D-Link
Quick Installation Guide

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

DWL-G650
Xtreme G 2.4GHz Wireless Cardbus Adapter

Before You Begin
You must have at least the following:
- A laptop computer with an available 32-bit Cardbus slot
- At least a 300 MHz processor and 32 MB of memory
- Cardbus 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-G650 purchase:

DWL-G650 Xtreme G 2.4GHz Wireless Cardbus 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*Extreme DWL-G650 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-G650 Cardbus Adapter into your computer before installing the driver software on the D-Link CD!**
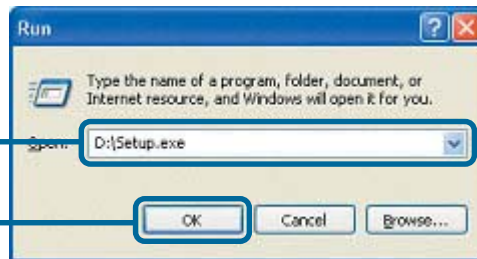
① Continued...

The Install Screen will appear.
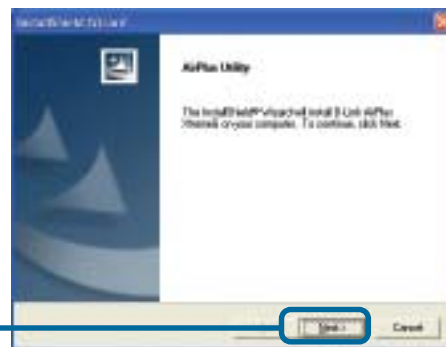
Click Install Driver/PC Utility

If the CD Autorun function does not automatically start on your computer , type "D:\Setup.exe." If it does start, proceed to the next screen.
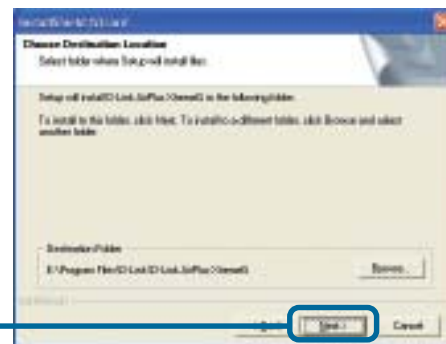
Type "D:\Setup.exe."

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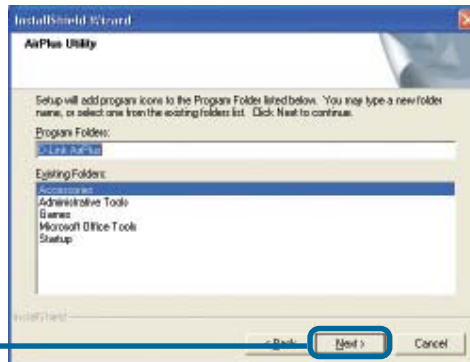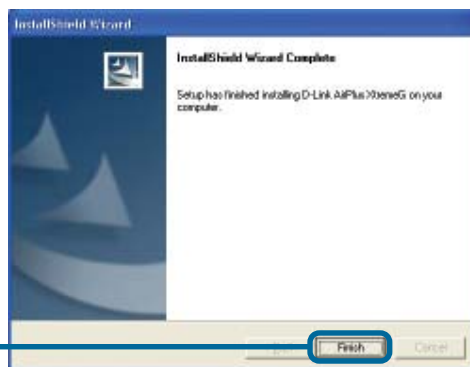
Click OK

