

User Manual

Dual Band Wireless N750 Gigabit ADSL2+ Modem Router

Table of Contents

Table of Contents	2	Dynamic DNS	52
Product Overview	4	Port Triggering	53
Package Contents	4	IP&MAC Filtering	55
System Requirements	4	Parental Control	57
Features	5	Firewall	59
Hardware Overview	6	DMZ	61
Front Panel	6	RIP	62
Rear Panel	7	IGMP	64
Basic Installation	8	QoS	65
Before You Begin	8	Advanced Wireless 2.4G	69
Installation Notes	8	Advanced Wireless 5G	74
Information you will need from your ADSL service provider	10	Routing	79
Information you will need about this Router	11	SNMP	83
Information you will need about your LAN or computer	11	UPnP	85
Device Installation	12	Samba	86
Power on Router	12	DSL Line Settings	88
Factory Reset Button	12	URL Redirect	90
Network Connections	13	ALG Setting	91
Getting Started	14	Budget Quota	92
How to connect to the Web User Interface	14	Maintenance Category	94
Web User Interface Configuration	15	Administrator	95
Setup Category	16	Access Control	97
Wizard	17	System Settings	99
WAN Setup	23	Firmware Update	101
Network Map	27	Diagnostics	103
Wireless 2.4G	31	System Log	105
Wireless 5G Setup	35	Status Category	107
LAN Setup	39	Device Info	108
Time and Date	41	System Log	111
IPv6	43	Statistics	113
Mydlink Settings	45	ARP Table Info	116
Advanced Category	47	Route Table	117
Virtual Server	49	DHCP Table	118
DNS	51	Wireless Table	119
		Internet Session	120
		Storage Service	121
		Help Category	122
		Knowledge Base	123

Networking Basics	123
Wireless Basics	125
Wireless Modes	127
Wireless Security	127
What is WPA?	127
Frequently Asked Questions	129
Technical Specifications	130

Product Overview

Package Contents

This product should contain all of the below mentioned items within its packaging:

- One DSL-2870B Wireless ADSL2+ Router
- One Power Adapter
- One CD containing the User Manual
- One twisted-pair telephone cable used for DSL connection
- One straight-through Ethernet cable
- One Quick Installation Guide

If any of the above items are missing, please contact your reseller.

Note: Using a power supply with a different voltage rating than the one included with the DSL-2870B will cause damage to this product and void the warranty for this product.



System Requirements

Network Requirements:	<ul style="list-style-type: none">• Ethernet Adapter at 10/100/1000Mbps.• Wireless Adapter with IEEE 802.11n, 802.11a, or 802.11b/g Protocols.
Web User Interface Requirements:	<ul style="list-style-type: none">• Windows®, Macintosh, or Linux-based Operating System.• Internet Browser like Internet Explorer 7 or higher, Firefox 3.5 or higher, Safari 4 or higher, or Chrome 8 or higher.
Internet Requirements:	<ul style="list-style-type: none">• ADSL Internet Connection Service from an ISP.

Features

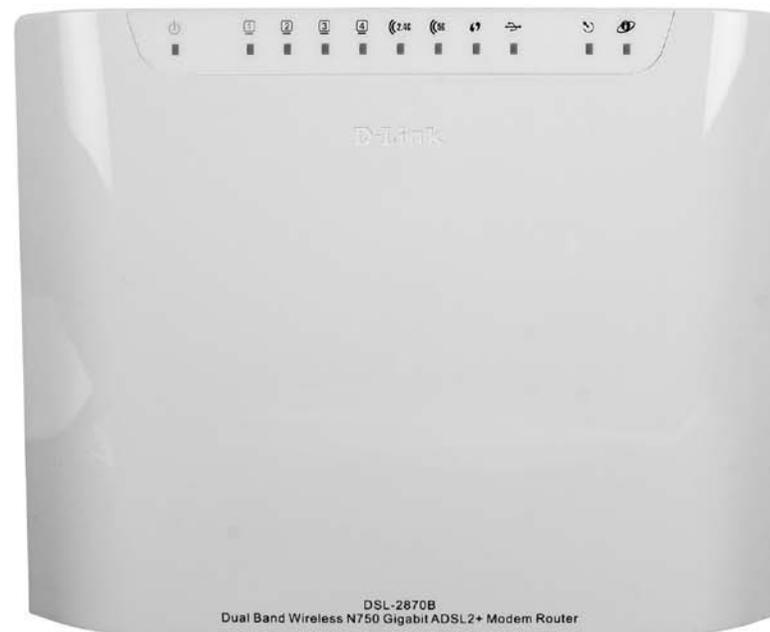
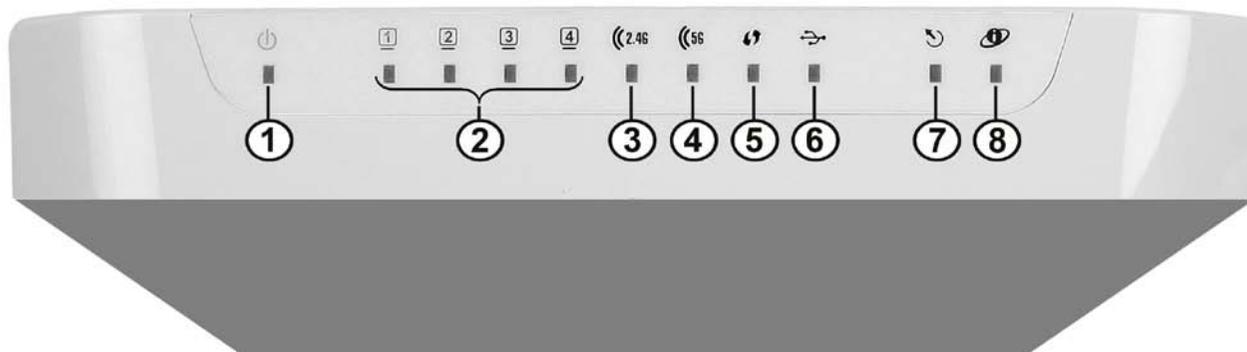
- **Faster Wireless Networking** - The DSL-2870B provides up to 300Mbps* for the 2.4GHz band and 450Mbps* for the 5GHz band wireless connection with other 802.11n wireless clients. This capability allows users to participate in real-time activities online, such as video streaming, online gaming, and real-time audio.
- **Compatible with 802.11b and 802.11g Devices** - The DSL-2870B is still fully compatible with the IEEE 802.11b and IEEE 802.11g standards, so it can connect with existing 802.11b and 802.11g PCI, USB and Cardbus adapters.
- **DHCP Support** - Dynamic Host Configuration Protocol automatically and dynamically assigns all LAN IP settings to each host on your network. This eliminates the need to reconfigure every host whenever changes in network topology occur.
- **Network Address Translation (NAT)** - For small office environments, the DSL-2870B allows multiple users on the LAN to access the Internet concurrently through a single Internet account. This provides Internet access to everyone in the office for the price of a single user. NAT improves network security in effect by hiding the private network behind one global and visible IP address. NAT address mapping can also be used to link two IP domains via a LAN-to-LAN connection.
- **Precise ATM Traffic Shaping** - Traffic shaping is a method of controlling the flow rate of ATM data cells. This function helps to establish the Quality of Service for ATM data transfer.
- **High Performance** - Very high rates of data transfer are possible with the router. Up to 24Mbps downstream bit rate using the G.dmt standard. (For ADSL2+)
- **Full Network Management** - The DSL-2870B incorporates SNMP (Simple Network Management Protocol) support for web-based management and text-based network management via a Telnet connection.
- **Easy Installation** - The DSL-2870B uses a web-based graphical user interface program for convenient management access and easy set up. Any common web browsing software can be used to manage this router.
- **USB Support** - The DSL-2870B provides a USB port to easily share files and printers. The DSL-2870B supports a USB storage option that shares files through a SAMBA file server and in addition also supports sharing USB printers to network members. Please note that the USB storage device is not included in this package and must be bought separately.

