D-Link *Air* ™
DWL-700AP

2.4GHz
Wireless Access Point

Manual

D-Link

Building Networks for People

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Package Contents

Contents of Package:

- **D-Link *Air* DWL-700AP**
  2.4 GHz Wireless Access Point
- Power Supply - 5V DC, 2.0A
- Manual on CD
- Quick Installation Guide
- Ethernet Cable

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

Note: Using a power supply with a different voltage rating than the one included with the DWL-700AP will cause damage and void the warranty for this product.

System Requirements:

- Computer with Windows, Macintosh, or Linux-based operating system with an installed Ethernet adapter

- Internet Explorer or Netscape Navigator version 6.0 or above, with JavaScript enabled

Introduction

The D-Link *Air* DWL-700AP Wireless Access Point is an 802.11b high-performance wireless Access Point. It is an ideal way to extend the reach and number of computers connected to your wireless network.

The DWL-700AP is compatible with existing 802.11b devices such as the D-Link *Air* and *Air*Plus family of products including the DWL-650 and DWL-650+ Wireless Cardbus Adapters, the DI-614+ Wireless Router, and the DWL-120 Wireless USB Adapter.

After completing the steps outlined in the *Quick Installation Guide* (included in your package) you will have the ability to share information and resources, such as files and printers, and enjoy the freedom that wireless networking delivers.

The DWL-700AP is compatible with most popular operating systems, including Macintosh, Linux and Windows, and can be integrated into a large network. This Manual is designed to help you connect the Access Point and the D-Link Wireless Adapters into a network in Infrastructure mode. *Please take a look at the* ***Getting Started*** *section in this manual to see an example of an Infrastructure network using the DWL-700AP.*

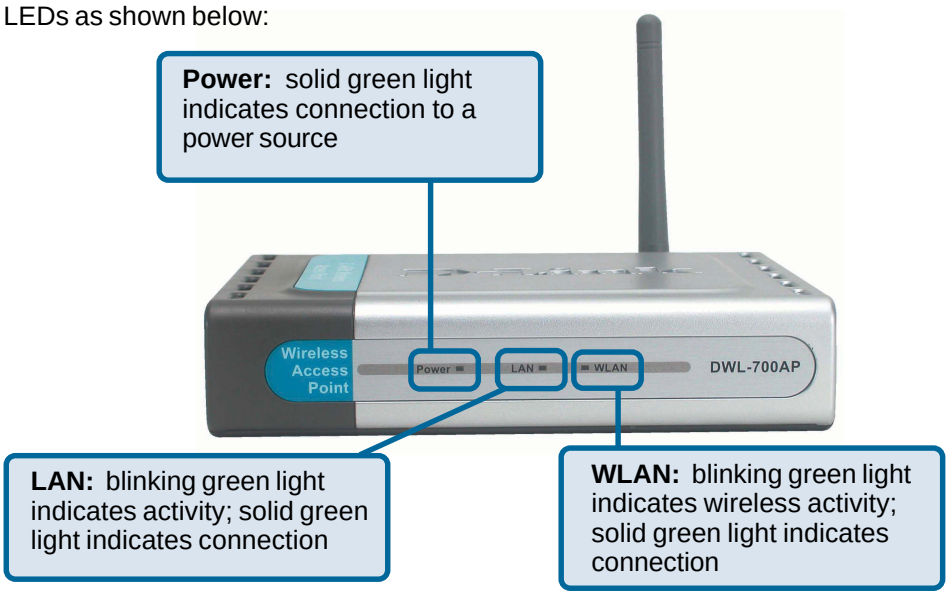
The IEEE 802.11b Ethernet standard allows you to connect computers and 802.11b compatible devices at speeds up to 11Mbps, dependent upon the distance between wireless adapters, the configuration of your working environment, or the capabilities or limitations of your computer systems.

Features and Benefits

- Fully 802.11b Compatible – Fully compatible with the IEEE 802.11b standard and interoperable with all existing 802.11b compliant devices
- Stronger Network Security with up to 128-bit WEP Encryption – Supports 64/128-bit WEP encryption for higher level of security for your data and wireless communication than encryption found in existing 802.11b products
- Built-in DHCP Server – If enabled, it will automatically assign IP addresses to wireless clients on the local network.
- Web-based interface for Managing and Configuring – Easy-to-use interface independent of the operating system

LEDS

LED stands for **L**ight-**E**mitting **D**iode. The **DWL-700AP Wireless Access Point** has 3 LEDs as shown below:



Wireless Basics

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business or public access wireless networks. D-Link wireless products will allow you access to the data you want, when and where you want it. You will be able to enjoy the freedom that wireless networking brings.

A Wireless Local Area Network (WLAN) is a cellular computer network that transmits and receives data with radio signals instead of wires. WLANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people to work and communicate more efficiently. Increased mobility and the absence of cabling and other fixed infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

People use WLAN technology for many different purposes:

Mobility - Productivity increases when people have access to data in any location within the operating range of the WLAN. Management decisions based on real-time information can significantly improve worker efficiency.

Low Implementation Costs – WLANs are easy to set up, manage, change and relocate. Networks that frequently change can benefit from WLANs ease of implementation. WLANs can operate in locations where installation of wiring may be impractical.

Installation and Network Expansion - Installing a WLAN system can be fast and easy and can eliminate the need to pull cable through walls and ceilings. Wireless technology allows the network to go where wires cannot go - even outside the home or office.

Scalability – WLANs can be configured in a variety of ways to meet the needs of specific applications and installations. Configurations are easily changed and range from peer-to-peer networks suitable for a small number of users to larger infrastructure networks to accommodate hundreds or thousands of users, depending on the number of wireless devices deployed.

Inexpensive Solution - Wireless network devices are as competitively priced as conventional Ethernet network devices.

Installation Considerations

Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the DWL-700AP and other network devices to a minimum - each wall or ceiling can reduce your D-Link *Air* Wireless product's range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.

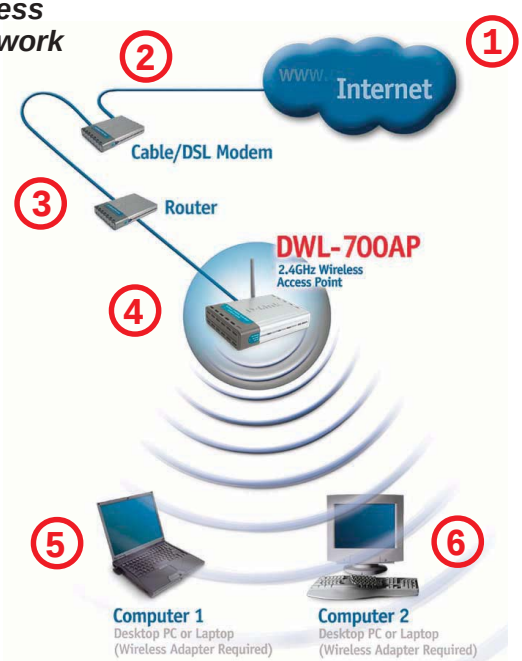
2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.

3. Building Materials can impede the wireless signal - a solid metal door or aluminum studs may have a negative effect on range. Try to position wireless devices and computers with wireless adapters so that the signal passes through drywall or open doorways and not other materials.

4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.

Getting Started

Setting up a Wireless Infrastructure Network



*Please remember that **D-Link Air** wireless devices are pre-configured to connect together, right out of the box, with their default settings.*

For a typical wireless setup at home (as shown above), please do the following:

1. You will need broadband Internet access (a Cable or DSL-subscriber line into your home or office)

2. Consult with your Cable or DSL provider for proper installation of the modem

3. Connect the Cable or DSL modem to your broadband router (*see the **Quick Installation Guide** included with your router.*)

4. Connect the router to the D-Link *Air* DWL-700AP.
*(See the **Quick Installation Guide** included with the DWL-520.)*

5. If you are connecting a desktop computer in your network, you can install the D-Link *Air* DWL-520 wireless PCI adapter into an available PCI slot on your desktop computer.
*(See the **Quick Installation Guide** included with the DWL-520.)*

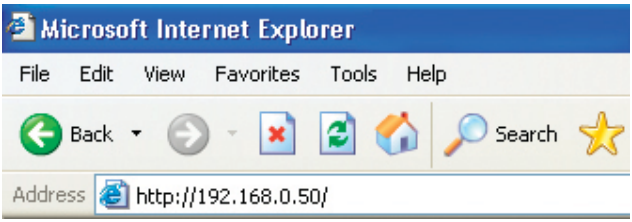
6. Install the drivers for the wireless Cardbus adapter into a laptop computer.
(*e.g, the DWL-650; See the **Quick Installation Guide** included with the DWL-650.*)

Using the Configuration Utility

If you wish to change the default settings or optimize the performance of the DWL-700AP, D-Link has included a configuration utility for this purpose.