Click Next

Click Next

Click Next
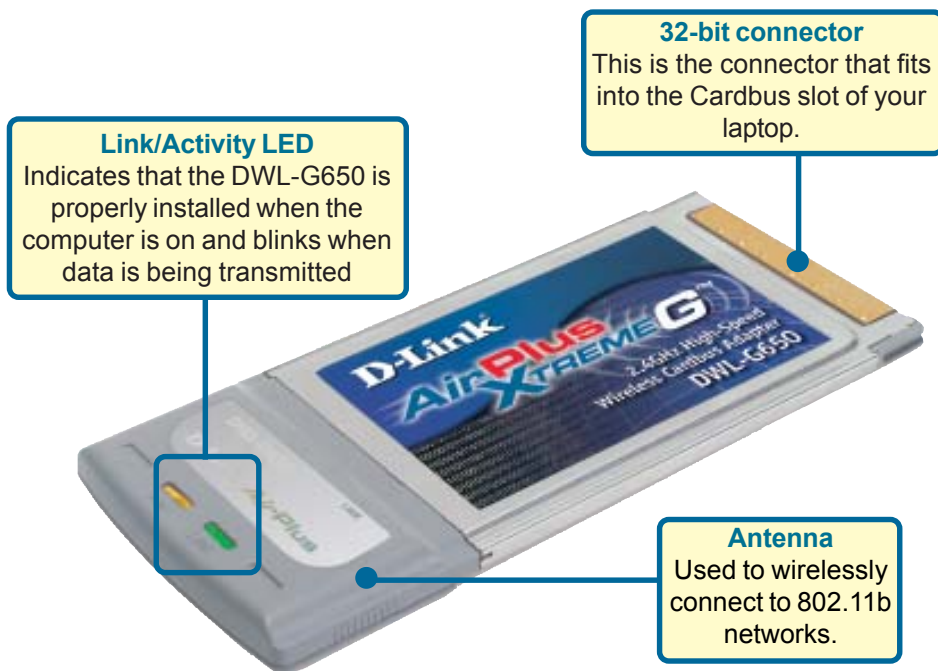
Click Next

Click Finish

Shut down your computer

2 **Installing the DWL-G650 Wireless Cardbus Adapter in Your Computer**

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

C. Gently insert the DWL-G650 into the Cardbus slot in your laptop computer (as shown.)

32-bit connector
This is the connector that fits into the Cardbus slot of your laptop.

Link/Activity LED
Indicates that the DWL-G650 is properly installed when the computer is on and blinks when data is being transmitted

Antenna
Used to wirelessly connect to 802.11b networks.

3 Restart Your Computer

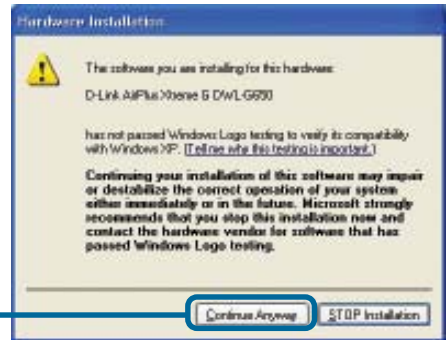When you restart your computer this **Found New Hardware Wizard** (Windows XP) screen will appear:

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

Click **Next**

⚠️ *For Windows XP*: This **Hardware Installation** alert screen may appear after the desktop computer restarts.

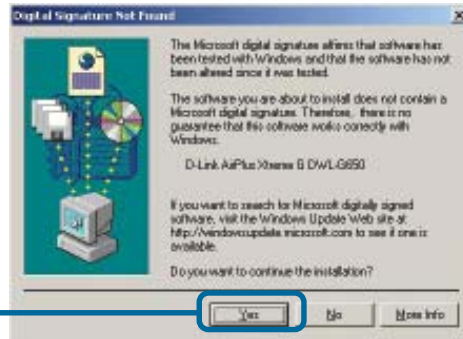**Click** Continue Anyway to finalize the installation

Click Finish to finalize the installation.

3 **Continued...**

⚠️ **For Windows 2000,** this **Digital Signature Not Found** screen may appear after your computer restarts.

Click Yes to finalize the installation.

⚠️ **The D-Link driver software for this device is undergoing Windows Logo testing. Microsoft certification is pending.**
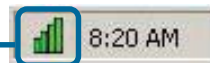
4 **Your Installation is Complete!**

After you've continued in Windows XP, 2000, ME, or 98SE, the D-Link *Air*Exteme DWL-G650 **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-G650, are connected to a wireless network and are ready to communicate!**

If the utility icon does not appear, double-click the shortcut icon that has appeared on your desktop.

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

Appendix

Using the Configuration Utility

A. Status: Displays the MAC Address of the Access Point that is associated with the DWL-G650.

B. SSID: The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to **default**.

C. TxRate: The default setting is **Auto**; meaning, TxRate settings are automatically determined by the DWL-G650 depending on the distance from the access point.

D. Channel: Displays the channel information. By default, the channel is set to 6 and selection is automatically determined by the DWL-G650.

