D-Link
Quick Installation Guide

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

DWL-AB520

D-Link *Air*Pro™
Multimode Wireless PCI Adapter

Before You Begin

You must have at least the following:
- A desktop computer with an available 32-bit PCI slot
- At least a 300 MHz processor and 32 MB of memory
- An 802.11a or 802.11b Access Point (for Infrastructure Mode) or another 802.11a or 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode.)

Check Your Package Contents

These are the items included with your DWL-AB520 purchase:

DWL-AB520 Wireless Multimode PCI Adapter

CD-ROM (containing 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*Pro DWL-AB520 Driver CD** into 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-AB520 PCI Adapter into your computer before installing the driver software on the D-Link CD!**
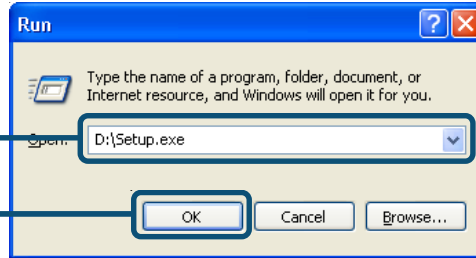
1 Insert the D-Link CD (continued)

The Install Screen will appear.

Click Install Driver/PC Utility

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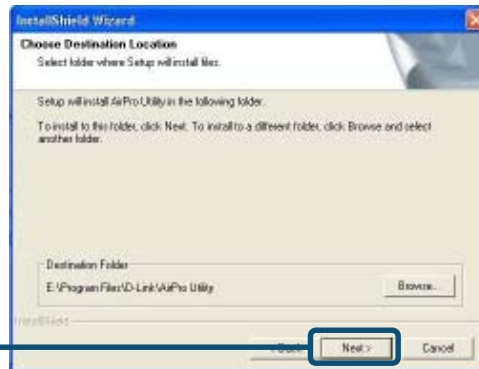
Type "D:\Setup.exe"

Click OK

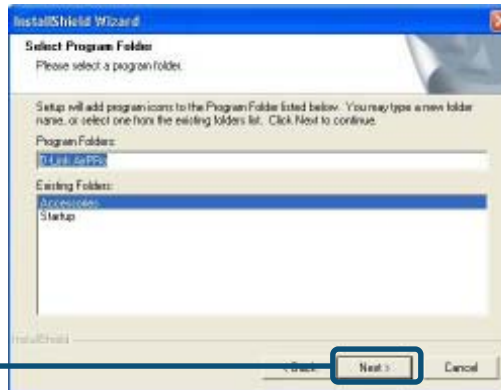⚠ **The letter "D" represents the letter of the CD-ROM drive. Your CD-ROM drive may be a different drive letter.**

Click Next

Click Next

① Continued...

Select Program Folder
Please select a program folder.

Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing folders list. Click Next to continue.

Program Folders:
D-Link AirPro

Existing Folders:
Accessories
Startup

> **Click Next**

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed AirPro Utility. Before you can use the program, you must restart your computer.

○ Yes, I want to restart my computer now.

● No, I will restart my computer later.

Remove any disks from their drives, and then click Finish to complete setup.

> **Click No, I will restart my computer later**

> **Click Finish**

Shut down your computer and unplug it from power source.

② Install the DWL-AB520 Wireless PCI Adapter Into Your Computer

A. **Make sure to turn off your computer and unplug the power cord before you begin.** Remove the back cover off the computer.

