Static IP

Depending on your Internet Service Provider, you may need to configure the static IP settings in order to connect to the Internet. You may need to contact your hotspot provider for this information. Click **Save** when you are done.

IP Address: Enter the IP address assigned by your ISP.

Subnet Mask: Enter the Subnet Mask assigned by your ISP.

Default Gateway: Enter the Gateway assigned by your ISP.

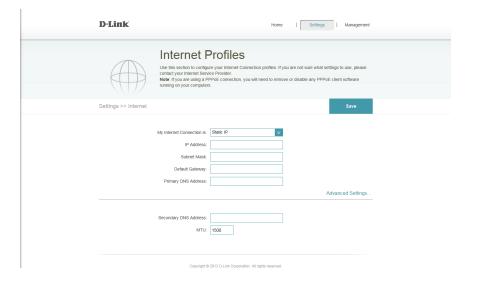
Primary Enter the Primary DNS Address assigned by your ISP.

DNS Address:

Advanced Settings

Secondary Enter the Secondary DNS Address assigned by your ISP. **DNS Address:**

MTU: Maximum transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.



Settings Wi-Fi

To secure your Wi-Fi network manually and/or access advanced settings, you can go to the **Wi-Fi** page under **Settings**. Click **Save** when you are done.

Wi-Fi Network Name Enter a custom name for your network. **(SSID):**

Password: Enter a custom password for your network.

Advanced Settings

Security Mode: Select from None or WPA/WPA2-Personal

802.11 Mode: 802.11b Only - Select only if all of your wireless clients

are 802.11b.

802.11g Only - Select only if all of your wireless clients

are 802.11g.

802.11n Only - Select only if all of your wireless clients

are 802.11n.

Mixed 802.11g and 802.11b - Select if you are using

both 802.11g and 802.11b wireless clients.

Mixed 802.11n and 802.11g - Select if you are using

both 802.11n and 802.11g wireless clients.

Mixed 802.11n, 11g, and 11b - Select if you are using a mix of 802.11n, 802.11q, and 802.11b wireless clients.

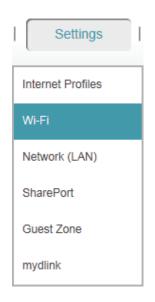
Wi-Fi Channel: Indicates the channel setting for the DIR-508L. By default

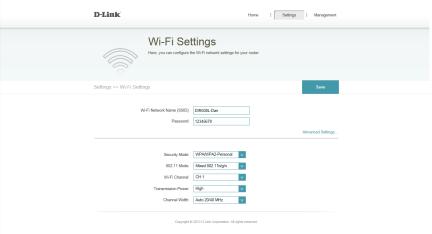
the channel is set to 1. The Channel can be changed to fit the channel setting for an existing wireless network or to

customize the wireless network.

Transmission Power: Select from High, Medium, or Low.

Channel Width: Select between Auto 20/40 MHz or 20 MHz.





Settings Network (LAN)

You can configure the local network settings for your router by going to **Network (LAN)** under **Settings**. Click **Save** when you are done.

Network Settings

Device IP Address: Enter the IP address of the router. The default IP address

is 192.168.0.1.

If you change the IP address, once you click **Save Settings**, you will need to enter the new IP address in your browser

to get back into the configuration utility.

Subnet Mask: Enter the Subnet Mask. The default subnet mask is

255.255.255.0.

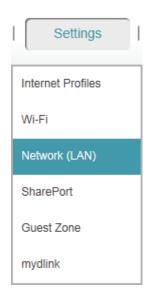
Device Name: Enter a name for the router.

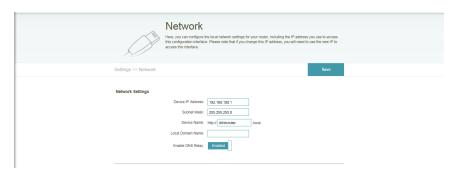
Local Domain Name: Enter the Domain name (Optional).

Enable DNS Relay: Disable DNS Relay to transfer the DNS server information

from your ISP to your computers. If enabled, your

computers will use the router for a DNS server.





Settings Network (LAN)

DHCP Server

Status: Slide to enable or disable the DHCP server function.

DHCP IP Address Enter the starting and ending IP addresses for the DHCP

Range: server's IP assignment.

