#### Networking Basics Naming your Computer

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

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



- Select the Computer Name Tab in the System Properties window.
- You may enter a Computer Description if you wish; this field is optional.
- To rename the computer and join a domain, Click **Change**.

System n	Restore Automatic Updates Remote		Remote
General	Computer Name	Hardware	Advanced
Computer <u>d</u> es	For example: Computer''.	"Kitchen Computer" (	or "Mary's
Full computer	name: Office		
	Accounting		
Workgroup:	Accounting		

#### **Networking Basics** *Naming your Computer*

In this window, enter the Computer name.	Computer Name Changes
Select Workgroup and enter the name of the Workgroup.	You can change the name and the membership of this computer. Changes may affect access to network resources.
<ul> <li>All computers on your network must have the same Workgroup name.</li> </ul>	Office Full computer name: Office
Click OK.	Member of
	Workgroup:     Accounting     OK Cancel

#### Checking the IP Address in Windows XP

The wireless adapter-equipped computers in your network must be in the same IP Address range (see Getting Started in this manual for a definition of IP Address Range). To check on the IP Address of the adapter, please do the following:

Right-click on the	Disable	State of the
Local Area	Status	Section 8
<i>Connection icon</i> in the task bar.	Repair	<b>MARCHIN</b>
	View Available Wireless Networks	101.53
	Open Network Connections	
Click on <b>Status</b> .		3:05 PM

#### Networking Basics Checking the IP Address in <u>Windows XP</u>

This window will appear.	↑ Wireless Network Connec	tion 7 Status 🛛 ? 🔀
<ul> <li>Click the</li> <li>Support tab.</li> </ul>	General Support Internet Protocol (TCP/IP) Address Type: IP Address: Subnet Mask: Default Gateway:	Assigned by DHCP 192.168.0.114 255.255.255.0 192.168.0.1
Click Close.	Regair	<u>D</u> etails

## Assigning a Static IP Address in Windows XP/2000

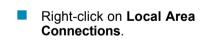
#### Note: Residential Gateways/Broadband Routers will automatically assign IP Addresses to the computers on the network, using DHCP (Dynamic Host Configuration Protocol) technology. If you are using a DHCP-capable Gateway/Router you will not need to assign Static IP Addresses.

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

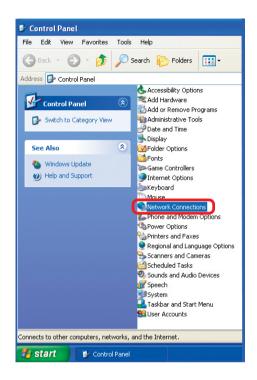
Go to <b>Start</b> .	Tour Windows XP	Control Panel
Double-click c	Files and Settings Transfer Wizard	<ul> <li>Help and Support</li> <li>Search</li> <li>Run</li> </ul>
	, , , , , , , , , , , , , , , , , , ,	🖉 Log Off 🚺 Turn Off Computer
	🛃 start	

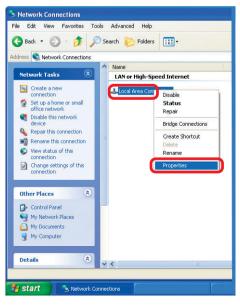
#### Networking Basics Assigning a Static IP Address in <u>Windows XP/2000</u>

Double-click on **Network Connections**.



 Single-click on Properties.





#### Networking Basics Assigning a Static IP Address in <u>Windows XP/2000</u>

- Click on Internet Protocol (TCP/IP).
- Click Properties.

- 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).

👍 Local Area Connection 7 Properties 🛛 🔹 🔀
General Advanced
Connect using:
B D-Link DWL-A650
<u>Configure</u> This c <u>o</u> nnection uses the following items:
Client for Microsoft Networks     Gient for Microsoft Networks     GoS Packet Scheduler     Internet Protocol (TCP/IP)
□Install Uninstall Properties
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
OK Cancel

Internet Protocol (TCP/IP) Prope	rties ? 🔀
General	
You can get IP settings assigned auton this capability. Otherwise, you need to a the appropriate IP settings.	
O Obtain an IP address automatical	y
O Use the following IP address:	
IP address:	192.168.0.2
S <u>u</u> bnet mask:	255.255.255.0
<u>D</u> efault gateway:	· · ·
O Obtain DNS server address autom	natically
OUse the following DNS server add	Iresses:
Preferred DNS server:	
Alternate DNS server:	· · ·
	Advanced
	OK Cancel

#### Networking Basics Assigning a Static IP Address with <u>Macintosh OSX</u>

- Go to the Apple Menu and select System Preferences.
  - Click on Network.

- Select Built-in Ethernet in the Show pull-down menu.
- Select Manually in the Configure pull-down menu.



