

D-Link Quick Installation Guide

This product works with the following operating system software: **Windows XP**, **Windows 2000**, **Windows Me**, **Windows 98se**



DWL-660

D-Link Air™
Wireless PC Card Adapter

Before You Begin

You must have at least the following:

- A laptop computer with an available PCMCIA slot
- At least a 300 MHz processor and 32 MB of memory
- PCMCIA Controller properly installed and working in the laptop computer
- An 802.11b Access Point (for Infrastructure Mode) or another 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode.)

Check Your Package Contents

These are the items included with your DWL-660 purchase:

- **DWL-660 Wireless PC Card Adapter**



- **CD-ROM (containing Drivers, Manual and Warranty)**



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

1

Insert the D-Link CD-ROM Into Your Computer

Turn on the computer and **Insert** the D-Link Air DWL-660 Driver CD in the CD-ROM drive.

The step-by-step instructions that follow are shown in **Windows XP**. The steps and screens are similar for the other Windows operating systems.



Do **NOT** install the DWL-660 PC Card into your computer before installing the driver software on the D-Link CD!

1

Insert the D-Link CD (continued)

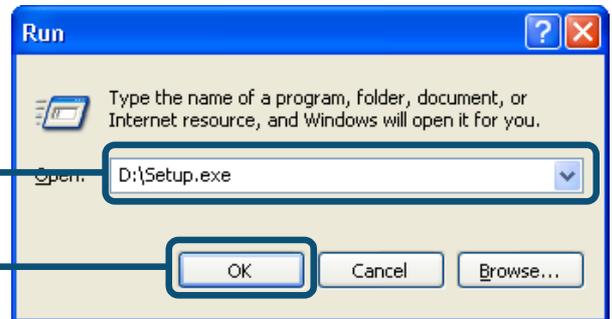
The Install Screen will appear.

Click **Install Driver/PC Utility**



If the CD Autorun function on your computer does not automatically start, go to **Start > Run** and type "D:\Setup.exe." If it does start, proceed to the next screen.

Type **"D:\Setup.exe."**

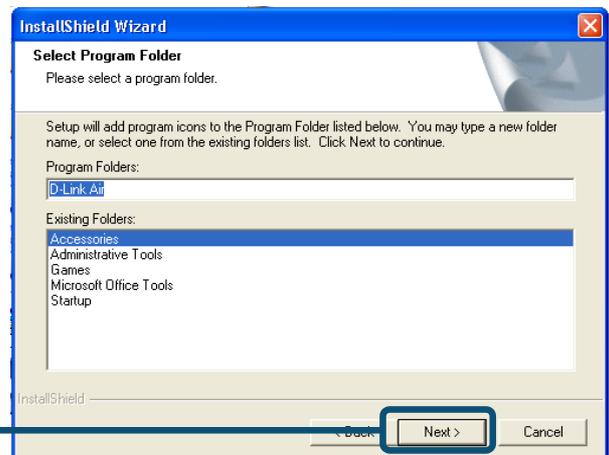


 The letter **"D"** represents the letter of the CD-ROM drive. Your CD-ROM drive may be a different drive letter.