Note: If you statically (manually) assign IP addresses to your computers or devices, make sure the IP addresses are outside

of this range or you may have an IP conflict.

DHCP Lease Time: The length of time for the IP address lease. Enter the Lease

time in minutes.

Always Broadcast: Enable this feature to broadcast your networks DHCP

server to LAN/WLAN clients.



Settings SharePort

The DLNA server allows you to stream stored pictures, music, and video to another DLNA-compatible device on your network. SharePort Web Access allows you to use a web browser to access stored files from a PC connected to your network. You can configure the various storage sharing features of your router here. Click **Save** when you are done.

DLNA Media Server

Status: Slide to enable or disable the DLNA Media Server function.

DLNA Media Server Enter a name for the DLNA Media Server.

Name:

SharePort Web Access

Status: Slide to enable or disable the SharePort Web Access

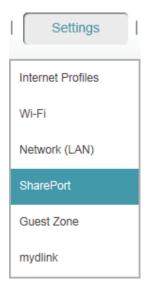
function.

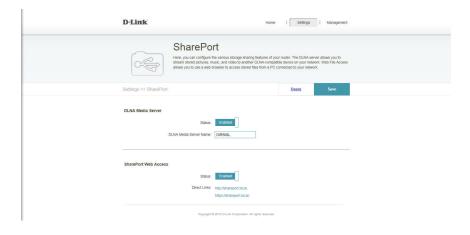
Direct Links: Click on the first link to reach your SharePort page using

HTTP protocol.

Click on the second link to reach your SharePort page

using HTTPS protocol.





Settings SharePort

You can manage your user accounts and their access privileges for SharePort Web Access on the Users tab. The User List displays the Username, Access Path, and Permissions of all saved users.

Users

To Edit a user, click on the pencil icon.

To Delete a user, click on the trash icon.

To Create a user, click on **Create a New User +**.

A window with the following fields will appear:

Username: Enter a username for the new user.

Password: Enter a password for the new user.

Permissions: Select Read Only or Read/Write privileges from the drop-

down.

Folder: Click **Browse** to select a folder that you want this user to

access. You can browse to lower directories by clicking

on the rightward-facing arrow.

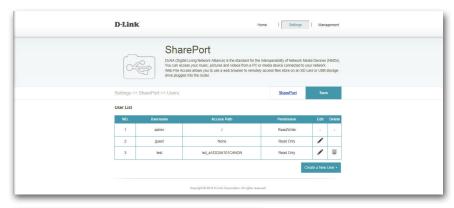
Click on the folder name to add it.

If you wish to add multiple sub-directories, click **Append**.

Click **Save** when you are done.

You can then click on the direct links to stream your media from SharePort.

Afterwards, any user can reach the SharePort log in page by typing **http://shareport.local.**







Settings SharePort Web Access

Typing http://shareport.local. in your browser's URL will take you to the SharePort Web Access log in page. You may log in with your admin account or any of your preset SharePort users. Once you are logged in, you will be taken to the SharePort Web Access home page where you can browse by media type.

Clicking on the icon will take you to shared folders, where you can create a new folder, upload, and delete files.

Click to return to the main menu.





Log in page. CANNOT access router admin page while logged in as same user in shareport???

Settings Guest Zone

You can create a Wi-Fi Guest Zone to share Internet access with guests on a separate Wi-Fi network. This is useful when you wish to block guests from accessing devices on your home network. Click **Save** to store the settings.

Status: Enable or disable the Guest Zone feature.

Guest Zone Wi-Fi Enter a custom Guest Zone name. **Name (SSID):**

Password: Enter a password for your Guest Zone.

Allow Local Access: Enable or disable this feature to to allow or block guests

from accessing devices and files on your network.





Settings mydlink

Setting and registering your router with mydlink will allow you to use its mydlink cloud services features, including online access and management of your router through the mydlink portal website.

If you have an account:

- Select Yes, I have a mydlink account.
- Log in with the E-mail address and password that you signed up with.

If you do not have an account:

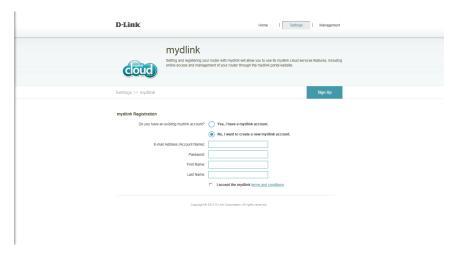
- Select No, I want to create a new mydlink account.
- Fill in the following fields.
- Read and tick the checkbox next to I accept the mydlink terms and conditions.

