

How to Enable Security on Wireless Network

This document will detail how to enable Wireless and Wireless Security settings on the following models

DSL-2730B Revision T1 Firmware AU_2.00

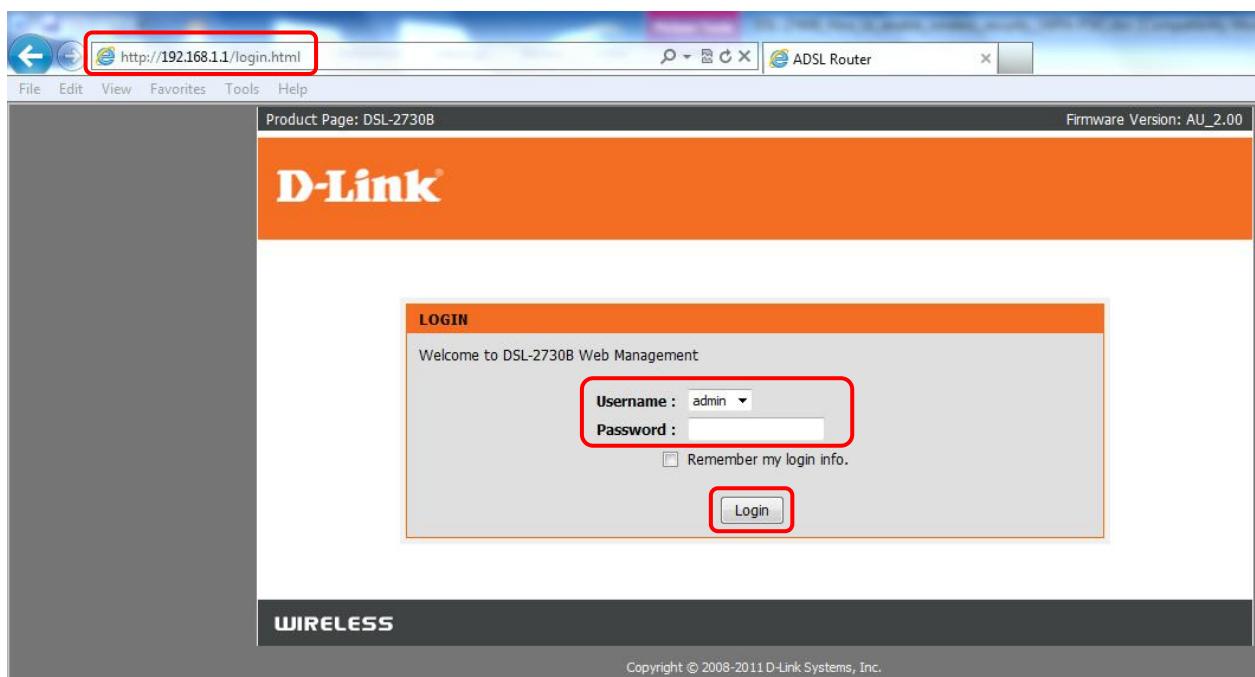
DSL-2740B Revision F1 Firmware AU_2.00

DSL-2750B Revision B1 Firmware AU_2.00

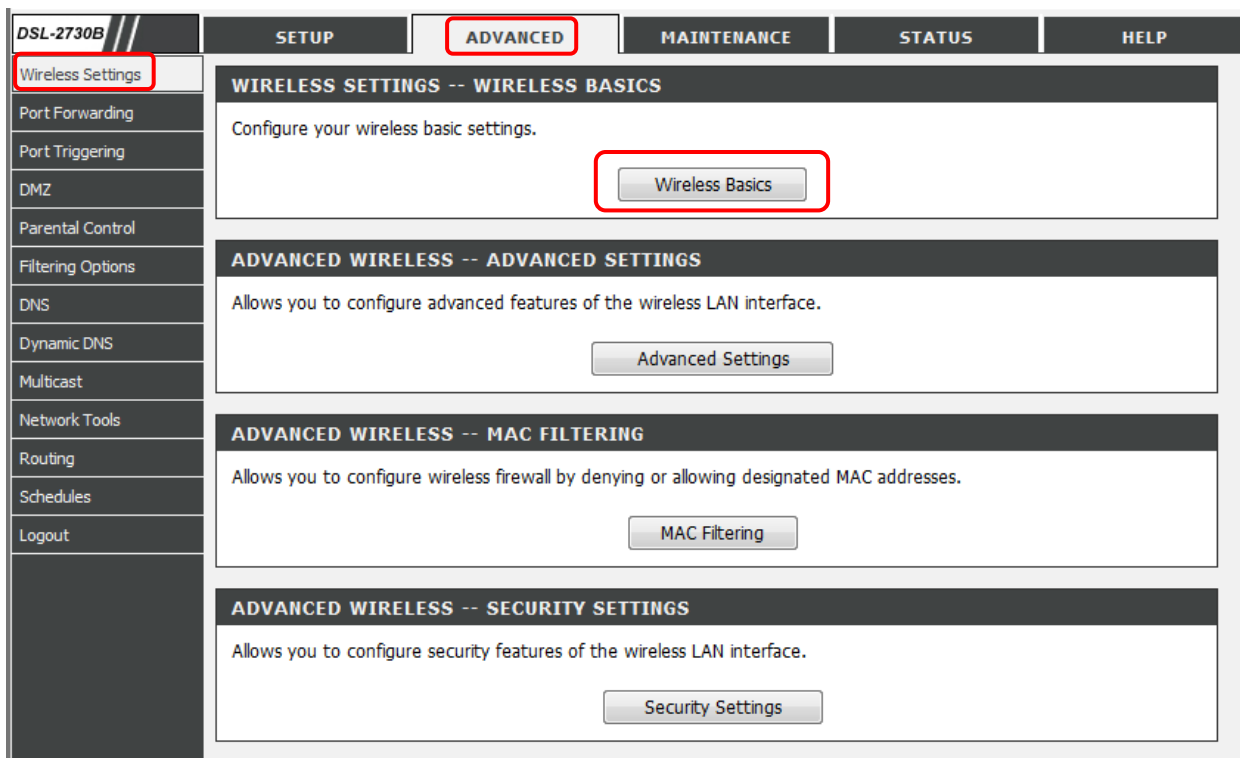
To setup wireless on your router and secure your wireless network, please follow these steps:

Step 1. Open your Web browser and enter the IP address of the router (192.168.1.1). Select Username (admin) and password (the default is admin).

Click on the [Login] button



Step 2. Click on the [ADVANCED](#) > [Wireless Settings](#) > [Wireless Basics](#).