Click **OK**

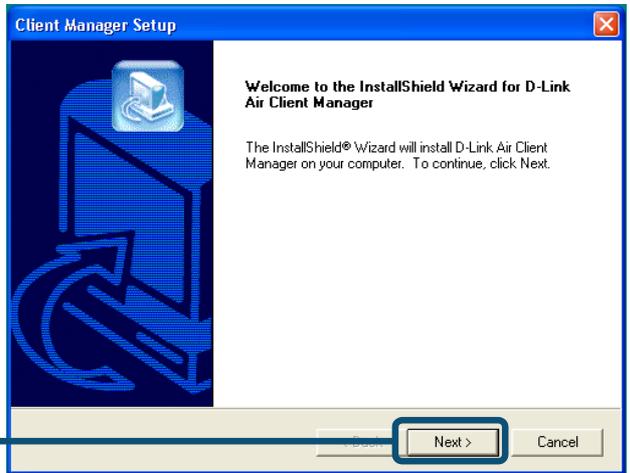


Click **Next**

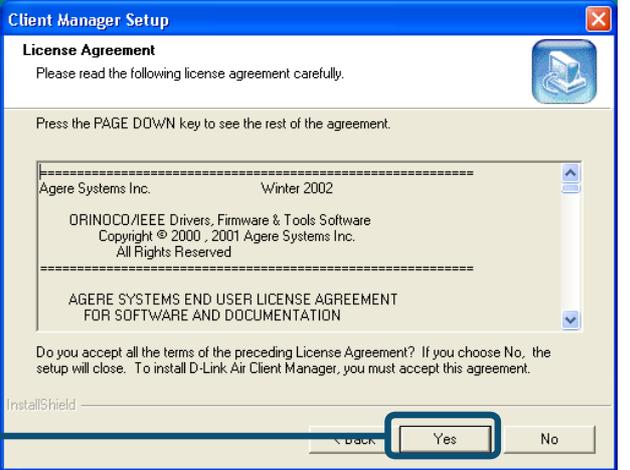


Click **Next**

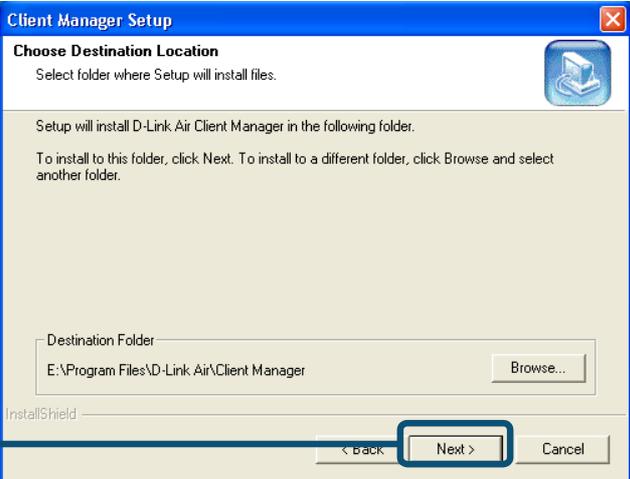
Click **Next**



Click **Yes**



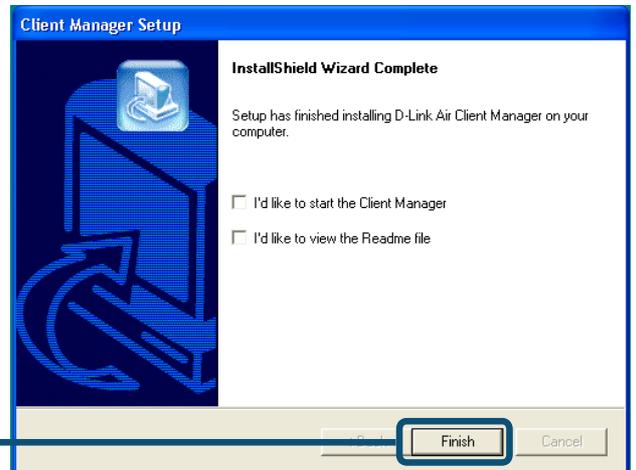
Click **Next**



Click **Next**



Click **Finish**



Shut down your laptop

2

Insert the DWL-660 Wireless PC Card Adapter Into the PCMCIA Slot in Your Laptop

- A.** Make sure to turn off the laptop computer.
- B.** Locate the PCMCIA slot on your laptop computer.



- C. Gently insert the DWL-660 into the PCMCIA slot in your laptop computer.

3

Restart Your Laptop Computer

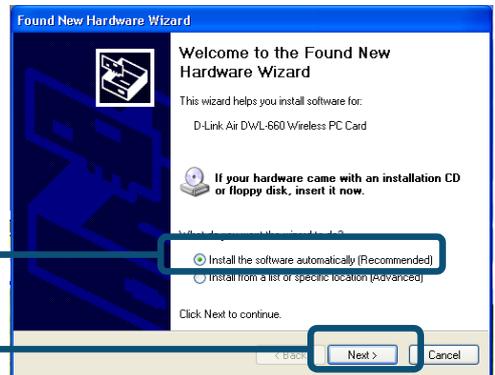
When you restart your computer this Found New Hardware Wizard (Windows XP) screen will appear:

Select **Install the software automatically (Recommended)**

Click **Next**

 Make sure to select the driver file that corresponds with the Operating System currently installed on your laptop.