Click the **Sign Up** button.

You will be automatically taken to the mydlink website where you can log in and manage your mydlink account.

A summary of your mydlink Service status and mydlink Account will display.





Settings mydlink



Management Admin

On this page, you can change the admin security settings for logging in to the router configuration interface. It is highly recommended that you create a password with a minimum of 6 characters to keep your router secure. Click **Save** when you are done.

Admin Password: Enter a custom password for administration of the router.

Enable Graphical If enabled, you will be required to enter a CAPTCHA along **Authentication** with your password at the log in page. **(CAPTCHA):**



Management **System**

Here, you can save or restore your router settings to and from a file. You can also reset your router to the factory default settings and reboot the router.

Save Settings to Use this option to save the current router configuration **Local Hard Drive:** settings to a file on the hard disk of the computer you are using. First, click the Save Settings to File button. A file dialog will appear, allowing you to select a location and file name for the settings.

Load Settings Use this option to load previously saved router configuration from Local Hard settings. First, click the **Select File** button to find a previously **Drive:** saved file of configuration settings. Then, click the **Restore Settings From File** button to transfer those settings to the router.

Reset to Factory This option will restore all configuration settings back to **Default Settings:** the settings that were in effect at the time the router was shipped from the factory. Any settings that have not been saved will be lost, including any rules that you have created. Clicking **OK** in the window will require you to reconnect to this device using the default SSID and password.

Reboot Device: Click to reboot the router.

Note: Resetting your router here or via the RESET button will have the same effect as Reset to Factory Default Settings.



Management Upgrade

This page shows you your current firmware version and language pack, and allows you to check for and download new firmware. After downloading the firmware, you can then upload it from this page. If you are using a language pack for your web UI, we recommend that you also download the latest version when upgrading the firmware to ensure that any changes in the interface are shown correctly.

Firmware Information

Current Firmware Displays the version of the installed firmware. **Version:**

Current Firmware Displays the date of the installed firmware. **Date:**

Click **Check for New Firmware** to retrieve the latest version.

Language Pack Information

Current Language Displays the installed language pack. **Pack:**

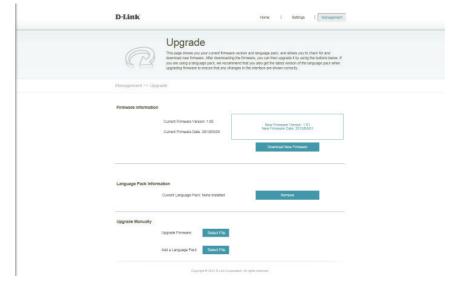
Click **Remove** to uninstall any previously installed language packs.

Upgrade Manually

Upgrade Firmware: Click **Select File** to open a window and select a downloaded firmware file. Click **Upload** to install it.

Add a Language Click Select File to install a downloaded language pack.

Pack: Click Upload to install it.



Management Statistics

This page gives you various statistics about data transmitted and received by your router through the Internet, on your wired network (LAN), and through your wireless networks.

The graph displays the real-time upstream and downstream transfer speeds depending on which tab (**Internet** or **Wi-Fi**) you are currently viewing. The Blue line indicates the upload speeds and the red line indicates the download speeds. You can click **Clear** to reset the statistics.

The table below displays the following in real-time:

- Total Packets:
- Total Byte(s):
- Total Kbit(s):
- Kbits/sec:
- Session: The Session box displays the number of active Internet sessions through your router. An Internet session is a conversation between a program or application on a LANside computer and a program or application on a WAN-side computer.

The **Battery** tab shows the remaining charge in percent.



Connecting a Wireless Client WPS Button

The easiest and most secure way to connect your wireless devices to the router is WPS (Wi-Fi Protected Setup). Most wireless devices such as wireless adapters, media players, Blu-ray DVD players, wireless printers and cameras will have a WPS button (or a software utility with WPS) that you can press to connect to the DIR-508L router. Please refer to your user manual for the wireless device you want to connect to make sure you understand how to enable WPS. Once you know, follow the steps below:

Step 1 - Press the WPS button on the DIR-508L for about 1 second. The WPS button will start to blink.

