D-Link®
Building Networks for People

∷Install Guide

Version 1.0

DWL-G520M

Wireless 108G MIMO Desktop Adapter

System Requirements

Minimum System Requirements:

- A desktop computer with an available 32-bit PCI slot

- At least 500MHz processor and 64MB of memory

- An 802.11g Access Point (for Infrastructure mode)

Package Contents

D-Link DWL-G520M
Wireless 108G MIMO
Desktop Adapter

**Manual and
Software on CD**

Hardware Overview

Link/Activity LED
Indicates that the adapter 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 PCI slot on your computer's motherboard.

Smart Antenna
Used to wirelessly connect to WiFi networks.

Installing the Drivers

Do NOT install the DWL-G520M Wireless 108G MIMO Desktop 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.
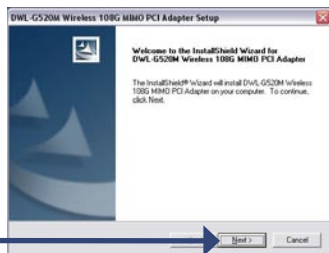
Turn on the computer and insert the D-Link DWL-G520M Driver CD in the CD-ROM drive. The installation Wizard will automatically appear.
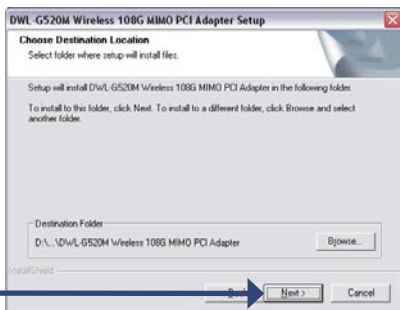
Click **Install Drivers** →

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.
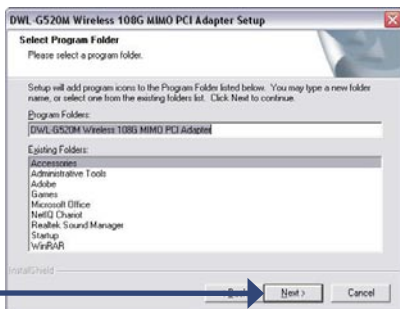
Click **Next** →
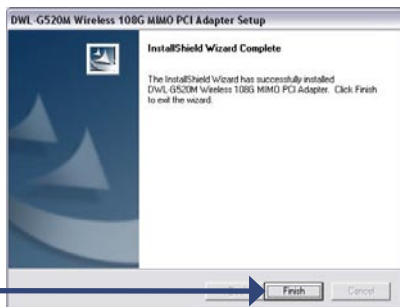
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Installing the Drivers (continued)

Click **Next**

Click **Next**

Click **Finish**

Select "**No, I will restart my computer later**" and click **Finish**. Shut down your computer and unplug its power cable. Remember to leave the DWL-G520M Driver CD in the CD-ROM drive.

Installing the DWL-G520M

A. Make sure to turn off the computer and unplug the power cord.

B. Remove the back cover of the computer.

C. Install the DWL-G520M carefully and firmly seat it into an available PCI slot (which is usually white or cream colored).

> 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-G520M Wireless PCI Adapter.

D. Secure the DWL-G520M back panel shield with a screw.

E. Replace the computer's cover.

F. Place the computer back in its normal position.

Restart your Computer

When you restart your computer this Found New Hardware Wizard
screen will appear.

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

Click **Next**

Click **Continue Anyway.**

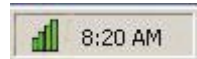Click **Finish** to complete
the installation.

Your Installation is Complete!

After completing the Found New Hardware Wizard, the **Configuration Utility** will automatically start and the utility icon will appear in the bottom right hand corner of the desktop screen (system tray). If this icon appears GREEN, then you have successfully installed the DWL-G520M, are connected to a wireless network, and are ready to communicate!

