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-useable. 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.

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

   ![Login Screen](image)

   ![Wireless Connection](image)
3. Select "Wireless Settings" immediately below "Internet".

Wireless Settings

The following Web-based wizards are designed to assist you in your wireless network setup and wireless device connection.

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

Wireless Network Setup Wizard

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.

Add Wireless Device with WPS (Wi-Fi Protected Setup) Wizard

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.

Add Wireless Device with WPS

Manual Wireless Network Setup

If your wireless network is already set up with WPA 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.

Manual Wireless Network Setup


Manual Wireless Network Setup

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.

Manual Wireless Network Settings

Enable Wireless: [on] Always Add New

Wireless Network Name: dlink (Also called the SSID)

802.11 Mode: Mixed 802.11b, 802.11g and 802.11n

Enable Auto Channel Scan: [on]

Wireless Channel: 2.457 GHz - 3165 MHz

Transmission Rate: Best (automatic) Mbps

Channel Width: 20 MHz

Visibility Status: Visible Invisible

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: None
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”

6. At the top of this page select “Save Settings” to lock in the entered 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-logon 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/