- **Step 2** Within 2 minutes, press the WPS button on your wireless client (or launch the software utility and start the WPS process).
- **Step 3** Allow up to 1 minute to configure. Once the WPS light stops blinking, you will be connected and your wireless connection will be secure with WPA2.

Windows® 7 WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Click on the wireless icon in your system tray (lower-right corner).



2. The utility will display any available wireless networks in your area.

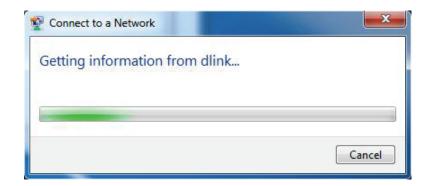


3. Highlight the wireless network (SSID) you would like to connect to and click the **Connect** button.

If you get a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to the Networking Basics section in this manual for more information.



4. The following window appears while your computer tries to connect to the router.



5. Enter the same security key or passphrase that is on your router and click **Connect**. You can also connect by pushing the WPS button on the router.

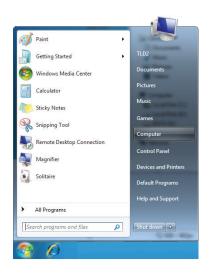
It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



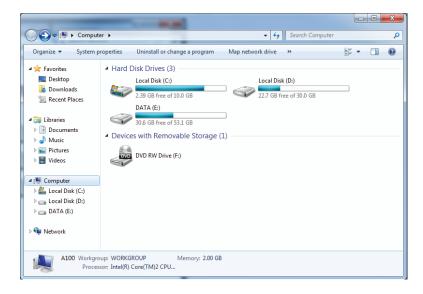
WPS

The WPS feature of the DIR-508L can be configured using Windows® 7. Carry out the following steps to use Windows® 7 to configure the WPS feature:

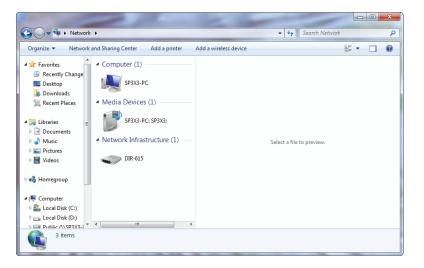
1. Click the **Start** button and select **Computer** from the Start menu.



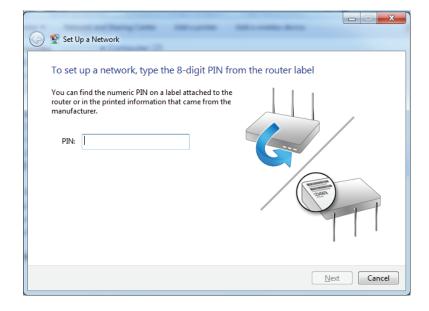
2. Click **Network** on the left side.



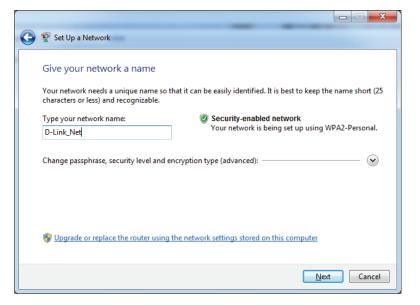
3. Double-click the DIR-508L.



4. Input the WPS PIN number (displayed in the WPS window on the Router's LCD screen or in the **Setup** > **Wireless Setup** menu in the Router's Web UI) and click **Next**.

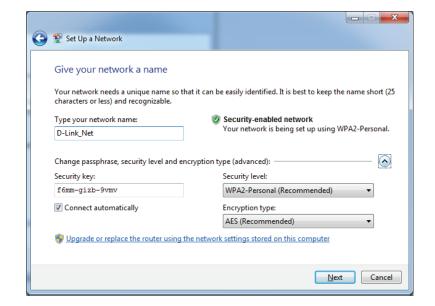


5. Type a name to identify the network.



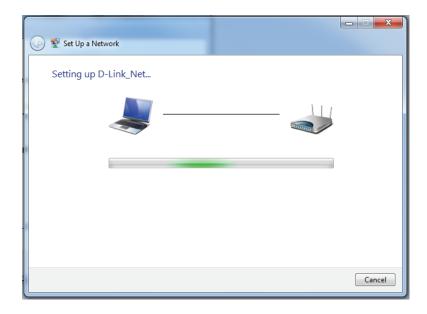
6. To configure advanced settings, click the vicon.