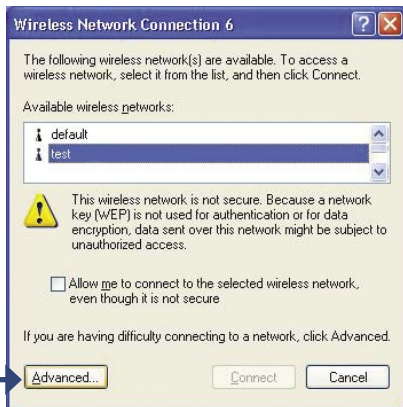If the utility icon does not appear, double-click the **shortcut icon** that has appeared on your desktop.

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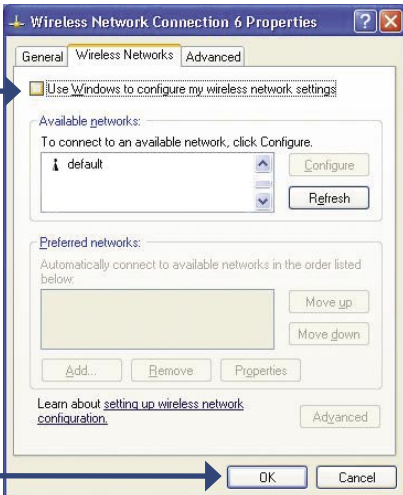
Using the Utility in Windows XP

For Windows XP, if you wish to use the Wireless 108G MIMO utility, please do the following:

Click the **XP networking icon** to use the **Zero Configuration Wireless Settings.**
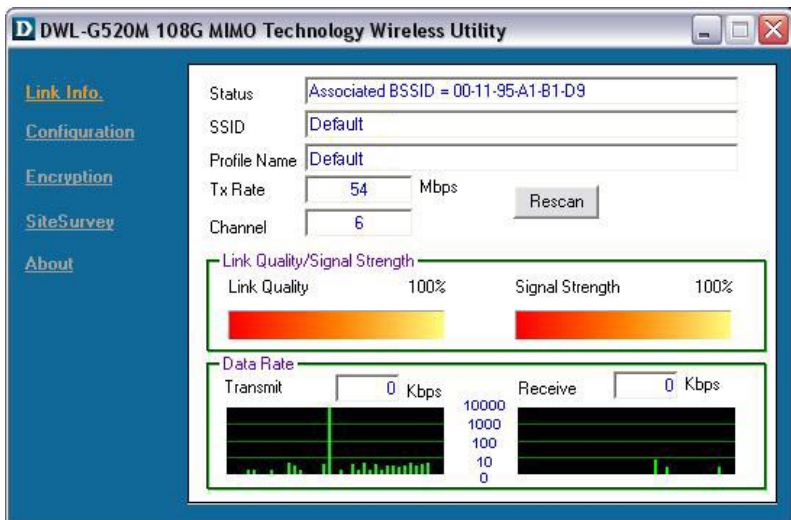
9:15 AM

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.

[Advanced...]   [Connect]   [Cancel]

Click **Advanced.**

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]

Using the Configuration Utility

Status: Displays the MAC Address of the access point or wireless router that is associated with the DWL-G520M.

SSID: Displays the Service Set Indentifier assigned to the wireless network.

Profile Name: Displays the current profile being used.

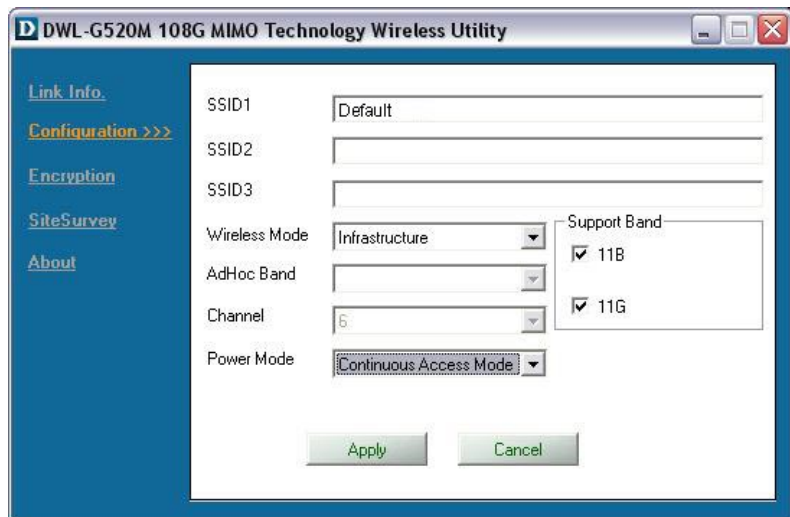**Tx Rate:** Displays the current data transmission rate.

