# D-Link®
## Building Networks for People



# ▪▪Install Guide

## Version 1.0

### DWL-G550

## High-Powered Wireless 108G Desktop Adapter

# System Requirements

Minimum System Requirements:

- ■ A computer with an available PCI slot.
- ■ At least a 500MHz processor and 64MB of memory.
- ■ An 802.11g Access Point (for Infrastructure Mode).

# Package Contents



**D-Link DWL-G680**
High-Powered Wireless
108G Desktop Adapter
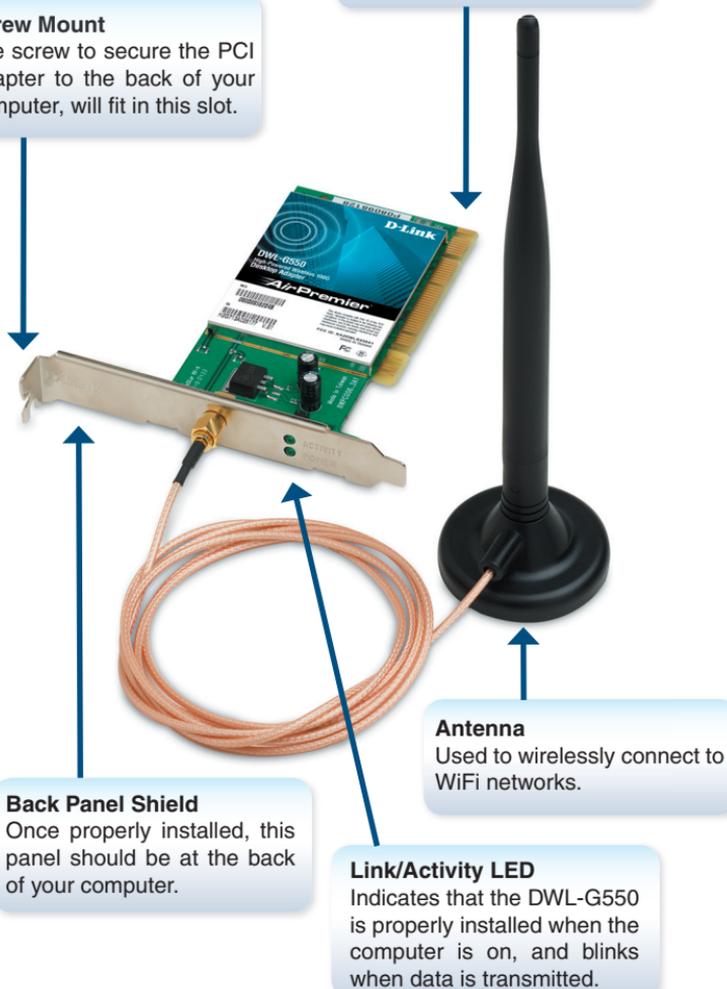
**Manual and Utility
on CD**

# Hardware Overview

**32-bit connector**
This is the connector that fits into the PCI slot on your computer's motherboard.

**Screw Mount**
The screw to secure the PCI Adapter to the back of your computer, will fit in this slot.



**Antenna**
Used to wirelessly connect to WiFi networks.

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

**Link/Activity LED**
Indicates that the DWL-G550 is properly installed when the computer is on, and blinks when data is transmitted.

# Installing the Drivers

Do NOT install the DWL-G550 Wireless PCI Adapter into your computer before installing the driver software from the D-Link CD!
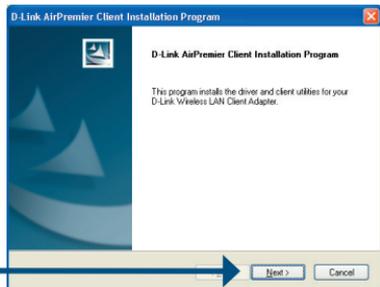
The step-by-step instructions that follow are shown in Windows XP. The steps and screens are similar for the other Windows operating systems.
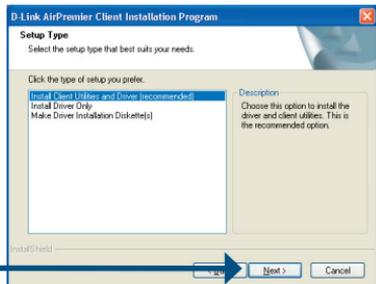
Click **Install Drivers**

