

Routing

The routing page allows you to specify custom routes that determine how data is moved around your network. After modifying any settings, click **Save Settings** to save your changes.

RIP SETTING

- RIP:** Check the box to enable routing, then select which routing protocol to use:
- **RIPv1:** Protocol in which the IP address is routed through the internet.
 - **RIPv2:** Enhanced version of RIPv1 with added features such as authentication, routing domain, next hop forwarding, and subnet-mask exchange.

ROUTING RULES

- ID:** This identifies the rule.
- Destination:** Enter in the IP of the specified network that you want to access using the static route.
- Subnet Mask:** Enter in the subnet mask to be used for the specified network.
- Gateway:** Enter in the gateway IP address for the specified network.
- Hop:** Enter in the amount of hops it will take to reach the specified network.
- Note:** In a transmission path, each link is terminated at a network device such as a router or gateway. The number of hops equals the number of routers or gateways that data must pass through before reaching the destination.
- Enable:** Select this box to enable the rule.

| ID | Destination | Subnet Mask | Gateway | Hop | Enable |
|----|-------------|-------------|---------|-----|--------------------------|
| 1 | | | | | <input type="checkbox"/> |
| 2 | | | | | <input type="checkbox"/> |
| 3 | | | | | <input type="checkbox"/> |
| 4 | | | | | <input type="checkbox"/> |
| 5 | | | | | <input type="checkbox"/> |
| 6 | | | | | <input type="checkbox"/> |
| 7 | | | | | <input type="checkbox"/> |
| 8 | | | | | <input type="checkbox"/> |

Advanced Wireless

Advanced wireless contains settings which can negatively affect the performance of your router if configured improperly. Do not change these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel. After modifying any settings, click **Save Settings** to save your changes.

Beacon Interval: Specify a value for the beacon interval. Beacons are packets sent by an access point to synchronize a wireless network. 100 is the default setting and is recommended.

Transmit Power: Set the transmit power of the antennas.

RTS Threshold: This value should remain at its default setting of 2347. If inconsistent data flow is a problem, only a minor modification should be made.

Fragmentation: The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting.

DTIM Interval: Set the interval for DTIM. A Delivery Traffic Indication Message (DTIM) is a countdown informing clients of the next window for listening to broadcast and multicast messages. The default interval is 3.

WMM Capable: WMM (Wi-Fi Multimedia) is a QoS (Quality of Service) system for your wireless network. Enable this option to improve the quality of video and voice applications for your wireless clients.

TX Rates: Select the basic transfer rates based on the speed of wireless adapters on your wireless network. It is strongly recommended to keep this setting to **Auto**.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|---|---|--------|
| ADVANCED WIRELESS | | | |
| If you are not familiar with these Advanced Wireless settings, please read the help section before attempting to modify these settings. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| ADVANCED WIRELESS SETTINGS | | | |
| Beacon Interval : | <input type="text" value="100"/> | (msec, range:1~1000, default: 100) | |
| Transmit Power : | <input type="text" value="100%"/> | | |
| RTS Threshold : | <input type="text" value="2347"/> | (1~2347, default: 2347) | |
| Fragmentation : | <input type="text" value="2346"/> | (256~2346, default: 2346, even number only) | |
| DTIM Interval : | <input type="text" value="1"/> | (range: 1~255) | |
| WMM Capable | <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | |
| TX Rates : | <input type="text" value="Best"/> | | |
| Short GI : | <input checked="" type="checkbox"/> | | |
| HT 20/40 Coexistence : | <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | |

Short GI: Check this box to reduce the guard interval to 400 ns. This can increase the throughput rate provided that the delay spread of the connection is also low. However, it can also increase error rate in some installations, due to increased sensitivity to radio-frequency reflections. Select the option that works best for your installation.

HT 20/40 Coexistence: Enable this option to reduce interference from other wireless networks in your area. If the channel width is operating at 40 MHz and there is another wireless network's channel over-lapping and causing interference, the router will automatically change to 20 MHz.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|---|---|--------|
| ADVANCED WIRELESS | | | |
| If you are not familiar with these Advanced Wireless settings, please read the help section before attempting to modify these settings. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| ADVANCED WIRELESS SETTINGS | | | |
| Beacon Interval : | 100 | (msec, range:1~1000, default: 100) | |
| Transmit Power : | 100% | | |
| RIS Threshold : | 2347 | (1~2347, default: 2347) | |
| Fragmentation : | 2346 | (256~2346, default: 2346, even number only) | |
| DTIM Interval : | 1 | (range: 1~255) | |
| WMM Capable | <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | |
| TX Rates : | Best | | |
| Short GI : | <input checked="" type="checkbox"/> | | |
| HT 20/40 Coexistence : | <input checked="" type="radio"/> Enable <input type="radio"/> Disable | | |

Advanced Network

Advanced network contains settings which can change the way the router handles certain types of traffic. We recommend that you do not change any of these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel. After modifying any settings, click **Save Settings** to save your changes.

Enable UPnP: Check the box to enable the Universal Plug and Play (UPnP™) feature. UPnP provides compatibility with various networking equipment, software, and peripherals.

Enable WAN Ping Respond: Select the box to allow the WAN port to be “pinged.” Blocking WAN pings may provide some extra security from hackers.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|-------|--------|
| ADVANCED NETWORK | | | |
| If you are not familiar with these Advanced Network settings, please read the help section before attempting to modify these settings. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| UPNP | | | |
| Universal Plug and Play (UPnP) supports peer-to-peer Plug and Play functionality for network devices. | | | |
| Enable UPnP : <input checked="" type="checkbox"/> | | | |
| WAN PING | | | |
| If you enable this feature, the WAN port of your router will respond to ping requests from the Internet that are sent to the WAN IP Address. | | | |
| Enable WAN Ping Respond : <input type="checkbox"/> | | | |

Network Scan

This page lets you set whether to allow the DWR-755 to automatically select a 3G network based on the inserted SIM card, and allows you to manually scan for networks and select one to connect to. After modifying any settings, click **Save Settings** to save your changes.

3G Network Selection Method:

Leave this setting on **Auto** to allow the DWR-755 to automatically select a cellular network to connect to. If you need to select a network manually, select **Manual**, click the **Scan** button, then select an available network to connect to.

Note: You will only be able to scan for networks if the DWR-755 is not currently connected to a 3G network.

The screenshot shows the 'ADVANCED' tab of the configuration page. It features two main sections: 'NETWORK SCAN' and 'NETWORK PROVIDER SELECTION'. The 'NETWORK SCAN' section has a description and two buttons: 'Save Settings' and 'Don't Save Settings'. The 'NETWORK PROVIDER SELECTION' section includes instructions, radio buttons for 'Auto-Detection' (selected) and 'Manual', a 'List of Network Providers' button, and a 'Scan' button.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|-------|--------|
| NETWORK SCAN | | | |
| Scan available service and let user be able to choose the specified service. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| NETWORK PROVIDER SELECTION | | | |
| This page will scan near network providers. Please wait for a while for each scan. | | | |
| 3G Network Selection Method : <input checked="" type="radio"/> Auto-Detection <input type="radio"/> Manual | | | |
| <input type="button" value="List of Network Providers"/> | | | |
| <input type="button" value="Scan"/> | | | |

DMZ

The DMZ (Demilitarized Zone) option lets you set a single computer on your network outside of the router. If you have a computer that cannot run Internet applications successfully from behind the router, then you can place the computer into the DMZ for unrestricted Internet access.

Enable SPI: Check this box to enable SPI.

Enable DMZ: Check this box to enable a DMZ area that allows a specific computer unrestricted access. This option is not recommended and should be used with caution.