Whenever you want to configure your network or the DWL-700AP, you can access the Configuration Utility by opening the web-browser and typing in the IP Address of the DWL-700AP. The DWL-700AP's default IP Address is shown below:

- Open the web browser
- Type in the **IP Address** of the Access Point



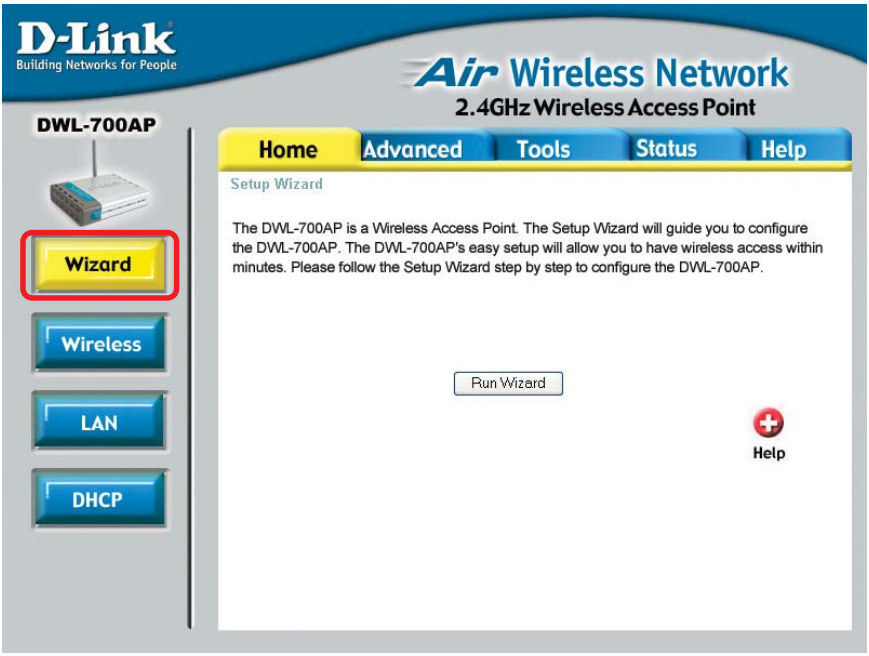
(The IP Address shown in the example above is the default setting. Use this IP address when connecting to a network consisting of other D-Link devices set to their default settings. If you have changed the IP Address of the DWL-700AP to conform to a network other than one with D-Link devices, then input that IP Address in the web browser, instead of the default IP Address shown.)

- Type **admin** in the **User Name** field
- Leave the **Password** blank
- Click **OK**

Using the Configuration Utility (continued)

After logging in, the screen below will appear. Click on the tabs in the screen to access different segments of the Configuration Utility. If you choose to use the web-based configuration menu, please configure the DWL-700AP from a computer with an ethernet connection to the DWL-700AP.

Home > Wizard



Apply

Clicking **Apply** will save changes made to the page

Cancel

Clicking **Cancel** will clear changes made to the page

Help

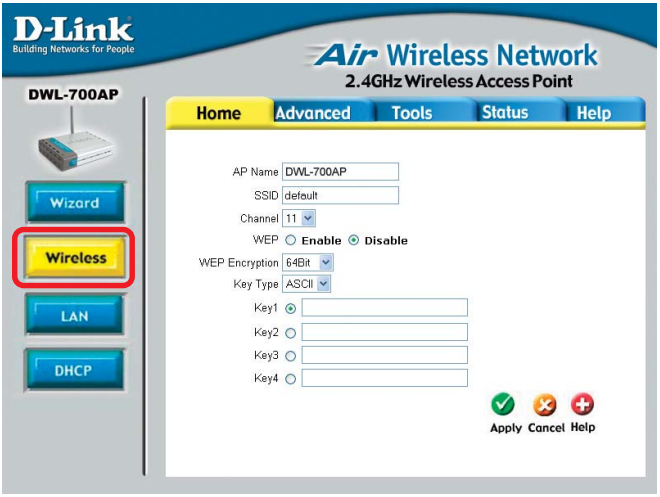
Clicking **Help** will bring up helpful information regarding the page

Restart

Clicking **Restart** will restart the router. (Necessary for some changes.)

Using the Configuration Utility (continued)

Home > Wireless



AP Name: You may choose to rename your Access Point, especially if you have more than one Access Point on your network.

SSID: (**Service Set Identifier**) **default** is the default setting. The SSID is a unique name that identifies a network. All devices on a network must share the same SSID name in order to communicate on the network. If you choose to change the SSID from the default setting, input your new SSID name in this field. The SSID can be up to 32 characters in length.

Channel: Channel **6** is the default channel. Input a new number if you want to change the default setting. All devices on the network must be set to the same channel to communicate on the network.

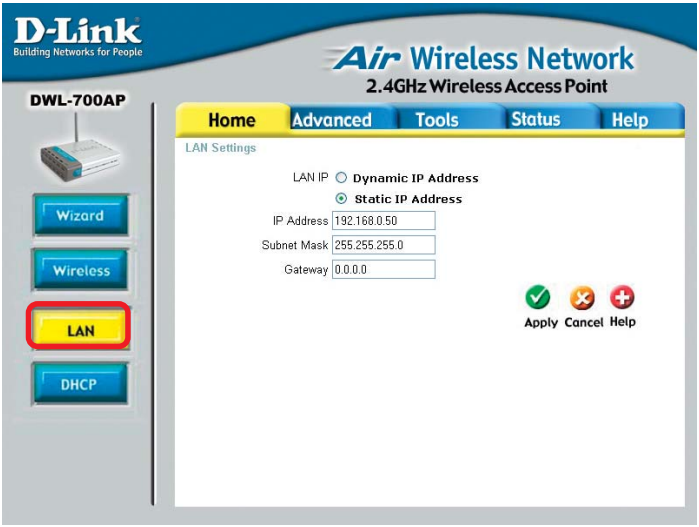
WEP Encryption: Select **Enable Encryption** to use **WEP** (**W**ired **E**quivalent **P**rivacy) on the network. All devices on the network, and the Access Point, must share the same WEP selection – either **Enable** or **Disable**, and they must share the same WEP key. The WEP key is generated from **ASCII** or **Hexadecimal** entries that are either 64, 128, or 256 bit in length.

When enabling encryption, select the **Key Type** (ASCII or Hexadecimal) and then input the appropriate digits or letters. You can create up to 4 keys. Select the key you wish to use.

> **Hexadecimal** digits consist of the numbers 0-9 and the letters A-F
> **ASCII** (American Standard Code for Information Interchange) is a code for representing English letters as numbers from 0-127

Using the Configuration Utility (continued)

Home > LAN



Dynamic IP Address: Select this option if you would like to have an IP Address automatically assigned to the DWL-700AP by a DHCP server in your network.

> **DHCP** stands for Dynamic Host Configuration Protocol. It is a protocol for assigning dynamic IP addresses "automatically." With a DHCP Server there is no need to manually assign an IP Address.

Static IP Address: Select this option if you are manually assigning an IP Address.

IP Address: 192.168.0.50 is the default IP Address of the Access Point.

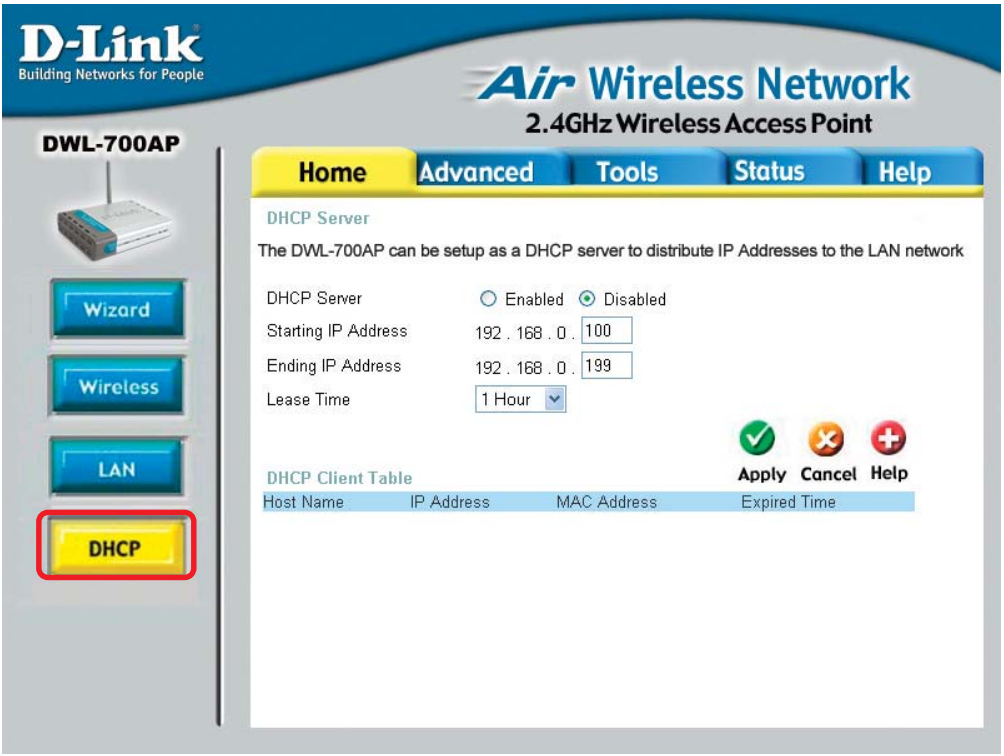
Subnet Mask: 255.255.255.0 is the default Subnet Mask. All devices on the network must have the same subnet mask to communicate on the network

Gateway: Enter the IP Address of the gateway in your network

> **IP Address**
>
> If you need to assign Static IP Addresses to the devices in your network, please remember that the IP Address for each computer or device must be in the same IP Address range as all the devices in the network. Each device must also have the same Subnet Mask. *For example: Assign the first computer an IP Address of 192.168.0.2 and a Subnet Mask of 255.255.255.0, the second device an IP Address of 192.168.0.3 and a Subnet Mask of 255.255.255.0, and so on. Devices that are assigned the same IP Address may not be visible on the network.*

Using the Configuration Utility (continued)

Home > DHCP



DHCP Server: Select **Enabled** or **Disabled**. Disabled is the default setting. If you want to use the Access Point as a DHCP server to automatically assign Dynamic IP Addresses on the network, you will select Enabled.