If the Installation Wizard does not automatically start on your computer, type "D:\Drivers\setup.exe." If the Wizard does start, proceed to the next screen.
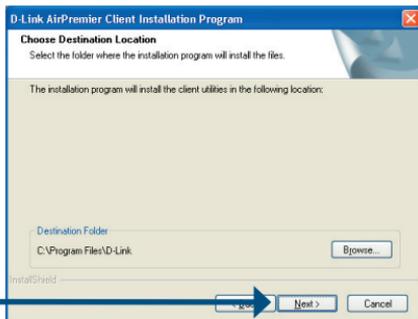
Click **Next**

If prompted to 'Restart system after completion of operation', click Yes to continue.
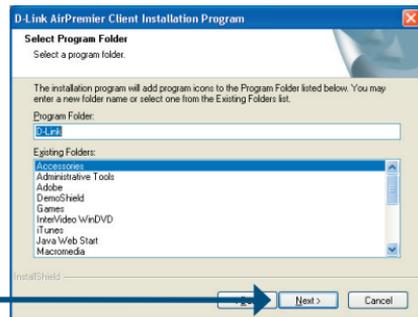
Click **Next**

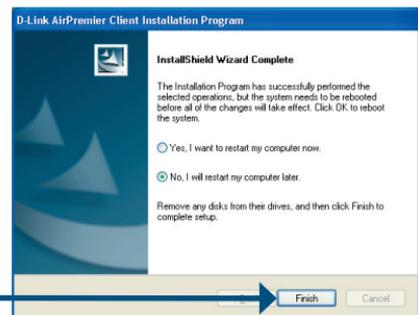# Installing the Drivers (continued)

Click **Next**

Click **Next**

Select '**No, I will restart my computer later**' and Click **Finish**

# Hardware Installation

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

**B.**  Install the DWL-G550 carefully and firmly seat it into an available PCI slot (which is usually white or cream colored).

**C.**  Secure the DWL-G550 back panel shield with a screw.

**D.**  Replace the computer's cover.

**E.**  Attach the DWL-G550's antenna to the socket on the back panel shield.

**F.**  Plug in the power cord and restart your computer.

To avoid damage caused by static electricity, make sure to properly ground yourself, by first touching a metal part of your computer to discharge any static electricity, before working with the DWL-G550 Wireless PCI Adapter.

# 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**

Click **Continue Anyway.**

Click **Finish** to complete the installation.

# Your Setup is Complete

The D-Link *Air*Premier®  DWL-G550 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-G550, are connected to a wireless network, and are ready to communicate!

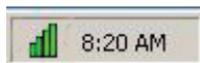If the utility icon does not appear, double-click the **shortcut icon** that has appeared on your desktop.



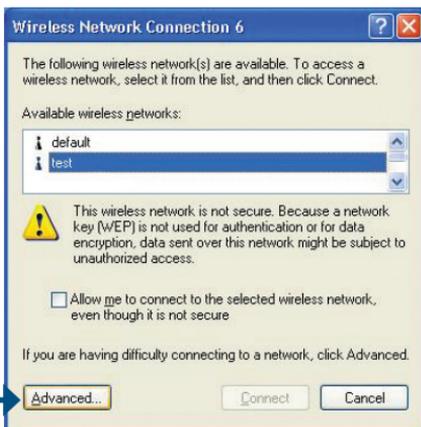Double-click the **utility icon** to use the configuration utility.
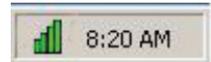
# Using the Utility in Windows XP

For Windows XP, if you wish to use the *Air*Premier® utility, please do the following:

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

**Wireless Network Connection 6**

The following wireless network(s) are available. To access a wireless network, select it from the list, and then click Connect.

