

D-Link Quick Installation Guide

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



DWL-G650

*AirPlus XtremeG 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 32MB of memory
- Cardbus Controller properly installed and working in the laptop computer
- An 802.11g or 802.11b Access Point (for Infrastructure Mode) or another 802.11g 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-G650 purchase:



DWL-G650 AirPlus XtremeG 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 AirPlus XtremeG 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 from the D-Link CD!

1

Continued...

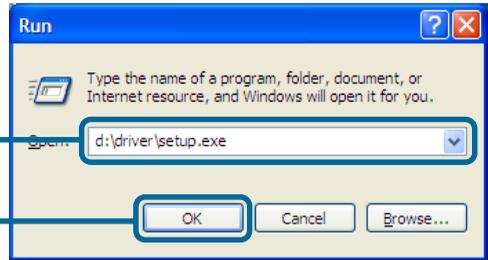
The Install Screen will appear.

Click **Install Driver**



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

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

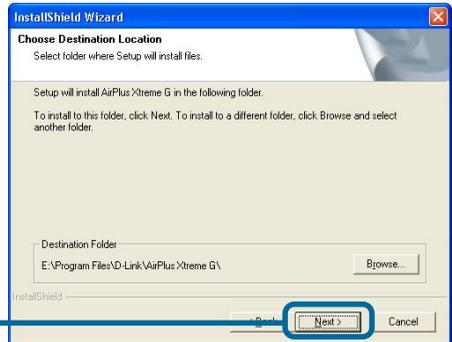


 **The letter "D" represents the letter of the CD-ROM drive. Your CD-ROM drive may be a different drive letter.**

Click **OK**

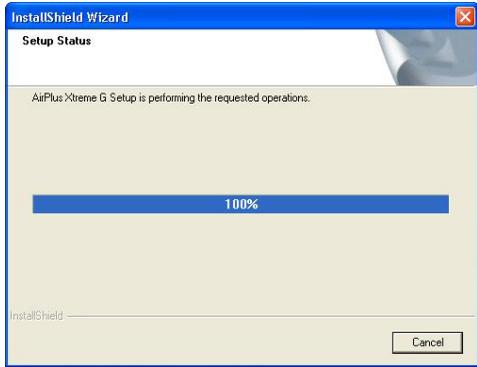


Click **Next**



Click **Next**

Click Next



Click Finish



Shut down your computer
Remember to leave the Driver CD in the CD-ROM drive.

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.)

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

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



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 may appear:

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

Click **Next**



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

Click **Continue Anyway** to finalize the installation



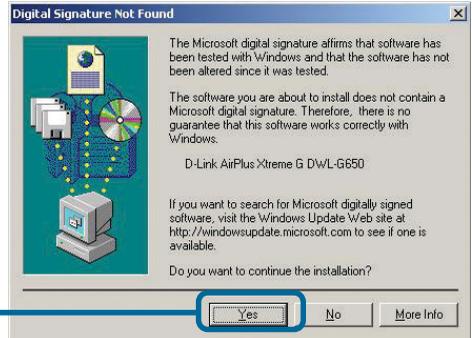
Click **Finish** to finalize the installation.



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 have continued in Windows XP, 2000, Me, or 98SE, the D-Link 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.



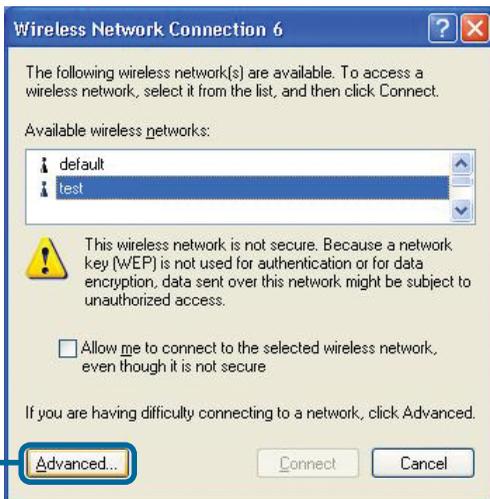
Double-click the **utility icon** to use the configuration utility.