* Maximum wireless signal rate derived from IEEE standard 802.11n 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.

Hardware Overview

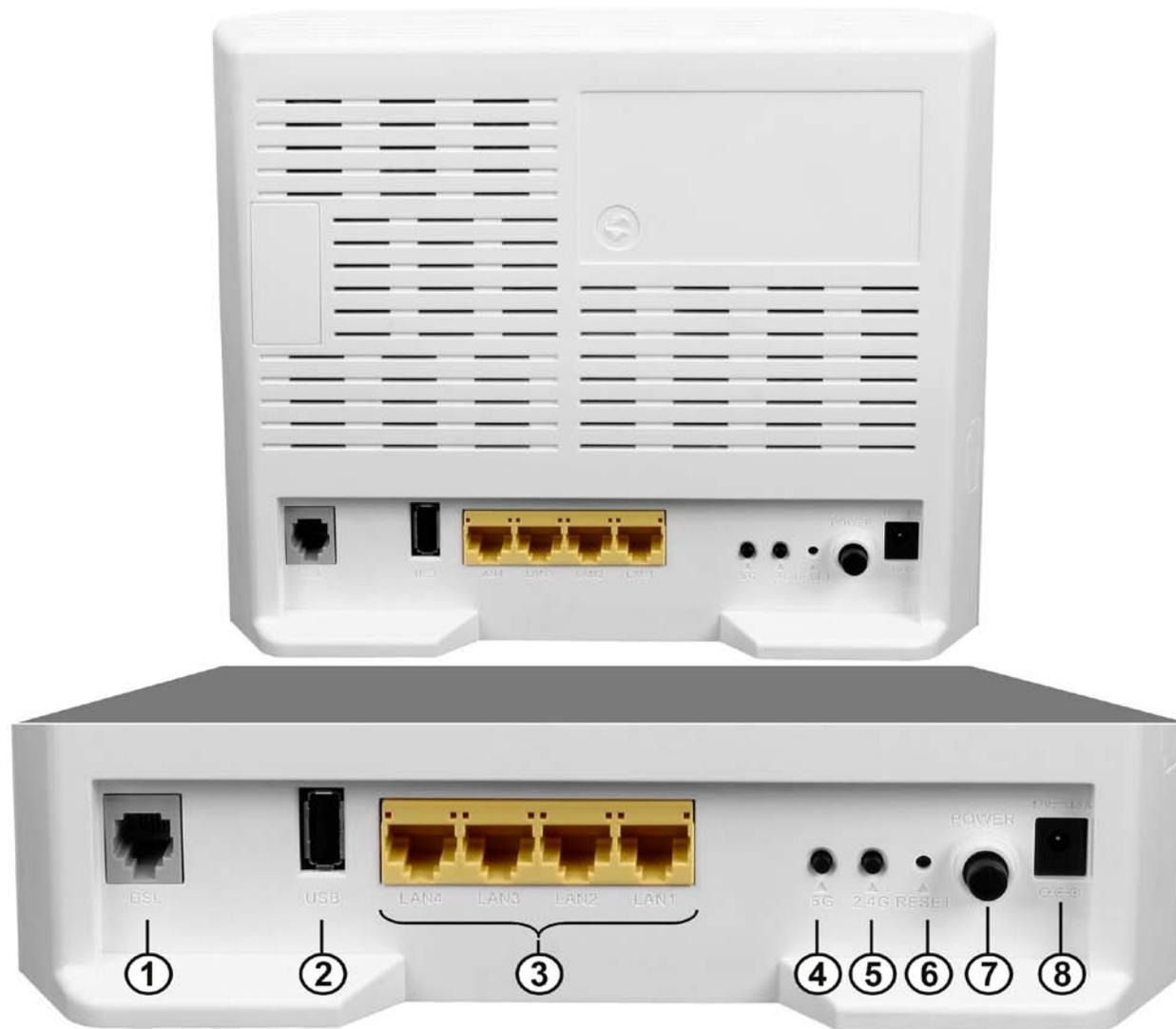
Front Panel

Number	Description
1	Power - A steady green light indicates the unit is powered on. When the device is powered off this remains dark. During the Power On Self Test this light will be red. If this light remains red after the POST, a malfunction has occurred.
2	LAN - A solid light indicates a valid link on startup. This light will blink when there is activity currently passing through the Ethernet port. A green light will be illuminated for a 10/100Mbps connection and an amber light will be illuminated for a 1000Mbps connection.
3	2.4GHz WLAN - Steady green light indicates a wireless connection. A blinking green light indicates activity on the WLAN
4	5GHz WLAN - Steady green light indicates a wireless connection. A blinking green light indicates activity on the WLAN
5	WPS - The light will flash while a WPS connection is being established. The light will light solid for 5 seconds if a successful WPS connection has been made.
6	USB - Steady green light indicates a successful USB connection. Dark if no USB device is connected.
7	DSL - Steady green light indicates a valid ADSL connection. This will light after the ADSL negotiation process has been settled. A blinking green light indicates activity on the WAN (ADSL) interface.
8	Internet - Steady green light indicates a successful Internet connection. Steady red light indicates failed Internet connection. Dark if no WAN protocol is configured.



