

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 AirExtreme 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...

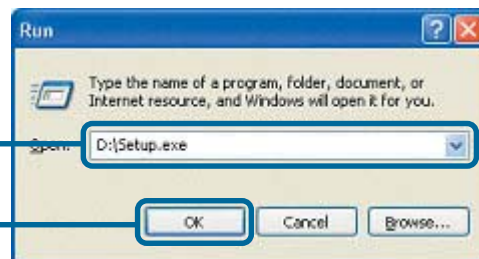
The Install Screen will appear.

Click **Install Driver/PC Utility**



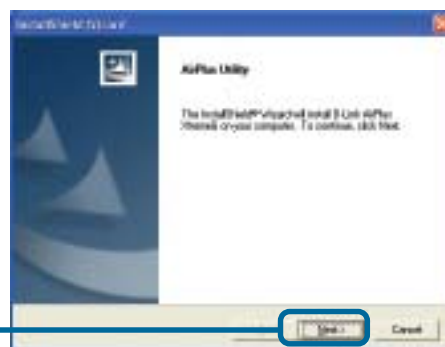
If the CD Autorun function does not automatically start on your computer, type "D:\Setup.exe." If it does start, proceed to the next screen.

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

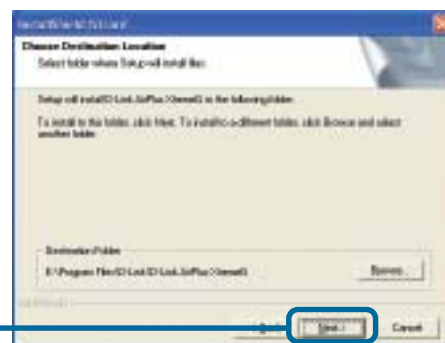


 The letter **"D"** represents the letter of the CD-ROM drive. Your CD-ROM drive may be a different drive letter.

Click **OK**

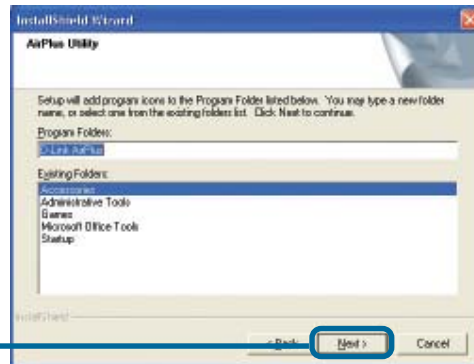


Click **Next**



Click **Next**

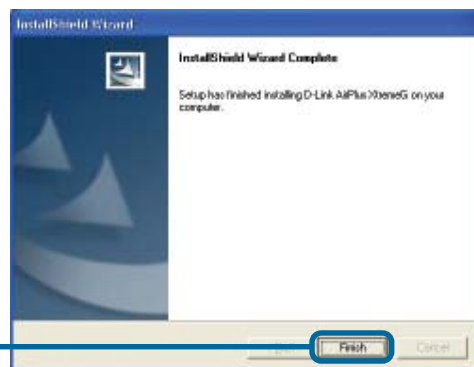
Click **Next**



Click **Next**



Click **Finish**



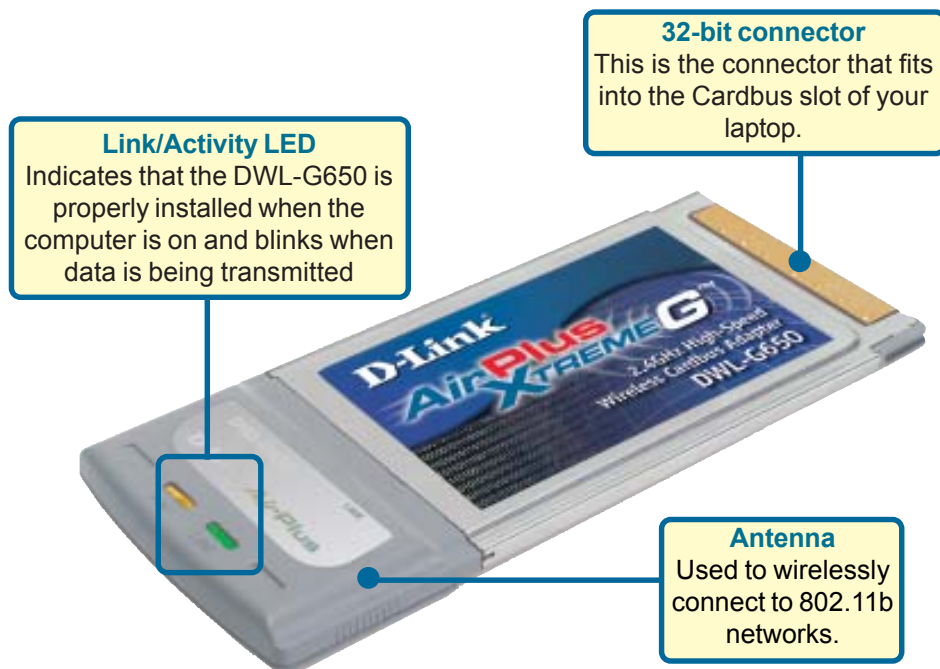
Shut down your computer

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.)