Click **Next**



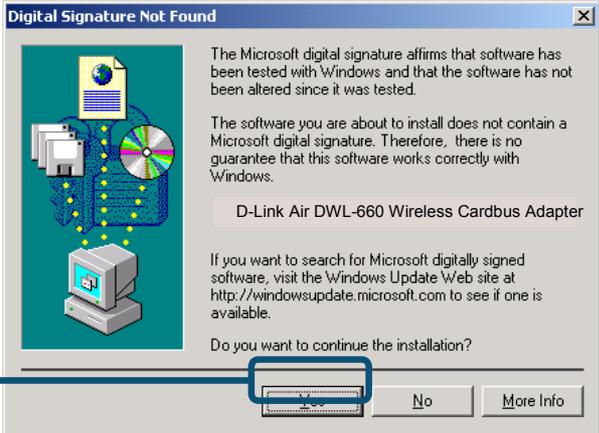
 **For Windows XP:**
this **Hardware Installation** alert screen may appear after the laptop computer restarts.

Click **Continue Anyway** to finalize the installation



The D-Link driver software for this device is undergoing Windows Logo testing. Microsoft certification is pending.)
For Windows 2000, this **Digital Signature Not Found** screen may appear after your computer restarts.

Click **Yes** to finalize the installation



For Windows Me and 98, after your computer restarts, this **Systems Settings Change** screen may appear

Select **Yes** to finalize the installation



Click **Finish**



4

Your Installation is Complete!

After you've continued in Windows XP (or after the computer restarts in the other Windows operating systems), the D-Link Air DWL-660 **Configuration Utility** will automatically start and the utility icon will appear in the bottom right hand corner of the desktop screen (systray). **If this icon appears GREEN, then you have successfully installed the DWL-660, are connected to a wireless network and are ready to communicate!**

Double-click the **utility icon** to use the configuration utility.



Using the Configuration Utility

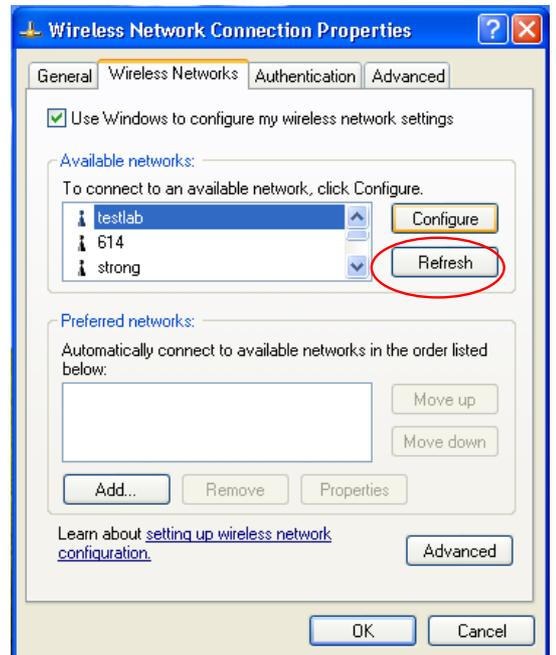
The **D-Link Air Client Manager** window will appear.