Starting IP Address: If you have enabled the DHCP server function, enter the starting point of the IP Address range for your network

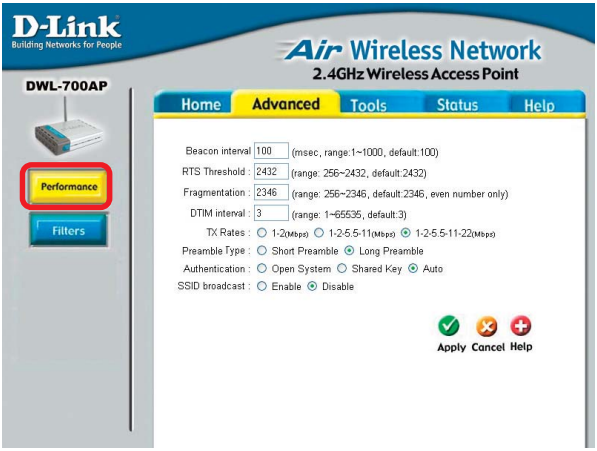
Ending IP Address: Enter the ending IP Address of your IP Address range, if you have enabled the DHCP function of the Access Point

Lease Time: Choose the length of time at which the DHCP function of the DWL-700AP automatically regenerates the IP Addresses to the devices in your network

DHCP Client Table: Lists the devices on your network that are receiving dynamic IP Addresses from the Access Point

Using the Configuration Utility (continued)

Advanced > Performance



The default Performance settings are shown here.

Beacon Interval: Beacons are packets sent by an Access Point to synchronize a wireless network. Specify a Beacon interval value. Default (100) is recommended.

RTS Threshold: This value should remain at its default setting of 2,432. If you encounter inconsistent data flow, only minor modifications to the value range between 256 and 2,432 are recommended.

Fragmentation: This value should remain at its default setting of 2,346. If you experience a high packet error rate, you may slightly increase your Fragmentation Threshold within the value range of 256 to 2,346. Setting the Fragmentation Threshold too low may result in poor performance.

DTIM Interval (Beacon Rate): (Delivery Traffic Indication Message) Enter a value between 1 and 255 (default is 3) for the Delivery Traffic Indication Message (DTIM.) A DTIM is a countdown informing clients of the next window for listening to broadcast and multicast messages.

Basic Rates: Default is 1-2Mbps. We recommend that you keep the setting at default. If you lose connection at the TX rate, you will regain connection at the basic rate. A lower Basic Rate will make reconnection easier.

TX Rates: Select the transmission rate for the network. The default rate is 1-2-5.5-11-22Mbps.

Preamble: **Long Preamble** is the default setting. (High traffic networks should use the shorter preamble type.) The preamble defines the length of the CRC block (Cyclic Redundancy Check is a common technique for detecting data transmission errors) used in communication between the Access Point and the roaming wireless Network adapters.

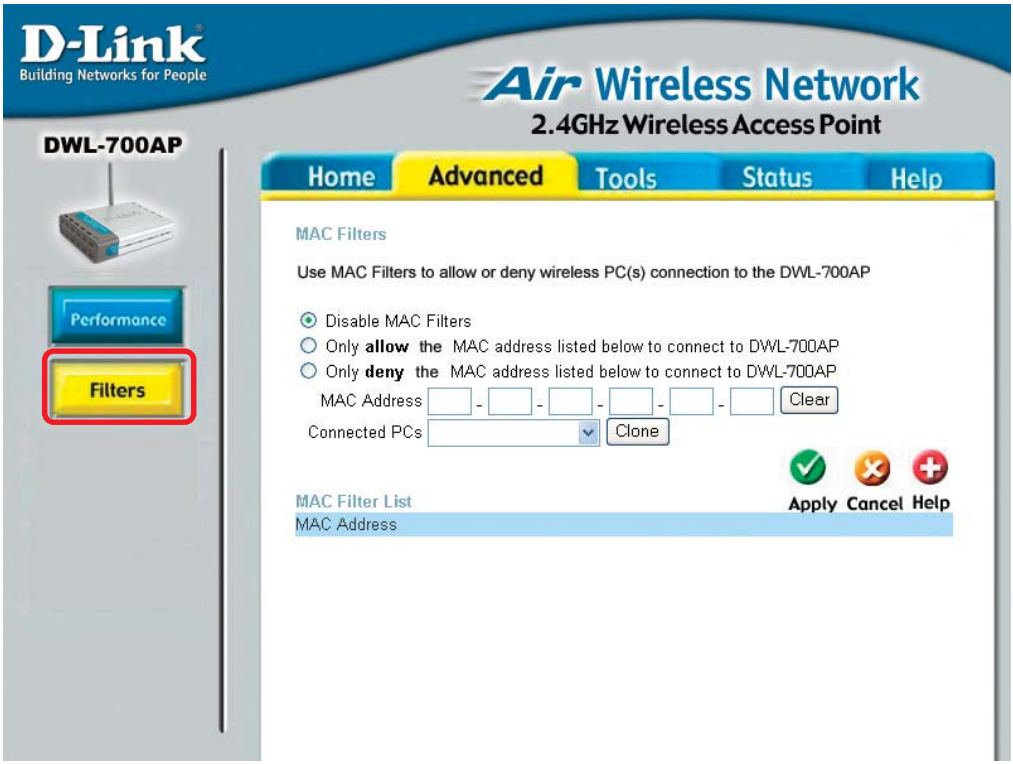
Authentication:

Open System - communicates the key across the network
Shared Key - devices must have identical WEP settings to communicate
Auto - automatically adjusts to the Authentication mode of the wireless client

SSID Broadcast: (Service Set Identifier) Enable or Disable (default) the broadcast of the SSID name across the network. SSID is a name that identifies a wireless network. All devices on a network must use the same SSID to establish communication.

Using the Configuration Utility (continued)

Advanced > Filters



Use **MAC Filters** to allow or deny computers by their MAC addresses from accessing the DWL-700AP. You can either manually add a MAC address or select the MAC address from the list of clients that are currently connected to the Broadband Router (**Connected PCs**). The default setting is **Disabled MAC Filters**.

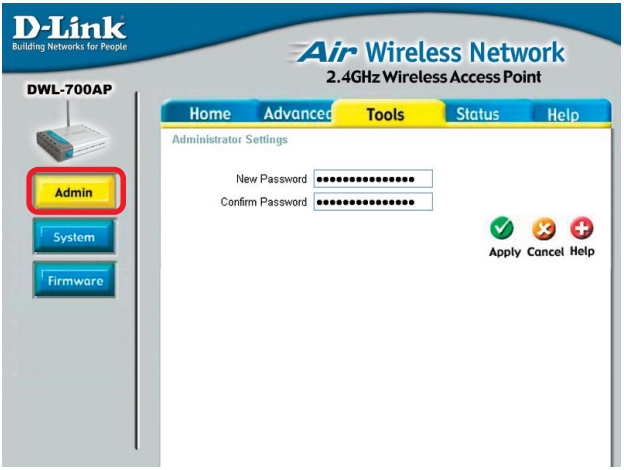
MAC Filter List: This list will display the MAC addresses that are in the selected filter

Using the Configuration Utility (continued)

Tools > Admin

New Password: Enter the new password

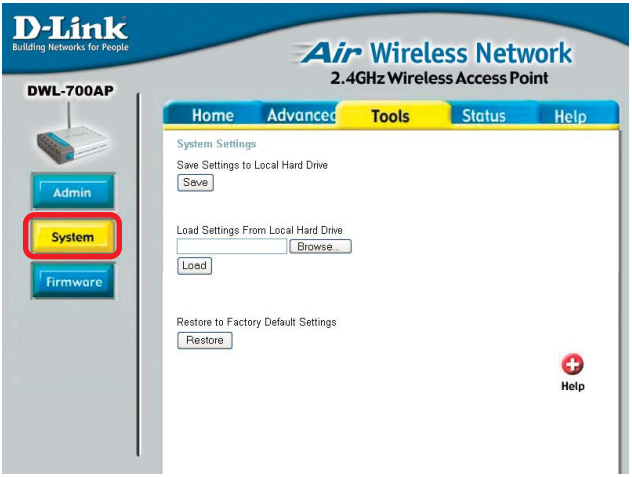
Confirm Password: Re-enter the password to confirm it



Tools > System

Save Settings: The current system settings can be saved as a file onto the local hard drive.

Load Settings: The saved file or any other saved setting file can be loaded back on the Access Point. To reload a system settings file, click on **Browse** to browse the local hard drive and locate the system file to be used. Click **Load** when you have selected the file to be loaded back onto the Access Point.

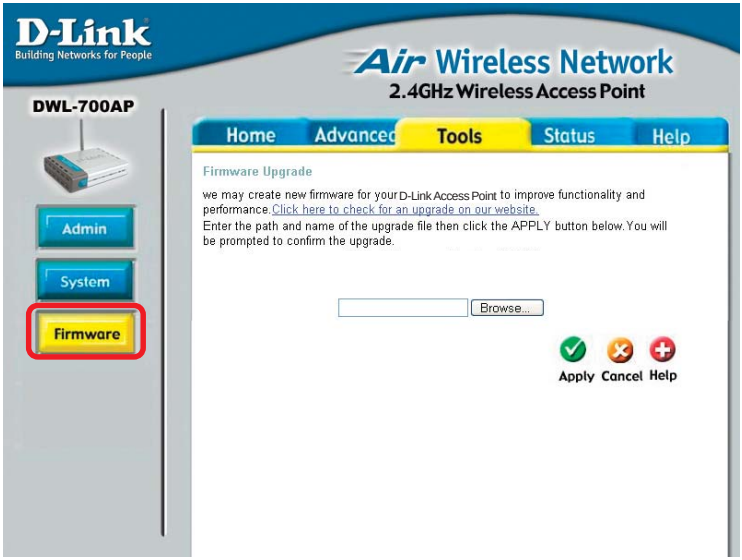


Restore: You may also reset the Access Point back to factory settings by clicking on Restore. Make sure to save the unit's settings before clicking on **Restore**.