B. Carefully guide the DWL-AB520's antenna through the PCI Slot opening adjacent to the PCI Slot that the DWL-AB520 is going to be installed in.
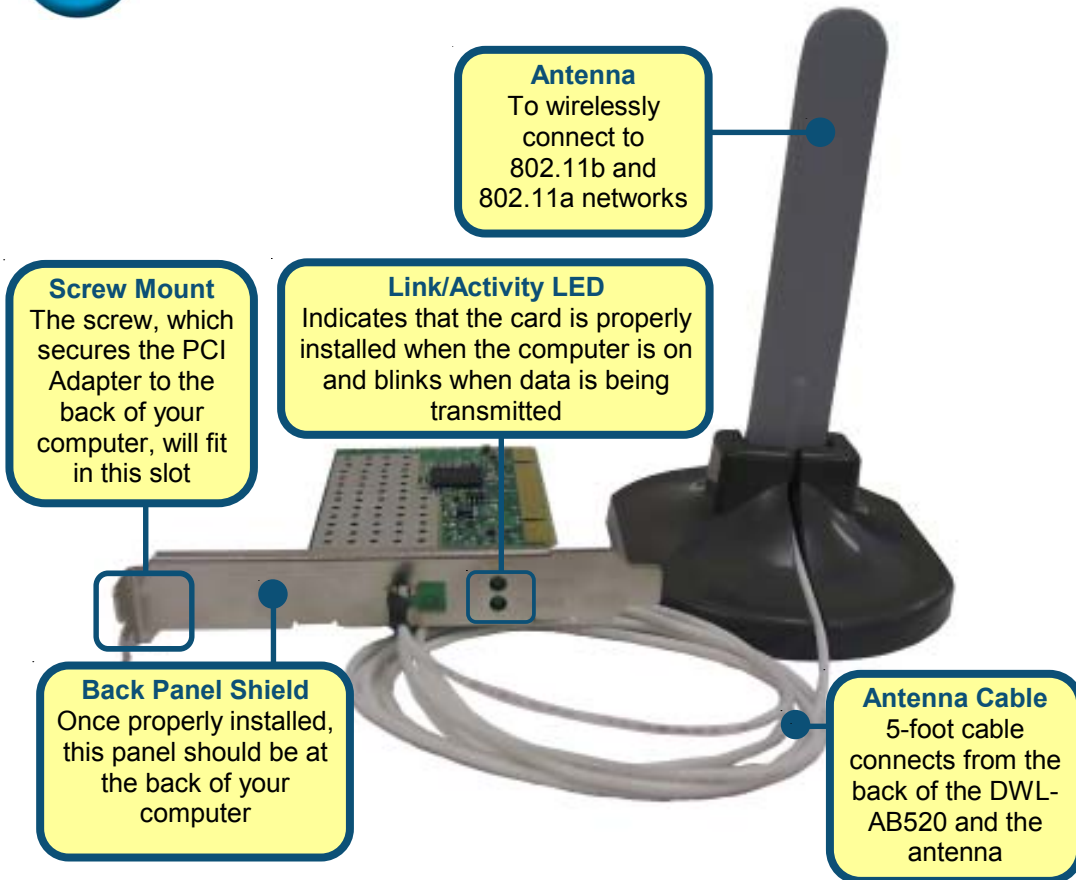
2 Continued...

C. **Install the DWL-AB520 carefully,** and firmly seat it into an available PCI slot (which is usually "white" or "cream" colored).
D. Secure the DWL-AB520 back panel shield with a screw.
E. Replace the computer's cover.
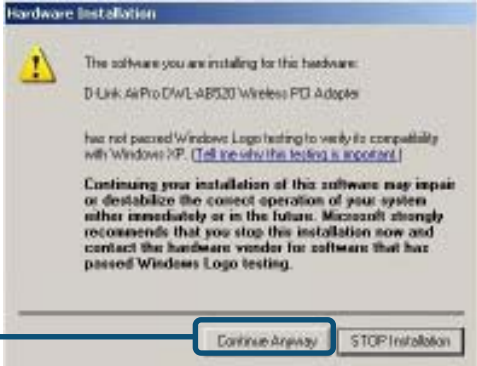F. Gently connect the antenna to the antenna stand.

2 Continued...

Antenna
To wirelessly connect to 802.11b and 802.11a networks

Screw Mount
The screw, which secures the PCI Adapter to the back of your computer, will fit in this slot

Link/Activity LED
Indicates that the card is properly installed when the computer is on and blinks when data is being transmitted

Back Panel Shield
Once properly installed, this panel should be at the back of your computer

Antenna Cable
5-foot cable connects from the back of the DWL-AB520 and the antenna

3 Restart Your Computer

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

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

Click **Next**

Found New Hardware Wizard

Welcome to the Found New Hardware Wizard

This wizard helps you install software for:

D-Link AirPro DWL-AB520 Wireless PCI Adapter

If your hardware came with an installation CD or floppy disk, insert it now.