E. Link Quality / Signal Strength: Displays the Link Quality for the DWL-G650 wireless connection to the access point. The Signal Strength represents the wireless signal between the access point and the DWL-G650. The percentage coincides with the graphical bar.

F. Data Rate: Graphically displays the statistics of data transmitted and received.

Appendix

G. SSID: The Service Set Identifier is the name assigned to the wireless network. The factory SSID setting is set to **default**. Make changes here to match the SSID on existing Wireless Router or Access Point.

H. Wireless Mode: The factory setting is set to **Infrastructure**. Ad-Hoc mode is used for peer-to-peer networking.

I. Channel: By default, the channel is set to **6**. Channel selection is automatically determined by the DWL-G650 depending on the channel setting of the access point selected for association. To change the channel settings, the **Wireless Mode** must be set to **Ad-hoc**.

J. TxRate: You can adjust the transmission rate to get the best signal possible depending on your usage and your environment.

K. Preamble: By default, D-Link Air Products are set to **Auto** Preamble. The Preamble defines the length of the CRC block (Cyclic Redundancy Check is a common technique for detecting data transmission errors) for communication between the Access Point and wireless network adapters. High network traffic areas should use the shorter preamble type.

L. Power Mode: By default, Power Mode is set to Continuous Access Mode. **Continuous Access Mode** — this default setting consumes the most power. **Maximum Power Save** — this setting consumes the least power. **Power Save** — this setting consumes a moderate amount of power.

⚠ The preamble setting of the DWL-G650 must match the preamble setting of the Wireless Router or Access Point in order to communicate on the network.
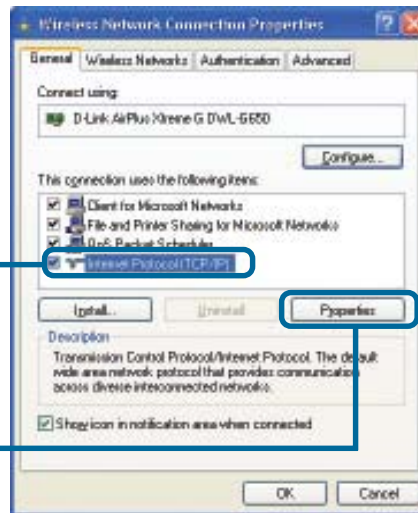
IP Address Configuration

To connect to a network, **make sure the proper network settings are configured for DWL-G650.**

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-G650.

Click Internet Protocol (TCP/IP)

Click Properties

Dynamic IP address setup

Used when a DHCP server is available on the local network. (i.e. Router)

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

Select Obtain DNS server address automatically
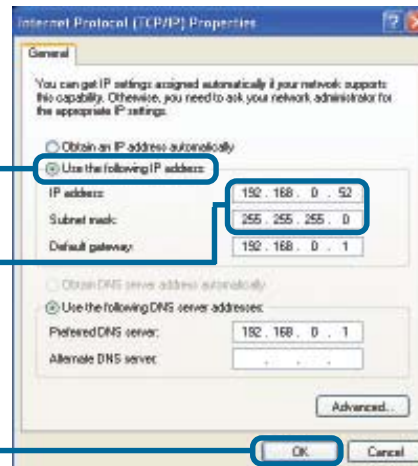
Click OK

Static IP address setup

Used when a DHCP server is not available on the local network.

Select Use the following IP address

IP address: 192.168.0.52
Subnet mask: 255.255.255.0

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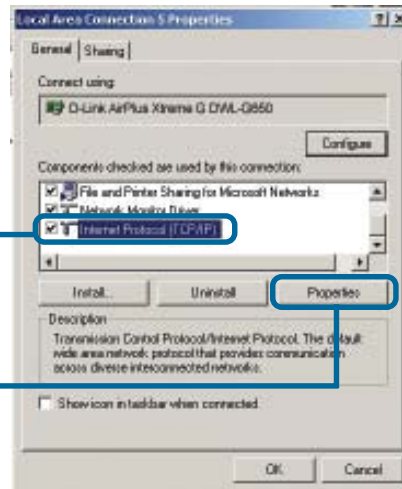
Click OK

For Windows 2000 users:

Go to **Start** > **Settings** > **Network and Dial-up Connections** > Double-click on the **Local Area Connection** associated with the DWL-G650 > select **Properties**