Rear Panel

Number	Description
1	ADSL Port - Use the DSL cable to connect to your telephone line (RJ-11 port).
2	USB Port - Use the USB port to connect your USB device.
3	Ethernet Ports - Use the Ethernet ports to connect the router to your Ethernet LAN or Ethernet devices.
4	5GHz Wireless On/Off Switch Button - Please press and hold on for 3 seconds to turn on/turn off.
5	2.4GHz Wireless On/Off Switch Button - Please press and hold on for 3 seconds to turn on/turn off.
6	Reset Button - Press and hold the button for 10-15 seconds to restore the device to its original factory default settings.
7	Power Button - Push in to power-on the router. Push again to power-off the router.
8	Power Receptor - Receptor for the supplied power adapter.



Basic Installation

This section will walk you through the installation process. Placement of the router is very important. Do not place the router in an enclosed area such as a closet, cabinet, or in the attic or garage.

Before You Begin

Please read and make sure you understand all the prerequisites for proper installation of your new router. Have all the necessary information and equipment on hand before beginning the installation.

Installation Notes

In order to establish a connection to the Internet it will be necessary to provide information to the router that will be stored in its memory. For some users, only their account information (Username and Password) is required. For others, various parameters that control and define the Internet connection will be required.

Low Pass Filters

Since ADSL and telephone services share the same copper wiring to carry their respective signals, a filtering mechanism may be necessary to avoid mutual interference. A low pass filter device can be installed for each telephone that shares the line with the ADSL line. These filters are easy to install passive devices that connect to the ADSL device and/or telephone using standard telephone cable. Ask your service provider for more information about the use of low pass filters with your installation.

Operating Systems

The DSL-2870B uses an HTML-based web interface for setup and management. The Web configuration manager may be accessed using any operating system capable of running web browser software, including Windows[®], Macintosh, and Linux-based Operating Systems.

Web Browser

Any common Web browser can be used to configure the router using the Web configuration management software. The program is designed to work best with more recently released browsers such as Internet Explorer 7 or higher, Firefox 3.5 or higher, Safari 4 or higher, or Chrome 8 or higher.. The Web browser must have JavaScript enabled. JavaScript is enabled by default on many browsers. Make sure JavaScript has not been disabled by other software (such as virus protection or web user security packages) that may be running on your computer.

Ethernet Port (NIC Adapter)

Any computer that uses the router must be able to connect to it through one of the Ethernet ports on the router. This connection is an Ethernet connection and therefore requires that your computer be equipped with an Ethernet port as well. Most notebook computers are now sold with an Ethernet port already installed. Likewise, most fully assembled desktop computers come with an Ethernet adapter as standard equipment. If your computer does not have an Ethernet port, you must install an Ethernet NIC adapter before you can use the router. If you must install an adapter, follow the installation instructions that come with the Ethernet NIC adapter.

Additional Software

It may be necessary to install software on your computer that enables the computer to access the Internet. Additional software must be installed if you are using the device a simple bridge. For a bridged connection, the information needed to make and maintain the Internet connection is stored on another computer or gateway device, not in the router itself.

If your ADSL service is delivered through a PPPoE or PPPoA connection, the information needed to establish and maintain the Internet connection can be stored in the router. In this case, it is not necessary to install software on your computer. It may however be necessary to change some settings in the device, including account information used to identify and verify the connection.

All connections to the Internet require a unique global IP address. For bridged connections, the global IP settings must reside in a TCP/IP enabled device on the LAN side of the bridge, such as a PC, a server, a gateway device such as a router or similar firewall hardware. The IP address can be assigned in a number of ways. Your network service provider will give you instructions about any additional connection software or NIC configuration that may be required.

Information you will need from your ADSL service provider

Username

This is the Username used to log on to your ADSL service provider's network. Your ADSL service provider uses this to identify your account.

Password

This is the Password used, in conjunction with the Username above, to log on to your ADSL service provider's network. This is used to verify the identity of your account.

WAN Setting / Connection Type

These settings describe the method your ADSL service provider uses to transport data between the Internet and your computer. Most users will use the default settings. You may need to specify one of the following WAN Setting and Connection Type configurations (Connection Type settings listed in parenthesis):

- PPPoE/PPPoA (PPPoE LLC, PPPoE VC-Mux, PPPoA LLC or PPPoA VC-Mux)
- Static IP Address (1483 Routed IP LLC or 1483 Routed IP VC-Mux)
- Bridge Mode (1483 Bridged IP LLC or 1483 Bridged IP VC-Mux)

Modulation Type

ADSL uses various standardized modulation techniques to transmit data over the allotted signal frequencies. Some users may need to change the type of modulation used for their service. The default DSL modulation (Autosense) used for the router automatically detects all types of ADSL, ADSL2, and ADSL2+ modulation.

Security Protocol

This is the method your ADSL service provider will use to verify your Username and Password when you log on to their network. Your router supports the PAP and CHAP protocols.

VPI

Most users will not be required to change this setting. The Virtual Path Identifier (VPI) is used in conjunction with the Virtual Channel Identifier (VCI) to identify the data path between your ADSL service provider's network and your computer. If you are setting up the router for multiple virtual connections, you will need to configure the VPI and VCI as instructed by your ADSL service provider for the additional connections. This setting can be changed in the WAN Settings window of the web management interface.

VCI

Most users will not be required to change this setting. The Virtual Channel Identifier (VCI) used in conjunction with the VPI to identify the data path between your ADSL service provider's network and your computer. If you are setting up the router for multiple virtual connections, you will need to configure the VPI and VCI as instructed by your ADSL service provider for the additional connections. This setting can be changed in the WAN Settings window of the web management interface.

Information you will need about this Router

Username

This is the Username needed access the router's web management interface. When you attempt to connect to the device through a web browser you will be prompted to enter this Username. The default Username for the router is **"admin"**.

Password

This is the Password you will be prompted to enter when you access the router's web management interface. The default Password is **"admin"**.

LAN IP Addresses for the DSL-2870B

This is the IP address you will enter into the Address field of your web browser to access the router's configuration Graphical User Interface (GUI) using a web browser. The default IP address is **192.168.1.1**. This may be changed to suit any IP address scheme the user desires. This address will be the base IP address used for DHCP service on the LAN when DHCP is enabled.

LAN Subnet Mask for the DSL-2870B

This is the subnet mask used by the DSL-2870B, and will be used throughout your LAN. The default subnet mask is **255.255.255.0**. This can be changed later.

Information you will need about your LAN or computer

Ethernet NIC

If your computer has an Ethernet NIC, you can connect the DSL-2870B to this Ethernet port using an Ethernet cable. You can also use the Ethernet ports on the DSL-2870B to connect to other computer or Ethernet devices.