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.

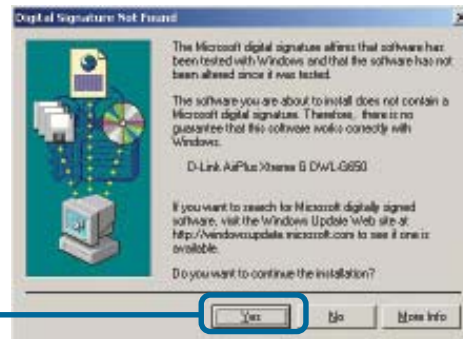


3

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

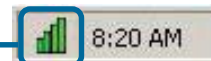
Your Installation is Complete!

After you've continued in Windows XP, 2000, ME, or 98SE, the D-Link Air/Extreme 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.



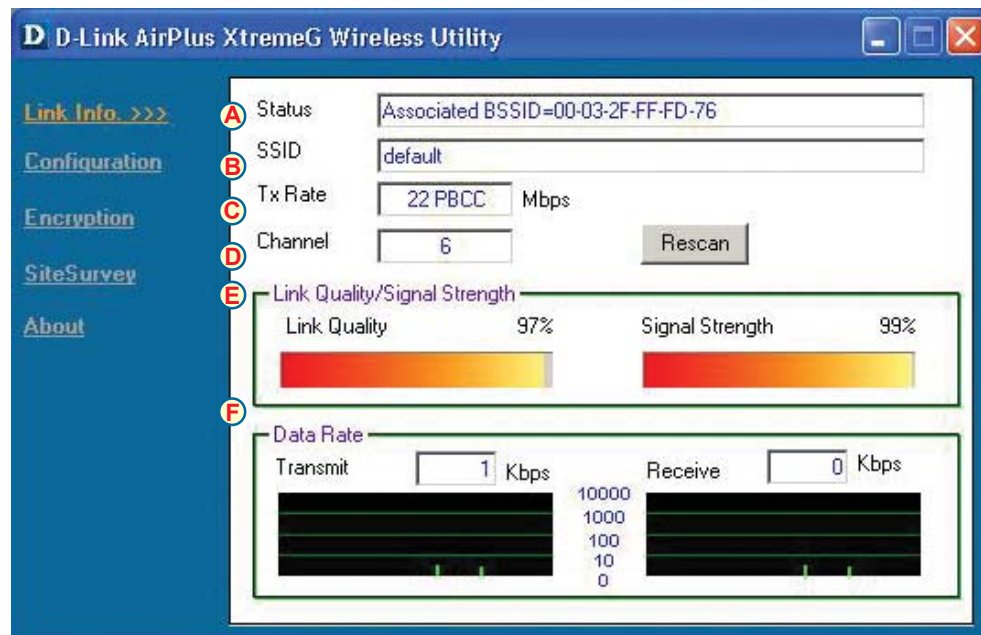
Appendix

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**.

D-Link AirPlus XtremeG Wireless Utility

Link Info.

Configuration >>>

Encryption

Site Survey

About

G SSID: default

H Wireless Mode: Infrastructure

I Channel: 6

J Tx Rate: Auto

K Preamble: Auto

L Power Mode: Continuous Access Mode

Apply Cancel

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

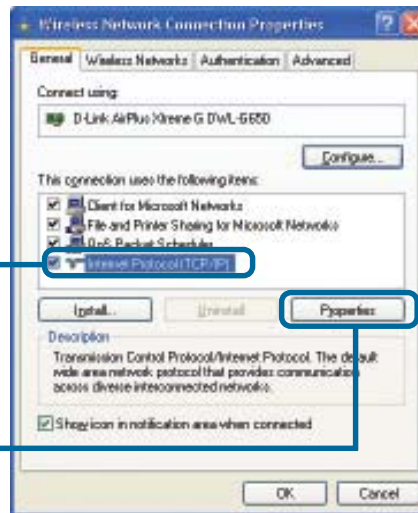
To connect to a network, **make sure the proper network settings are configured for DWL-G650.**

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

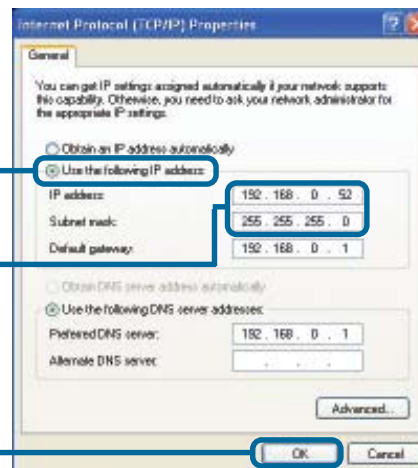
Used when a **DHCP server** is not available on the local network.

