, select **Custom**.

- Click **Settings**.



Add Standard TCP/IP Printer Port Wizard

Additional Port Information Required
The device could not be identified.

The detected device is of unknown type. Be sure that:

1. The device is properly configured.
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

☐ Standard Generic Network Card

☒ Custom **Settings...**

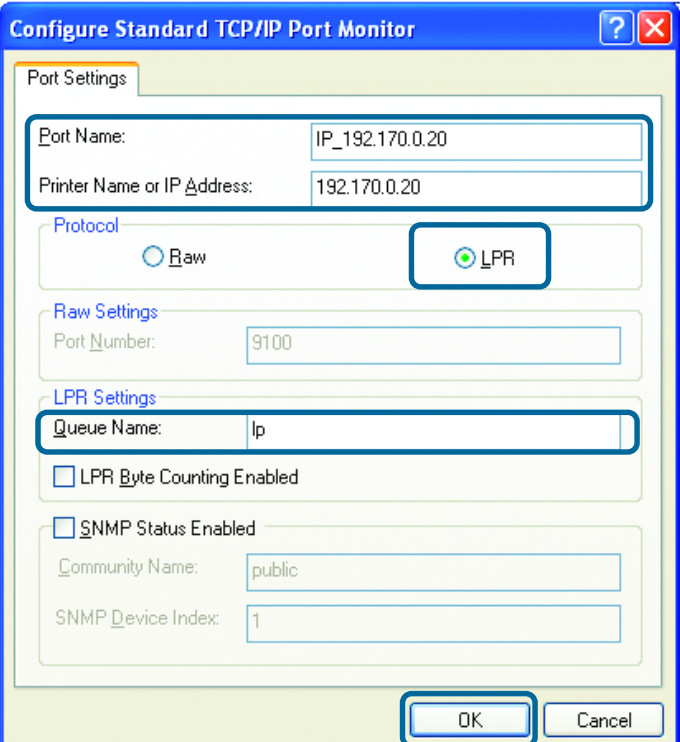
< Back Next > Cancel

- Enter the **Port Name** and the **Printer Name** or **IP Address**.

- Select **LPR**.

- Enter a **Queue Name** (if your Print-Server/ Gateway has more than one port, you will need a **Queue name**.)

- Click **OK**.



Configure Standard TCP/IP Port Monitor

Port Settings

Port Name: IP_192.170.0.20

Printer Name or IP Address: 192.170.0.20

Protocol

☐ Raw ☒ **LPR**

Raw Settings

Port Number: 9100

LPR Settings

Queue Name: lp

☐ LPR Byte Counting Enabled

☐ SNMP Status Enabled

Community Name: public

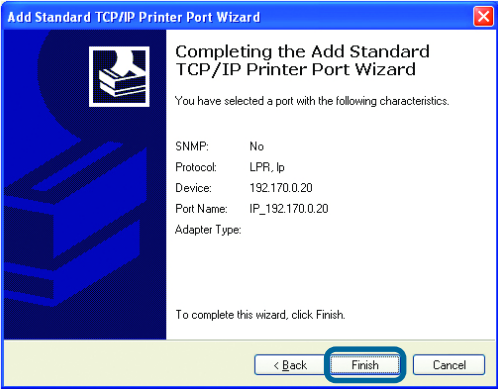
SNMP Device Index: 1

OK Cancel

Networking Basics

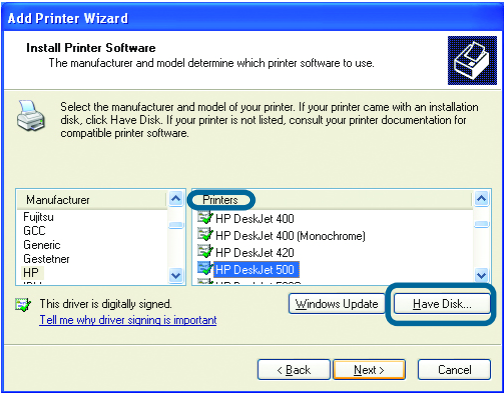
Sharing an LPR printer (continued)

- This screen will show you information about your printer.



- Click **Finish**.

- Select the **printer** you are adding from the list of **Printers**.

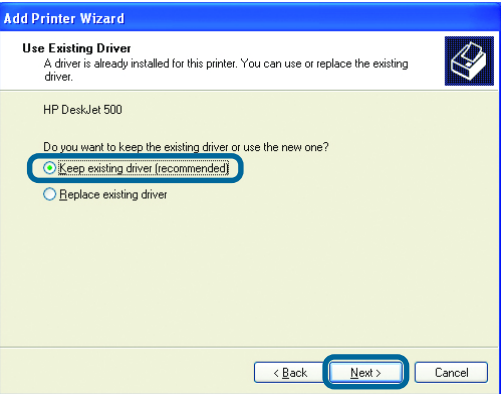


- Insert the printer driver disk that came with your printer.