DMZ IP Address: Specify an IP address for the DMZ zone and select the computer to associate it with.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|----------|-------|--------|
| DMZ | | | |
| DMZ setting | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| FIREWALL SETTINGS | | | |
| Enable SPI : <input type="checkbox"/> | | | |
| DMZ HOST | | | |
| <p>The DMZ (Demilitarized Zone) option lets you set a single computer on your network outside of the router. If you have a computer that cannot run Internet applications successfully from behind the router, then you can place the computer into the DMZ for unrestricted Internet access.</p> <p>Note: Putting a computer in the DMZ may expose that computer to a variety of security risks. Use of this option is only recommended as a last resort.</p> | | | |
| Enable DMZ : <input checked="" type="checkbox"/> | | | |
| DMZ IP Address : <input type="text"/> << Computer Name ▾ | | | |

Tools

Admin

The Admin page allows you to change the Administrator password and enable Remote Management. The admin has read/write access while users only have read-only access. Only the admin has the ability to change both admin and user account passwords. After modifying any settings, click **Save Settings** to save your changes.

ADMINISTRATOR

New/Confirm Password: Enter and confirm the password that the admin account will use to access the router's management interface.

REMOTE MANAGEMENT

Enable Remote Management: Tick this check box to enable remote management. Remote management allows the DWR-755 to be configured over the Internet through a web browser. A username and password will still be required to access the web-management interface.

IP Allowed to Access: Enter the Internet IP address of the PC that has access to the broadband router. If you enter an asterisk (*) in this field, then anyone will be able to access the router. Adding an asterisk (*) into this field could present a security risk and is not recommended.

Port: This is the port number used to access the router. 8080 is the port usually used for the web-management interface.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|----------|-------|--------|
| ADMINISTRATOR SETTINGS | | | |
| To help secure your network, we recommend that you should choose a new password. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| ADMINISTRATOR (THE DEFAULT LOGIN NAME IS "admin") | | | |
| New Password : <input type="password" value="....."/> | | | |
| Confirm Password : <input type="password" value="....."/> | | | |
| REMOTE MANAGEMENT | | | |
| Enable Remote Management : <input checked="" type="checkbox"/> Enabled | | | |
| IP Allowed to Access : <input type="text" value="0.0.0.0"/> | | | |
| Port : <input type="text" value="1000"/> <input type="text" value="1000"/> | | | |

Time

This section will help you set the time zone that you are in and an NTP (Network Time Protocol) server to use. Daylight Saving can also be configured to adjust the time when needed. After modifying any settings, click **Save Settings** to save your changes.

TIME AND DATE CONFIGURATION

Time Zone: Select the appropriate **Time Zone** from the drop-down box.

Click **Sync your computer's time settings** to sync the router to your computer's clock.

AUTOMATIC TIME AND DATE CONFIGURATION

Check the **Automatically synchronize with Internet time server** box to allow the router to use an NTP server to update the router's internal clock.

NTP Server Used: Enter an NTP server to use for time synchronization, or use the drop-down box to select one. Click the **Update Now** button to synchronize the time with the NTP server.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|----------|---|--------|
| TIME AND DATE | | | |
| The Time and Date Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in and set the NTP (Network Time Protocol) Server. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| TIME AND DATE CONFIGURATION | | | |
| Time : | | Tue Feb 11, 2014 16:22:44 | |
| Time Zone : | | (GMT +08:00) Beijing, Hong Kong, Taipei | |
| <input type="button" value="Sync your computer's time settings"/> | | | |
| AUTOMATIC TIME AND DATE CONFIGURATION | | | |
| <input type="checkbox"/> Automatically synchronize with Internet time server | | | |
| NTP Server Used : | | time.nist.gov | |
| | | time.nist.gov <input type="button" value="Update Now"/> | |

Syslog

The DWR-755 keeps a running log of events and activities occurring on the router. You may send these logs to a Syslog server on your network. After modifying any settings, click **Save Settings** to save your changes.

Enable Logging to Syslog Server: Check the box to send the router logs to a Syslog server.

Syslog Server IP Address: Enter the IP address of the Syslog server that the router will send the logs to.

The screenshot shows the configuration page for Syslog. At the top, there are four tabs: SETUP, ADVANCED, TOOLS, and STATUS. The TOOLS tab is selected and highlighted in orange. Below the tabs, the page title is "SYSLOG". A message states: "The SysLog options allow you to send log information to a SysLog Server." Below this message are two buttons: "Save Settings" and "Don't Save Settings". Underneath is a section titled "SYSLOG SETTINGS" with a dark header. It contains two settings: "Enable Logging To Syslog Server" with a checkbox, and "Syslog Server IP Address" with a text input field.

Email Settings

Email settings allow you to send the system log files, router alert messages, and firmware update notifications to an email address. After modifying any settings, click **Save Settings** to save your changes.

Enable Email Notification: When this option is enabled, router activity logs will be emailed to the specified email address.

SMTP Sever IP and Port: Enter the SMTP server IP address the router will use to send emails. Enter the complete IP address followed by a colon(:) and the port number. (e.g. 123.123.123.1:25).

SMTP Username: Enter the username for the SMTP account.

SMTP Password: Enter the password for the SMTP account.

Send Email Alert to: Enter the email address where you would like the router to send emails to.

Email Subject: Enter a subject for the email.

Email Log Now: Click this button to send the current logs to the specified email address.

The screenshot shows a web interface with a navigation bar at the top containing 'SETUP', 'ADVANCED', 'TOOLS', and 'STATUS'. The 'EMAIL SETTINGS' page is active, indicated by an orange header. Below the header, there is a sub-header 'EMAIL SETTINGS' and a description: 'Send system log to a dedicated host or email to specific receipts'. Two buttons, 'Save Settings' and 'Don't Save Settings', are visible. The main configuration area includes:

- 'Enable Email Notification': A checkbox that is currently unchecked.
- 'SMTP Server IP and Port': A text input field followed by a colon and a smaller text input field for the port.
- 'SMTP Username': A text input field.
- 'SMTP Password': A text input field.
- 'Send E-mail alert to': A text input field with a dropdown arrow on the right.
- 'E-mail Subject': A text input field.

 At the bottom of the configuration area is an 'Email Log Now' button.

System

Here, you can save the current system settings to a local hard drive. After modifying any settings, click **Save Settings** to save your changes.

Save Settings To Local Hard Drive

Use this option to save your current router configuration settings to a file. Click **Save** to open a file dialog, and then select a location and file name for the settings.

Load Settings From Local Hard Drive:

Use this option to load previously saved router configuration settings. Click **Browse...** and select the saved file and then click the **Upload Settings** button to upload the settings to the router.

Restore To Factory Default Settings:

This option will restore all settings back to their defaults. Any settings that have not been backed up will be lost, including any rules that you have created.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|-------|--------|
| SYSTEM SETTINGS | | | |
| <p>The System Settings section allows you to restore the router to the factory default settings. Restoring the unit to the factory default settings will erase all settings, including any rules that you have created.</p> <p>The current system settings can be saved as a file onto the local hard drive. The saved file or any other saved setting file created by device can be uploaded into the unit.</p> | | | |
| SAVE AND RESTORE SETTINGS | | | |
| Save Settings To Local Hard Drive : <input type="button" value="Save"/> | | | |
| Load Settings From Local Hard Drive : <input type="text"/> <input type="button" value="Browse..."/> | | | |
| <input type="button" value="Upload Settings"/> | | | |
| Restore To Factory Default Settings : <input type="button" value="Reset to Default"/> | | | |

Firmware

Here, you can upgrade the firmware of your router. Make sure the firmware you want to use is on the local hard drive of the computer and then click **Browse** to upload the file. You can check for and download firmware updates at the D-Link support site at <http://support.dlink.com>. After modifying any settings, click **Save Settings** to save your changes.

Current Firmware Version: Displays your current firmware's version.

Current Firmware Date: Displays your current firmware's release date.