Using the Configuration Utility (continued)

Tools > Firmware

You can upgrade the firmware of the Access Point at this page. Make sure the firmware you want to use is on the local hard drive of the computer. Click on Browse to browse the local hard drive and locate the firmware to be used for the update. Please check the D-Link support site for firmware updates at http://support.dlink.com.



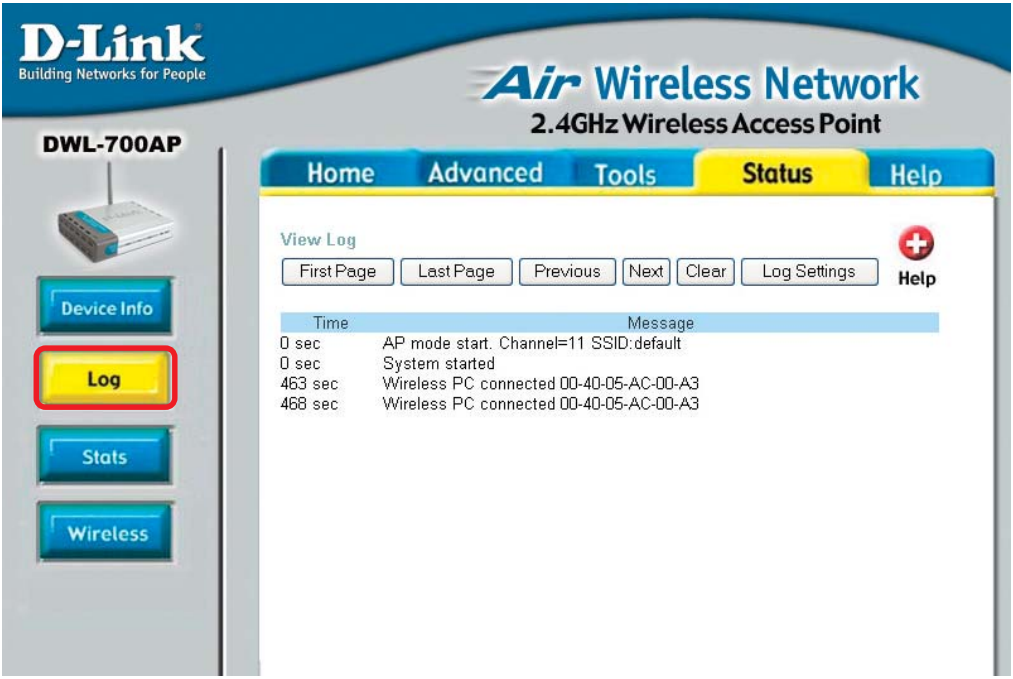
Once you have found the firmware to be used, click **Apply**.

Status > Device Info

This screen displays the current Wireless and Ethernet settings of the DWL-700AP.

Using the Configuration Utility (continued)

Status > Log



View Log

The Access Point keeps a running log of events and activities occurring on the AP. If the device is rebooted, the logs are automatically cleared. You may save the log files under Log Setting.

First Page - The first page of the log.
Last Page - The last page of the log.
Previous - Moves back one log page.
Next - Moves forward one log page.
Clear - Clears the logs completely.
Log Settings - Brings up the page to configure the logs.

Log Settings

Not only does the Access Point display the logs of activities and events, it can be setup to send these logs to another location. The logs can be sent via email to an email account.

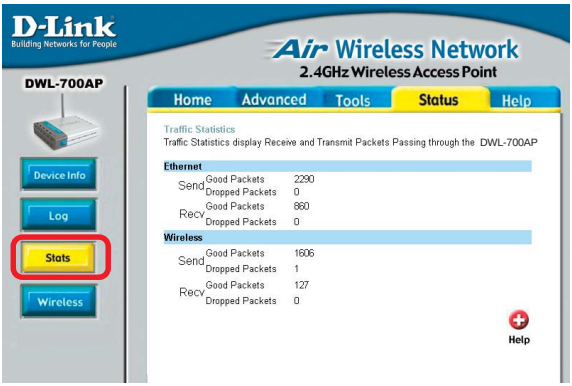
SMTP Server - The address of the SMTP server that will be used to send the logs.
Send to - The email address the logs will be sent to. Click on Email Log Now to send the email.

Using the Configuration Utility (continued)

Traffic Statistics

The Access Point keeps statistics of traffic that passes through it. You are able to view the amount of packets that passes through the Router on both the Ethernet portion of the network and the Wireless portion of the network. The traffic counter will reset if the device is rebooted.

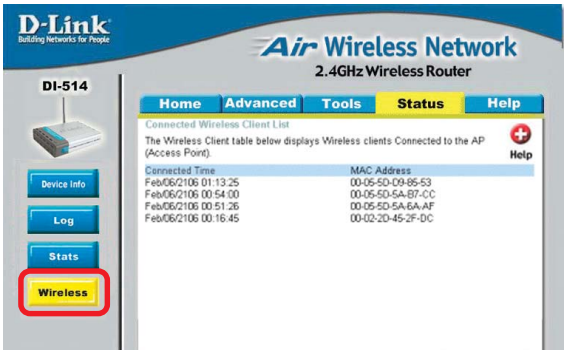
Status> Stats



Connected Wireless PCs LIst

This list displays the MAC Addresses of connected PC's and the length of time that they have been connected.

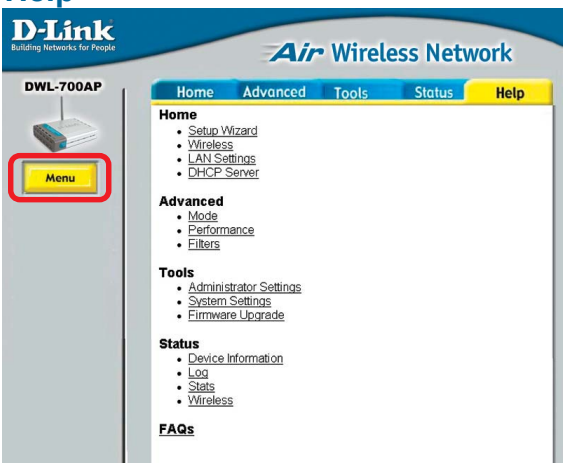
Status > Wireless



Menu

Select from this menu for extra help.

Help



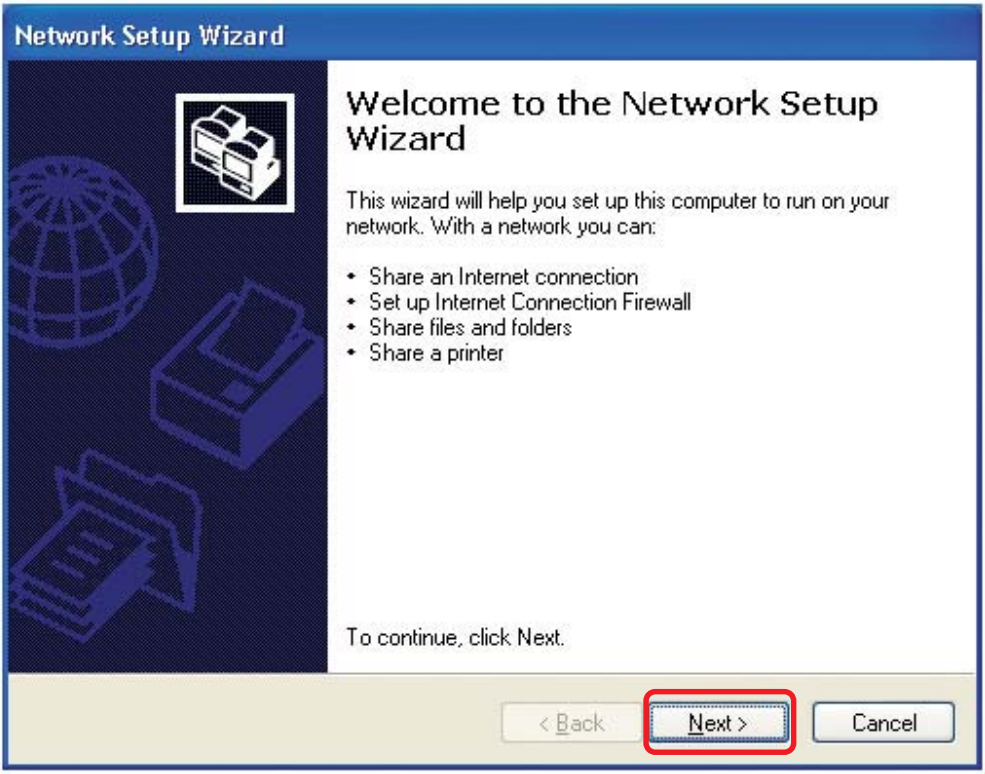
Networking Basics

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 http://www.homenethelp.com and http://www.microsoft.com/windows2000 for information about networking computers using Windows 2000, ME or 98SE.