Click on **Actions**, then **Add/Edit Configuration Profile**



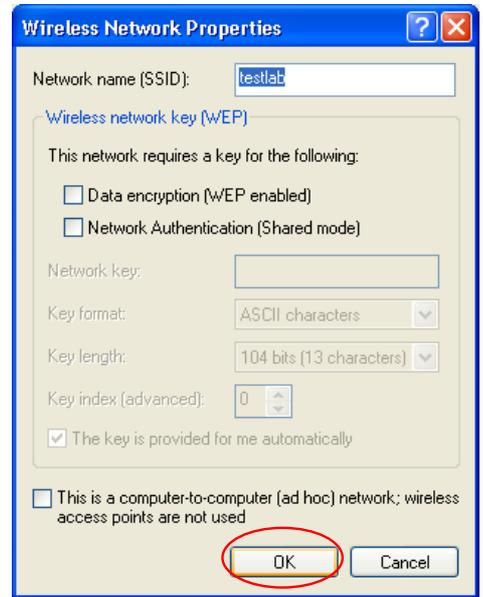
Screen shot taken using Windows XP. If you are using a different Operating system your screen may differ.

Select the wireless network to which you wish to connect from the list of Available Networks.



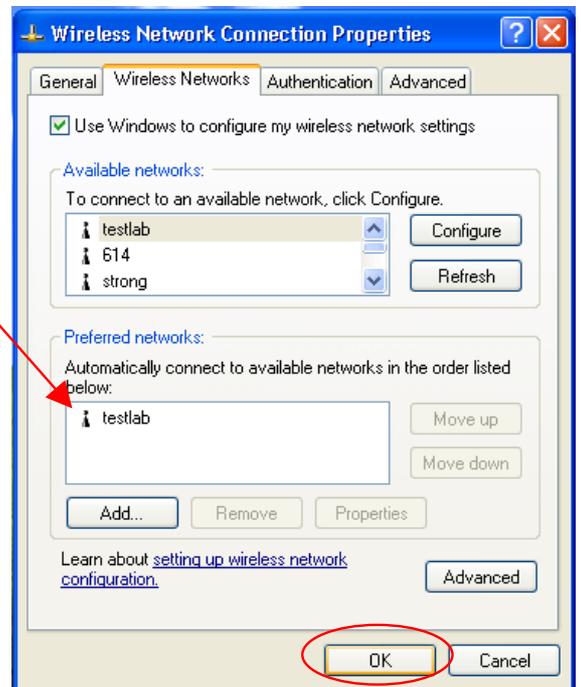
Click **Configure**

If the settings are correct for the Wireless Network, Click **OK**



The Wireless Network will now appear in the Preferred Networks.

Click **OK**.



The DWL-660 Client Manager should now show the current signal strength, channel, and SSID of the associated network.



APPENDIX

To connect to a network, make sure the proper network settings are configured for DWL-660.

For Microsoft Windows XP:

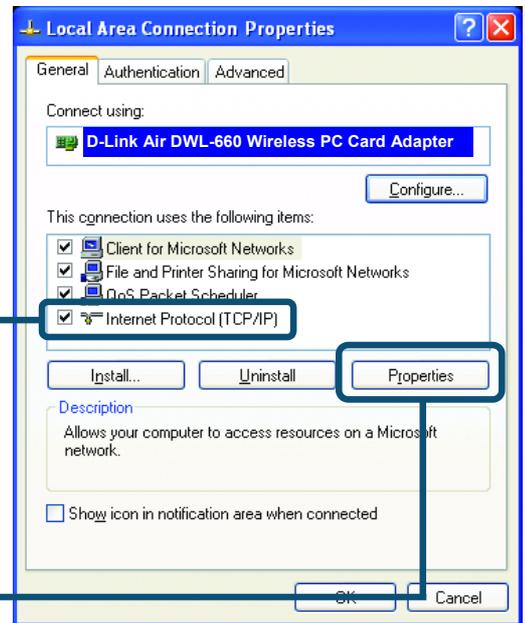
Go to **Start** > right click on

My Network Places >

select **Properties** > Double-click on the **Network Connection** associated with the DWL-660.