Upload: After you have downloaded a new firmware, click **Browse** to locate the firmware on your computer, then click **Upload** to start the firmware upgrade.

Warning: You must use a wired connection to upload the firmware file; do not use a wireless connection. During the upgrade process, do not power off your computer or router, and do not refresh the browser window until the upgrade is complete.

Accept Unofficial Firmware: If the firmware you want to install is not an official D-Link release, you will need to check this box.

Warning: Unofficial firmware is not supported, and may cause damage to your device. Use of unofficial firmware is at your own risk.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|--|--------|
| FIRMWARE UPGRADE | | | |
| There may be new firmware for your Router to improve functionality and performance. | | | |
| To upgrade the firmware, locate the upgrade file on the local hard drive with the Browse button. Once you have found the file to be used, click the Save Settings below to start the firmware upgrade. | | | |
| FIRMWARE INFORMATION | | | |
| Current Firmware Version : | | V1.00 | |
| Current Firmware Date : | | 2014/01/03 | |
| FIRMWARE UPGRADE | | | |
| Notel Do not power off the unit when it is being upgraded. The upgrade procedure takes about 180 seconds. When the upgrade is done successfully, the unit will be restarted automatically. | | | |
| To upgrade the firmware, your PC must have a wired connection to the router. Enter the name of the firmware upgrade file, and click on the Upload button. | | | |
| Upload : | | <input type="text"/> <input type="button" value="Browse...."/> | |
| | | <input type="button" value="Upgrade"/> <input type="button" value="Cancel"/> | |
| Accept unofficial firmware. | | <input type="checkbox"/> | |

Dynamic DNS

The DDNS feature allows you to host a server (Web, FTP, or Game Server) using a domain name that you have purchased (such as www.exampledomain.com) with your dynamically assigned IP address. You can use one of the listed DDNS service, or you can sign up for D-Link's free DDNS service at www.dlinkddns.com. After modifying any settings, click **Save Settings** to save your changes.

Enable DDNS: Tick this checkbox to enable the DDNS feature.

Provider: Select a DDNS service provider to use.

Host Name: Enter the host name that you registered with your DDNS service provider.

Username / E-mail: Enter the username for your DDNS account.

Password / Key: Enter the password for your DDNS account.

The screenshot shows the 'DYNAMIC DNS' configuration page. At the top, there are four tabs: 'SETUP', 'ADVANCED', 'TOOLS', and 'STATUS'. The 'DYNAMIC DNS' section is highlighted in orange. Below the title, there is a descriptive paragraph: 'The Dynamic DNS feature allows you to host a server (Web, FTP, Game Server, etc...) using a domain name that you have purchased (www.whateveryounameis.com) with your dynamically assigned IP address. Most broadband Internet Service Providers assign dynamic (changing) IP addresses. Using a DDNS service provider, your friends can enter your host name to connect to your game server no matter what your IP address is.' Below this text are two buttons: 'Save Settings' and 'Don't Save Settings'. The bottom section, titled 'DYNAMIC DNS' in a dark header, contains the following fields: 'Enable DDNS' with a checked checkbox, 'Provider' with a dropdown menu showing 'DynDNS.org(Dynamic)', 'Host Name' with an empty text input field, 'Username / E-mail' with an empty text input field, and 'Password / Key' with an empty text input field.

System Check

This useful diagnostic utility can be used to check if a computer is connected to the network. It sends ping packets and listens for responses from the specific host. After modifying any settings, click **Save Settings** to save your changes.

Host Name or IP Address: Enter a host name or the IP address that you want to ping and click the **Ping** button. The results of the ping attempt will be displayed in the **PING RESULT** section below.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|----------|-------|--------|
| PING TEST | | | |
| Ping Test sends "ping" packets to test a computer on the Internet. | | | |
| <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> | | | |
| PING TEST | | | |
| Ping Test is used to send "Ping" packets to test if a computer is on the Internet. | | | |
| Host Name or IP address : <input type="text"/> <input type="button" value="Ping"/> | | | |
| PING RESULT | | | |
| | | | |

Schedules

This section allows you to manage schedule rules for various firewall and parental control features. After modifying any settings, click **Save Settings** to save your changes.

- Enable Schedule:** Check this box to enable schedules.
- Edit:** Click this icon to edit the selected rule. (see below)
- Delete:** Click this icon to delete the selected rule.
- Previous Page:** Click this button to go to the previous page of rules.
- Next Page:** Click this button to go to the next page of rules.
Click this button to specify the start time, end time, and name of the rule.
- Add New Rule..:** Click this button to create a new rule. (see below)
- Name of Rule #:** Enter a name for your new schedule.
- Policy:** Select **Activate** or **Inactivate** to decide whether features that use the schedule should be active or inactive except during the times specified.
- Week Day:** Select a day of the week for the start time and end time.
- Start Time (hh:mm):** Enter the time at which you would like the schedule to become active.
- End Time (hh:mm):** Select the time at which you would like the schedule to become inactive.

The screenshot shows the 'SCHEDULES' configuration page. At the top, there are tabs for 'SETUP', 'ADVANCED', 'TOOLS', and 'STATUS'. Below the tabs, there is a section titled 'SCHEDULES' with a description: 'The Schedule configuration option is used to manage schedule rules for "Virtual Server", "Outbound Filter" and "Inbound Filter".' Below this description are two buttons: 'Save Settings' and 'Don't Save Settings'. Below that is a section titled 'SCHEDULE RULE' with an 'Enable Schedule' checkbox. Below the checkbox is a table with columns 'Rule#', 'Rule Name', and 'Action'. Below the table are three buttons: 'Previous page', 'Next page', and 'Add New Rule...'.

The screenshot shows the 'SCHEDULES' configuration page, specifically the 'SCHEDULE RULE SETTING' section. At the top, there are tabs for 'SETUP', 'ADVANCED', 'TOOLS', and 'STATUS'. Below the tabs, there is a section titled 'SCHEDULES' with a description: 'The Schedule configuration option is used to manage schedule rules for "Virtual Server", "Outbound Filter" and "Inbound Filter".' Below this description are two buttons: 'Save Settings' and 'Don't Save Settings'. Below that is a section titled 'SCHEDULE RULE SETTING' with a 'Name of Rule 2' field containing 'Office Hours' and a 'Policy' dropdown menu set to 'Inactivate'. Below this is a table with columns 'ID', 'Week Day', 'Start Time (hh:mm)', and 'End Time (hh:mm)'. The table has 8 rows. The first five rows are for Monday through Friday, each with a start time of 08:00 and an end time of 19:00. The last three rows are for 'choose one', '-- choose one --', and '-- choose one --', each with empty start and end time fields. Below the table is a 'Back' button.

| ID | Week Day | Start Time (hh:mm) | End Time (hh:mm) |
|----|------------------|--------------------|------------------|
| 1 | Monday | 08:00 | 19:00 |
| 2 | Tuesday | 08:00 | 19:00 |
| 3 | Wednesday | 08:00 | 19:00 |
| 4 | Thursday | 08:00 | 19:00 |
| 5 | Friday | 08:00 | 19:00 |
| 6 | choose one | | |
| 7 | -- choose one -- | | |
| 8 | -- choose one -- | | |

PIN Control

This feature allows you to set up a pin code in order to activate/deactivate or modify an existing pin code. After querying your SIM card for an existing PIN, you can **Enable**, **Disable**, or **Modify** the pin code. Click **Save Settings** to save any changes made.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|---|--------|
| PIN CONTROL | | | |
| Enable / Disable / Modify PIN code of the SIM. | | | |
| PIN CODE REQUEST FUNCTION | | | |
| PIN CODE Request function | | <input checked="" type="radio"/> Disable <input type="radio"/> Enable | |
| Input SIM PIN code | | <input type="text"/> | |
| | | <input type="button" value="Save"/> <input type="button" value="Undo"/> <input type="button" value="Change PIN Code..."/> | |
| Warning : 0 more tries allowed. | | | |

Status

Device Info

All of your Internet and network connection details are displayed on this page. The firmware version is also displayed here. If your Internet connection is set up for a Dynamic IP address then a Release button and a Renew button will be displayed. Use Release to disconnect from your ISP and use Renew to connect to your ISP.