Appendix

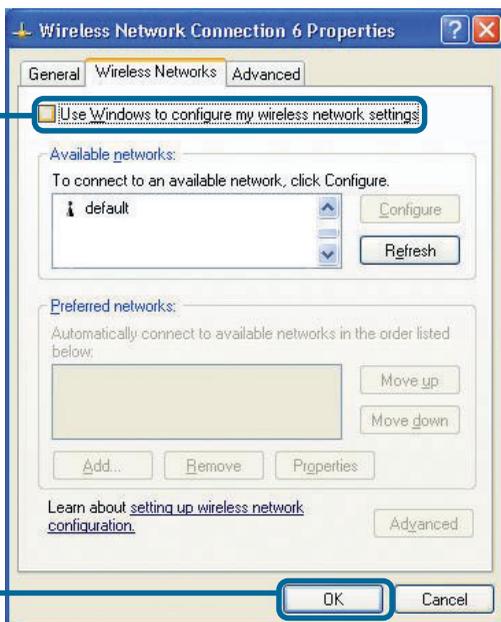
For Windows XP, if you wish to use the Xtreme G utility, please do the following steps.

Click the **XP Networking icon** to use the Zero Configuration Wireless Settings.



Click **Advanced**

Uncheck "Use Windows to configure my wireless network settings."



Click **OK**

Appendix (cont.)

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. Frequency: Displays the current frequency used by the adapter.

D. Wireless Mode: The factory setting is set to Infrastructure. Ad-Hoc mode is used for Peer-to-Peer networking.

D-Link AirPlus Utility

Link Info

- A** Status: Associated BSSID=00:0D:88:80:8D:81
- B** SSID: DI-624C
- C** Frequency: 802.11g
- D** Wireless Mode: Infrastructure
- E** Encryption: Enabled
- F** Tx Rate: 54.0 Mbps
- G** Channel: 10
- H** Signal Quality:
 Signal Strength: 98%
- I** Packet Count:
 Transmit: >500
 Receive: 250

E. Encryption: Displays the current encryption status of the wireless connection.

F. Tx Rate: The default rate is automatically determined by the DWL-G650 depending on the distance from the access point.

G. Channel: Displays the channel information. By default, the channel is set to 6. Please note that the DWL-G650 will automatically adjust channel depending on the access point.

I. Packet Count: Graphically displays the statistics of data transmitted and received.

H. Signal Strength: Represents the wireless signal quality and strength between the access point and the DWL-G650. The percentage coincides with the graphical bar.

Appendix (cont.)

Using the Configuration Utility (cont.)

J. 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.

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

L. Data Encryption: The default setting is set to **Disabled**. The adapter supports WEP when encryption is enabled.

D-Link AirPlus Utility

Link Info

Configuration

Advanced

Site Survey

About

J SSID

K Wireless Mode

L Data Encryption

M Authentication

N Key Length

O IEEE802.1X

1

2

3

4

Authentication Config

IP Settings

Apply

M. Authentication: You can specify the authentication mode for the wireless network. The default setting is set to **Open**.

N. Key Length: When encryption is enabled, you will have the option to specify the level and key format of the encryption used. Select the appropriate Key Index : 1-4 and enter ACSII or hexadecimal digits in the appropriate field.

O. IEEE 802.1x: When encryption is enabled, you will have the option to specify the level and key format of the encryption used. Select the appropriate Key Index : 1-4 and enter ACSII or hexadecimal digits in the appropriate field.