Click **Internet Protocol (TCP/IP)**

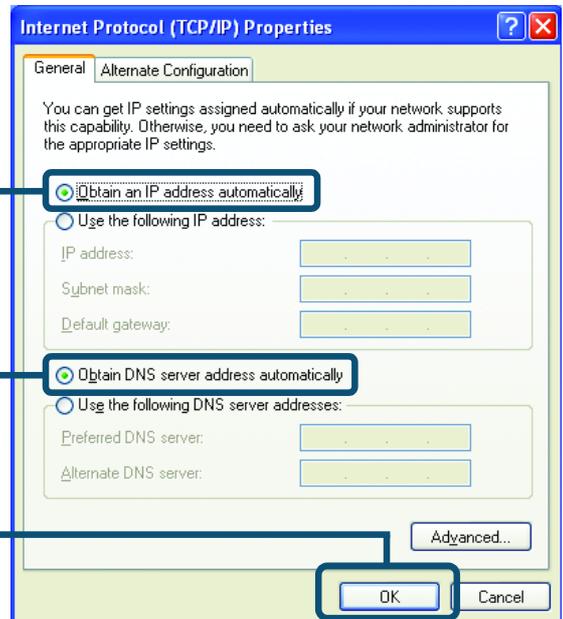
Click **Properties**



Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Obtain DNS server address automatically**

Click **OK**



Setup for wireless router or Access Point using **Static IP address**.

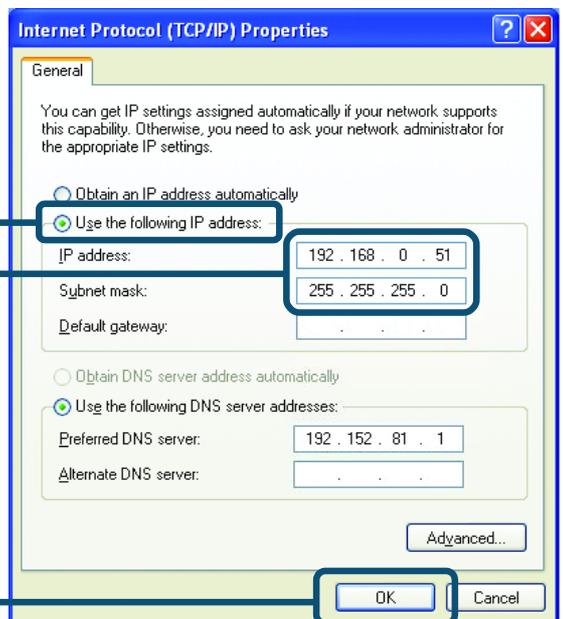
Select **Use the following IP address** (if the Wireless Router or Access Point does not have DHCP server enabled)

Input a static IP address on the same network, which will correspond with the Wireless Router or Access Point.

IP address: 192.168.0.51
Subnet mask: 255.255.255.0

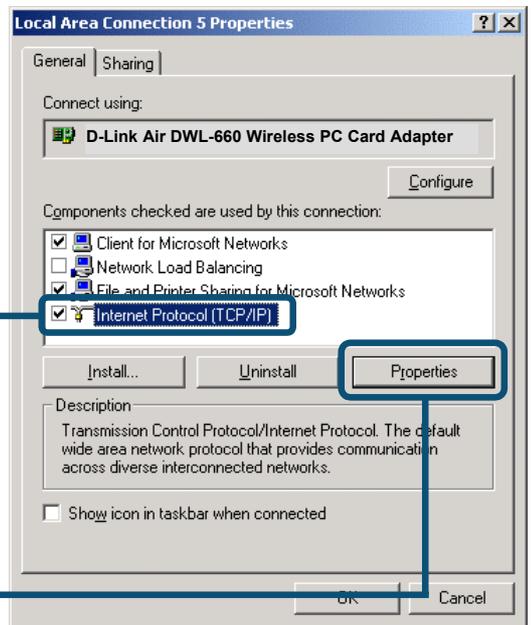
Your Internet service provider provides preferred DNS server information.