	Location: Automatic	+
w: Built-in Ether	net 🗘	
	✓ Manually	oxies
Configure	Manuany using DHCI Using DHCP Using BootP	P Router
IP Address:	(Provided by DHCP Server)	
Subnet Mask:	255.255.255.0	
Router:	192.168.0.1	Search Domains (Optional)
DHCP Client ID:	(Optional)	
Ethernet Address:		Example: apple.com, earthlink.net

- Input the Static IP Address, the Subnet Mask and the Router IP Address in the appropriate fields.
- i 🗉 0 Displays Sound Network Startup Disk Show All Location: Automatic \$ Show: Built-in Ethernet \$ TCP/IP PPPoE AppleTalk Proxies Configure: Manually \$ Domain Name Servers (Optional) IP Address: 192.168.0.2 Subnet Mask: 255.255.255.0 Search Domains (Optional) Router: 192.168.0.1 Example: apple.com, earthlink.net Ethernet Address: 00:09:93:75:de:5a Click the lock to prevent further changes. Apply Now

Network

000

Click **Apply Now**.

#### Networking Basics Selecting a Dynamic IP Address with <u>Macintosh OSX</u>

- Go to the **Apple Menu** and select **System Preferences**.
  - Click on Network.



- Select Built-in Ethernet in the Show pull-down menu.
- Select Using DHCP in the Configure pull-down menu.

All Displays Sour		
	Location: Automatic	\$
w: Built-in Ether	net 🗘	
ſ	Manually	le Talk Proxies
	Manually using DHC	Router
Configure	✓ Using DHCP	
	Using BootP	Domain Name Servers (Optional)
IP Address:		
ii Address.	(Provided by DHCP Server)	
Subnet Mask:	255.255.255.0	
Bouter	192.168.0.1	Search Domains (Optional)
nouter.	102.100.0.1	
DHCP Client ID:		
	(Optional)	
Ethernet Address:		Example: apple.com, earthlink.net

- Click Apply Now.
- The IP Address, Subnet mask, and the Router's IP Address will appear in a few seconds.

00	Network	
iow All	Displays Sound Network Startup Disk	
	Location: Automatic 🗧	
Show:	Built-in Ethernet	
	TCP/IP PPPoE AppleTalk Proxies	
	Configure: Using DHCP +	
	Domain Name Servers (Optiona	i))
ſ	IP Address: 192.168.0.160 (Provided by DHCP Server)	
	Subnet Mask: 255.255.255.0	
l	Router: 192.168.0.1 Search Domains (Optiona	I)
DI	HCP Client ID:	
Ethe	(Optional) Example: apple.com, earthlink.net	
	ck the lock to prevent further changes. Apply	Now

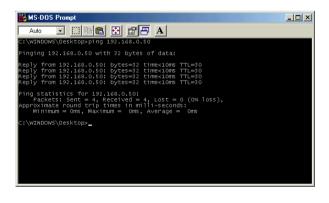
#### **Networking Basics** Checking the Wireless Connection by <u>Pinging in Windows XP and</u> <u>2000</u>

Go to Start > Run > type cmd. A window similar to this one will appear. Type ping XXX.XXX.XXX.XXX. where **xxx** is the **IP** Address of the Wireless Router or Access Point, A good wireless connection will show four replies from the Wireless Router or Acess Point. as shown.

 Image: Straight S

# *Checking the Wireless Connection by <u>Pinging in Windows Me and</u> <u>98</u>*

Go to Start > Run > type command. A window similar to this will appear. Type **ping** XXX.XXX.XXX.XXX where **xxx** is the **IP** Address of the Wireless Router or Access Point. A aood wireless connection will show four replies from the wireless router or access point, as shown.



#### **Networking Basics** Adding and Sharing Printers in <u>Windows XP</u>

After you have run the **Network Setup Wizard** on all the computers in your network (please see the **Network Setup Wizard** section at the beginning of **Networking Basics**), you can use the **Add Printer Wizard** to add or share a printer on your network.

Whether you want to add a **local printer** (a printer connected directly to one computer), share an **LPR printer** (a printer connected to a print server), or share a **network printer** (a printer connected to your network through a Gateway/Router), use the **Add Printer Wizard**. Please follow the directions below:

## First, make sure that you have run the <u>Network Setup Wizard</u> on all of the computers on your network.

On the following pages, we will show you these 3 ways to use the Add Printer Wizard:

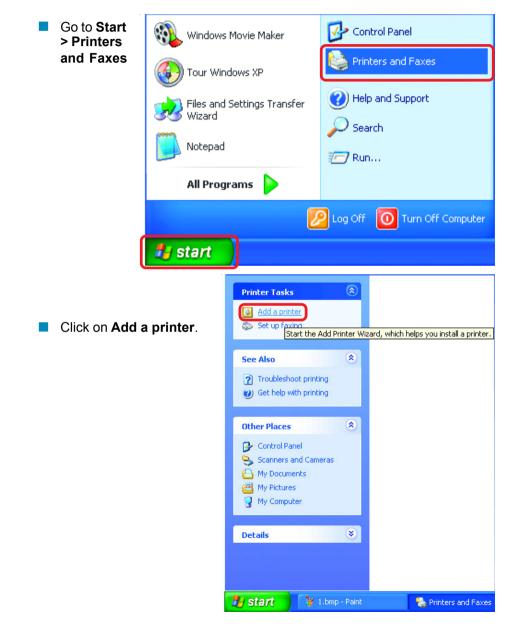
- **1. Adding a local printer**
- 2. Sharing an network printer
- 3. Sharing an LPR printer