Available wireless networks:

| default |
| test |

⚠ This wireless network is not secure. Because a network key (WEP) is not used for authentication or for data encryption, data sent over this network might be subject to unauthorized access.

☐ Allow me to connect to the selected wireless network, even though it is not secure

If you are having difficulty connecting to a network, click Advanced.

Click **Advanced.**

Advanced...          Connect          Cancel

**Wireless Network Connection 6 Properties**

General | Wireless Networks | Advanced

☐ Use Windows to configure my wireless network settings

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

Available networks:

To connect to an available network, click Configure.

| default |

Configure
Refresh

Preferred networks:

Automatically connect to available networks in the order listed below:

Move up
Move down

Add...          Remove          Properties

Learn about setting up wireless network configuration.          Advanced

Click **OK.**

OK          Cancel
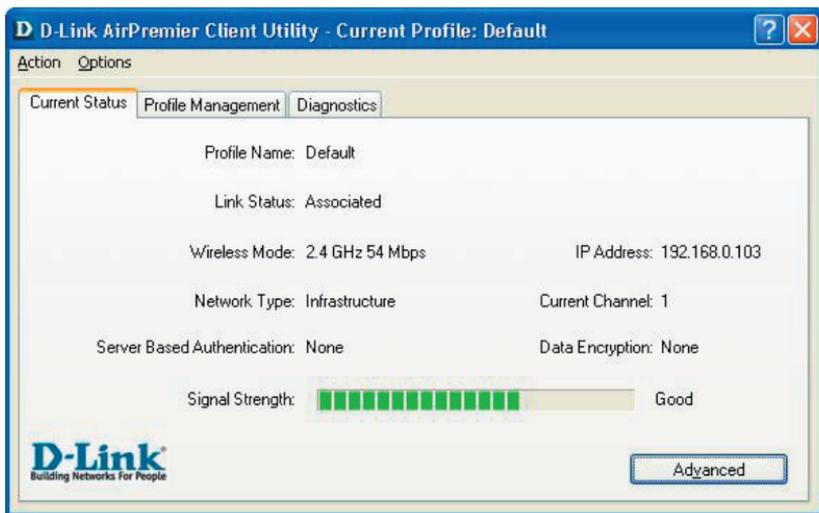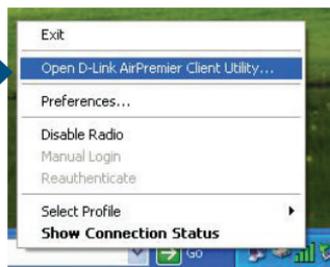
# Connect to Wireless Network

To connect to a wireless network, launch the D-Link Client Utility and click on **Profile Management**.

Right-click the utility icon and select Open D-Link *Air*Premier Client Utility.

| Exit |
| Open D-Link AirPremier Client Utility... |
| Preferences... |
| Disable Radio |
| Manual Login |
| Reauthenticate |
| Select Profile ▶ |
| **Show Connection Status** |

**D-Link AirPremier Client Utility - Current Profile: Default**

Action   Options

Current Status | Profile Management | Diagnostics

Profile Name: Default

Link Status: Associated

Wireless Mode: 2.4 GHz 54 Mbps          IP Address: 192.168.0.103

Network Type: Infrastructure          Current Channel: 1

Server Based Authentication: None          Data Encryption: None

Signal Strength: ▮▮▮▮▮▮▮▮▮▮▮▮          Good

**D-Link**
Building Networks For People                    Advanced

**Profile Name:** Displays the current profile being used.

**Link Status:** Displays the adapter's connection to the network.

**Wireless Mode:** Displays the wireless mode.

**IP Address:** Displays the IP address of the DWL-G550.

**Network Type:** The factory setting is set to Infrastructure. Ad-Hoc mode is used for peer-to-peer networking.

**Current Channel:** Displays the channel information. By default, the channel is set to 6 and selection is automatically determined by the DWL-G550.

**Server based Authentication:** Displays if using 802.1x.

**Data Encryption:** Displays the current encryption level.

**Signal Strength:** Represents the wireless signal between the access point and the DWL-G550. The percentage coincides with the graphical bar.