DHCP Client status

Your DSL-2870B ADSL router is configured, by default, to be a DHCP server. This means that it can assign an IP address, subnet mask, and a default gateway address to computers on your LAN. The default range of IP addresses the DSL-2870B will assign are from **192.168.1.2 to 192.168.1.254**. Your computer (or computers) needs to be configured to obtain an IP address automatically (that is, they need to be configured as DHCP clients.)

Once you have the above information, you are ready to setup and configure your DSL-2870B ADSL router.

Device Installation

The DSL-2870B connects two separate physical interfaces, an ADSL (WAN) and an Ethernet (LAN) interface. Place the router in a location where it can be connected to the various devices as well as to a power source. The router should not be located where it will be exposed to moisture or excessive heat. Make sure the cables and power cord are placed safely out of the way so they do not create a tripping hazard. As with any electrical appliance, observe common sense safety procedures.

The router can be placed on a shelf or desktop, ideally you should be able to see the LED indicators on the front if you need to view them for troubleshooting.

Power on Router

The router must be used with the power adapter included with the device.

1. Insert the AC Power Adapter cord into the power receptacle located on the rear panel of the router and plug the adapter into a suitable nearby power source.
2. Press the Power button into the on position. You should see the Power LED indicator light up and remain lit.
3. If the Ethernet port is connected to a working device, check the Ethernet LED indicators to make sure the connection is valid. The router will attempt to establish the ADSL connection, if the ADSL line is connected and the router is properly configured this should light up after several seconds. If this is the first time installing the device, some settings may need to be changed before the router can establish a connection.

Factory Reset Button

The router may be reset to the original factory default settings by using a ballpoint pen or paperclip to gently push down the reset button in the following sequence:

1. Press and hold the reset button while the device is powered on for 10-15 seconds.
2. Release the reset button.

Remember that this will wipe out any settings stored in flash memory including user account information and LAN IP settings. The device settings will be restored to the factory default IP address **192.168.1.1** and the subnet mask is **255.255.255.0**. The default management username is **“admin”** and the default password is **“admin”**.

Network Connections

Connect ADSL Line

Use the ADSL cable included with the router to connect it to a telephone wall socket or receptacle. Plug one end of the cable into the ADSL port (RJ-11 receptacle) on the rear panel of the router and insert the other end into the RJ-11 wall socket. If you are using a low pass filter device, follow the instructions included with the device or given to you by your service provider. The ADSL connection represents the WAN interface, the connection to the Internet. It is the physical link to the service provider's network backbone and ultimately to the Internet.

Connect Router to Ethernet

The router may be connected to a single computer or Ethernet device through the Ethernet ports on the rear panel. Any connection to an Ethernet concentrating device such as a switch or hub must operate at a speed of 10/100/1000Mbps. When connecting the router to any Ethernet device that is capable of operating at speeds higher than 10Mbps, be sure that the device has auto-negotiation (NWay) enabled for the connecting port. Use standard twisted-pair cable with RJ-45 connectors. The RJ-45 ports on the router are a crossed port (MDI-X). Follow standard Ethernet guidelines when deciding what type of cable to use to make this connection. When connecting the router directly to a PC or server use a normal straight-through cable. You should use a crossed cable when connecting the router to a normal (MDI-X) port on a switch or hub. Use a normal straight-through cable when connecting it to an uplink (MDI-II) port on a hub or switch. The rules governing Ethernet cable lengths apply to the LAN to router connection. Be sure that the cable connecting the LAN to the router does not exceed 100 meters.

Hub or Switch to Router Connection

Connect the router to an uplink port (MDI-II) on an Ethernet hub or switch with a straight-through cable. If you wish to reserve the uplink port on the switch or hub for another device, connect to any on the other MDI-X ports (1x, 2x, etc.) with a crossed cable.

Computer to Router Connection

You can connect the router directly to an Ethernet adapter card (NIC) installed on a PC using the Ethernet cable provided.

Getting Started

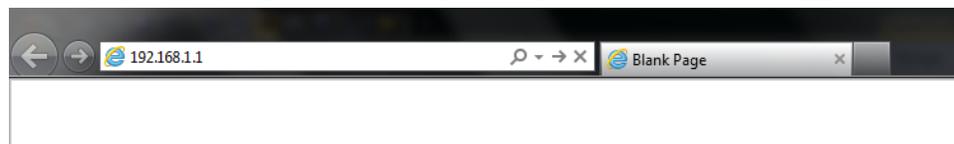
This section will show you how to set up and configure your new D-Link router using the Web-based configuration utility.

How to connect to the Web User Interface

Connect to the Router

To configure the WAN connection used by the router it is first necessary to communicate with the router through its management interface, which is HTML-based and can be accessed using a web browser. The easiest way to make sure your computer has the correct IP settings is to configure it to use the DHCP server in the router.

To access the web user interface, open a web-browser such as Internet Explorer and enter the IP address of the router (**192.168.1.1**) into the address bar and press the *Enter* key on your keyboard.



Type "**admin**" in the User Name field and "**admin**" in the Password field, and click the **Login** button to proceed. If you get a *Page Cannot be Displayed* error, please refer to the Troubleshooting section for assistance.

A screenshot of the router's login page. The page has an orange header with the word "LOGIN" in white. Below the header, the text "Login in to the router" is displayed. There are two input fields: "User Name :" with the text "admin" entered, and "Password :". Below the password field is a "Login" button.

Web User Interface Configuration

After successfully logging into the Web User Interface, the following page will be displayed. This page is divided into clickable components that make the configuration of this device easier and more understandable.

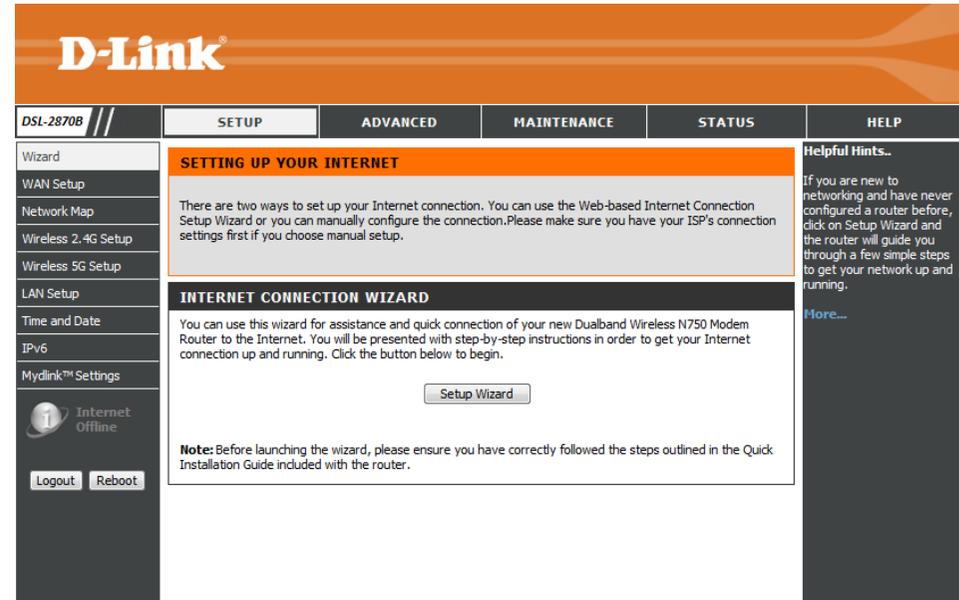
The top menu lists out the **Categories** available for configuration. The categories available to configure on this device are **Setup**, **Advanced**, **Maintenance**, **Status** and **Help**.

