## Using the Network Setup Wizard in Windows XP

In this section you will learn how to establish a network at home or work, using **Microsoft Windows XP.** 

Note: Please refer to websites such as <u>http://www.homenethelp.com</u> and <u>http://www.microsoft.com/windows2000</u> for information about networking computers using Windows 2000, ME or 98.

Go to Start>Control Panel>Network Connections Select Set up a home or small office network



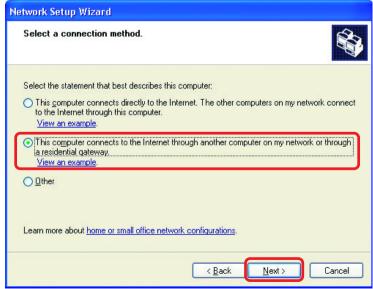
When this screen appears, Click Next.

Please follow all the instructions in this window:

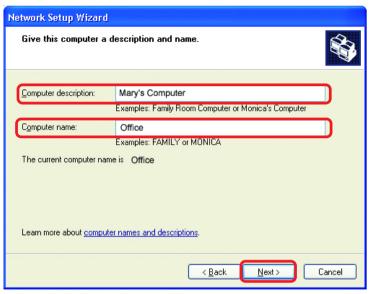


#### Click Next

In the following window, select the best description of your computer. If your computer connects to the internet through a gateway/router, select the second option as shown.



Enter a Computer description and a Computer name (optional.)



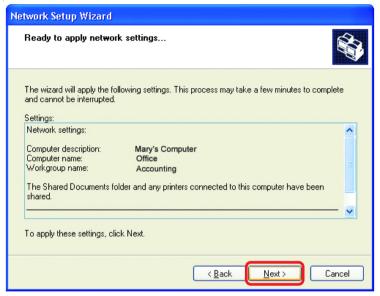
#### Click Next

Enter a **Workgroup** name. All computers on your network should have the same **Workgroup** name.

Name your netwo	rk.
Name your network b should have the sam	by specifying a workgroup name below. All computers on your network e workgroup name.
Workgroup name:	Accounting Examples: HOME or OFFICE

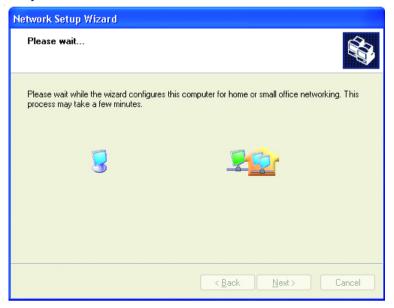
Click Next

Please wait while the Network Setup Wizard applies the changes.



When the changes are complete, click Next.

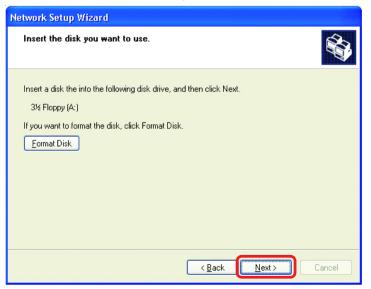
Please wait while the **Network Setup Wizard** configures the computer. This may take a few minutes.



In the window below, select the option that fits your needs. In this example, **Create a Network Setup Disk** has been selected. You will run this disk on each of the computers on your network. Click **Next**.



Insert a disk into the Floppy Disk Drive, in this case drive A.



Copying	×
60	D
Please wait while the wizard copies files	
	Cancel

Please read the information under **Here's how** in the screen below. After you complete the **Network Setup Wizard** you will use the **Network Setup Disk** to run the **Network Setup Wizard** once on each of the computers on your network. To continue click **Next**.

Network Setup Wizard
To run the wizard with the Network Setup Disk
Complete the wizard and restart this computer. Then, use the Network Setup Disk to run the Network Setup Wizard once on each of the other computers on your network. Here's how: 1. Insert the Network Setup Disk into the next computer you want to network. 2. Open My Computer and then open the Network Setup Disk. 3. Double-click "netsetup."
< <u>Back</u> Cancel

Please read the information on this screen, then click **Finish** to complete the **Network Setup Wizard**.