General: Displays the current time and firmware version.

WAN: Displays the WAN connection details of the router.

3G Card: Displays the 3G connection details of the router.

LAN: Displays the LAN connection details of the router.

Wireless LAN: Displays the wireless LAN connection details of the router

LAN Computers: Displays the list of clients connected to the router.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|-------------------|--------|
| DEVICE INFORMATION | | | |
| All of your Internet and network connection details are displayed on this page. The firmware version is also displayed here. | | | |
| <input type="button" value="Refresh"/> | | | |
| GENERAL | | | |
| Time : Mon Dec 31, 2012 23:17:18 -0800 | | | |
| Firmware Version : V1.00 , 2014/01/03 | | | |
| WAN | | | |
| Connection Type : DHCP Client | | | |
| Network Status : Client Disconnected | | | |
| Remaining Lease Time : N/A | | | |
| <input type="button" value="Renew"/> <input type="button" value="Release"/> | | | |
| MAC Address : 78:54:2E:94:08:0D | | | |
| IP Address : 0.0.0.0 | | | |
| Subnet Mask : 0.0.0.0 | | | |
| Default Gateway : 0.0.0.0 | | | |
| DNS Server : 0.0.0.0 , 0.0.0.0 | | | |
| LAN | | | |
| MAC Address : 78:54:2E:94:08:0E | | | |
| IP Address : 192.168.0.1 | | | |
| Subnet Mask : 255.255.255.0 | | | |
| DHCP Server : Enabled | | | |
| WIRELESS LAN | | | |
| MAC Address : 78:54:2E:94:08:0E | | | |
| Wireless : Enabled | | | |
| SSID : dlink_DWR-755 | | | |
| Security : Auto(None) | | | |
| Channel : 11 | | | |
| 802.11 Mode : B/G/N Mixed | | | |
| Wi-Fi Protected Setup : Enabled | | | |
| LAN COMPUTERS | | | |
| IP Address | Name | MAC | |
| 192.168.0.100 | | 48-60-BC-15-F6-82 | |

Log

Here, you can view and download the system log.

Previous: Click this button to go to the previous page of the log.

Next: Click this button to go to the next page of the log.

First Page: Click this button to skip to the first page of the log.

Last Page: Click this button to skip to the last page of the log.

Refresh: Click this button to refresh the system log.

Download: Click this button to download the current system log to your computer.

Clear Logs: Click this button to clear the system log.

Link To Log Settings: Click this button for a link that goes to the Log Settings page.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|---|-------|--------|
| VIEW LOG | | | |
| View Log displays the activities occurring on the device. | | | |
| Page: 1/7 (Log Number : 102) | | | |
| <input type="button" value="Previous"/> <input type="button" value="Next"/> <input type="button" value="First Page"/> <input type="button" value="Last Page"/> | | | |
| <input type="button" value="Refresh"/> <input type="button" value="Download"/> <input type="button" value="Clear logs"/> <input type="button" value="Link To Log Settings"/> | | | |
| SYSTEM LOG | | | |
| Time | Message | | |
| Feb 11 16:09:31 | kernel: klogd started: BusyBox v1.3.2 (2014-01-02 19:42:35 CST) | | |
| Feb 11 16:09:35 | BEID: BEID STATUS : 0 , STATUS OK! | | |
| Feb 11 16:09:37 | commander: NETWORK Initialization finished. Result: 0 | | |
| Feb 11 16:09:37 | commander: Initialize MultiWAN | | |
| Feb 11 16:09:41 | syslog: Failure parsing line 12 of /etc/udhcpd.conf | | |
| Feb 11 16:09:41 | syslog: server_config.pool_check = 1 | | |
| Feb 11 16:09:41 | syslog: start = 192.168.0.50, end = 192.168.0.199, lan_ip = 192.168.0.1, interface=br0, ifindex=0 | | |
| Feb 11 16:09:41 | udhcpd[620]: udhcpd (v0.9.9-pre) started | | |
| Feb 11 16:09:41 | commander: SPAP! | | |
| Feb 11 16:09:41 | commander: DDNS! | | |
| Feb 11 16:09:41 | commander: SNMP_Customer_id=0 | | |
| Feb 11 16:09:41 | commander: SNMP! | | |
| Feb 11 16:09:41 | commander: ROUTING! | | |
| Feb 11 16:09:42 | commander: disable Daylight saving... | | |
| Feb 11 16:09:42 | commander: TIME! | | |

Statistics

Here you can view the packets transmitted and received by your router for both the WAN and LAN ports. The traffic counter will reset if the device is rebooted. Click the **Refresh** button to refresh the WAN statistics.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|----------------|-----------------|--------|
| TRAFFIC STATISTICS | | | |
| Traffic Statistics display Receive and Transmit packets passing through the device. | | | |
| <input type="button" value="Refresh"/> | | | |
| WAN STATISTICS INFORMATION | | | |
| Statistics | Inbound | Outbound | |
| Octets | 0 | 0 | |
| Unicast Packets | 0 | 0 | |
| Multicast Packets | 0 | 0 | |

Wireless

This table displays a list of wireless clients that are connected to your wireless router. Click **Refresh** to refresh the list.

| SETUP | ADVANCED | TOOLS | STATUS |
|---|--------------------|-------|--------|
| WIRELESS CLIENT LIST | | | |
| View the wireless clients that are connected to the router. (A client might linger in the list for a few minutes after an unexpected disconnect.) | | | |
| <input type="button" value="Refresh"/> | | | |
| WIRELESS CLIENT TABLE | | | |
| ID | MAC Address | | |
| 1 | 28-E0-2C-DC-0A-BE | | |

IPv6 Status

This page displays the IPv6 network connection details.

| SETUP | ADVANCED | TOOLS | STATUS |
|--|----------|-------|--------|
| IPv6 NETWORK INFORMATION | | | |
| All of your IPv6 Internet and network connection details are displayed on this page. | | | |
| <input type="button" value="Refresh"/> | | | |
| IPv6 CONNECTION INFORMATION | | | |
| IPv6 Connection Type : | | | |
| Global IPv6 Address : | | | |
| LAN IPv6 Link-Local Address : | | | |
| Link Status : | | | |
| DHCP-PD : Enabled | | | |

Support

This screen gives you more information about the various parts of the configuration interface. Click on a link to learn more about that topic.

| SETUP | ADVANCED | TOOLS | STATUS | SUPPORT |
|---|----------|-------|--------|---------|
| SUPPORT MENU | | | | |
| <ul style="list-style-type: none">• Setup• Advanced• Tools• Status | | | | |
| SETUP HELP | | | | |
| <ul style="list-style-type: none">• Internet• Wireless Settings• Network Settings• IPv6 Setup• Message Service | | | | |
| ADVANCED HELP | | | | |
| <ul style="list-style-type: none">• VIRTUAL SERVER• Application Rules• QoS Engine• MAC Address Filter• URL Filter• Outbound Filter• Inbound Filter• SNMP• Routing• Advanced Wireless• Advanced Network• Network Scan• DMZ | | | | |
| TOOLS HELP | | | | |
| <ul style="list-style-type: none">• Admin• Time• SysLog• Email settings• System• Firmware• Dynamic DNS• System Check• Schedules | | | | |
| STATUS HELP | | | | |
| <ul style="list-style-type: none">• Device Info• Log• Statistics• Wireless• IPv6 Status | | | | |

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 router. Please refer to your user manual for the wireless device you want to connect to make sure you understand how to enable WPS. To connect a client, follow the steps below:

To connect your wireless devices to the router using WPS:

- Step 1** - Press the WPS button on the router for about 1 second. The Power/Status LED 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 2 minutes to configure. Once the Power/Status LED stops blinking, you will be connected and your wireless connection will be secure with WPA2.