Channel: Displays the channel information.

Signal Quality: Represents the wireless signal quality between the access point and the DWL-G520M. The percentage coincides with the graphical bar.

Signal Strength: Represents the wireless signal strength between the access point and the DWL-G520M. The percentage coincides with the graphical bar.

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

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Using the Configuration Utility (continued)

SSID (1-3): The Service Set Identifier is the name assigned to the wireless network. You may enter up to 3 different wireless networks to connect to.

Wireless Mode: Select Infrastructure if you want to connect to an access point or wireless router. Ad-Hoc mode is used for peer-to-peer networking.

Ad-Hoc Band: Select 11B or 11G (see Support Band below).

Channel: Select the channel (1-11) to use. Available only in Ad-Hoc mode.

Power Mode: Continuous Access Mode is the default setting. For best results leave this setting at the default.

Support Band: Select the wireless mode of your wireless network:
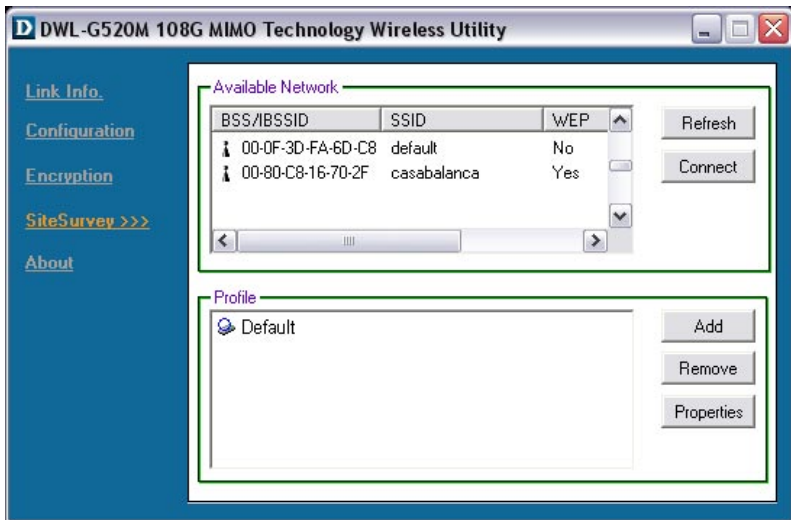
       11B - Connect to an 802.11b-only network.

       11G - Connect to an 802.11g-only network.

       Check both if using in an 802.11b/g mixed network.

Connect to a Wireless Network

To connect to an existing wireless network, click **Site Survey**.

Available Network: Displays all available wireless networks including the MAC address of the device, SSID, channel, and signal strength.

Refresh: Click to rescan for available wireless networks.

Connect: Highlight the network you would like to connect to and click this button.

Profile: Displays created profiles.

Add: Click to add a profile.

Remove: Click to delete an existing profile.

Properties: Click to display the properties for a profile.

Please refer to the manual on your D-Link CD for more information regarding the configuration utility.
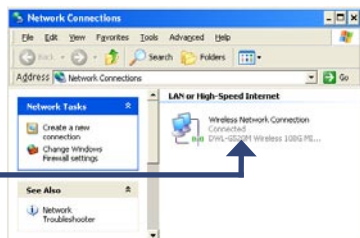
IP Address Configuration

To connect to a network, make sure the proper network settings are configured for the DWL-G520M.
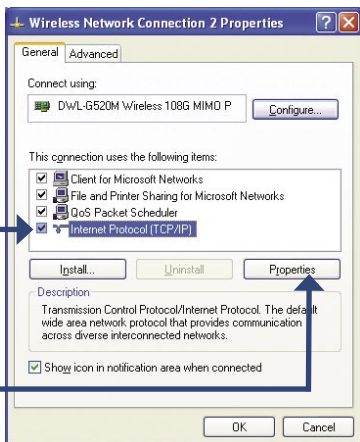
WINDOWS XP:
Go to **Start** > right-click on **My Network Places** > select **Properties.**

Double-click on the network connection associated with the DWL-G520M.