What do you want the wizard to do?

○ Install the software automatically (Recommended)
○ Install from a list or specific location (Advanced)

Click Next to continue.

Next >   Cancel

3 Continued...

Hardware Installation

⚠ The software you are installing for this hardware:

D-Link AirPro DWL-AB520 Wireless PCI Adapter

has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

[Continue Anyway] [STOP Installation]

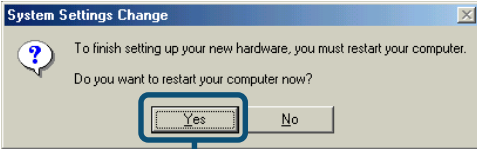**Click Continue Anyway** to finalize the installation

(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**

Digital Signature Not Found

The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.

The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.

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If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.

Do you want to continue the installation?

[Yes] [No] [More Info]

Click Yes to finalize the installation

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

System Settings Change

? To finish setting up your new hardware, you must restart your computer.

Do you want to restart your computer now?

[Yes] [No]

Select Yes to finalize the installation

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-AB520 **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-AB520, connected to a wireless network, and ready to communicate!**

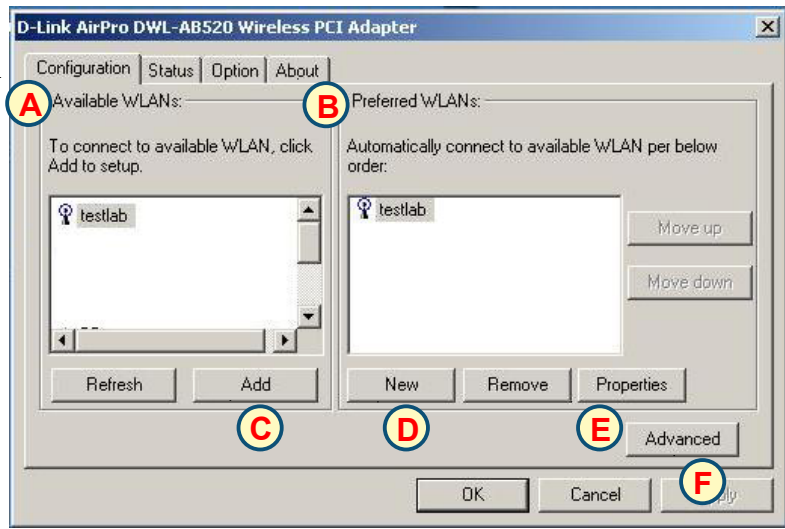**Double-click the utility icon to use the configuration utility.**

🄳 3:53 PM
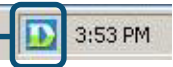
④ Using the Configuration Utility

A. Available WLAN's: is a list of all available wireless 802.11a and 802.11b networks.

B. Preferred WLAN's: is a list of all wireless 802.11a and 802.11b networks that you have connected to or are currently connected to.

C. Add : If an Access Point is not listed, click the add button to add it.

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Configuration | Status | Option | About

Ⓐ Available WLANs:

To connect to available WLAN, click Add to setup.

testlab

Refresh | Add **Ⓒ**

Ⓑ Preferred WLANs:

Automatically connect to available WLAN per below order:

testlab

Move up
Move down

New **Ⓓ** | Remove | Properties **Ⓔ**

Advanced **Ⓕ**

OK | Cancel | Apply

D. New : Allows you to add a Preferred WLAN manually.

E. Properties : Allows you to chage IP Address and Encryption settings for highlighted Preferred WLANs.

F. Advanced : Allows you to change the the connection type from Infrastructure to Adhoc.

D-Link AirPro DWL-AB520 Wireless PCI Adapter

Configuration | Status | Option | About

Connection State

Connection Status : **Ⓖ** Connected
Network name : testlab
Network Type : Infrastructure
Wep Status : Disable
Speed : 11.0 Mbps
Signal Strength :