- Click **Have Disk**.

If the printer driver is already installed, do the following:

- Select **Keep existing driver**.

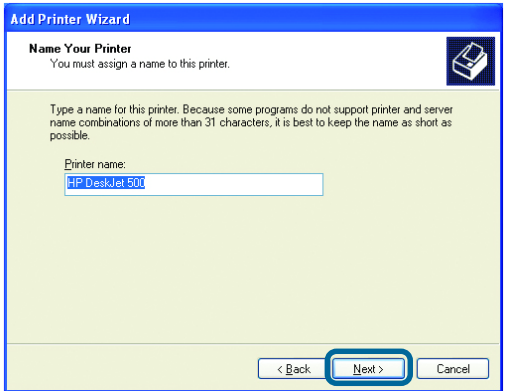


- Click **Next**.

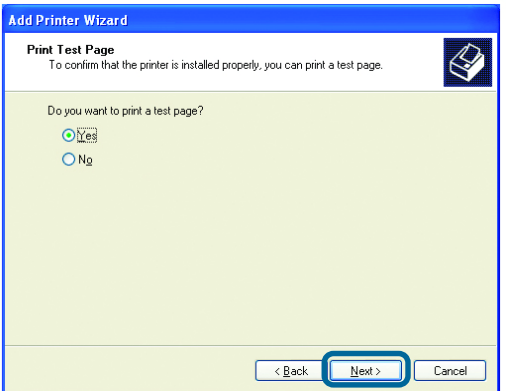
Networking Basics

Sharing an LPR printer (continued)

- You can rename your printer if you choose. It is optional.
- *Please remember the name of your printer. You will need this information when you use the **Add Printer Wizard** on the other computers on your network.*
- Click **Next**.

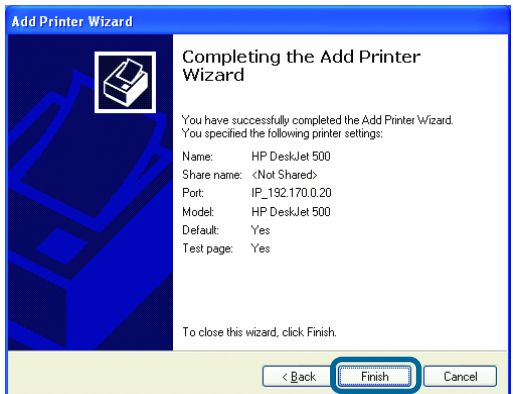


- Select **Yes**, to print a test page.
- Click **Next**.



This screen will display information about your printer.

- Click **Finish** to complete the addition of the printer.
- Please run the **Add Printer Wizard** on all the computers on your network in order to share the printer.



*Note: You must run the **Network Setup Wizard** on all the computers on your network before you run the **Add Printer Wizard**.*

Technical Specifications

Standard-	Complies with IEEE 802.11b Direct Sequence Spread Spectrum (DSSS) standard
Parallel-	1 DB-36-pin male Centronics port, supporting bi-directional communication
Radio Frequency-	2.4GHz Band
Media Access Control Method-	Carrier Sense Multiple Access / Collision Avoidance (CSMA/CA), with ACK
Modulation Types-	CCK (11 & 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
Operating Channels-	11 Channels (U. S. & Canada) 13 Channels (Pan Europe) 14 Channels (Japan)
Modes-	Ad-Hoc and Infrastructure (User-definable via Web management interface)
Data Transmission Rate-	Up to 11Mbps, with auto-fallback feature to 5.5Mbps, 2Mbps, 1Mbps
Output Power-	+13 ~ +17dBm (typical +15dBm)
Radio Sensitivity (BER < 8%)-	Min. -82 dBm for 11Mbps Min. -86 dBm for 5.5Mbps Min. -88 dBm for 1/2Mbps
Type of Antenna-	Internal, PIFA Type(Peak Gain: 2)
WEP (Wired Equivalent Privacy) Encryption-	Supports 64- and 128-bit (alphanumeric & hexadecimal)
Network Protocol Support	TCP/IP, IPX, NetBEUI, AppleTalk, LPR, SMB (over IP)

Technical Specifications (continued)

CPU-	ARM7-based RISC microprocessor, operating at 50MHz
Flash-	1Mbytes
System Memory-	2Mbytes SDRAM
Parallel Port-	1 DB-36-pin male Centronics port, supporting bi-directional communication
Size-	53 x 64mm (tolerance: 1mm)
Power Supply-	5V, 2.0A
EMI Certifications-	CE / FCC Class B
Temperature-	Operating: 0 ~ 50°; Storage -5 ~ 65°
Humidity-	Operating: 0 ~ 70%; Storage 0 ~ 80%

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

(USA only)

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 of 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. 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.
- Return Merchandise Ship-To Address
USA: 53 Discovery Drive, Irvine, CA 92618
Canada: 2180 Winston Park Drive, Oakville, ON, L6H 5W1 (Visit <http://www.dlink.ca> for detailed warranty information within Canada)

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, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO NINETY (90) DAYS. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISKS AS TO THE 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 UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS 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 OF GOODWILL, 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 CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS 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 BY THE 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.