Click **OK**



For Windows 2000 users:

Go to **Start > Settings > Network and Dial-up Connections** > Double-click on the **Local Area Connection** associated with the DWL-660 > select **Properties**



Click **Internet Protocol (TCP/IP)**

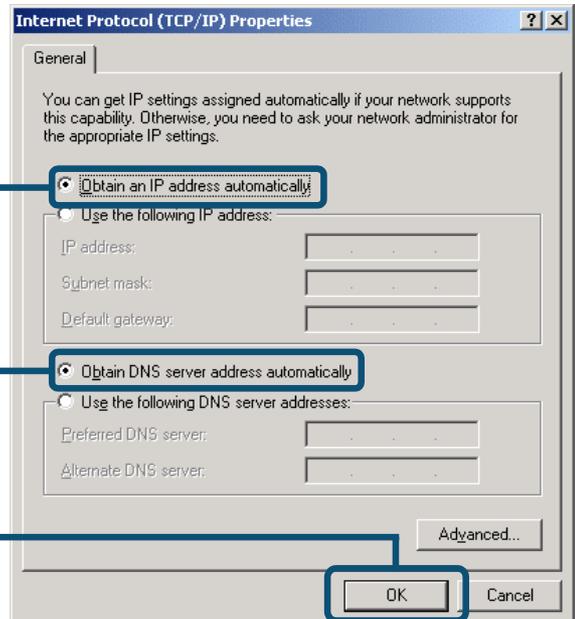
Click **Properties**

Setup for wireless router or Access Point using **DHCP server**.

Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Obtain DNS server address automatically**

Click **OK**



Setup for wireless router or Access Point using **Static IP address**.

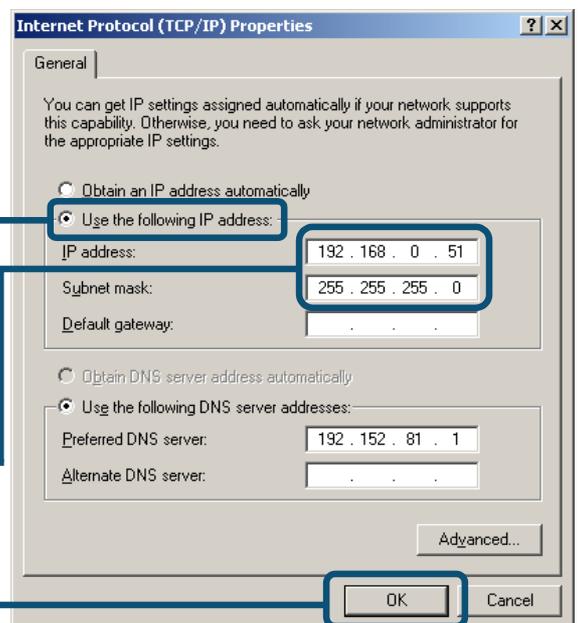
Select **Use the following IP address** (if the Wireless Router or Access Point does not have DHCP server enabled)

Input a static IP address on the same network, which will correspond with the Wireless Router or Access Point.

IP address: 192.168.0.51
Subnet mask: 255.255.255.0

Your Internet service provider provides preferred DNS server information.

Click **OK**

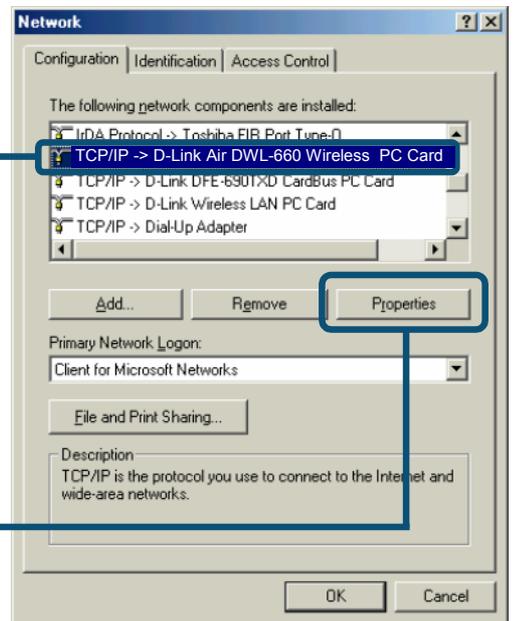


For Windows Me and 98 users:

Go to **Start > Settings > Control Panel >** Double-click on the **Local Area Connection** associated with the DWL-660 > select **Properties**