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

Click **Properties**
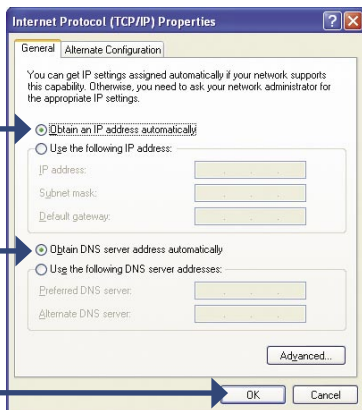
IP Address Configuration (continued)

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

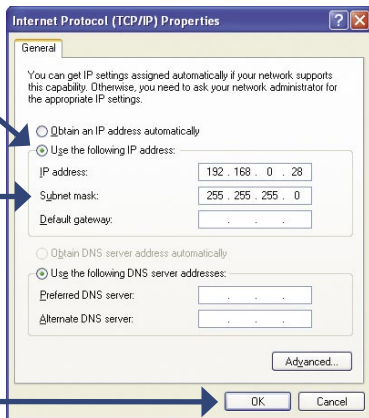Used when a DHCP server is not available on the local network.

Select **Use the following IP address**

IP address: 192.168.0.28
Subnet Mask: 255.255.255.0

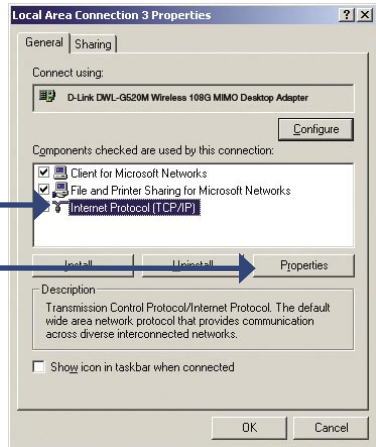Input a static IP address in the same range as the wireless router or access point.

Click **OK**

IP Address Configuration (continued)

For **WINDOWS 2000:**

Go to Start > Settings > Network and Dial-Up connections > double-click on the Local Area Connection associated with the DWL-G520M > select Properties.
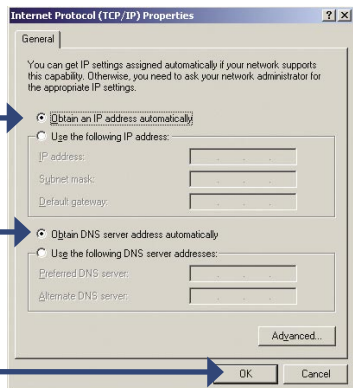
Click **Internet Protocol (TCP/IP).**

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**

Technical Support

You can find software updates and user documentation on the D-Link websites.

D-Link provides free technical support for customers within Canada, the United Kingdom, and Ireland.

Customers can contact D-Link technical support through our websites, or by phone.

For Customers within
The United Kingdom & Ireland

D-Link UK & Ireland Technical Support over the Telephone
(08456 12 0003 (United Kingdom)
+44 8456 12 0003 (Ireland)

Monday to Friday 8:00 am to 10:00 pm GMT
Sat & Sun 10.00 am to 7.00 pm GMT

D-Link UK & Ireland Technical Support over the Internet
http://www.dlink.co.uk
ftp://ftp.dlink.co.uk

For Customers within Canada

D-Link Canada Technical Support over the Telephone
1-800-361-5265 (Canada)
Monday to Friday 7:30 am to 12:00 am EST

D-Link Canada Technical Support over the Internet
http://support.dlink.ca
email: support@dlink.ca

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