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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 radio frequency 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.

For detailed warranty outside the United States, please contact corresponding local D-Link office.

FCC Caution:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment; such modifications could void the user's authority to operate the 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. The antenna(s) used for this equipment must be installed to provide a separation distance of at least eight inches (20 cm) from all persons.

This equipment 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 1:
DP-311P Printer Compatibility List

Brand	Printer's Name
Brother	HL 1260
CANON	S520
CANON	BJC-4300
CANON	BJ-330
CANON	BJ F9000
CITIZEN	GSX-230
EPSON	STYLUS—color670
EPSON	STYLUS C60
EPSON	PM 700C
EPSON	LQ-680
EPSON	LQ-2170C
EPSON	LQ-100 ESC/P2
EPSON	EPL 5800
FUJITSU	DL700
FUJITSU	DL6400 Pro
FUJITSU	DL3400
HP	LaserJet 6P
HP	LaserJet 1200 series
HP	DeskJet 810C
HP	DeskJet 500
HP	DeskJet 400
HP	DeskJet 1220C
HP	DeskJet 1125C
Panasonic	KX-P1121
STAR	NX-2420
Kyocera	FS-1010
LEXMARK	Z43
NEC	PINWRITER P8000C
NEC	PINWRITER P5300
NEC	PINWRITER P2200
OKI	Microline 391 turbo
Panasonic	KX-P1624
Panasonic	KX-P1121
STAR	NX-2420

Appendix 2:

DP-311P Incompatible Printer List

No.	Printer Model
1.	ALPS AlpsLSX-1600
2.	Canon BJC 610, 620
3.	Canon BJC 5100, 5000
4.	Canon FAX L350
5.	Canon LBP 660
6.	Canon LBP 800
7.	Canon LBP 430W
8.	Citizen NoteBOOKII/PN48
9.	Epson Stylus Scan 2000
10.	Epson Stylus Scan 2500
11.	Lexmark ColorJet Print 2050
12.	Olivetti PG304
13.	OKI Page 8W
14.	HP Leaser Jet 1000
15.	EPSON 5900L
16.	Canon LBP 810
17.	Samsung ML-1210
18.	Epson 6100L
19.	Epson AcuLaser C900
20.	Epson AcuLaser C1000

Please note that the DP-311P:

- **Cannot support all GDI printers**
- **Supports only Postscript printers with Mac OS**
- **May not work with MFP (Multi Function Printers)**

Appendix 3:

Alternate Ways of Upgrading the Firmware in Netware / Windows / Unix

If you do not choose to use the Firmware upgrade feature in the DP-311P web browser based configuration utility, you can use one of the following Operating System specific procedures:

- 1 Before you proceed to upgrade the print server, check <http://support.dlink.com> for the latest firmware upgrades, and download the latest firmware onto your hard drive.
- 2 Please ensure that the print server is not printing jobs. You must wait till all print jobs are finished before you can proceed.

Upgrading the print server from PSAdmin

1. Log into your NetWare file server as a Supervisor (Admin.) or equivalent.
2. Ensure binary file is located in the PSAdmin directory.
3. Run **PSAdmin** from your Windows PC.
4. Click the **Upgrade** icon in tool bar.

Upgrading the print server from Windows 2000/XP

1. Ensure that the binary file is located in your current working directory.
2. At 2000/XP's DOS prompt type "**tftp <print server's IP address> get upgrade**".
3. Type "**tftp -i <print server's IP address> put mps23.bin**".
4. Wait for the "transfer is successful" message.
5. The upgrade is complete!

Appendix 3:

Alternate Ways of Upgrading the Firmware in Netware / Windows / Unix (continued)

Upgrading the print server from UNIX (Through TCP/IP)

1. Log in as root.
2. Ensure that the binary file is located in your current working directory.
3. Type "**tftp <print server's IP address>**".
4. At tftp prompt, type "**get upgrade**".
5. Change to binary mode.
6. At tftp prompt, type "**put mps23.bin**".
7. Wait for the file transfer to complete.
8. Quit from tftp.
9. The upgrade is complete!.