Windows® 8

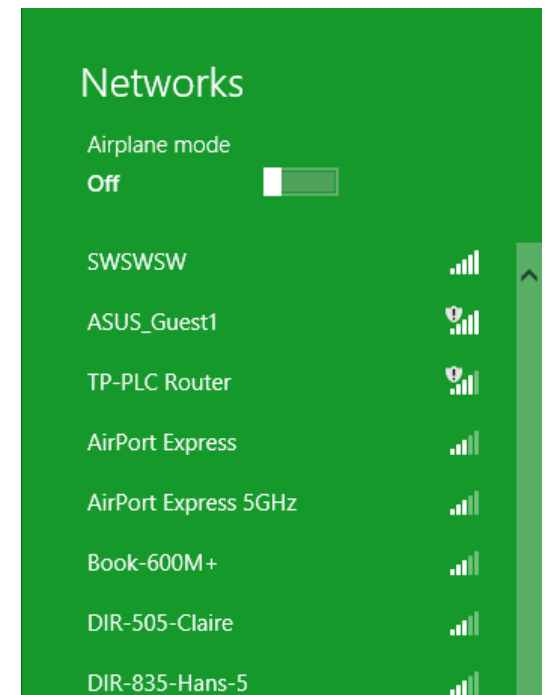
WPA/WPA2

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 (Wi-Fi password) being used.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display.

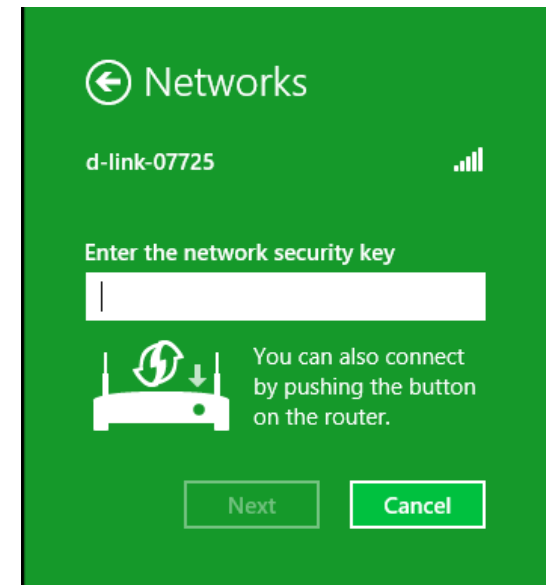


Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.

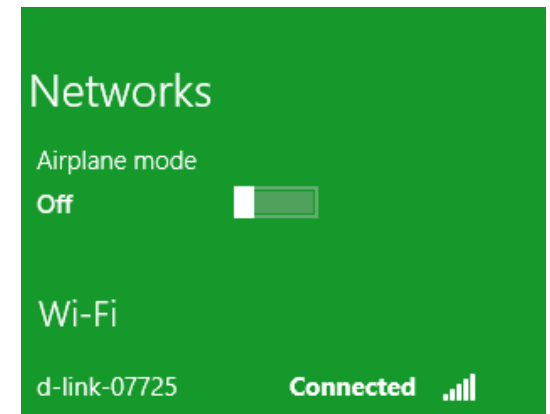


You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click **Next**.

If you wish to use Wi-Fi Protected Setup (WPS) to connect to the router, you can also press the WPS button on your router at this point to enable the WPS function.



When you have established a successful connection to a wireless network, the word **Connected** will appear next to the name of the network to which you are connected.



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).



Wireless Icon

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

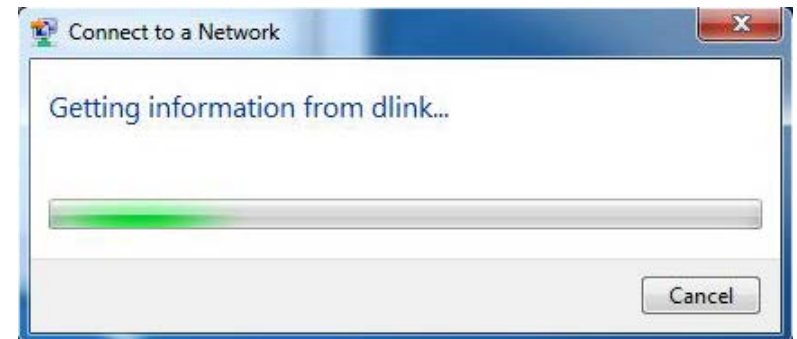


3. Highlight the wireless network (SSID) you would like to connect to and click the **Connect** button.

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.

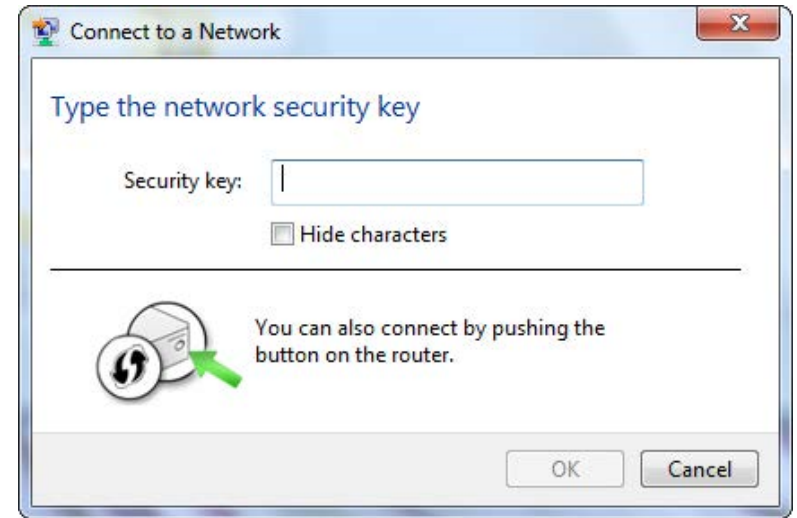


4. The following window appears while your computer tries to connect to the router.



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.

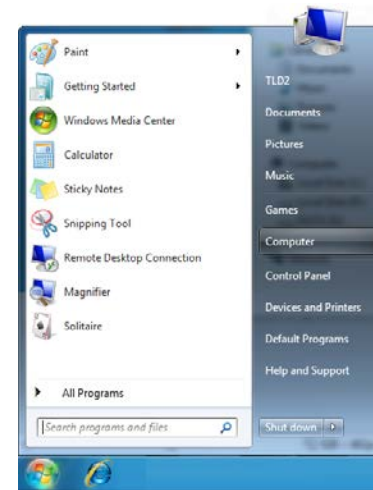
It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



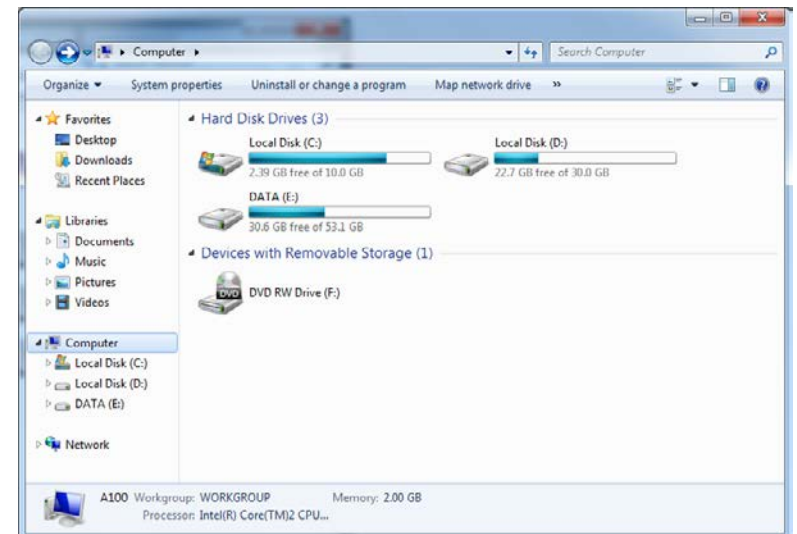
WPS

The WPS feature of the DWR-755 can be configured using Windows® 7. Carry out the following steps to use Windows® 7 to configure the WPS feature:

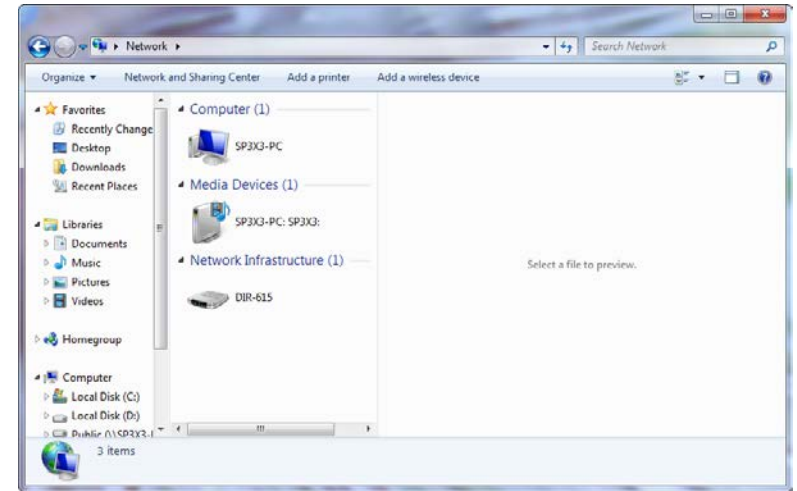
1. Click the **Start** button and select **Computer** from the Start menu.



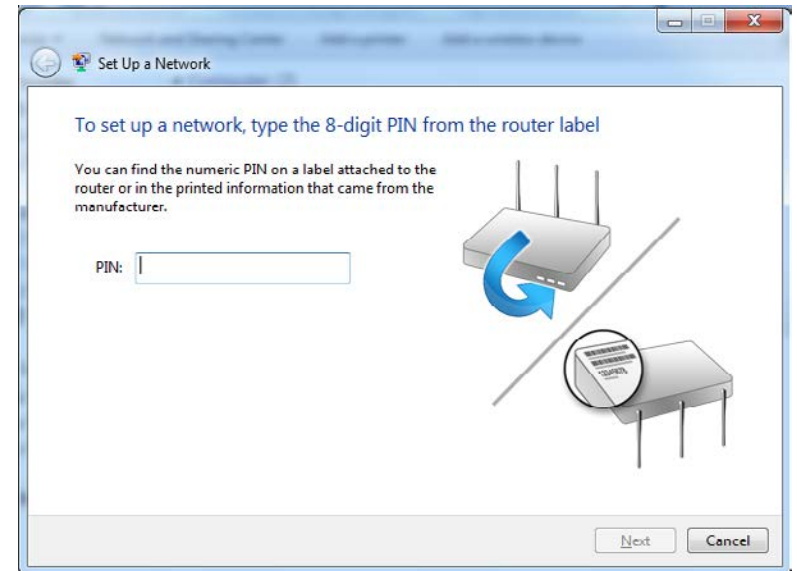
2. Click **Network** on the left side.



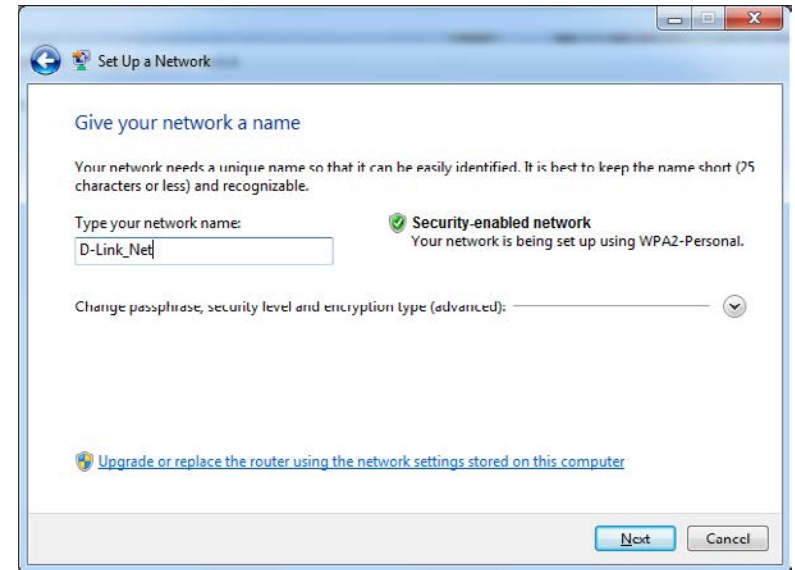
3. Double-click your D-Link router.



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**.

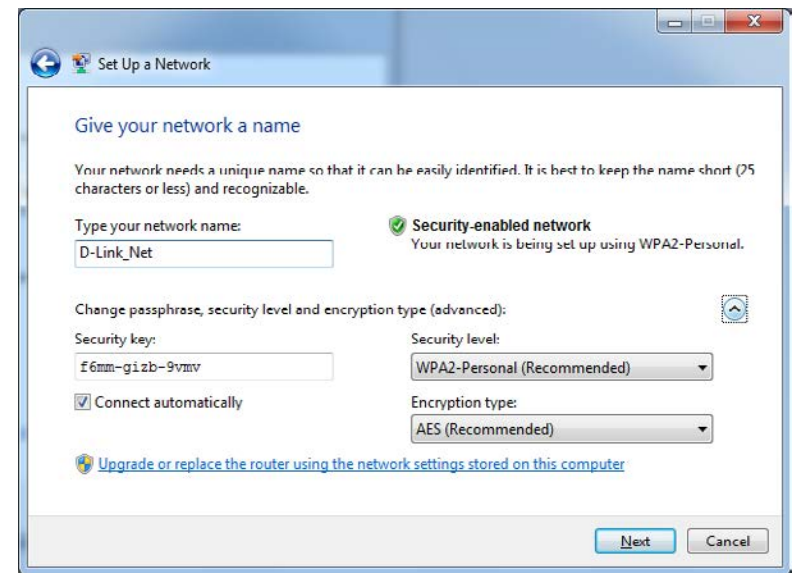


5. Type a name to identify the network.

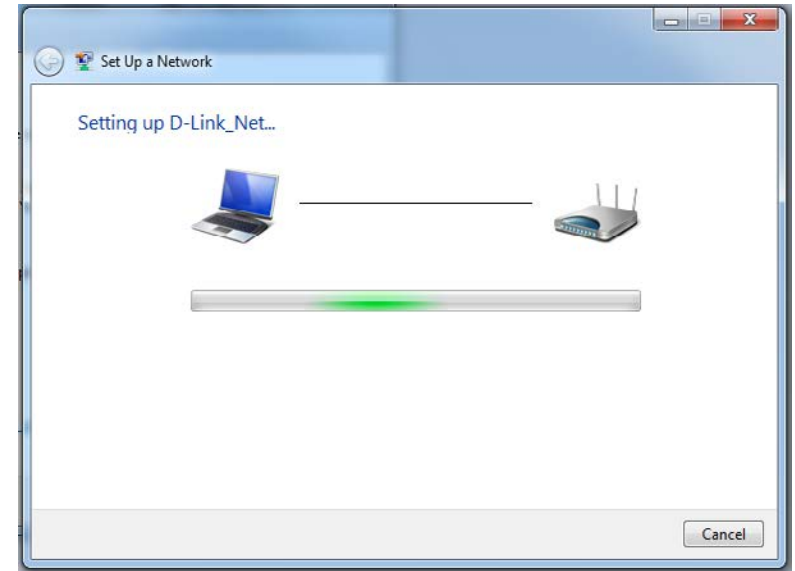


6. To configure advanced settings, click the  icon.

Click **Next** to continue.