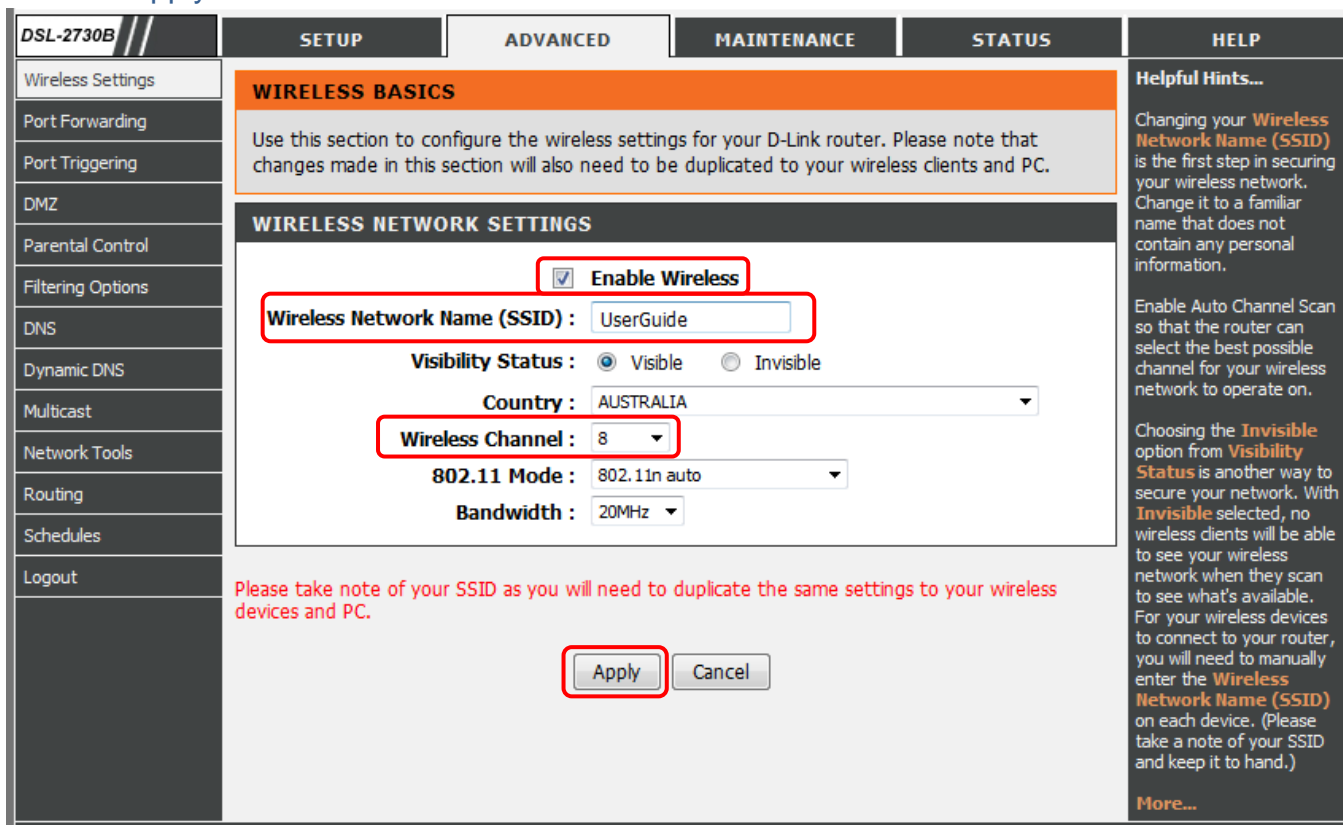


Step 3. Make sure the [Enable Wireless](#) option is selected.

Your Wireless Network Name is displayed under the [Wireless Network Name \(SSID\)](#) field. You can change to anything you want.

You can select a number of different [Wireless Channel](#) to avoid any possible wireless interferences.

Click on [Apply](#) button when finished.



Step 4. Click on the [ADVANCED](#) > [Wireless Settings](#) > [Security Settings](#).

The screenshot shows the router's configuration interface. The top navigation bar includes 'DSL-2730B', 'SETUP', 'ADVANCED' (highlighted with a red box), 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various settings, with 'Wireless Settings' highlighted. The main content area is titled 'WIRELESS SETTINGS -- WIRELESS BASICS' and contains three sections: 'WIRELESS BASICS', 'ADVANCED WIRELESS -- ADVANCED SETTINGS', and 'ADVANCED WIRELESS -- MAC FILTERING'. The 'ADVANCED WIRELESS -- SECURITY SETTINGS' section is highlighted with a red box and contains a 'Security Settings' button also highlighted with a red box.

Step 5. Select [Disabled](#) in [\[Enable WPS\]](#) section at the top of the screen.

The screenshot shows the router's configuration interface. The top navigation bar includes 'DSL-2730B', 'SETUP', 'ADVANCED' (highlighted with a red box), 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various settings, with 'Wireless Settings' highlighted. The main content area is titled 'SECURITY SETTINGS' and contains a 'WPS SETUP' section. The 'Enable WPS:' dropdown menu is highlighted with a red box and shows 'Disabled' selected. The 'WPS AP Mode:' dropdown menu is also highlighted with a red box and shows 'Configured' selected. The 'Add Client' section is highlighted with a red box and contains an 'Add Enrolee' button. The 'Setup AP' section is highlighted with a red box and contains a 'Config AP' button. A 'Helpful Hints...' section is visible on the right side of the page.

Step 6. Under **Security Mode** select the type of security you want to have on your wireless network. We recommend **WPA-Personal**.

Under WPA Mode select 'WPA Only'.

Under WPA Passphrase specify a passphrase/key. This will be your **Wireless Security Password**. You can just make it up. The key should be at least 8 characters long.