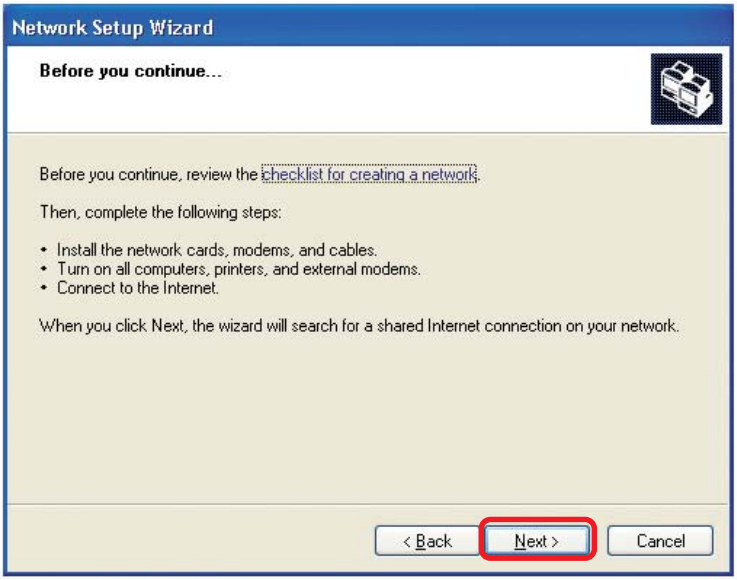
Go to **Start>Control Panel>Network Connections**
Select **Set up a home or small office network**



When this screen appears, click **Next.**

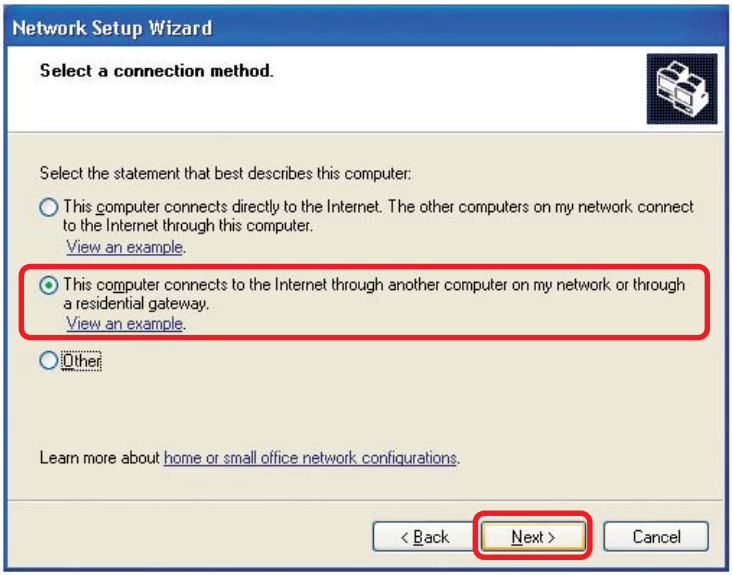
Networking Basics

Please follow all the instructions in this window:



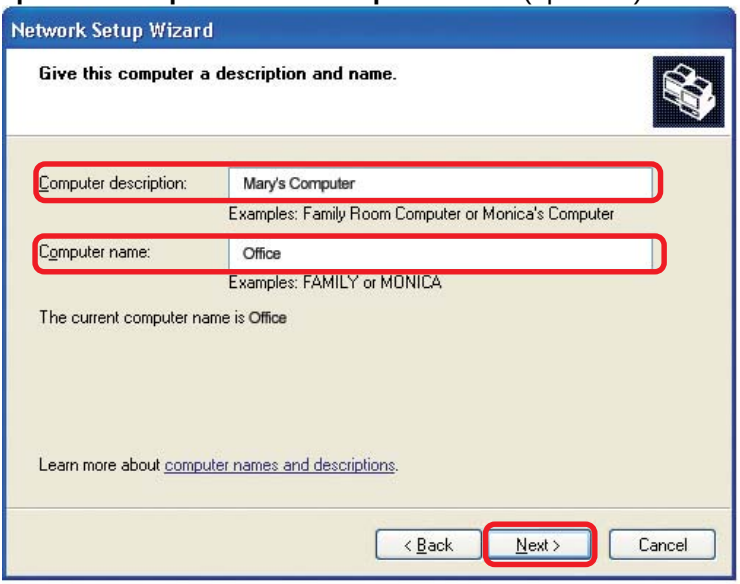
Click **Next**

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.



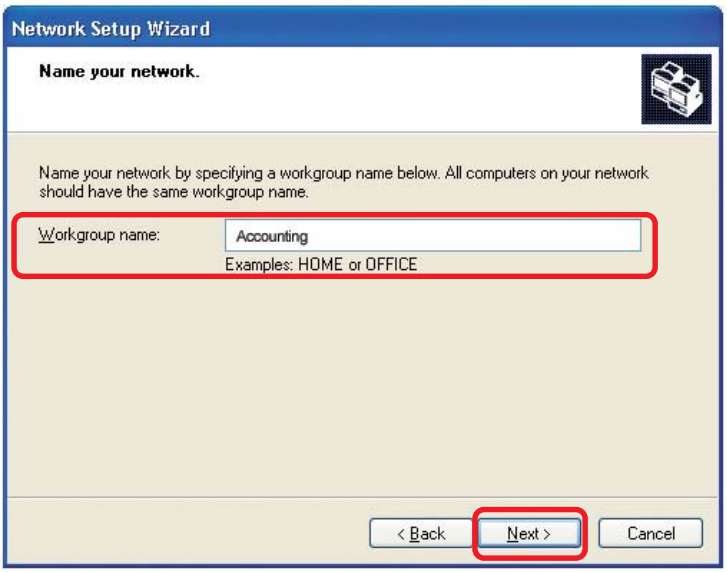
Click **Next**

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



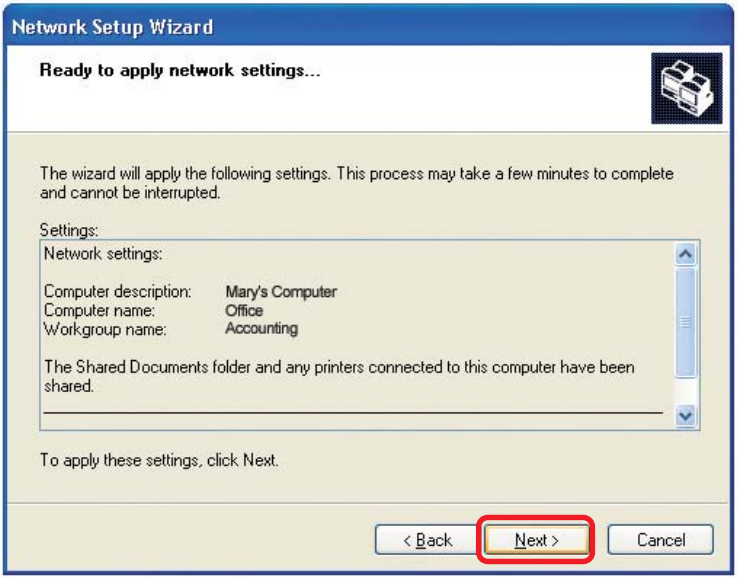
Click **Next**

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



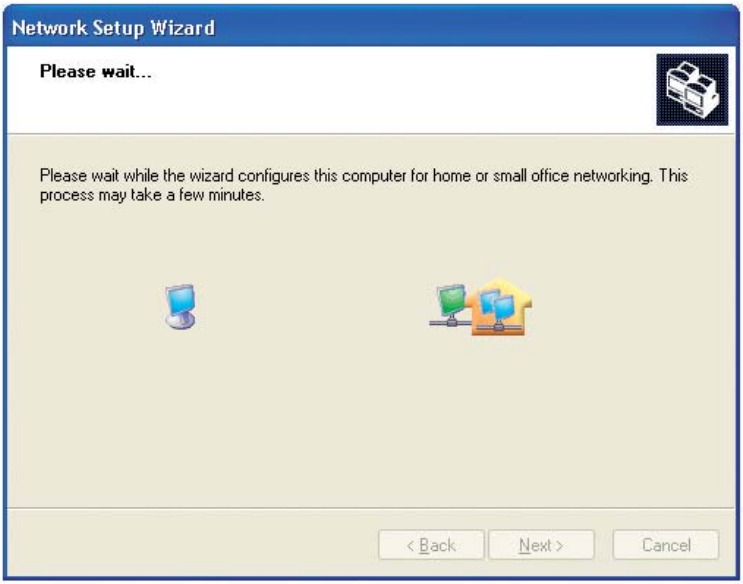
Click **Next**

Please wait while the **Network Setup Wizard** applies the changes.



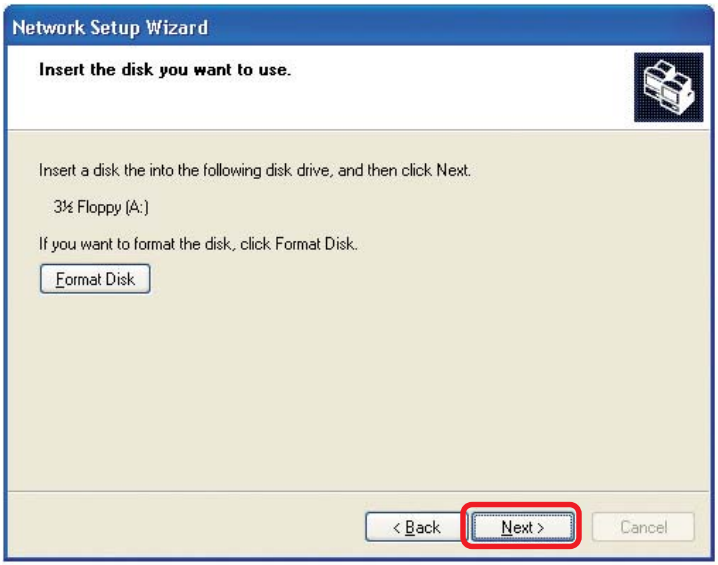
When the changes are complete, click **Next**.