Hardware Information

MAC Address : 00:40:05:C1:0B:3E **Ⓗ**

Advance State

Radio Status : ON
Turbo Mode : **Ⓘ** Disable

OK | Cancel | Apply

G. Connection State : Shows current settings and signal strength

H. Hardware Information: Shows MAC Address of your DWL-AB520.

I. Advance State : Shows current settings for Turbo Mode and Ratio State.
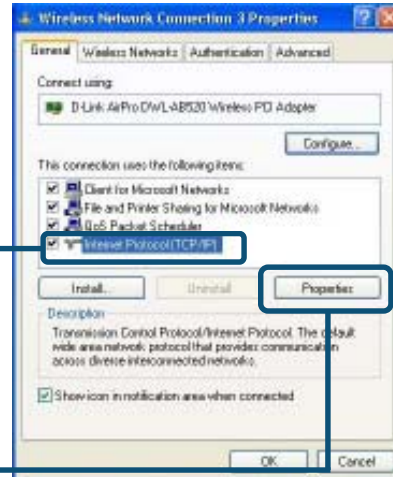
IP Address Configuration

To connect to a network, **make sure the proper network settings are configured for DWL-AB520.**

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-AB520.
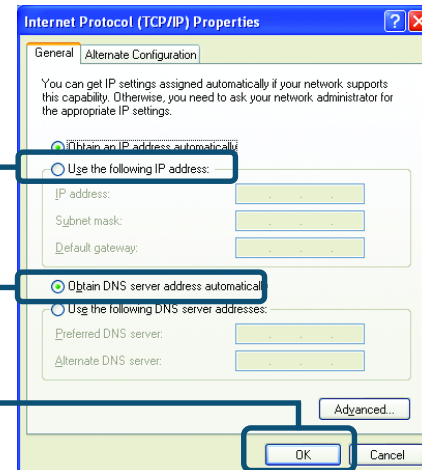
Click Internet Protocol (TCP/IP)

Click Properties

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

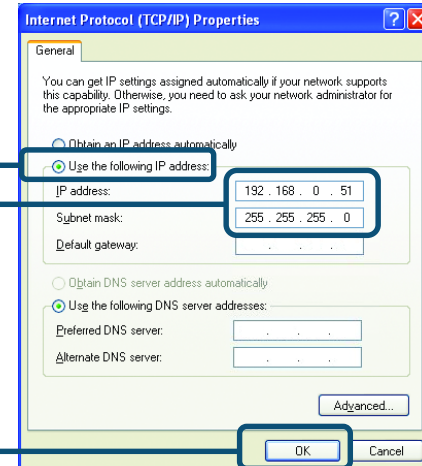**Select Obtain DNS server address automatically**

Click OK

Static IP address setup

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

Input a static IP address in the same range as the Wireless Router or Access Point.

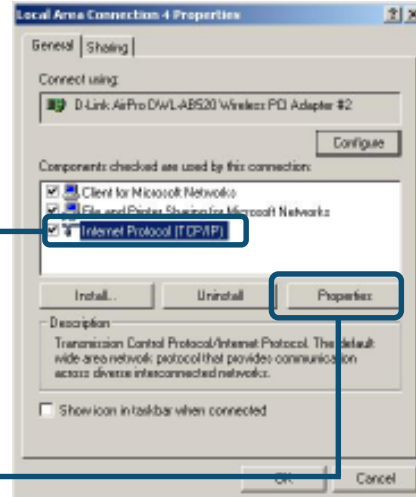**IP address: 192.168.0.51**
Subnet mask: 255.255.255.0

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-AB520 > select **Properties**
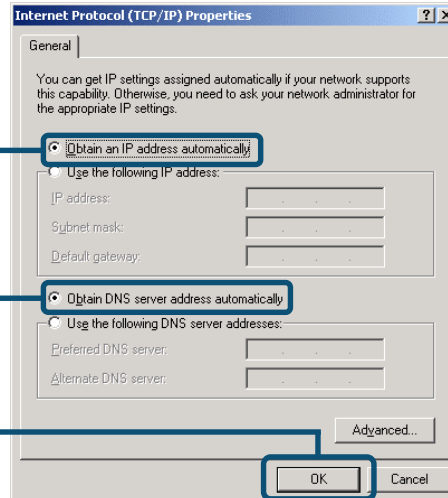
Click Internet Protocol (TCP/IP)