Network Setup Wizard	
	Completing the Network Setup Wizard
	You have successfully set up this computer for home or small office networking.
印办	For help with home or small office networking, see the following topics in Help and Support Center:
	<u>Using the Shared Documents folder</u> Sharing files and folders
	To see other computers on your network, click Start, and then click My Network Places.
	To close this wizard, click Finish.
	< <u>B</u> ack Finish Cancel

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

ffect.

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.

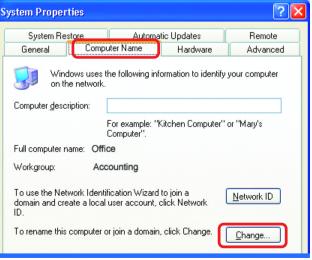
## Networking Basics Naming your Computer

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.



## Networking Basics Naming your Computer

In this window, enter the Computer name	Computer Name Changes
<ul> <li>Select Workgroup and enter the name of the Workgroup</li> </ul>	You can change the name and the membership of this computer. Changes may affect access to network resources. Computer name:
All computers on your network must have the same Workgroup page	Office Full computer name: Office
<ul><li>Workgroup name.</li><li>Click OK</li></ul>	Member of O Domain:
	Workgroup:     Accounting
	ОК 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	Restriction 1.
Local Area	Status	Section 8
<i>Connection</i> <i>icon</i> in the task	Repair	A DATE OF
bar	View Available Wireless Networks	
	Open Network Connections	
Click on Status		3:05 PM

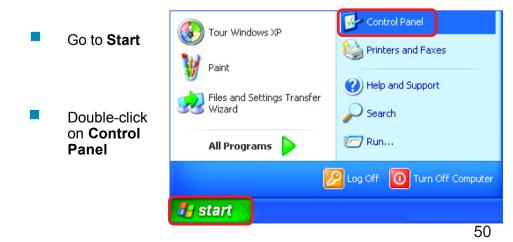
## Networking Basics Checking the IP Address in <u>Windows XP</u>

This window will appear.	★ Wireless Network Connection 7 Status	×
<ul> <li>Click the</li> <li>Support tab</li> </ul>	General       Support         Internet Protocol (TCP/IP)         Address Type:       Assigned by DHCP         IP Address:       192.168.0.114         Subnet Mask:       255.255.255.0         Default Gateway:       192.168.0.1         Details       Details	D
Click Close	Repair Close	

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

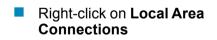
Note: Residential Gateways/Broadband Routers will automatically assign IP Addresses to the computers on the network, using DHCP (Dynamic Host Configuration Protocol) technology. If you are using a DHCP-capable Gateway/ Router you will not need to assign Static IP Addresses.

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

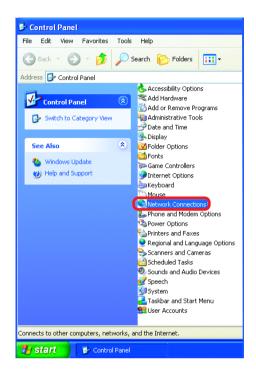


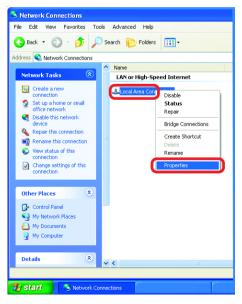
## Networking Basics Assigning a Static IP Address in <u>Windows XP/2000</u>

 Double-click on Network
 Connections



Double-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 vour 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
This connection uses the following items:
Client for Microsoft Networks  Client for Microsoft Networks  Client for Microsoft Networks  Client for Action of the format of the format is the format of the format is the format of the format is the format i
Install
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 D <u>b</u> tain DNS server address autor	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	· · ·
	Advanced
	OK Cancel

Click OK

## 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

000		.5	ratem Prefere	inces		
Shine All	Displays Steam	Network 1	tartup Duk			
Personal Desktop	Deck	General	John Market	(a) Lape	Screen Saver	Conserval Access
Hardware		evergy Saver	Keyboard	9	۵	
Internet &	Network	QuickTime	Jare 19			
System Q Classic	Data & Time	Con Software Update	Speech	Nama Dak	L	

	Location: Automatic	+
w: Built-in Ethe	rnet 💌	
(	✓ Manually	oxies
Configure	Manually Using DHCP 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

