

Setting up Wireless Encryption on a D-Link Router

With your MCC Broadband connection it is not necessary to run the Router's setup CD. Unless otherwise specified you are running a DHCP connection type that does not require the setup of the router's wizard. Running the wizard will oftentimes make the connection un-usable. Use the advanced or manual setup when setting up your new router.

1. Open up your web browser (Internet Explorer or Firefox) and log into your router with a computer that is directly plugged into the router by typing in the router's IP address in your browser's Address Bar. By default this IP address is **192.168.0.1**

You should be prompted with a login screen asking for a username and password

By default the D-Link's User Name is "admin" and the Password is left blank.

Product Page: DIR-615 Hardware Version: B2 Firmware Version: 2.21

D-Link

LOGIN

Log in to the router:

User Name : Admin

Password :

Log In

WIRELESS

2. Upon successful login you should at the D-Link Home screen.

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DIR-615 // SETUP ADVANCED TOOLS STATUS SUPPORT

INTERNET

INTERNET CONNECTION

There are two ways to set up your Internet connection: you can use the Web-based Internet Connection Setup Wizard, or you can manually configure the connection.

INTERNET CONNECTION SETUP WIZARD

If you would like to utilize our easy to use Web-based Wizards to assist you in connecting your new D-Link Systems Router to the Internet, click on the button below.

Internet Connection Setup Wizard

Note: Before launching these wizards, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.

MANUAL INTERNET CONNECTION OPTIONS

If you would like to configure the Internet settings of your new D-Link Systems Router manually, then click on the button below.

Manual Internet Connection Setup

Helpful Hints...

If you are new to networking and have never configured a router before, click on **Internet Connection Setup Wizard** and the router will guide you through a few simple steps to get your network up and running.

If you consider yourself an advanced user and have configured a router before, click **Manual Internet Connection Setup** to input all the settings manually.

More...

WIRELESS

- Select **“Wireless Settings”** immediately below **“Internet”**.

INTERNET	WIRELESS SETTINGS
WIRELESS SETTINGS	<p>The following Web-based wizards are designed to assist you in your wireless network setup and wireless device connection.</p> <p>Before launching these wizards, please make sure you have followed all steps outlined in the Quick Installation Guide included in the package.</p>
NETWORK SETTINGS	<p>WIRELESS NETWORK SETUP WIZARD</p> <p>This wizard is designed to assist you in your wireless network setup. It will guide you through step-by-step instructions on how to set up your wireless network and how to make it secure.</p> <p style="text-align: center;">Wireless Network Setup Wizard</p> <p>Note: Some changes made using this Setup Wizard may require you to change some settings on your wireless client adapters so they can still connect to the D-Link Router.</p>
	<p>ADD WIRELESS DEVICE WITH WPS (WI-FI PROTECTED SETUP) WIZARD</p> <p>This wizard is designed to assist you in connecting your wireless device to your router. It will guide you through step-by-step instructions on how to get your wireless device connected. Click the button below to begin.</p> <p style="text-align: center;">Add Wireless Device with WPS</p>
	<p>MANUAL WIRELESS NETWORK SETUP</p> <p>If your wireless network is already set up with Wi-Fi Protected Setup, manual configuration of the wireless network will destroy the existing wireless network. If you would like to configure the wireless settings of your new D-Link Systems Router manually, then click on the Manual Wireless Network Setup button below.</p> <p style="text-align: center;">Manual Wireless Network Setup</p>

- Select **“Manual Wireless Network Setup”** from the options.

DIR-615 //	SETUP	ADVANCED	TOOLS	STATUS
INTERNET	WIRELESS			
WIRELESS SETTINGS	<p>Use this section to configure the wireless settings for your D-Link Router. Please note that changes made on this section may also need to be duplicated on your Wireless Client.</p> <p style="text-align: center;">Save Settings Don't Save Settings</p>			
NETWORK SETTINGS	WIRELESS NETWORK SETTINGS			
	<p>Enable Wireless : <input checked="" type="checkbox"/> Always Add New</p> <p>Wireless Network Name : <input type="text" value="dlink"/> (Also called the SSID)</p> <p>802.11 Mode : Mixed 802.11n, 802.11g and 802.11b</p> <p>Enable Auto Channel Scan : <input checked="" type="checkbox"/></p> <p>Wireless Channel : 2.437 GHz - CH 6</p> <p>Transmission Rate : Best (automatic) (Mbit/s)</p> <p>Channel Width : 20 MHz</p> <p>Visibility Status : <input checked="" type="radio"/> Visible <input type="radio"/> Invisible</p>			
	WIRELESS SECURITY MODE			
	<p>To protect your privacy you can configure wireless security features. This device supports three wireless security modes, including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.</p> <p style="text-align: center;">Security Mode : None</p>			

5. Select **“WPA-Personal”** from the dropdown **Security Mode**.
 Select **“WPA2 Only”** from the dropdown **WPA Mode**.
 Select **“AES”** from the dropdown **Cipher Type**.
 Enter in a minimum of 8 characters for the **“Pre-Shared Key”**

WIRELESS SECURITY MODE

To protect your privacy you can configure wireless security features. This device supports three wireless security modes, including WEP, WPA-Personal, and WPA-Enterprise. WEP is the original wireless encryption standard. WPA provides a higher level of security. WPA-Personal does not require an authentication server. The WPA-Enterprise option requires an external RADIUS server.

Security Mode :

WPA

Use **WPA or WPA2** mode to achieve a balance of strong security and best compatibility. This mode uses WPA for legacy clients while maintaining higher security with stations that are WPA2 capable. Also the strongest cipher that the client supports will be used. For best security, use **WPA2 Only** mode. This mode uses AES(CCMP) cipher and legacy stations are not allowed access with WPA security. For maximum compatibility, use **WPA Only**. This mode uses TKIP cipher. Some gaming and legacy devices work only in this mode.

To achieve better wireless performance use **WPA2 Only** security mode (or in other words AES cipher).

WPA Mode :

Cipher Type :

Group Key Update Interval : (seconds)

PRE-SHARED KEY

Enter an 8- to 63-character alphanumeric pass-phrase. For good security it should be of ample length and should not be a commonly known phrase.

Pre-Shared Key :

6. At the top of this page select **“Save Settings”** to lock in the entered settings.

Product Page: DIR-615
Hardware Version: B2

D-Link

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INTERNET	WIRELESS			
WIRELESS SETTINGS	Use this section to configure the wireless settings for your D-Link Router. Please note that changes made on this section may also need to be duplicated on your Wireless Client.			
NETWORK SETTINGS	<input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/>			

You have now successfully set up a powerful encryption on your wireless connection and each device that connects wirelessly will need to be configured to re-login to the network using the WPA Shared Key that was established.

Once it is connected one time there is no need to re-enter the Key.

*Some routers and wireless equipment may not allow WPA2 security. For these using WPA or WEP are the only encryption methods available. For more information on D-Link Routers visit <http://support.dlink.com/>