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

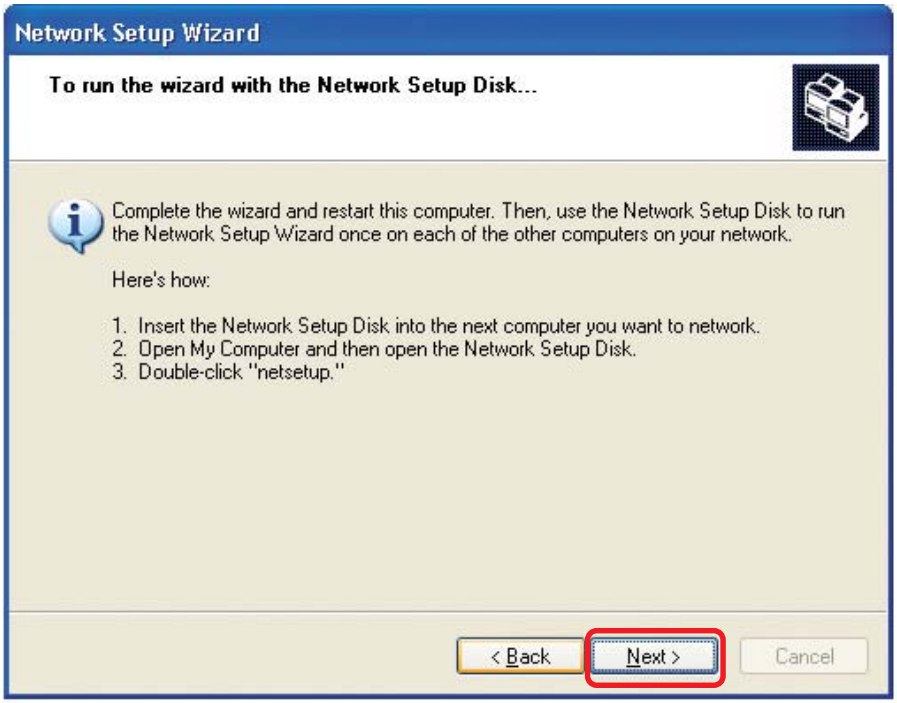


In the window below, select the option that fits your needs. In this example, **Create a Network Setup Disk** has been selected. You will run this disk on each of the computers on your network. Click **Next**.

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

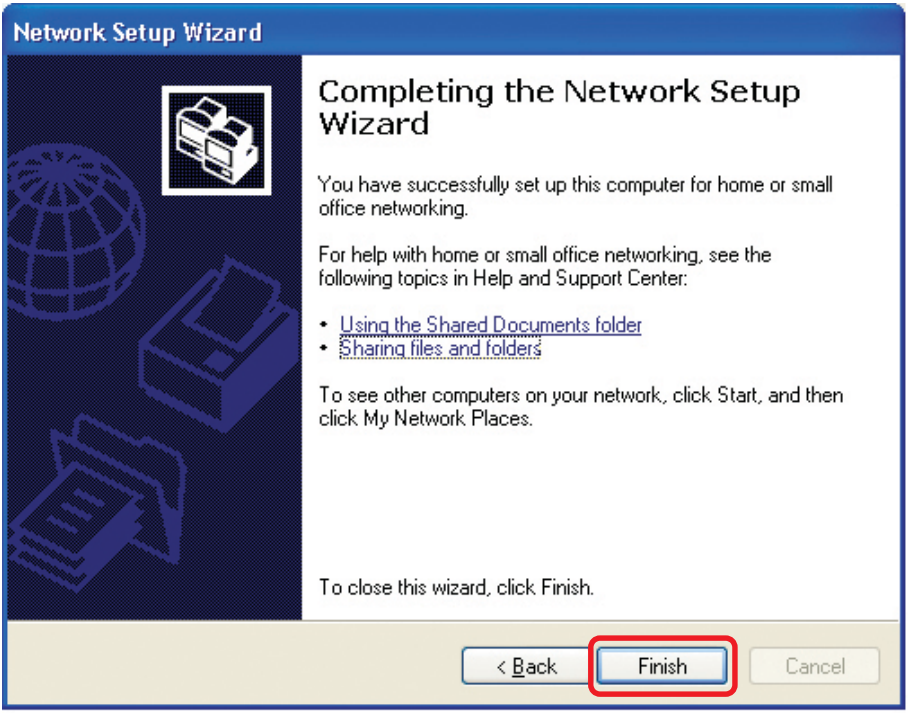


Please read the information under **Here's how** in the screen below. After you complete the **Network Setup Wizard** you will use the **Network Setup Disk** to run the **Network Setup Wizard** once on each of the computers on your network. To continue click **Next.**

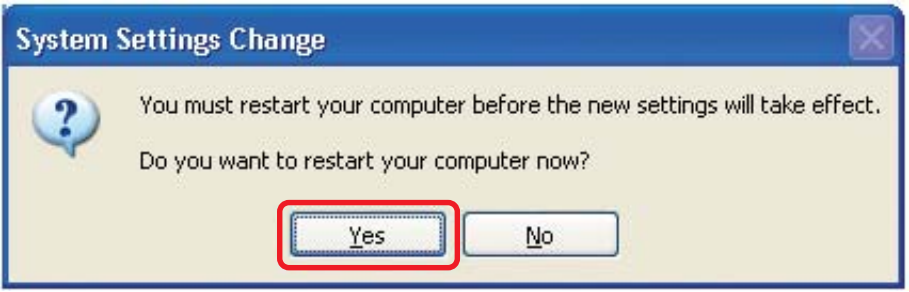


Networking Basics

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



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.

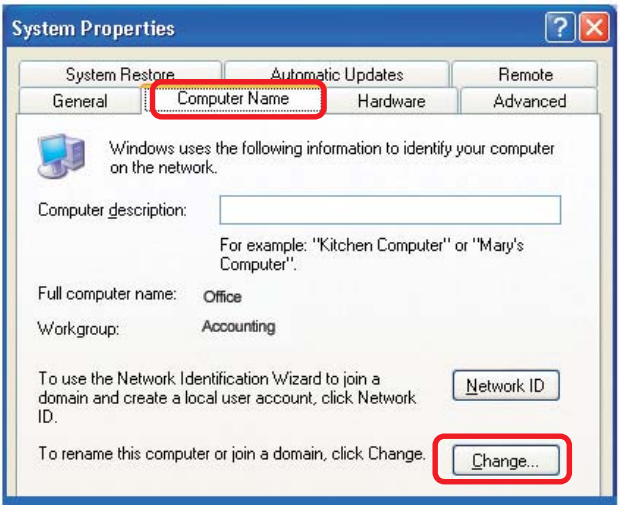
Networking Basics

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.

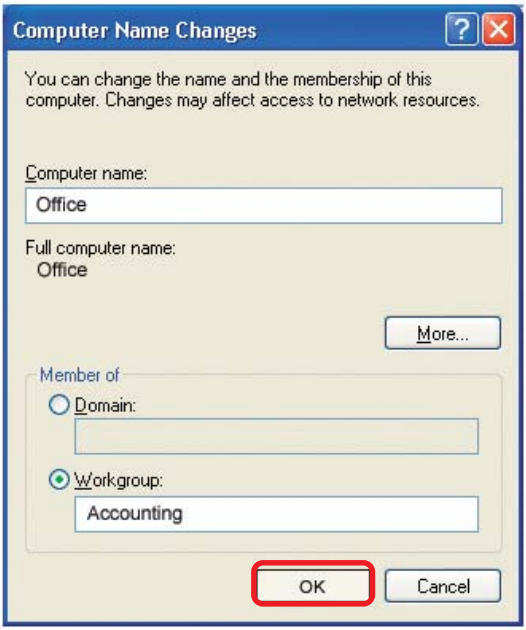


- You may enter a **Computer Description** if you wish; this field is optional.

- To rename the computer and join a domain, Click **Change**.

Naming your Computer

- 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**



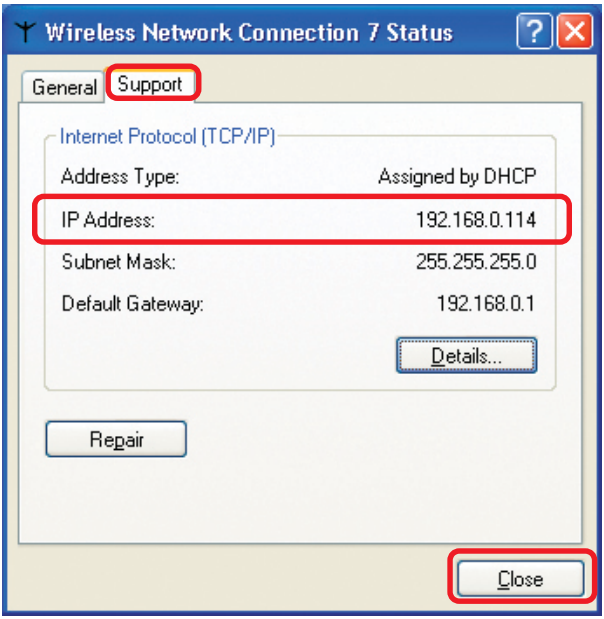
Checking the IP Address in Windows XP

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

Checking the IP Address in Windows XP

This window will appear.



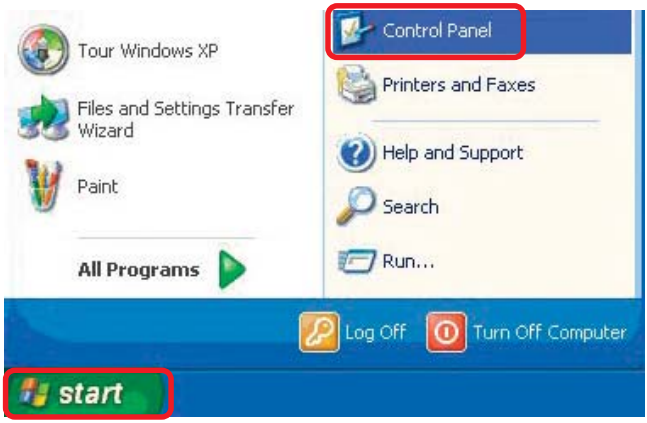
- Click the **Support tab**
- Click **Close**

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/Router you will not need to assign Static IP Addresses.