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**

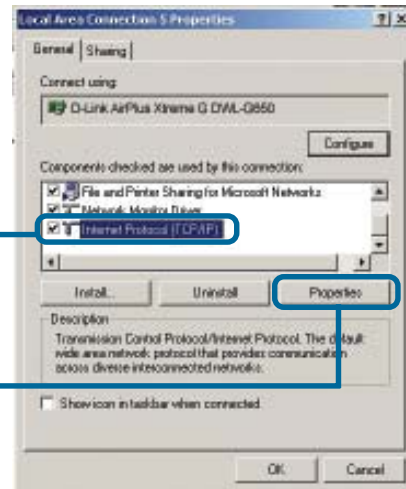


For Windows 2000 users:

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**



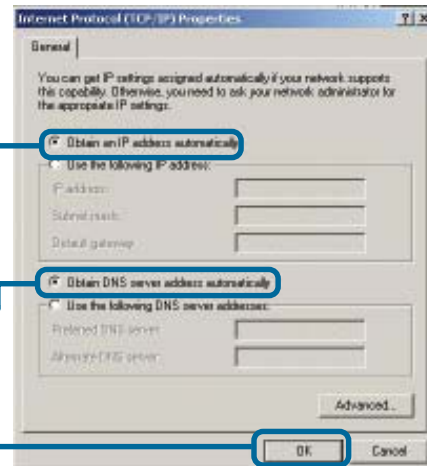
Dynamic IP address setup

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

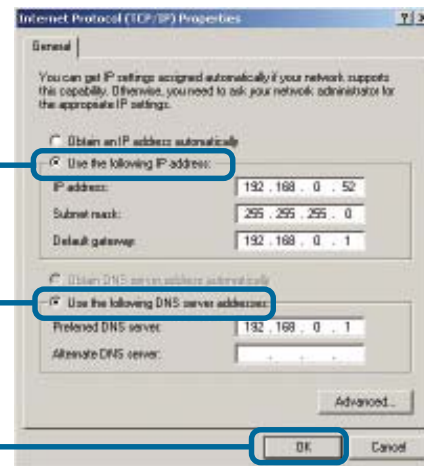
Used when a **DHCP server** is not available on the local network.

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**



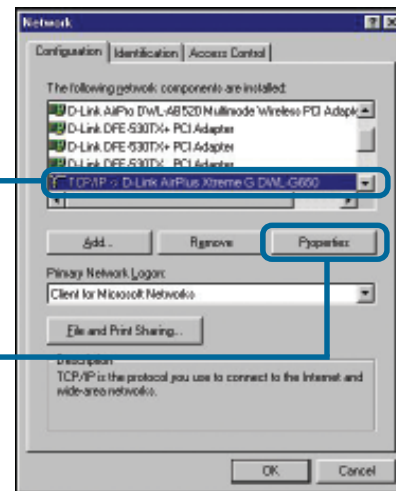
For Windows Me and 98se users:

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**



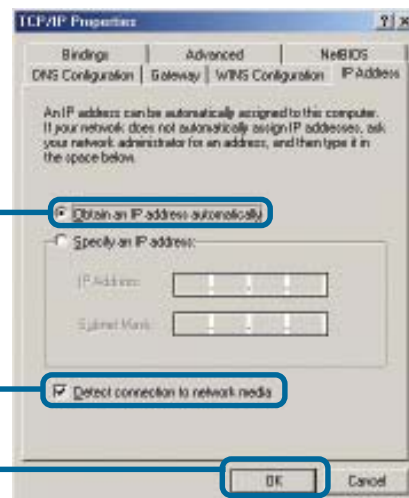
Dynamic IP address setup

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

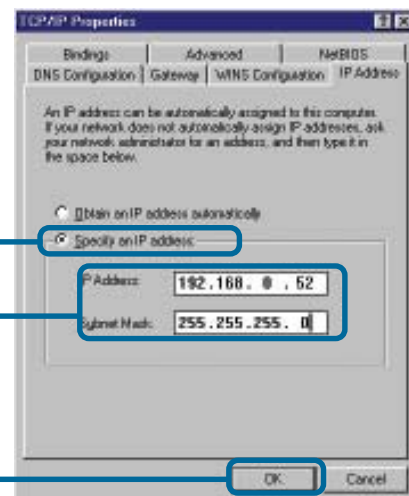
Used when a **DHCP server** is not available on the local network.

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