The left menu lists out the **Pages** available, for each individual category, for configuration. In this example, we observe the pages available in the **Setup** category. The pages available here are **Wizard**, **WAN Setup**, **Network Map**, **Wireless 2.4G Setup**, **Wireless 5G Setup**, **LAN Setup**, **Time and Date**, **IPv6** and **Mydlink™ Settings**.

Every category will have a **Internet Offline** option at the bottom of all the pages. This option can be used to display the internet status.

Every category will have a **Logout** option at the bottom of all the pages. This option can be used to log out from the web user interface and also close the browser.

Every category will have a **Reboot** option at the bottom of all the pages. This option can be used to reboot the router.



Setup Category

The **Setup** category is designed to assist the user with essential configurations, concerning the initial setup of this product.

The following pages can be found in the **Setup** category:

- [Wizard](#) – On this page the user can easily configure some essential settings available on this router by following a step-by-step wizard.
- [WAN Setup](#)– On this page the user can configure services related to the WAN connectivity of this product.
- [Network Map](#)– On this page is intended to provide user with a view of all connected devices within networks, such as CPE information, network devices' IP and MAC address. With graphics and easy-to-understand user interface, users can easily manage device settings.
- [Wireless 2.4G Setup](#)– On this page the user can configure services related to the Wireless 2.4GHz connectivity of this product.
- [Wireless 5G Setup](#)– On this page the user can configure services related to the Wireless 5GHz connectivity of this product.
- [LAN Setup](#)– On this page the user can configure services related to the LAN connectivity of this product.
- [Time and Date](#) – On this page, the user can configure services related to the time and date feature of this product. **Time Servers** and a **Time Zone** can be specified here.
- [IPv6](#)–On this page the user can configure services related to the IPv6 connectivity of this product.
- [Mydink™ Settings](#)–On this page the user can configure services related to the mydink settings connectivity of this product.

The screenshot displays the D-Link web management interface for the DSL-2870B router. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The main content area is titled "SETTING UP YOUR INTERNET" and contains the following text:

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. Please make sure you have your ISP's connection settings first if you choose manual setup.

INTERNET CONNECTION WIZARD

You can use this wizard for assistance and quick connection of your new DSL-2870B to the Internet. You will be presented with step-by-step instructions in order to get your Internet connection up and running. Click the button below to begin.

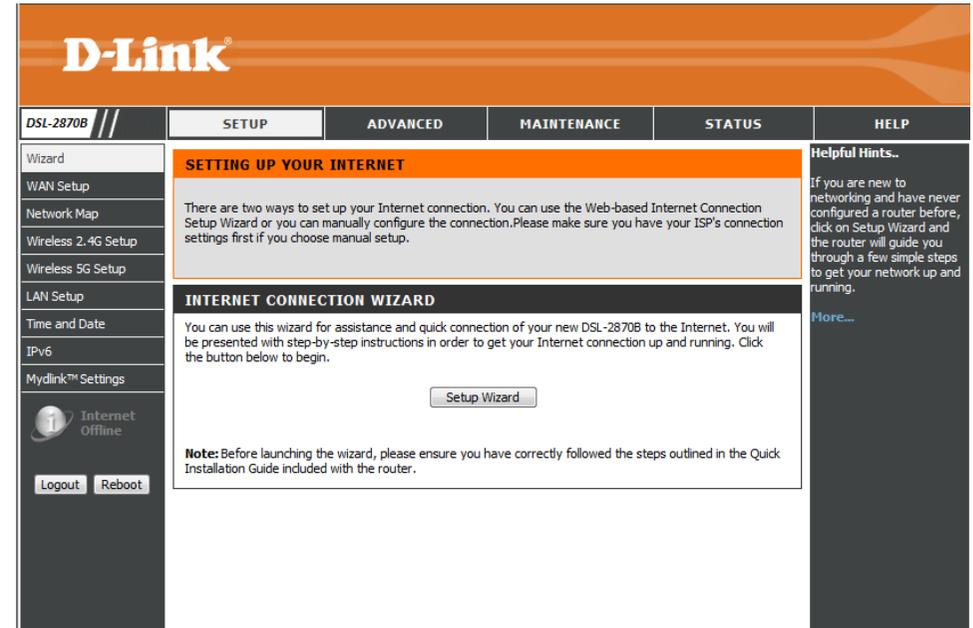
Note: Before launching the wizard, please ensure you have correctly followed the steps outlined in the Quick Installation Guide included with the router.

On the right side of the interface, there is a "Helpful Hints.." section with the text: "If you are new to networking and have never configured a router before, click on Setup Wizard and the router will guide you through a few simple steps to get your network up and running." Below this is a "More..." link.

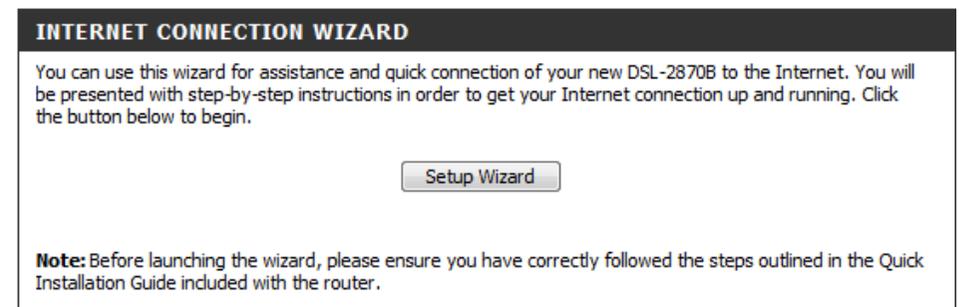
Wizard

To access the **Wizard** page, click on the **Setup** menu link, at the top, and then click on the **Wizard** menu link, on the left.

On this page the user can easily configure some essential settings available on this router by following a step-by-step wizard.



Click on the **Setup Wizard** button to initiate the setup wizard.



Welcome to the Setup Wizard

This wizard will guide user through a step-by-step wizard, divided into 7 steps, to configure this router and to connect to the Internet.