After clicking **Profile Management,** you will see the following screen.

Click **Scan**



Select an available wireless network

Click **Activate**
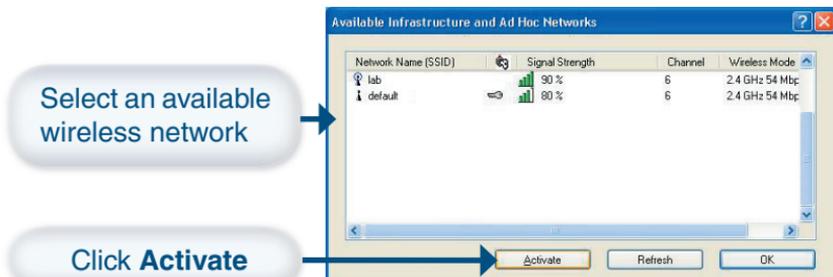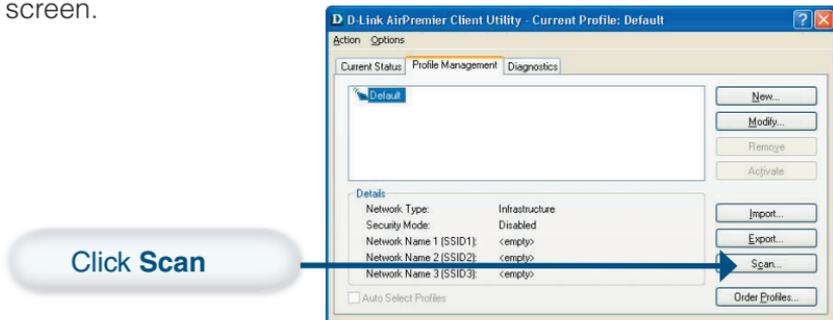
Enter a unique name for the
new wireless connection

Click **OK**
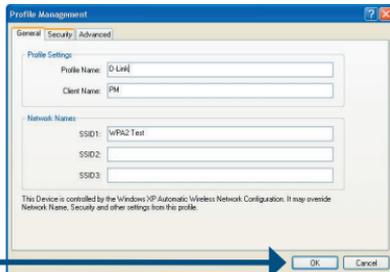
Select a security option (in
this example we will use
WEP)

Click **OK**
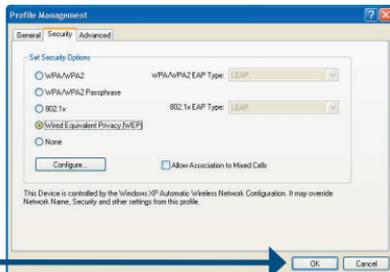
Enter the WEP transmit key

Click **OK**
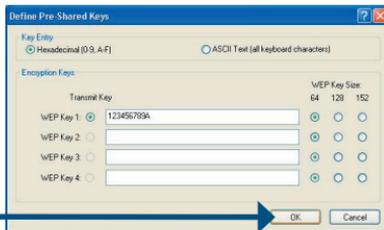
Congratulations, you've created a
Wireless Network Connection.
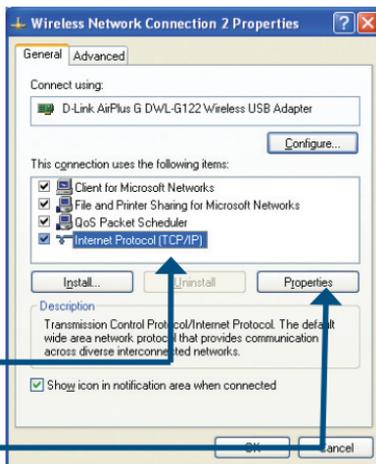
# IP Address Configuration

To connect to a network, make sure the proper network settings are configured for the DWL-G550.

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-G550.