Click **Next** to continue.



7. The following window appears while the Router is being configured.

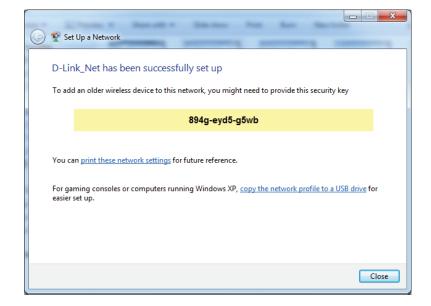
Wait for the configuration to complete.



8. The following window informs you that WPS on the router has been setup successfully.

Make a note of the security key as you may need to provide this security key if adding an older wireless device to the network in the future.

9. Click **Close** to complete WPS setup.



Windows Vista®

Windows Vista® users may use the built-in wireless utility. If you are using another company's utility or Windows® 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows Vista® utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **Connect to a network**.



The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click the **Connect** button.

If you get a good signal but cannot access the Internet, check you TCP/ IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.



WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Open the Windows Vista® Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower right corner of screen). Select **Connect to a network**.

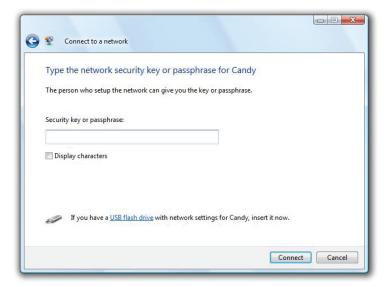


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



WPS/WCN 2.0

The router supports Wi-Fi protection, referred to as WCN 2.0 in Windows Vista®. The following instructions for setting this up depends on whether you are using Windows Vista® to configure the router or third party software.

When you first set up the router, Wi-Fi protection is disabled and unconfigured. To enjoy the benefits of Wi-Fi protection, the router must be both enabled and configured. There are three basic methods to accomplish this: use Windows Vista's built-in support for WCN 2.0, use software provided by a third party, or manually configure.

If you are running Windows Vista®, log into the router and click the **Enable** checkbox in the **Basic** > **Wireless** section. Use the Current PIN that is displayed on the **Advanced** > **Wi-Fi Protected Setup** section or choose to click the **Generate New PIN** button or **Reset PIN to Default** button.



If you are using third party software to set up Wi-Fi Protection, carefully follow the directions. When you are finished, proceed to the next section to set up the newly-configured router.

Windows® XP

Windows® XP users may use the built-in wireless utility (Zero Configuration Utility). The following instructions are for Service Pack 2 users. If you are using another company's utility, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows® XP utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

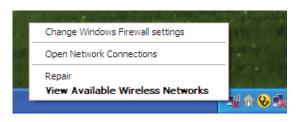
or

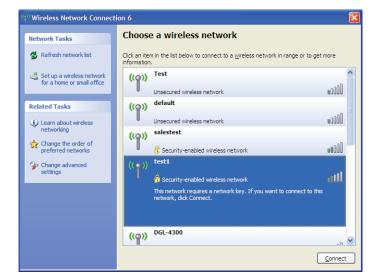
Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **View Available Wireless Networks**.

The utility will display any available wireless networks in your area. Click on a network (displayed using the SSID) and click the **Connect** button.

If you get a good signal but cannot access the Internet, check you TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.







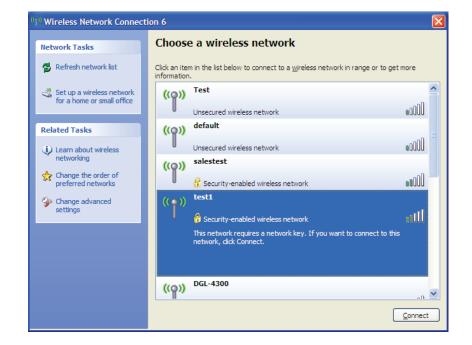
WPA/WPA2

It is recommended to enable WPA on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the WPA key being used.

1. Open the Windows® XP Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower-right corner of screen). Select **View Available Wireless Networks**.