Click the **Next** button to continue to the next page.

Click the **Cancel** button to discard the changes made and return to the main page.

WELCOME TO THE SETUP WIZARD

It appears that you have already successfully connected your new router to the Internet

- Step 1: Set your password
- Step 2: Select your Time Zone
- Step 3: Configure your internet connection
- Step 4: Name your Wireless Network
- Step 5: Secure your Wireless Network
- Step 6: Set your Wireless Security Password
- Step 7: Setup mydlink™ Cloud Services

Prev Next Cancel Connect

Step 1: SET YOUR PASSWORD

In this step, the user can configure the web user interface login password. Enter the **Password** and **Verify Password** here.

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to continue to the next page..

Click the **Cancel** button to discard the changes made and return to the main page.

Click the **Connect** button to connect to the router

STEP 1: SET YOUR PASSWORD

To secure your new networking device, please set and verify a password below:

Password :

Verify Password :

Prev Next Cancel Connect

Step 2: Set YOUR TIME ZONE

In this step the user can configure the time zone settings that will be used by this router.

STEP 2: SELECT YOUR TIME ZONE

Select the appropriate time zone for your location. This information is required to configure the time-based options for the router.

Time Zone: (GMT+10:00) Canberra, Melbourne, Sydney

Prev Next Cancel Connect

Step 3: CONFIGURE YOUR INTERNET CONNECTION

In this step, the user can configure the Internet connection settings used by this router.

In this section, we can configure the following parameters.

Country: In this drop-down menu, the user can select one of two country options. They are **Australia** and **New Zealand**. To manually configure this connection, the user can choose the third option called **Other**.

Internet Service Provider: After selecting a country, in the previous option, a list of ISP connections will be available here. If your ISP is in the list, select it here and the correct parameters will be entered for the rest of the page. However, if your ISP is not listed here, you can choose the **Other** option.

Protocol: Select the appropriate protocol to use here. Options to choose from are **Dynamic IP Address**, **Static IP Address**, **PPPoE**, **PPPoA** and **Bridge**.

Connection Type: Select the appropriate connection type to use here. Options to choose from are **VC-Mux** and **LLC**.

VPI: Enter the correct Virtual Path Identifier (VPI) value for your ISP here.

VCI: Enter the correct Virtual Channel Identifier (VCI) value for your ISP here.

MTU: Enter the maximum transmission unites.

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to continue to the next page.

Click the **Cancel** button to discard the changes made and return to the main page.

Step 4: Configure Wireless Netw

In this step, the user can configure the wireless configuration for this router.

In this section we can configure the following parameters.

2.4G Wireless Network Name (SSID): In this textbox, we can enter the wireless networks name (SSID) for the wireless network, hosted by this router. This name will be visible for all wireless clients to see before initiating a connection to this router.

5G Wireless Network Name (SSID): In this textbox, we can enter the wireless networks name (SSID) for the wireless network, hosted by this router. This name will be visible for all wireless clients to see before initiating a connection to this router

STEP 3: CONFIGURE YOUR INTERNET CONNECTION

Please select your Country and ISP (Internet Service Provider) from the list below. If your Country or ISP is not in the list, please select 'Others'.

Country : Australia

Internet Service Provider : AAPT

Protocol : PPPoE

Connection Type : LLC

VPI : 8 (0-255)

VCI : 35 (32-65535)

MTU : 1492

Prev Next Cancel

STEP 4: NAME YOUR WIRELESS NETWORK

Your wireless network needs a name so it can be easily recognised by wireless clients. For security purpose, it is highly recommended to change the pre-configured network name of [default].

2.4G Wireless Network Name (SSID) : dlink-2870B-z

5G Wireless Network Name (SSID) : dlink-2870B5G-z

Prev Next Cancel Connect

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to continue to the next page.

Click the **Cancel** button to discard the changes made and return to the main page.

Click the **Connect** button to connect to the router

Step 5: SECURE YOUR WIRELESS NETWORK

In this step, we can configure the wireless network security settings for this router here.

In this section, we can configure the following parameters.

BEST: Select this option if your wireless adapters SUPPORT WPA2

BETTER: Select this option if your wireless adapters SUPPORT WPA

GOOD: Select this option if your wireless adapters DO NOT SUPPORT WPA

NONE: Select this option if your do not want to activate any security featur

Click **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to continue to the next page.

Click the **Cancel** button to discard the changes made and return to the main page.

Click the **Connect** button to connect to the router

Step 6: SET YOUR WIRELESS SECURITY PASSWORD

In this step, we can set the wireless security password

In this section, we can configure the following parameters.

2.4G Wireless Security Password:Enter the 2.4G wireless security password

5 Wireless Security Password:Enter the 5G wireless security password

Click **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to continue to the next page.

Click the **Cancel** button to discard the changes made and return to the main page.

STEP 5: SECURE YOUR WIRELESS NETWORK

In order to protect your network from hackers and unauthorized users, it is highly recommended you choose one of the following wireless network security settings.

There are three levels of wireless security - Good Security, Better Security, or Best Security. The level you choose depends on the security features your wireless adapters support.

For information on which security features your wireless adapters support, please refer to the adapters' documentation.
Note: All wireless adapters currently support WPA

BEST : Select this option if your wireless adapters SUPPORT WPA2

BETTER : Select this option if your wireless adapters SUPPORT WPA

GOOD : Select this option if your wireless adapters DO NOT SUPPORT WPA

NONE : Select this option if your do not want to activate any security features

STEP 6: SET YOUR WIRELESS SECURITY PASSWORD

Once you have selected your security level - you will need to set a wireless security password. With this password, a unique security key will be generated.

2.4G Wireless Security Password :

5G Wireless Security Password :

Step 7: SETUP MYDLINK CLOUD SERVICES

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to register this device with a mydlink Cloud Services account.

Click the **Cancel** button to discard the changes made and return to the main page.

Click the **Connect** button to connect to the router.

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to register this device with a mydlink Cloud Services account.

Click the **Cancel** button to discard the changes made and return to the main page.

Click the **Skip** button to ignore this step and continue to the next page.

When select the ‘Yes, I have a mydlink™ account’

In this section, we can configure the following parameters.

E-mail Address (Account Name):Enter the e-mail address(account name)

Password:Enter the password.

Click the **Login** button to login in

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Next** button to login in this device with a mydlink Cloud Services account.

Click the **Cancel** button to discard the changes made and return to the main page

Click the **Skip** button to ignore this step and continue to the next page.

STEP 7: SETUP MYDLINK™ CLOUD SERVICES

The internet connection has now been established. If you would like to register this device with a mydlink™ Cloud Services account right now please click on "Next", otherwise click "Connect" to skip this step and complete the Setup Wizard.