Click **Internet Protocol (TCP/IP)**

Click **Properties**

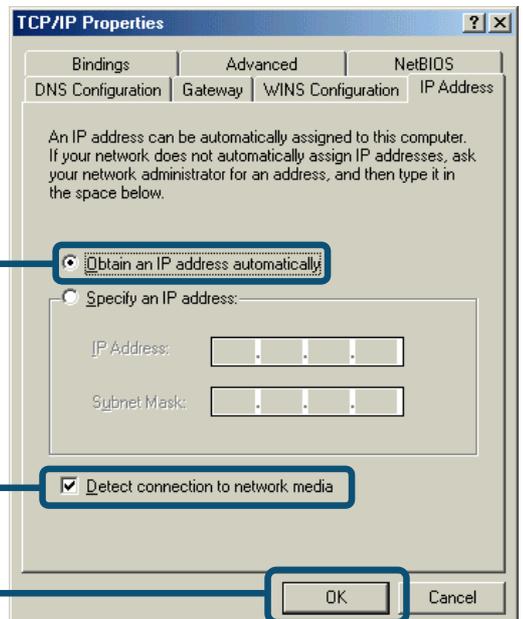


Setup for wireless router or Access Point using **DHCP** server.

Select **Obtain an IP address automatically** (if the Wireless Router or Access Point has DHCP server enabled)

Select **Detect connection to network media**

Click **OK**



Setup for wireless router or Access Point using **Static IP address**. Input a static IP address on the same network, which will correspond with the Wireless Router or Access Point.

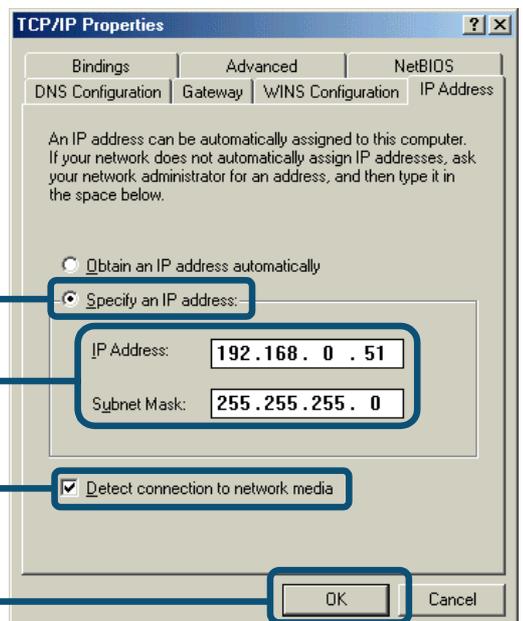
Select **Use the following IP address** (if the Wireless Router or Access Point does not have DHCP server enabled)

IP address: **192.168.0.51**
Subnet mask: **255.255.255.0**

Select **Detect connection to network media**

Click **OK**

Your Internet service provider provides preferred DNS server information.