2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. The **Wireless Network Connection** box will appear. Enter the WPA-PSK passphrase and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the WPA-PSK settings are correct. The WPA-PSK passphrase must be exactly the same as on the wireless router.



Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the . Read the following descriptions if you are having problems. The examples below are illustrated in Windows® XP. If you have a different operating system, the screenshots on your computer will look similar to the following examples.

1. Why can't I access the web-based configuration utility?

When entering the IP address of the D-Link router (http://192.168.0.1 or http://dlinkrouter.local. for example), you are not connecting to a website nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

- Make sure you have an updated Java-enabled web browser. We recommend the following:
 - Microsoft Internet Explorer® 6.0 and higher
 - - Mozilla Firefox 3.0 and higher
 - - Google™ Chrome 2.0 and higher
 - - Apple Safari 3.0 and higher
- Verify physical connectivity by checking for solid link lights on the device. If you do not get a solid link light, try using a different cable or connect to a different port on the device if possible. If the computer is turned off, the link light may not be on.
- Disable any Internet security software running on the computer. Software firewalls such as Zone Alarm, Black Ice, Sygate, Norton Personal Firewall, and Windows® XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

- Configure your Internet settings:
 - • Go to **Start** > **Settings** > **Control Panel**. Double-click the **Internet Options** Icon. From the **Security** tab, click the button to restore the settings to their defaults.
 - Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
 - • Go to the **Advanced** tab and click the button to restore these settings to their defaults. Click **OK** three times.
 - • Close your web browser (if open) and open it.
- Access the web management. Open your web browser and enter the IP address of your D-Link router in the address bar. This should open the login page for your web management.
- If you still cannot access the configuration, unplug the power to the router for 10 seconds and plug back in. Wait about 30 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your router. Unfortunately this process will change all your settings back to the factory defaults.

To reset the router, locate the reset button (hole) on the rear panel of the unit. With the router powered on, use a paperclip to hold the button down for 10 seconds. Release the button and the router will go through its reboot process. Wait about 30 seconds to access the router. The default IP address is 192.168.0.1or http://dlinkrouter.local. When logging in, the username is **admin** and leave the password box empty.

3. Why can't I connect to certain sites or send and receive emails when connecting through my router?

If you are having a problem sending or receiving email, or connecting to secure sites such as eBay, banking sites, and Hotmail, we suggest lowering the MTU in increments of ten (Ex. 1492, 1482, 1472, etc).

To find the proper MTU Size, you'll have to do a special ping of the destination you're trying to go to. A destination could be another computer, or a URL.

Click on **Start** and then click **Run**.

•

- • Windows® 95, 98, and Me users type in **command** (Windows® NT, 2000, XP, Vista®, and 7 users type in **cmd**) and press **Enter** (or click **OK**).
- Once the window opens, you'll need to do a special ping. Use the following syntax:

ping [url] [-f] [-l] [MTU value]

Example: ping yahoo.com -f -l 1472

```
C:\>ping yahoo.com -f -l 1482

Pinging yahoo.com [66.94.234.13] with 1482 bytes of data:

Packet needs to be fragmented but DF set.

Packets: Sent = 4. Received = 0. Lost = 4 (100% loss).

Approximate round trip times in milli-seconds:

Minimum = Oms. Maximum = Oms. Average = Oms

C:\>ping yahoo.com -f -l 1472

Pinging yahoo.com [66.94.234.13] with 1472 bytes of data:

Reply from 66.94.234.13: bytes=1472 time=93ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=109ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=125ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=203ms TTL=52

Ping statistics for 66.94.234.13:

Packets: Sent = 4. Received = 4. Lost = 0 (0% loss).

Approximate round trip times in milli-seconds:

Minimum = 93ms. Maximum = 203ms. Average = 132ms

C:\>
```

You should start at 1472 and work your way down by 10 each time. Once you get a reply, go up by 2 until you get a fragmented packet. Take that value and add 28 to the value to account for the various TCP/IP headers. For example, lets say that 1452 was the proper value, the actual MTU size would be 1480, which is the optimum for the network we're working with (1452+28=1480).

Once you find your MTU, you can now configure your router with the proper MTU size.