Click Internet Protocol (TCP/IP)
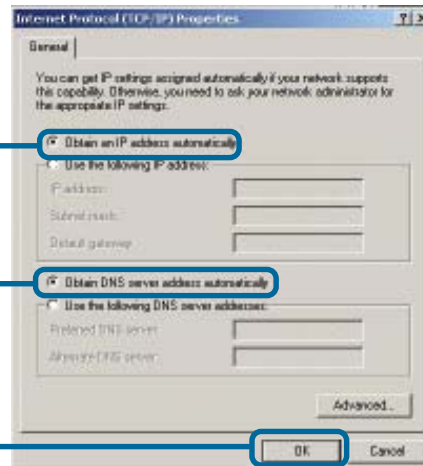
Click Properties

Dynamic IP address setup

Used when a DHCP server is available on the local network. (i.e. Router)

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

Select Obtain DNS server address automatically
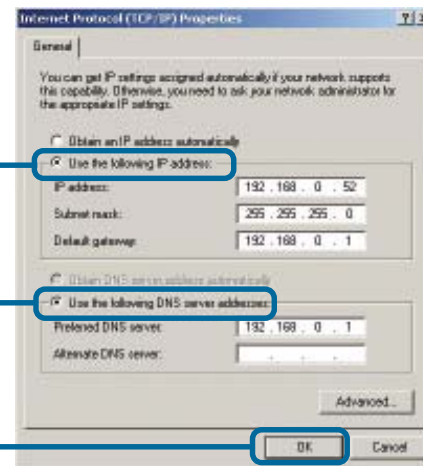
Click OK

Static IP address setup

Used when a DHCP server is not available on the local network.

Select Use the following IP address

IP address: 192.168.0.52
Subnet mask: 255.255.255.0

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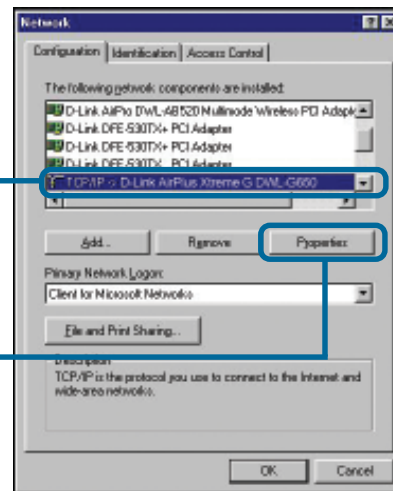
Click OK

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-G650 > select **Properties**

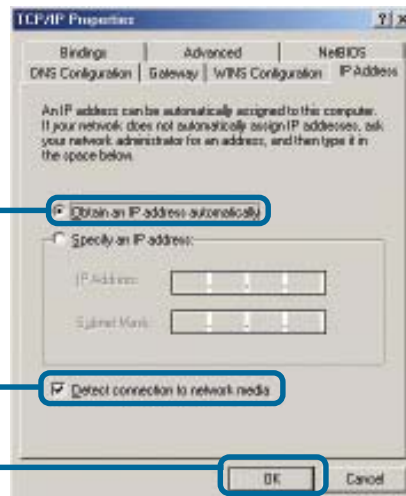> **Click Internet Protocol (TCP/IP)**

> **Click Properties**

Dynamic IP address setup

Used when a DHCP server is available on the local network. (i.e. Router)

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

> **Select Detect connection to network media**
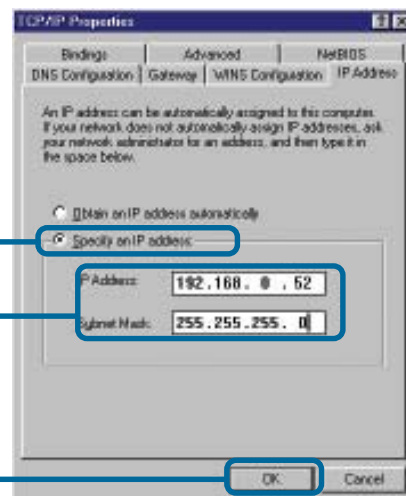
> **Click OK**

Static IP address setup

Used when a DHCP server is not available on the local network.

> **Select Use the following IP address**

> **IP address: 192.168.0.52**
> **Subnet mask: 255.255.255.0**

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

> **Click OK**

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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