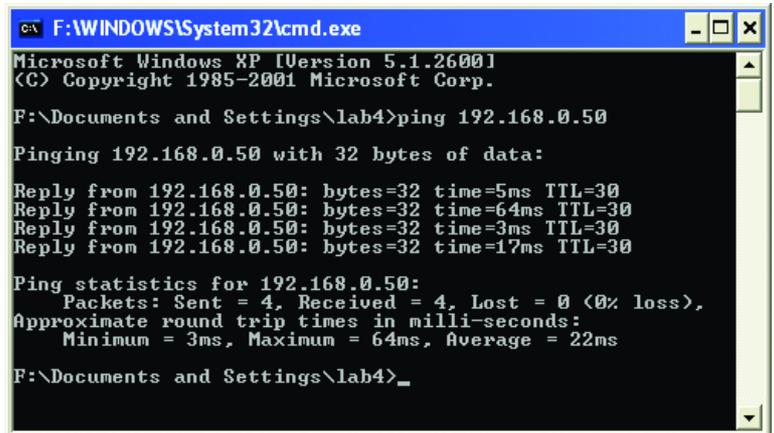
Checking the Wireless Connection

For Windows XP and 2000

Go to **Start > Run > type cmd.**

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 the reply from the wireless router or access point.



```
cmd F:\WINDOWS\System32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

F:\Documents and Settings\lab4>ping 192.168.0.50

Pinging 192.168.0.50 with 32 bytes of data:

Reply from 192.168.0.50: bytes=32 time=5ms TTL=30
Reply from 192.168.0.50: bytes=32 time=64ms TTL=30
Reply from 192.168.0.50: bytes=32 time=3ms TTL=30
Reply from 192.168.0.50: bytes=32 time=17ms TTL=30

Ping statistics for 192.168.0.50:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 64ms, Average = 22ms

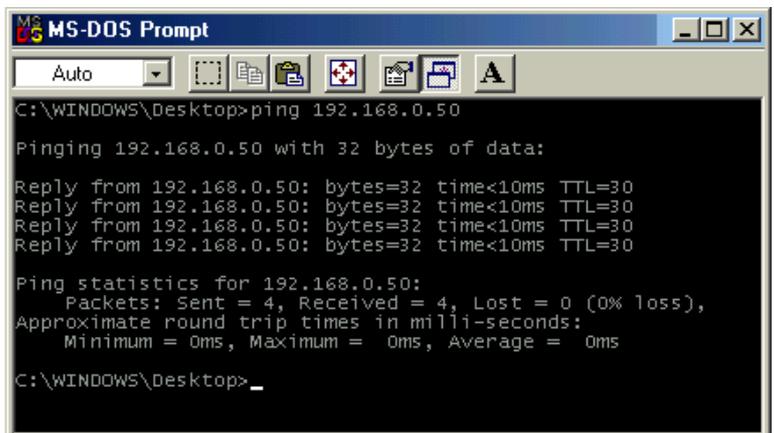
F:\Documents and Settings\lab4>_
```

For Windows Me and 98, Go

to **Start > Run > type**

command. A window similar to this will appear. Type **ping**

xxx.x xx.xxx.xxx, where xxx is the IP address of the Wireless Router or Access Point. A good wireless connection will show the reply from the wireless router or access point.



```
MS-DOS Prompt
Auto
C:\WINDOWS\Desktop>ping 192.168.0.50

Pinging 192.168.0.50 with 32 bytes of data:

Reply from 192.168.0.50: bytes=32 time<10ms TTL=30

Ping statistics for 192.168.0.50:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\WINDOWS\Desktop>_
```

Troubleshooting

Q1: I cannot connect to the access point or wireless router.

A: Make sure that the SSID on the DWL-660 Wireless PC Card Adapter is exactly the same as the SSID on the Access Point or wireless router.

Q2: The DWL-660 Power and Link lights are not on.

A: Check to see if the DWL-660 Wireless PC Card Adapter is firmly inserted in the PCMCIA slot of your laptop computer.

Q3: I am unable to access the Internet using the DWL-660.

A1: Check that the LED indicators for the broadband modem are indicating normal activity. If not, there may be a problem with the broadband connection.

A2: Check that the LED indicators on the wireless router are functioning properly. If not, check that the AC power and Ethernet cables are firmly connected.

A3: Check that the IP address, subnet mask, gateway, and DNS settings are correctly entered for the wireless adapter in that specific wireless network.

Q4: I forgot my Encryption key.

A: Reset the Access Point to its factory default settings and restore the DWL-660 Wireless PC Card Adapter to the factory default settings.

Once properly installed the **DWL-660 Wireless PC Card Adapter** will be able to connect to other 802.11b wireless adapters, routers and access points.

When you have completed the steps in this *Quick Installation Guide*, your connected network should look similar to this:

For detailed explanations on Ad-Hoc, Infrastructure mode, Basics of Networking, file-sharing and troubleshooting, please refer to the DWL-660 Manual on the CD included with the product.

Technical Support

You can find the most recent software and user documentation on the D-Link website. **D-Link** provides free technical support for customers within the United States for the duration of the warranty period on this product. U.S. customers can contact D-Link technical support through our web site or by phone.

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

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