To change the MTU rate on your router follow the steps below:

- • Open your browser, enter the IP address of your router (192.168.0.1or http://dlinkrouter.local.) and click **OK**.
- • Enter your username (admin) and password (blank by default). Click **OK** to enter the web configuration page for the device.
- • Click on **Setup** and then click **Manual Configure**.
- • To change the MTU enter the number in the MTU field and click **Save Settings** to save your settings.
- Test your email. If changing the MTU does not resolve the problem, continue changing the MTU in increments of ten.

Wireless Basics

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business or public access wireless networks. Strictly adhering to the IEEE standard, the D-Link wireless family of products will allow you to securely access the data you want, when and where you want it. You will be able to enjoy the freedom that wireless networking delivers.

A wireless local area network (WLAN) is a cellular computer network that transmits and receives data with radio signals instead of wires. Wireless LANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people to work and communicate more efficiently. Increased mobility and the absence of cabling and other fixed infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

Under many circumstances, it may be desirable for mobile network devices to link to a conventional Ethernet LAN in order to use servers, printers or an Internet connection supplied through the wired LAN. A Wireless Router is a device used to provide this link.

What is Wireless?

Wireless or Wi-Fi technology is another way of connecting your computer to the network without using wires. Wi-Fi uses radio frequency to connect wirelessly, so you have the freedom to connect computers anywhere in your home or office network.

Why D-Link Wireless?

D-Link is the worldwide leader and award winning designer, developer, and manufacturer of networking products. D-Link delivers the performance you need at a price you can afford. D-Link has all the products you need to build your network.

How does wireless work?

Wireless works similar to how cordless phone work, through radio signals to transmit data from one point A to point B. But wireless technology has restrictions as to how you can access the network. You must be within the wireless network range area to be able to connect your computer. There are two different types of wireless networks Wireless Local Area Network (WLAN), and Wireless Personal Area Network (WPAN).

Wireless Local Area Network (WLAN)

In a wireless local area network, a device called an Access Point (AP) connects computers to the network. The access point has a small antenna attached to it, which allows it to transmit data back and forth over radio signals. With an indoor access point as seen in the picture, the signal can travel up to 300 feet. With an outdoor access point the signal can reach out up to 30 miles to serve places like manufacturing plants, industrial locations, college and high school campuses, airports, golf courses, and many other outdoor venues.

Wireless Personal Area Network (WPAN)

Bluetooth is the industry standard wireless technology used for WPAN. Bluetooth devices in WPAN operate in a range up to 30 feet away.

Compared to WLAN the speed and wireless operation range are both less than WLAN, but in return it doesn't use nearly as much power which makes it ideal for personal devices, such as mobile phones, PDAs, headphones, laptops, speakers, and other devices that operate on batteries.

Who uses wireless?

Wireless technology as become so popular in recent years that almost everyone is using it, whether it's for home, office, business, D-Link has a wireless solution for it.

Home

- Gives everyone at home broadband access
- Surf the web, check email, instant message, etc.
- Gets rid of the cables around the house
- Simple and easy to use

Small Office and Home Office

- Stay on top of everything at home as you would at office
- Remotely access your office network from home
- Share Internet connection and printer with multiple computers
- No need to dedicate office space

Where is wireless used?

Wireless technology is expanding everywhere not just at home or office. People like the freedom of mobility and it's becoming so popular that more and more public facilities now provide wireless access to attract people. The wireless connection in public places is usually called "hotspots".

Using a D-Link Cardbus Adapter with your laptop, you can access the hotspot to connect to Internet from remote locations like: Airports, Hotels, Coffee Shops, Libraries, Restaurants, and Convention Centers.

Wireless network is easy to setup, but if you're installing it for the first time it could be quite a task not knowing where to start. That's why we've put together a few setup steps and tips to help you through the process of setting up a wireless network.

Tips

Here are a few things to keep in mind, when you install a wireless network.

Centralize your router or Access Point

Make sure you place the router/access point in a centralized location within your network for the best performance. Try to place the router/access point as high as possible in the room, so the signal gets dispersed throughout your home. If you have a two-story home, you may need a repeater to boost the signal to extend the range.

Eliminate Interference

Place home appliances such as cordless telephones, microwaves, and televisions as far away as possible from the router/access point. This would significantly reduce any interference that the appliances might cause since they operate on same frequency.

Security

Don't let you next-door neighbors or intruders connect to your wireless network. Secure your wireless network by turning on the WPA or WEP security feature on the router. Refer to product manual for detail information on how to set it up.