IP Address Configuration

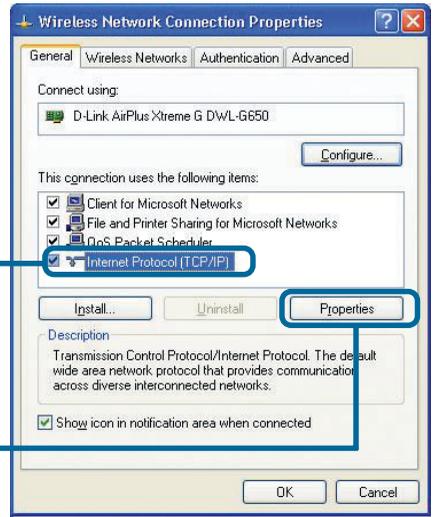
To connect to a network, **make sure the proper network settings are configured for DWL-G650.**

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**



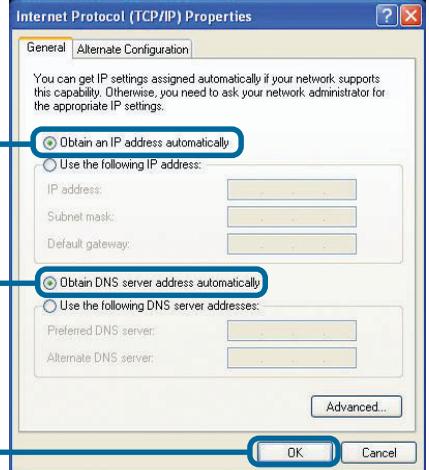
Dynamic IP address setup

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

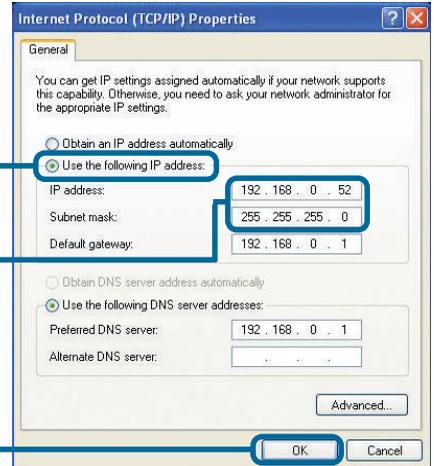
Used when a **DHCP server** is not available on the local network.

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**

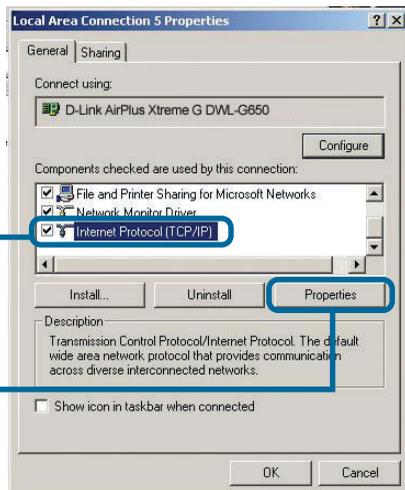


For Windows 2000 users:

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**



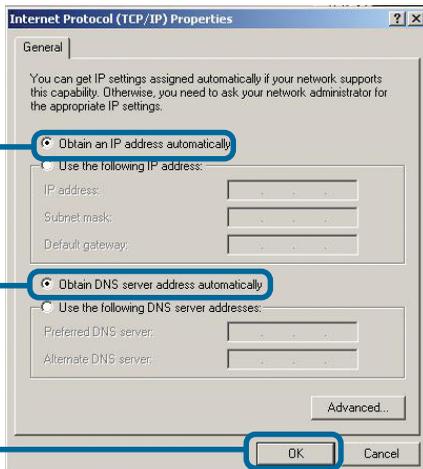
Dynamic IP address setup

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

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Select **Obtain DNS server address automatically**

Click **OK**



Static IP address setup

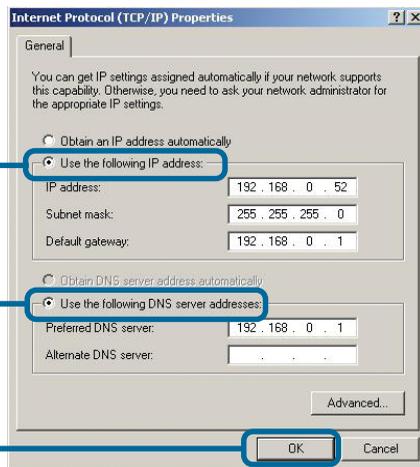
Used when a **DHCP server** is not available on the local network.

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**



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