Click Apply Now

		Location: Automa	
how:	Built-in Ethern	net	•
_	5	TCP/IP PPPoE	AppleTalk Proxies
	Configure:	Manually	•
			Domain Name Servers (Optional)
	IP Address:	192.168.0.2	
	Subnet Mask:	255.255.255.0	
	Router:	192.168.0.1	Search Domains (Optional)
Eth	ernet Address	00:09:93:75:de:5a	Example: apple.com, earthlink.net

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

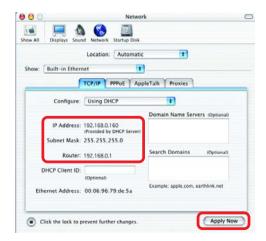
- Go to the Apple Menu and select System Preferences
  - Click on Network



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

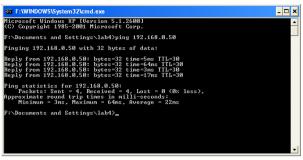
	Location: Automatic	•
ow: Built-in Ether	net 🚺	
[	Manually Manually using DHCI	oxies
Configure	V Using DHCP Using BootP	warme Servers (Optional)
IP Address:	(Provided by DHCP Server) 255.255.255.0	
	192.168.0.1	Search Domains (Optional)
DHCP Client ID:	(Optional)	
Ethernet Address:		Example: apple.com, earthlink.net

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



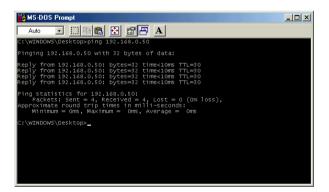
## **Networking Basics** Checking the Wireless Connection by <u>Pinging in Windows XP and</u> <u>2000</u>

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.



## Checking the Wireless Connection by <u>Pinging in Windows Me</u> <u>and 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 good wireless connection will show four replies from the wireless router or access point, as shown.



## Adding and Sharing Printers in Windows XP

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**:

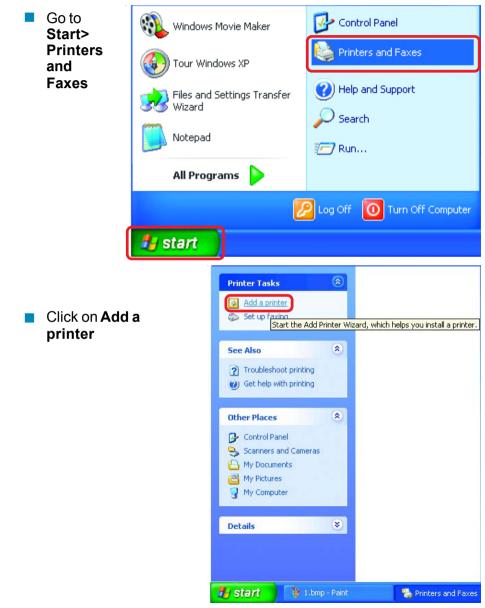
- 1. Adding a local printer
- 2. Sharing an network printer
- 3. Sharing an LPR printer

## (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.



## Networking Basics Adding a local printer





- Select Local printer attached to this computer
- (Deselect Automatically detect and install my Plug and Play printer if it has been selected.)

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:
● Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< <u>Back</u> <u>N</u> ext > Cancel

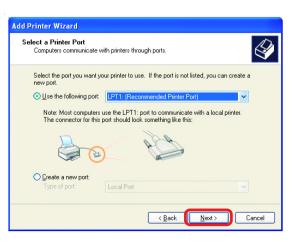
Select Use the following port:

Click Next

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

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



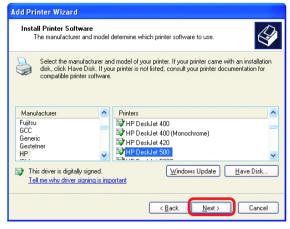


## Networking Basics Adding a local printer

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

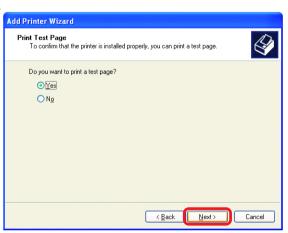
(If the correct driver is not displayed, insert the CD or floppy disk that came with your printer and click **Have Disk**.)

 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
< <u>B</u> ack Next> Cancel

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



## Networking Basics Adding a local printer

This screen gives you information about your printer.



## Click Finish

When the test page has printed,