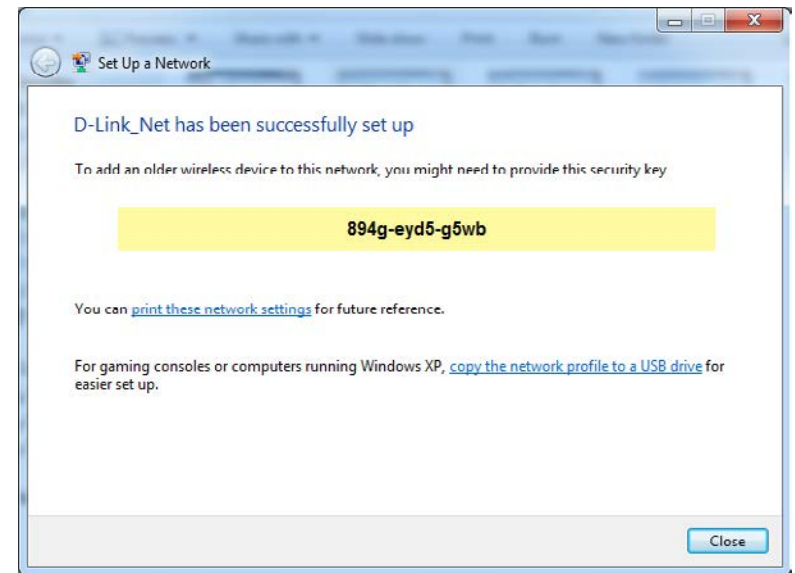
7. The following window appears while the router is being configured. Wait for the configuration to complete.



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.

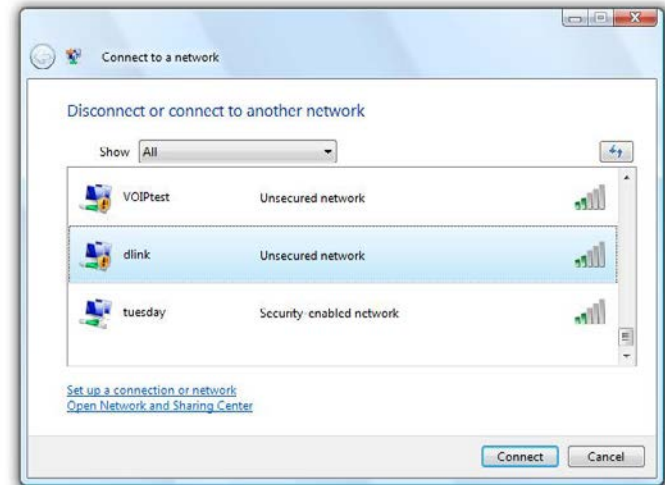
If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

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.



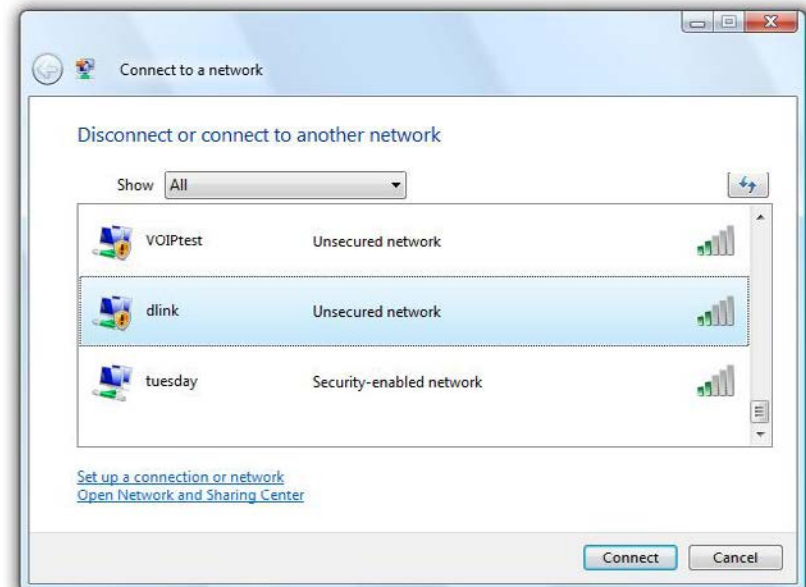
WPA/WPA2

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.



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.

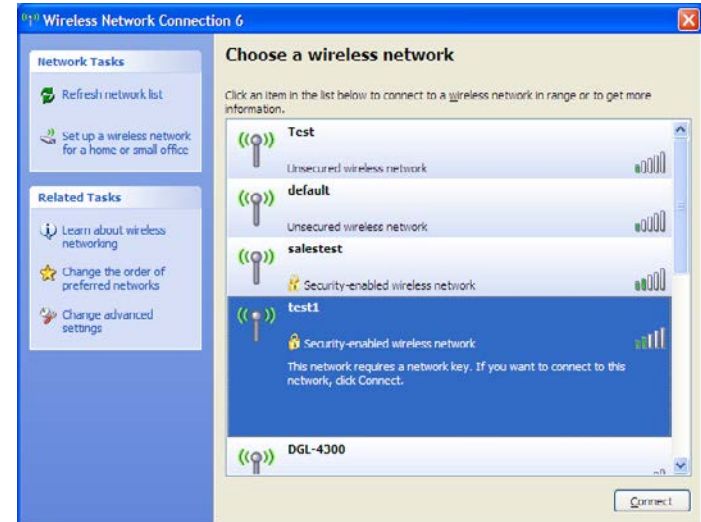
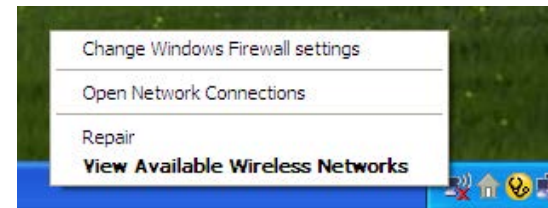
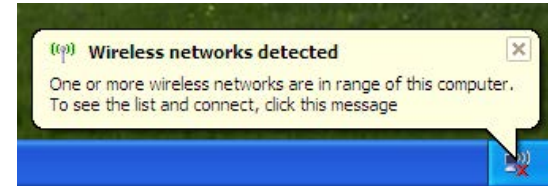
If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

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.

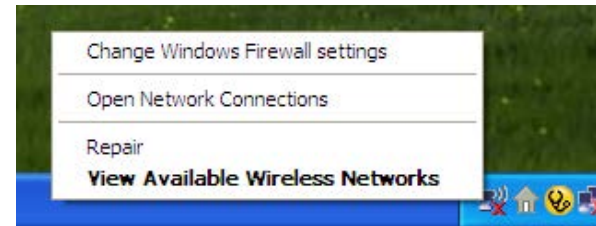
If you get a good signal but cannot access the Internet, check you TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.