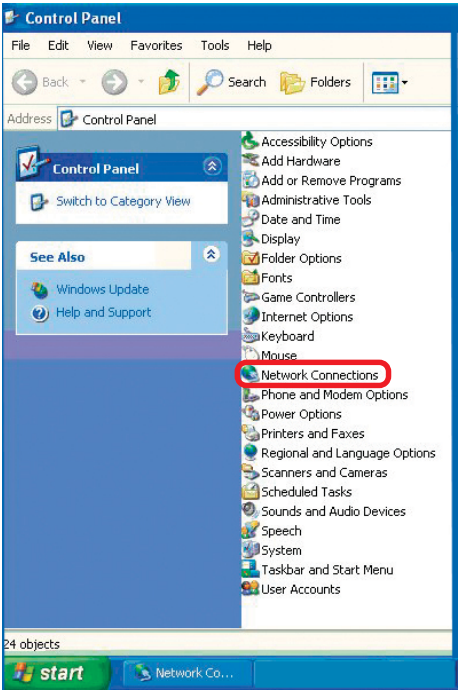
If you are not using a DHCP capable Gateway/Router, or you need to assign a Static IP Address, please follow these instructions:

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

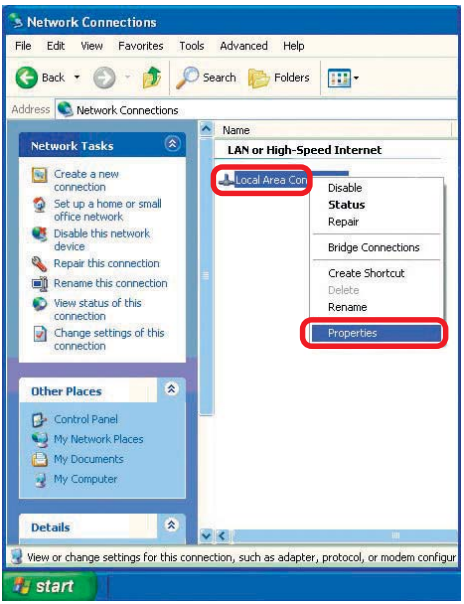


Assigning a Static IP Address in Windows XP/2000

- Double-click on **Network Connections**

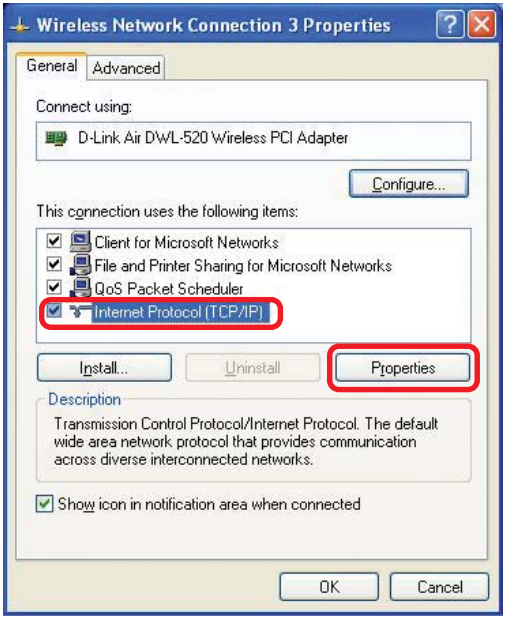


- Right-click on **Local Area Connections**
- Double-click on **Properties**



Networking Basics

Assigning a Static IP Address in Windows XP/2000

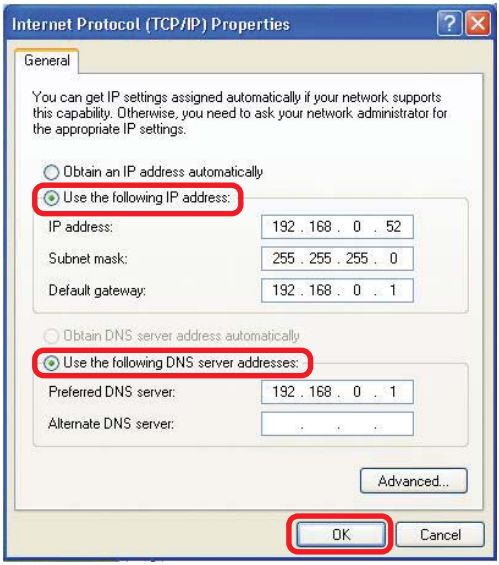


- Click on **Internet Protocol (TCP/IP)**
- Click **Properties**
- In the window below, select **Use the following IP address**. Input your **IP address and subnet mask.** (The IP Addresses on your network must be within the same range. For example, if one computer has an IP Address of 192.168.0.2, the 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.)

IP Address:
e.g., 192.168.0.2

Subnet Mask:
255.255.255.0

Default Gateway:
Enter the LAN IP address of the wireless router. (D-Link wireless routers have a LAN IP address of 192.168.0.1)

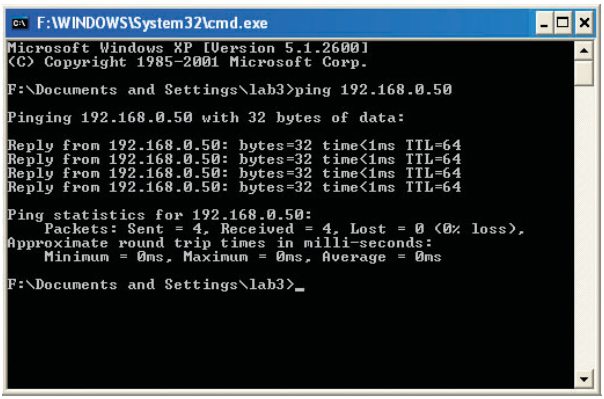


- Select **Use the following DNS server address**. Enter the LAN IP address of the Wireless Router. (D-Link wireless routers have a LAN IP address of 192.168.0.1)
- Click **OK**

You have completed the assignment of a Static IP Address. (You do not need to assign a Static IP Address if you have a DHCP-capable Gateway/Router.)

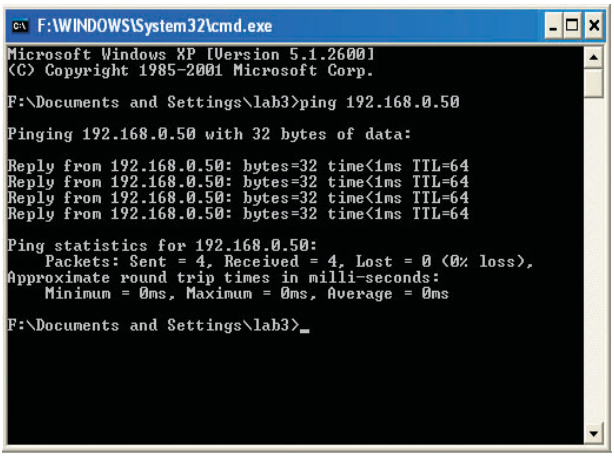
Checking the Wireless Connection by Pinging in Windows XP and 2000

- 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 Pinging in Windows Me and 98

- 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.



Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DWL-700AP. We cover various aspects of the network including network adapters. *(The examples below are illustrated in Windows XP. If you have another operating system, these solutions will still apply although the appearance on your computer screen may differ.)*

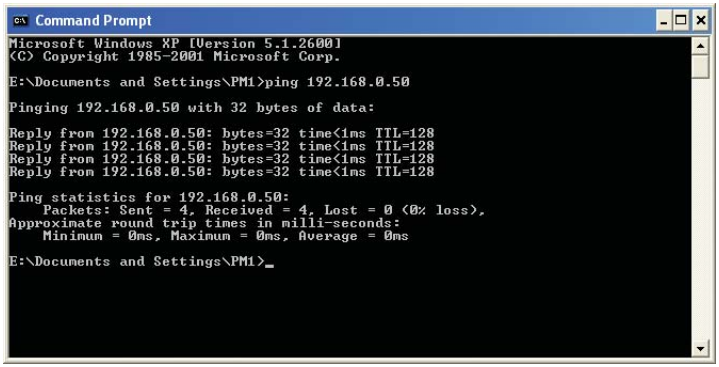
Note: It is recommended that you use an Ethernet connection to configure the DWL-700AP Access Point.

1. The computer used to configure the DWL-700AP cannot access the Configuration menu.

- Check that the **Ethernet LED** on the DWL-700AP is **ON**. If the **LED** is not **ON**, check that the cable for the Ethernet connection is securely inserted.
- Check that the Ethernet Adapter is working properly. Please see item 3 (**Check that the drivers for the network adapters are installed properly**) in this **Troubleshooting** section to check that the drivers are loaded properly.
- Check that the **IP Address** is in the same range and subnet as the DWL-700AP. Please see **Checking the IP Address in Windows XP** in the **Networking Basics** section of this manual.

Note: The IP Address of the DWL-700AP is 192.168.0.50. All the computers on the network must have a unique IP Address in the same range, e.g., 192.168.0.x. Any computers that have identical IP Addresses will not be visible on the network. They must all have the same subnet mask, e.g., 255.255.255.0

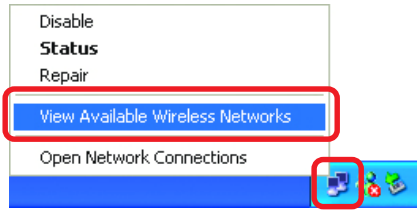
- Do a **Ping test** to make sure that the DWL-700AP is responding. Go to **Start**>**Run**>Type **Command**>Type **ping 192.168.0.50.** A successful ping will show four replies.