Prev Next Cancel Connect

STEP 7: SETUP MYDLINK™ CLOUD SERVICES

To use the features of mydlink.com and the mydlink™ Lite app, you will need an account with mydlink.com . If you already have an account, select Yes, I have a mydlink™ account and click Next to register the router with mydlink.com . If you do not have an account, select No, I want to register and login with a new mydlink™ account and click Next to create an account. If you do not wish to sign up for the mydlink™ service, please click Cancel.

Do you have mydlink™ account?

- Yes, I have a mydlink™ account.
- No, I want to register and login with a new mydlink™ account.

Prev Next Cancel Skip

STEP 7: SETUP MYDLINK™ CLOUD SERVICES

E-mail Address (Account Name) :

Password :

Login

Prev Next Cancel Skip

When select the ‘No, I want to register and login with a new mydlink™ account.’”

In this section, we can configure the following parameters.

E-mail Address (Account Name):Enter the e-mail address(Account Name)

Password:Enter the password

Confirm Password :Enter the confirm passwor

First Name:Enter the first name

Last Name:Enter the last name

Click the **Sign up** button to sign in this device with a mydlink Cloud Services account.

Click the **Finish** button to complete setup the dualband wireless N750 Modem Router.

STEP 7: SETUP MYDLINK™ CLOUD SERVICES

Please fulfill the options to complete the registration

E-mail Address (Account Name) :

Password :

Confirm Password :

First Name :

Last Name :

I accept the [mydlink terms and conditions](#)

FINISH

Your Dualband Wireless N750 Modem Router is ready for use now. Congratulations! Your Dualband Wireless N750 Modem Router has been setup successfully and is now ready for use.

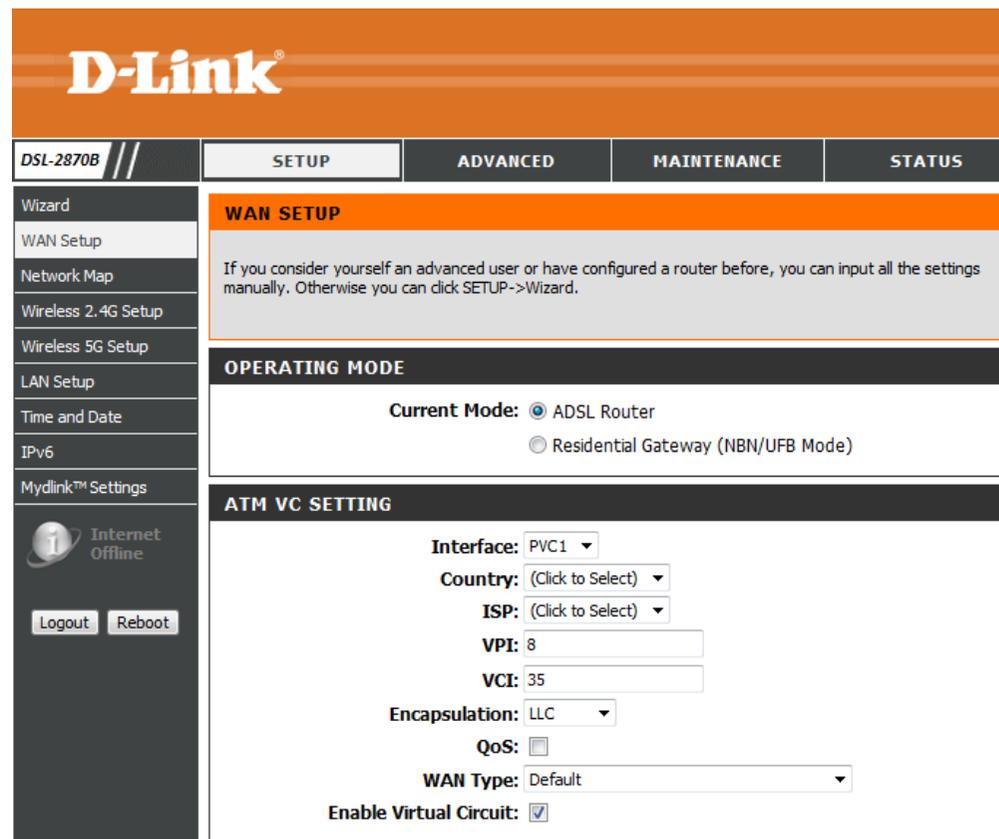
WAN Setup

To access the **WAN Setup** page, click on the **Setup** menu link, at the top, and then click on the **WAN Setup** menu link, on the left.

On this page, the user can configure services related to the WAN connectivity of this product.

Services available for configuration are the following:

- [Operating Mde](#)
- [ATM VC Setting](#)
- [WAN Setting](#)
- [WAN](#)



D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS

Wizard
WAN Setup
Network Map
Wireless 2.4G Setup
Wireless 5G Setup
LAN Setup
Time and Date
IPv6
Mydlink™ Settings

Internet Offline
Logout Reboot

WAN SETUP

If you consider yourself an advanced user or have configured a router before, you can input all the settings manually. Otherwise you can click SETUP->Wizard.

OPERATING MODE

Current Mode: ADSL Router
 Residential Gateway (NBN/UFB Mode)

ATM VC SETTING

Interface: PVC1
Country: (Click to Select)
ISP: (Click to Select)
VPI: 8
VCI: 35
Encapsulation: LLC
QoS:
WAN Type: Default
Enable Virtual Circuit:

Operating Mode

The current mode is ADSL Router or Residential Gateway (NBN/UFB Mode)

OPERATING MODE
Current Mode: ADSL Router
 Residential Gateway (NBN/UFB Mode)

ATM VC SETTING

In this section, we can configure the following parameters.

Interface: Select the ATM VC setting interface.

Country: In this drop-down menu, the user can select one of two country options. They are **Australia** and **New Zealand**. To manually configure this connection, the user can choose the third option called **Other**.

ISP: Select the ISP.

VPI: Enter the VPI values.

VCI: Enter the VCI values.

Encapsulation: Select the encapsulation mode.

QoS: Enable the QoS

WAN Type: Select the WAN type.

Enable Virtual Circuit: Enable the virtual circuit.

ATM VC SETTING
Interface: PVC1 ▾
Country: (Click to Select) ▾
ISP: (Click to Select) ▾
VPI: 8
VCI: 35
Encapsulation: LLC ▾
QoS:
WAN Type: Default ▾
Enable Virtual Circuit:

WAN SETTINGS

In the **WAN Setting** section, options to choose from are **Dynamic IP Address**, **Static IP Address**, **PPPoE**, **PPPoA** and **Bridge Mode**.