Networking Basics

Check your IP address

After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

Click on **Start** > **Run**. In the run box type **cmd** and click **OK**. (Windows® 7/Vista® users type **cmd** in the **Start Search** box.)

At the prompt, type *ipconfig* and press **Enter**.

This will display the IP address, subnet mask, and the default gateway of your adapter.

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.

Assign a Static IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

Step 1

Windows® 7 - Click on Start > Control Panel > Network and Internet > Network and Sharing Center.

Windows Vista® - Click on Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections.

Windows® XP - Click on **Start** > **Control Panel** > **Network Connections**.

Windows® 2000 - From the desktop, right-click **My Network Places** > **Properties**.

Step 2

Right-click on the Local Area Connection which represents your network adapter and select Properties.

Step 3

Highlight Internet Protocol (TCP/IP) and click Properties.

Step 4

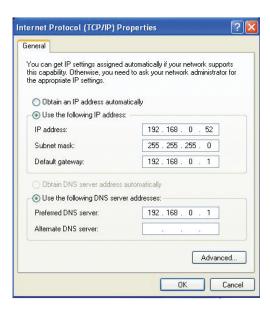
Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.

Example: If the router's LAN IP address is 192.168.0.1 or http://dlinkrouter.local., make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set the Default Gateway the same as the LAN IP address of your router (I.E. 192.168.0.1 or http://dlinkrouter.local.).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1 or http://dlinkrouter.local.). The Secondary DNS is not needed or you may enter a DNS server from your ISP.

Step 5

Click **OK** twice to save your settings.



Technical Specifications

Standards

- IEEE 802.11g, compatible with 802.11n devices
- IEEE 802.3
- IEEE 802.3u

Wireless Modes

- Router/AP Mode
- Repeater Mode
- Wi-Fi Hot Spot Mode

Wireless Frequency Range ¹

• 2.4 GHz to 2.4835 GHz

Antennas

Internal Antenna

Security

- Wi-Fi Protected Access (WPA/WPA2)
- WPS™ (PBC)

Advanced Features

- mydlink SharePort[™] Mobile App for iOS²
- VPN pass-through
- Guest Zone Support
- UPnP™ Support
- Web File Access Support
- Wi-Fi WMM Quality of Service

Advanced Firewall Features

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- MAC Address Filtering

Device Management

• Web UI

Diagnostic LEDs

Power/Status

Operating Temperature

• 0 to 40 °C (32 to 104 °F)

Operating Humidity

• 0% to 90% non-condensing

Certifications

- CF
- Wi-Fi Certified
- FCC
- IC

Dimensions

• 102.9 x 79.8 x 22.3 mm

Weight

• 0.125 kg

¹ Frequency Range varies depending on local regulations

 $^{^{2}}$ mydlink SharePort Mobile app functionality only available when in Router or Wi-Fi Hotspot mode.

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Please direct all inquiries to: Email: GPLCODE@DLink.com

Snail Mail:

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Safety Statements

CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the Instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- -Reorient or relocate the receiving antenna.
- -Increase the separation between the equipment and receiver.
- -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- -Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

- 1. This device complies with Part 15 of the FCC rules/Industry Canada RSS 210 standard. Operation is subject to the following two conditions:
- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.
- 2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
- 3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

IMPORTANT NOTE: (For Mobile Device Configuration)

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IMPORTANT NOTE: (For Portable Device Configuration)
Federal Communication Commission (FCC) Radiation Exposure Statement
This EUT is compliance with SAR for general population/uncontrolled exposure limits in
ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods
and procedures specified in OET Bulletin 65 Supplement C.

This Class [*] digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [*] est conforme à la norme NMB-003 du Canada.

Industry Canada Caution:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fomctionnement du dispositif.

IC IMPORTANT NOTE: (For Mobile Device Configuration)

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC IMPORTANT NOTE: (For Portable Device Configuration)

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in

IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 1cm between the radiator & your body.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

En vertu de la réglementation de l'industrie du Canada, cet émetteur de radio ne peuvent fonctionner en utilisant une antenne d'un type et maximum (ou moins) Gain approuvé pour l'émetteur par Industrie Canada. Pour réduire risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de sorte que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour la réussite de communication.

附錄(7) 低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應改善至無干擾時方得繼續使用。前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。