## (Other Networking Tasks)

For help with other tasks, that we have not covered here, in home or small office networking, see **Using the Shared Documents** folder and **Sharing files and folders** in the **Help and Support Center** in Microsoft **Windows XP**.

#### **Networking Basics Adding a local printer** (a printer connected directly to a computer)

A printer that is not shared on the network and is connected directly to one computer is called a **local printer**. If you do not need to share your printer on a network, follow these directions to add the printer to one computer.

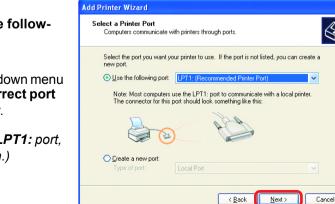






Click Next.

Add Printer Wizard	
Local or Network Printer The wizard needs to know which type of printer to set up.	
Select the option that describes the printer you want to use:	
<back next=""> Cancel</back>	J



Click Next.

Select Use the following port:

From the pull-down menu select the correct port for your printer.

(Most computers use the **LPT1:** port, as shown in the illustration.)



- Select and highlight the correct driver for your printer.
  - Click Next.

(If the correct driver is not displayed, insert the CD or floppy disk that came with your printer and click **Have Disk**.)

 At this screen, you can change the name of the printer (optional).



Add Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name: HP DeskJet 500
< Back Next > Cancel

Click Next.

Select Yes, to print a test page. A successful printing will confirm that you have chosen the correct driver.

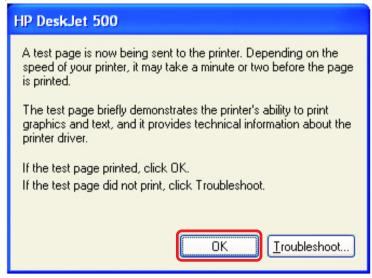


This screen gives you information about your printer.



Click Finish.

When the test page has printed,

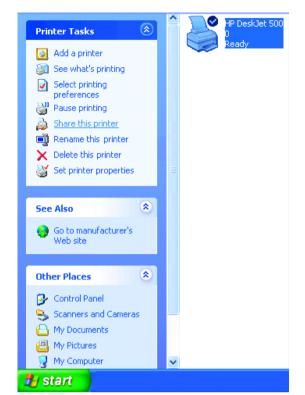


Click OK.

Go to Start > Printers and Faxes.

A successful installation will display the printer icon as shown at right.

You have successfully added a local printer.



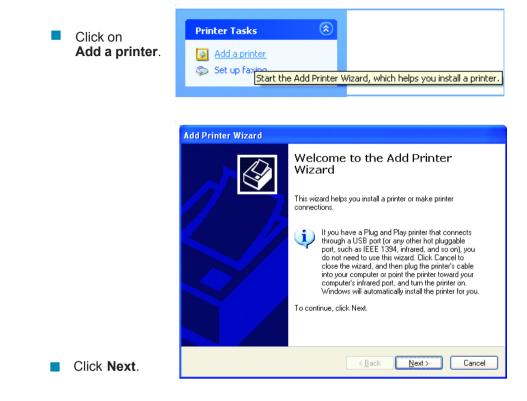
#### Sharing a network printer

After you have run the **Network Setup Wizard** on all the computers on your network, you can run the **Add Printer Wizard** on all the computers on your network. Please follow these directions to use the **Add Printer Wizard** to share a printer on your network:





#### **Networking Basics** *Sharing a network printer*



Select Network Printer.

Click Next.

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

#### Networking Basics Sharing a network printer

Select Browse for a printer.

Add Prin	ter Wizard
If y	iy a Printer ou don't know the name or address of the printer, you can search for a printer at meets your needs.
	nat printer do you want to connect to? Browse for a printer
0	Connect to this printer (or to browse for a printer, select this option and click Next):
0	Example: \\server\printer Connect to a printer on a home or office network:
Ŭ	URL:
	Example: http://server/printers/myprinter/.printer
	< Back Next> Cancel

Select the printer you would like to share.

Click Next.

Click Next.

Add Printer Wizard			
Browse for Printer When the list of pr	inters appears, select	the one you want to use.	
Erinter: VVQC3VHP Shared printers: DLINK E IQC2 C3 HPDeskJe		HP DeskJet 500	
Printer information Comment: Status: Read	ly	Documents waiting:	0
		< <u>B</u> ack <u>N</u> ext >	Cancel