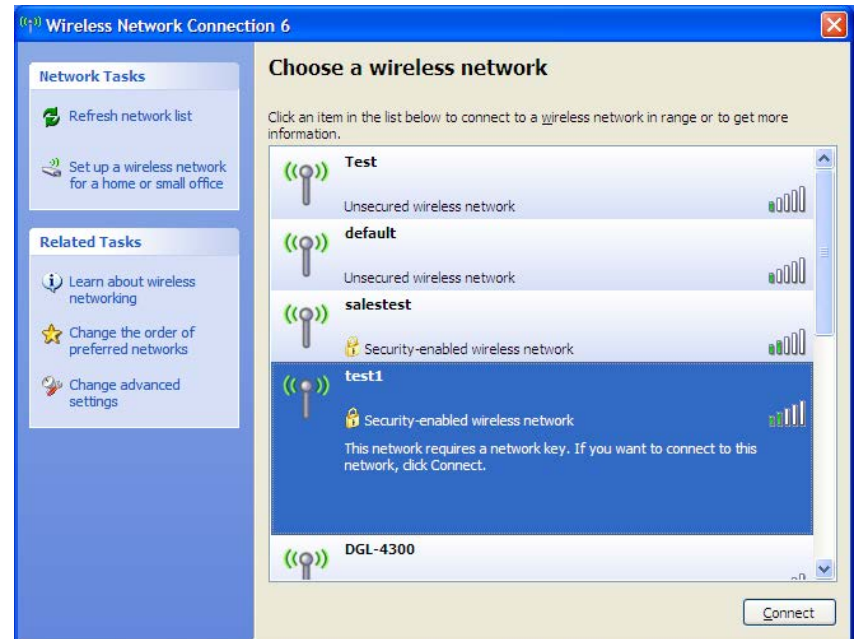
WPA/WPA2

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**.

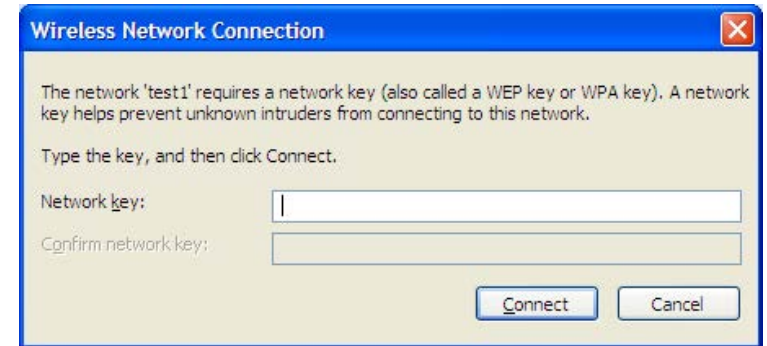


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



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 DWR-755. 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 (192.168.0.1 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 192.168.0.1. 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.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Ping statistics for 66.94.234.13:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
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 (**192.168.0.1**) 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**.

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 has 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.

Wireless Modes

There are basically two modes of networking:

- **Infrastructure** – All wireless clients will connect to an access point or wireless router.
- **Ad-Hoc** – Directly connecting to another computer, for peer-to-peer communication, using wireless network adapters on each computer, such as two or more DWR-755 wireless network Cardbus adapters.

An Infrastructure network contains an Access Point or wireless router. All the wireless devices, or clients, will connect to the wireless router or access point.

An Ad-Hoc network contains only clients, such as laptops with wireless cardbus adapters. All the adapters must be in Ad-Hoc mode to communicate.

Networking Basics

Check your IP address

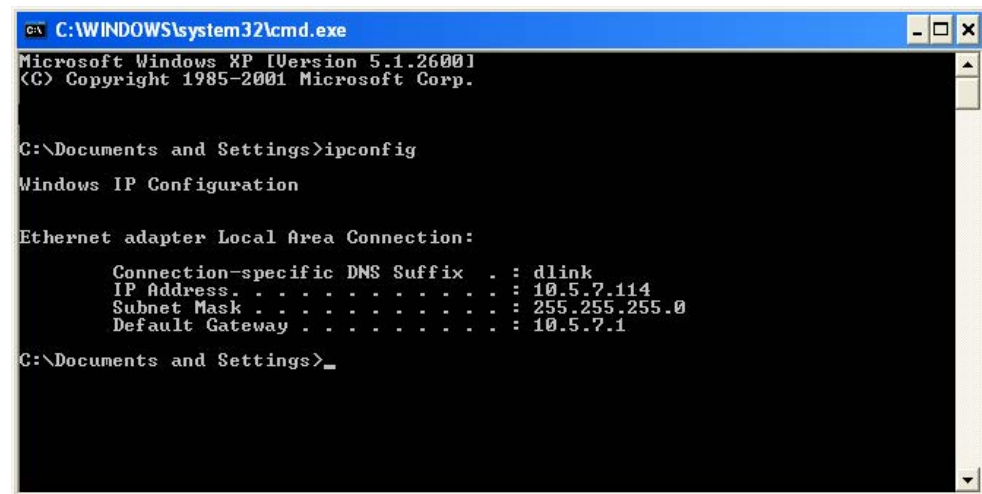
After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

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.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : dlink
    IP Address . . . . . : 10.5.7.114
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.5.7.1

C:\Documents and Settings>_
```


Statically Assign an 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**.

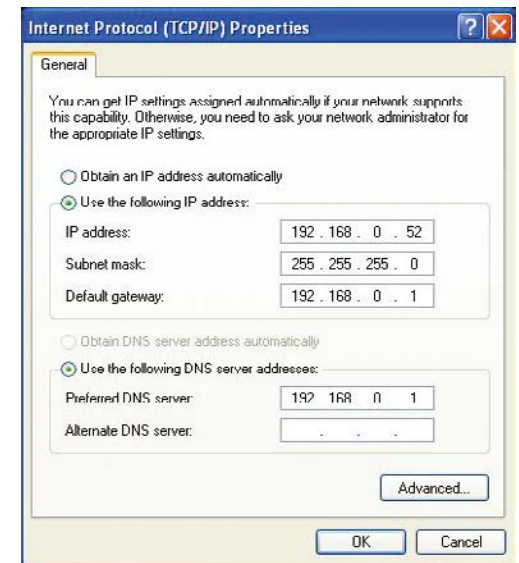
Step 3
Highlight **Internet Protocol (TCP/IP)** and click **Properties**.

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, 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).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1). 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

GSM Band (GSM/GPRS/EDGE)

- 850 / 900 / 1800 / 1900 MHz
- Power Class 4 (850 / 900 MHz)
- Power Class 1 (1800 / 1900 MHz)

UMTS/HSDPA/HSUPA/HSPA+ Band 1

- 850 / 1900 / 2100 MHz or 900 / 2100 MHz
- Power Class 3

Data Rates ²

- 1/2/5.5/11 Mbps in 802.11b mode
- 6/9/12/18/24/36/48/54 Mbps in 802.11g mode
- Up to 300 Mbps in 802.11n mode

Standards

- 802.11b
- 802.11g
- 802.11n

Wireless Security

- 64/128-bit WEP (Wired Equivalent Privacy)
- WPA & WPA2 (Wi-Fi Protected Access)

Firewall

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

VPN

- L2TP/PPTP/IPSEC VPN Passthrough
- 5 Dedicated IPsec tunnels

Antenna

- 1 External antenna

Ports

- 4 x LAN (RJ-45)
- 1 x WAN (RJ-45)

USIM Slot

- Standard 6-pin SIM card interface

LED Status Indicators

- Status
- WPS
- WAN
- LAN
- WLAN
- 2G
- 3G
- SMS
- Signal

Dimensions (L x W x H)

- 190 x 119 x 22 mm (7.48 x 4.69 x 0.87 inches)

Operating Temperature

- 0 to 40 °C (32 to 104 °F)

Storage Temperature

- -10 to 70 °C (14 to 158 °F)

Operating Humidity

- 10% to 90% (Non-condensing)

Storage Humidity

- 0 to 95% non-condensing

Certifications

- CE
- FCC
- RoHS
- Wi-Fi Certified

¹ Supported frequency band is dependent upon regional hardware version.

² Maximum wireless signal rate derived from IEEE Standard specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

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 20 cm 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 être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement 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 20 cm 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.

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。