WPA Group Rekey Interval - 0

WPA/WAPI Encryption – TKIP+AES

DSL-2730B // SETUP ADVANCED MAINTENANCE STATUS HELP

Wireless Settings

Port Forwarding

Port Triggering

DMZ

Parental Control

Filtering Options

DNS

Dynamic DNS

Multicast

Network Tools

Routing

Schedules

Logout

SECURITY SETTINGS

This page allows you to configure security features of the wireless LAN interface. You can set the network authentication method, select data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength OR setup wireless security through WiFi Protected Setup(WPS).
Click "Apply" to configure the wireless security options.

WPS SETUP

Enable WPS: Disabled

WIRELESS SSID

Select SSID: UserGuide

WIRELESS SECURITY MODE

To protect your privacy you can configure wireless security features. This device supports three wireless security modes including: WEP, WPA and WPA2. WEP is the original wireless encryption standard. WPA and WPA2 provides a higher level of security.

Security Mode: WPA-Personal

WIRELESS SECURITY MODE

WPA Mode: WPA Only

WPA passphrase: ●●●●●●●●

WPA Group Rekey Interval: 0

WPA/WAPI Encryption: TKIP+AES

Please take note of your SSID and security Key as you will need to duplicate the same settings to your wireless devices and PC.

Apply/Save Cancel

Helpful Hints...

If you enable Wireless Security, make sure you write down the encryption key that you have configured. You will need to enter this information on any wireless device that you connect to your wireless network.

More...

Step 6. Click on **Apply/Save** button to save the settings.

When connecting your computers to the wireless network, make sure you use the same security settings on your wireless adapter e.g. WPA-PSK with the same passphrase/key. Note that it is case sensitive. Please refer to your wireless adapter's guide on how to connect to a secure network.

Note: WPA-PSK is more secure than WEP. However if any of your wireless clients do not support WPA-PSK (WPA Personal), you will have to select the Shared option (WEP).

Under Security Mode select [Shared](#).

Set Encryption Strength – choose [128 bit](#) or [64 bit](#).

Current Network Key – 1.

Under Network Key 1 enter the key you want to use. 128 bit encryption requires 26 character HEX key (HEX characters include numbers from 0 to 9 and letters from A to F).

Click on [Apply/Save](#) button to save settings.

WIRELESS SECURITY MODE

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Security Mode :

WIRELESS SECURITY MODE

Encryption Strength:

Current Network Key:

Network Key 1:

Network Key 2:

Network Key 3:

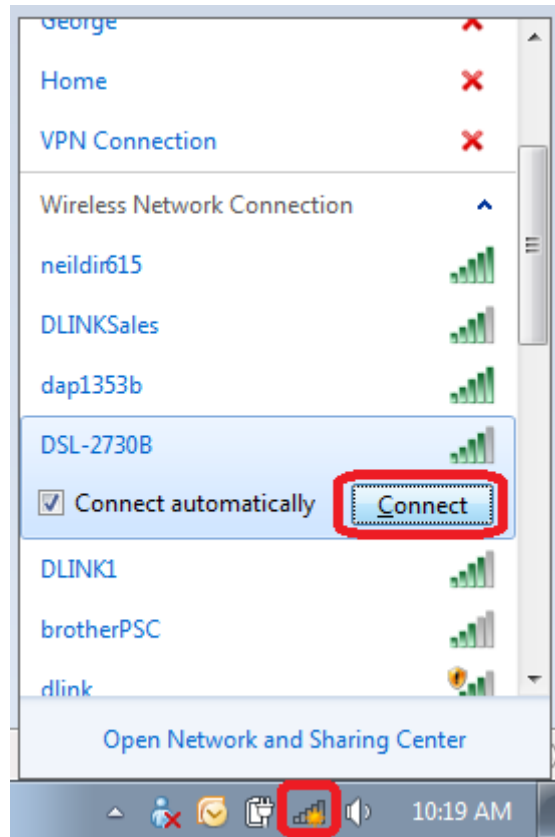
Network Key 4:

Enter 13 ASCII characters or 26 hexadecimal digits for 128-bit encryption keys
Enter 5 ASCII characters or 10 hexadecimal digits for 64-bit encryption keys

Please take note of your SSID and security Key as you will need to duplicate the same settings to your wireless devices and PC.

-Example below is from a Windows 7 laptop connecting to a wireless network.

1. Click on the **'bar graph'** in the task tray, followed by selecting your network from the list and click *Connect*.



2. You will be prompted for the network key.

-Enter the key you created in step 6 of this guide.