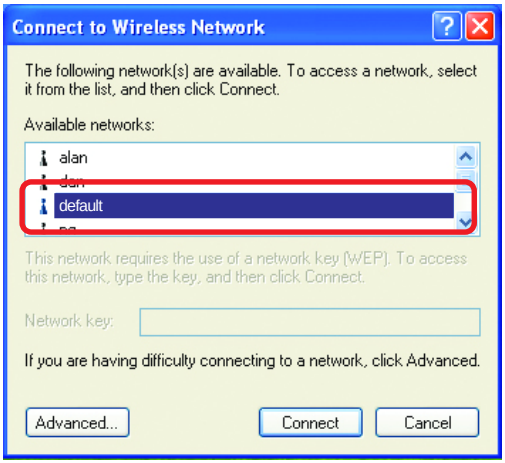


2. The wireless client cannot access the Internet in the Infrastructure mode.

- Make sure the wireless client is associated and joined with the correct Access Point. To check this connection: **Right-click** on the **Local Area Connection icon** in the taskbar> select **View Available Wireless Networks**. The **Connect to Wireless Network** screen will appear. Please make sure you have selected the correct available network, as shown in the illustrations below.

Note: Screen shots were taken using Windows XP. Your screens may look similar.





- Check that the **IP Address** assigned to the wireless adapter is within the same **IP Address range** as the access point and gateway. *Since the DWL-700AP has an IP Address of 192.168.0.50, wireless adapters must have an IP Address in the same range, e.g., 192.168.0.x. Each device must have a unique IP Address; no two devices may have the same IP Address. The subnet mask must be the same for all the computers on the network.* To check the **IP Address** assigned to the wireless adapter, **double-click** on the **Local Area Connection icon** in the taskbar > select the **Support tab** and the **IP Address** will be displayed. (Please refer to **Checking the IP Address** in the **Networking Basics** section of this manual.)

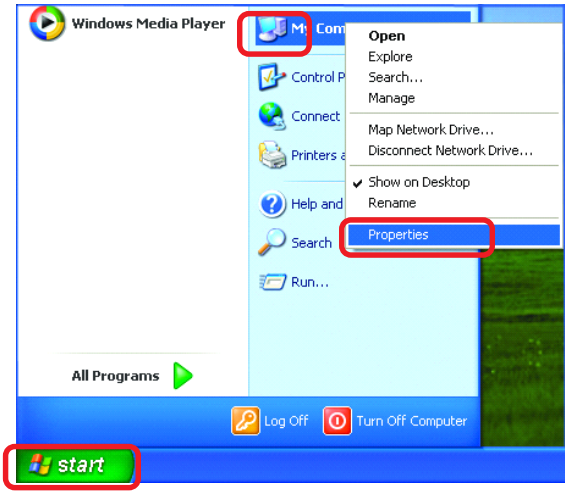
- If it is necessary to assign a **Static IP Address** to the wireless adapter, please refer to the appropriate section in **Networking Basics**. If you are entering a **DNS Server address** you must also enter the **Default Gateway Address.** *(Remember that if you have a DHCP-capable router, you will not need to assign a Static IP Address. See* ***Networking Basics: Assigning a Static IP Address.****)*

Troubleshooting (continued)

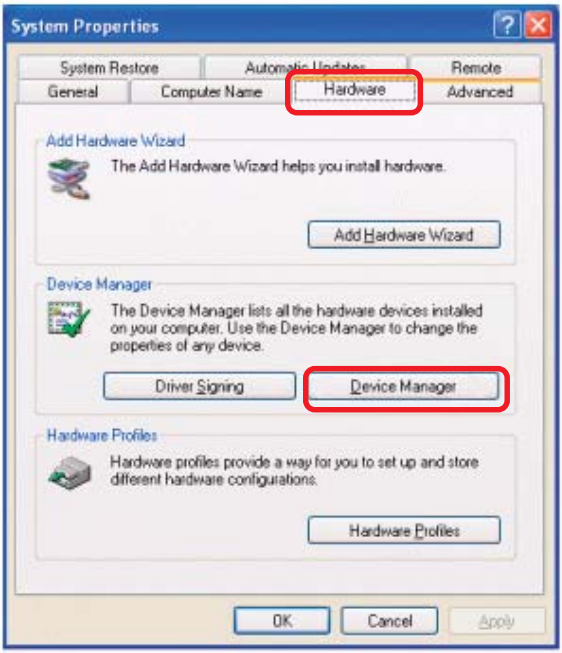
3. Check that the drivers for the network adapters are installed properly.

You may be using different network adapters than those illustrated here, but this procedure will remain the same, regardless of the type of network adapters you are using.

- Go to **Start**
- Right-click on **My Computer**
- Click **Properties**



- Select the **Hardware Tab**
- Click **Device Manager**

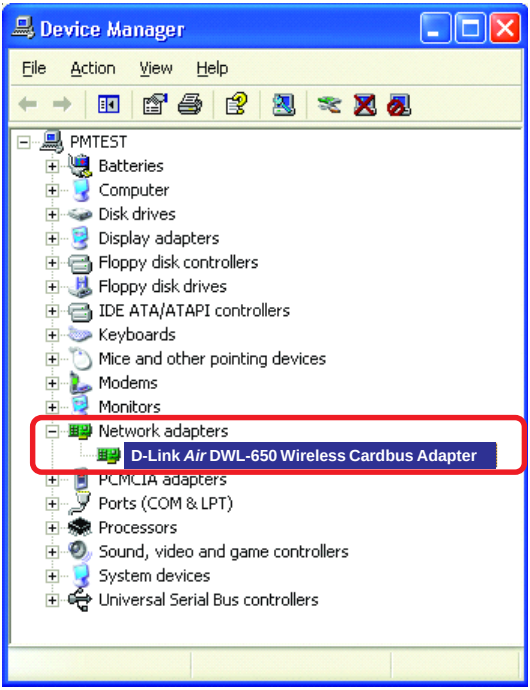


Troubleshooting (continued)

- Double-click on **Network Adapters**

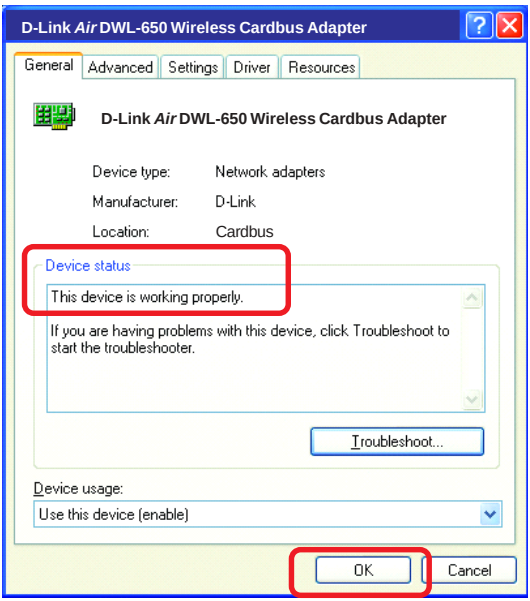
- **Right-click** on **D-Link *Air* DWL-650 Wireless Cardbus Adapter** *(or whatever network adapter you are using)*

- Select **Properties** to check that the drivers are installed properly



- Look under **Device Status** to check that the device is working properly.

- Click **OK**



4. Resetting the DWL-700AP to Factory Default Settings

After you have tried other methods for troubleshooting your network, you may choose to Reset the DWL-700AP to the factory default settings. Remember that D-Link *Air* products network together, out of the box, at the factory default settings.

To hard-reset the D-Link Air DWL-700AP to Factory Default Settings, please do the following:

- Locate the Reset button on the back of the DWL-700AP
- Use a paper clip to press the Reset button
- Hold for about 5 seconds and then release
- After the DWL-700AP reboots (this may take a few minutes) it will be reset to the factory default settings.

Technical Specifications

Standards

- IEEE 802.11
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

Port:

- 10/100 Mbps Fast Ethernet

Data Rates:

- 1, 2, 5.5, 11Mbps (with Automatic Fallback)

Encryption:

- Supports 64-bit,128,256-bit RC4

Media Access Controll:

- CSMA/CA with ACK

Frequency Range:

- 2.4 – 2.462GHz

Operating Range:

- Indoors - up to 328 feet (100 meters)*

Modulation Technology:

- DSSS - Direct Sequence Spread Spectrum
- 11-chip Barker sequence

Technical Specifications *(continued)*

Modulation Techniques

- Barker (1Mbps/0db)
- Barker (2Mbps/3db)
- CCK (5.5Mbps/5.5db)
- CCK (11Mbps/8.5db)

Transmitter Output Power:

- 16dBm

External Antenna Type:

- 1.8dBi gain with reverse SMA connector

Over-Driving Levels:

- Tolerates up to +17dBm at the Antenna

Device Management

- Web-Based - Internet Explorer v5 or later; Netscape Navigator v4 or later; or other Java-enabled browsers.

Operating Temperature:

- 5ºC to 40ºC

Humidity:

- 5% - 95%, non-condensing

Safety & Emissions

- FCC
- CSA

Physical Dimensions:

- L = 5.5 inches (140mm)
- W = 4.5 inches (114mm)
- H = 1 inches (25.4mm)

LEDs:

- Power (Green)
- Link (Green)
- TX/RX (Green)

Power Input:

- External Power Supply: DC 5V, 2.5A

Weight:

- .11 lbs. (51g)

Warranty:

- 1 Year

Federal Communication Commission Interference 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 communications. 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 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.

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.

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.

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 minimum distance 20cm between the radiator & your body.

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

INFORMATION TO USER:

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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