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

Click **Properties**

### Dynamic IP address setup

Used when a DHCP server is available on the local network (e.g., a 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**
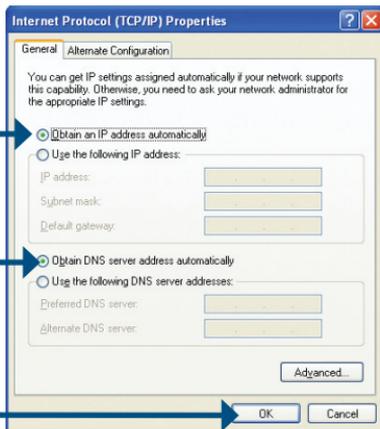
# IP Address Configuration (continued)

### Static IP address setup

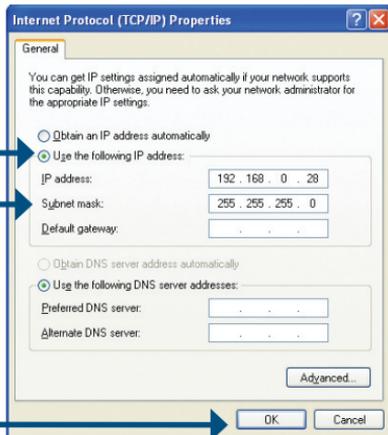Used when a DHCP server is not available on the local network.

Select **Use the following IP address**

**IP address:** 192.168.0.28

**Subnet Mask:** 255.255.255.0

Input a static IP address in the same range as the wireless router or access point.
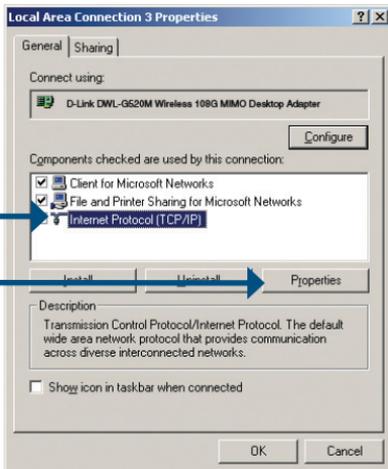
Click **OK**

### For **WINDOWS 2000:**

Go to Start > Settings > Network and Dial-Up connections > double-click on the Local Area Connection associated with the DWL-G550 > select Properties.

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

Click **Properties.**

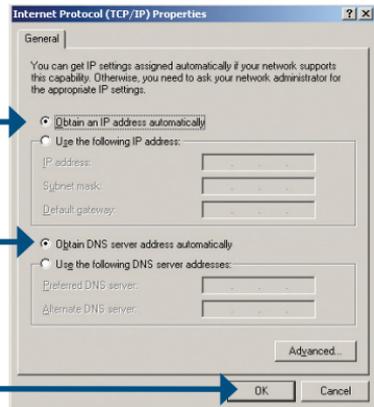# IP Address Configuration (continued)

### Dynamic IP address setup

Used when a DHCP server is available on the local network.
(e.g., a 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

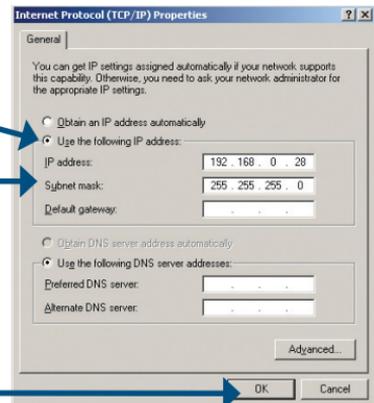Used when a DHCP server is not available on the local network.

Select **Use the following IP address**

**IP address:** 192.168.0.28

**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

D-Link's website contains the latest user documentation and software updates for D-Link products.

D-Link provides free technical support for customers within the United States and Canada for the duration of the product's warranty period.

U.S. and Canadian customers can contact D-Link Technical Support through our website or by phone.

## United States

### Telephone

(877) 453-5465

**Monday through Friday 8:00am to 5:00pm (PST)**

### World Wide Web

http://support.dlink.com

### E-mail

support@dlink.com

## Canada

### Telephone

(800) 361-5265

Monday through Friday, 7:30am to 12:00am EST.

### World Wide Web

http://support.dlink.ca

### E-mail

support@dlink.ca



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