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
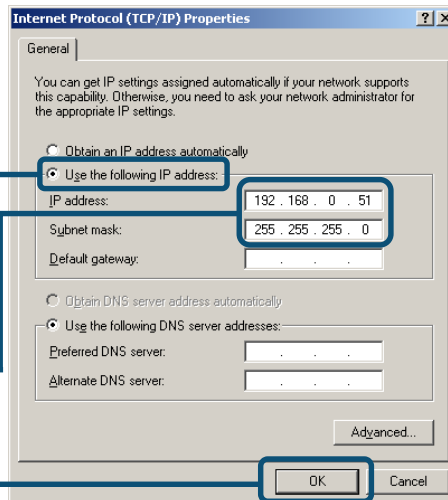
Click OK

Static IP address setup

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

Input a static IP address in the same range as 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
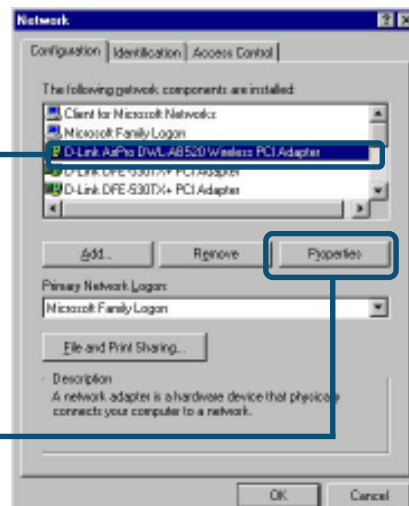
Click OK

For Windows Me and 98se users:

Click Internet Protocol (TCP/IP)
Go to Start > Settings > Control Panel > Double-click on the **Local Area Connection** associated with the DWL-AB520 > select **Properties**
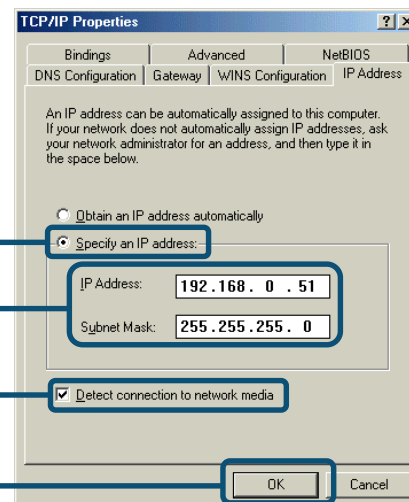
Network

Configuration | Identification | Access Control

The following network components are installed:

- Client for Microsoft Networks
- Microsoft Family Logon
- D-Link AirPro DWL-AB520 Wireless PCI Adapter
- D-Link DFE-530TX+ PCI Adapter
- D-Link DFE-530TX+ PCI Adapter

Add... | Remove | Properties

Primary Network Logon:

Microsoft Family Logon

File and Print Sharing...

Description
A network adapter is a hardware device that physically connects your computer to a network.

OK | Cancel

Click Internet Protocol (TCP/IP)

Click Properties

Setup for wireless router or Access Point using DHCP server.

TCP/IP Properties

Bindings | Advanced | NetBIOS
DNS Configuration | Gateway | WINS Configuration | IP Address

An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.

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

- ⦿ Obtain an IP address automatically
- ○ Specify an IP address:

IP Address: [. . .]

Subnet Mask: [. . .]

Select Detect connection to network media

☑ Detect connection to network media

Click OK

OK | Cancel

Static IP address setup

TCP/IP Properties

Bindings | Advanced | NetBIOS
DNS Configuration | Gateway | WINS Configuration | IP Address

An IP address can be automatically assigned to this computer. If your network does not automatically assign IP addresses, ask your network administrator for an address, and then type it in the space below.

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

- ○ Obtain an IP address automatically
- ⦿ Specify an IP address:

IP address: 192.168.0.51
Subnet mask: 255.255.255.0

IP Address: 192.168. 0 . 51

Subnet Mask: 255.255.255. 0

Select Detect connection to network media

☑ Detect connection to network media

Click OK

OK | Cancel

NOTES

Technical Support

Software updates and documentation are available 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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