WAN SETTINGS

Configure your DSL connection here. Please consider the information of your provider on the settings otherwise it may not be possible to establish a connection.

- Dynamic IP Address Choose this option to obtain an IP address automatically from your ISP. (For most Cable modem users)
- Static IP Address Choose this option to set static IP information provided to you by your ISP.
- PPPoE Choose this option if your ISP uses PPPoE. (For most DSL users)
- PPPoA Choose this option if your ISP uses PPPoA. (For most DSL users)
- Bridge Mode Choose this option if your ISP uses Bridge.

WAN

In this section, we can configure the following parameters.

Username: Enter the username.

Password: Enter the password

Confirm Password: Enter the confirm password

Service Name: Enter the service name.

AC name: Enter the AC name.

IP Control: Select the IP control.

Static IP Address: Enter the static IP address.

MTU: Enter the MTU

Auto DNS: Select this option to enable or disable the Auto DNS option

NAT: Select this option to enable or disable the NAT option

Firewall: Select this option enable or disable the firewall for this interface.

Default Route: Select this option enable or disable the default route for this interface.

Enable PPPoE Passthrough: Select this option enable or disable the enable PPPoE passthrough for this interface.

Enable IPv6 Passthrough: Select this option enable or disable the enable IPv6 passthrough for this interface.

Connect Mode Select: Select the connect mode, options to choose from are Always-on, Manual and Connect –on demand.

Maximun Idle Time: Enter the maximun Idle time

Sevice Category: Select the service category.

After clicking the **Apply** button, the Configuration page will be available.

WAN

Username: admin

Password: •••••

Confirm Password: •••••

Service Name: (optional)

AC name: (optional)

IP Control: Dynamic IP Address ▾

Static IP Address:

MTU: 1492

Auto DNS:

NAT:

Firewall:

Default Route:

Enable PPPoE Passthrough:

Enable IPv6 Passthrough:

Connect Mode Select: Always-on
 Manual
 Connect-on demand

Maximum Idle Time: 5 Minutes

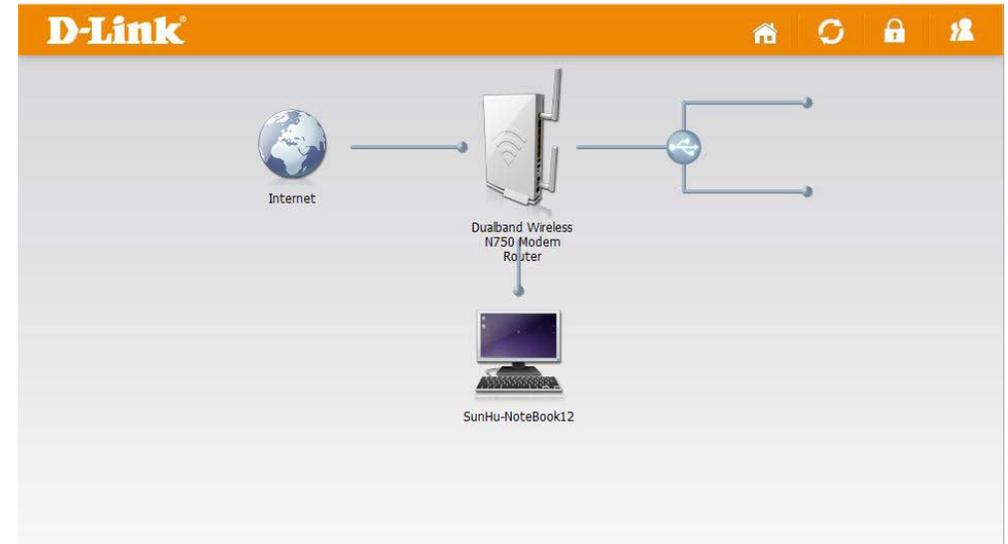
Service Category: UBR ▾

Apply

Network Map

To access the **Network Map** page, click on the **Setup** menu link, at the top, and then click on the **Network Map** menu link, on the left.

On this page the user can easily manage device setting and view all connected devices within network, and the user can configure the URL filter, schedules and wireless security etc. such as router information, network devices' IP address and MAC address. With graphics and easy-to-understand user interface.



Click router icon, the router configuration page will be pop-up.

In this section, we can view the information of this router, and configure wireless setting and wireless security.

Click **Backup Configuration** button to backup configuration of router to local PC.



Click **Wireless Setting** button, the Wireless Setting page will be pop-up.

In the section, we can enable or disable 2.4GHz/5GHz wireless, and configure wireless SSID for this router.

Click **Apply** button to commit the configuration.

Click **Back** button to return to router information page.



Click **Wireless Security Setting**, The Wireless Security page will be pop-up.

In the section, we can configure 2.4GHz or 5GHz wireless security.

Click **Apply** button to commit the configuration.

Click **Back** button to return to router information page.



Click client icon, The client configuration page will be pop-up.

In the section, we can view information of the client, and the user can block internet access, configure the URL filter and schedule.

Click **Block Internet Access** button, “Are you sure want to block this device?” dialog will be pop-up.



Click **URL Filter** icon, The URL Filter configuration page will be pop-up.

In the section, we can view URL filter list, and the user can add or delete the URL filter.

Enable: Enable or disable URL filter function for this router.

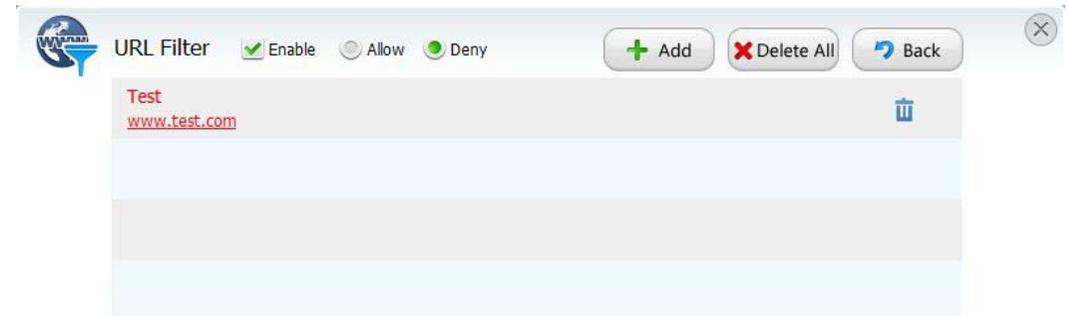
Allow: To set up a list of allowed web sites.

Deny: To set up a list of denied web sites.

Click **Add** button to add a URL filter for the client.

Click **Delete All** button to delete all URL filter from the list.

Click **Back** button to return to client information page



Click **Schedules** icon, The Schedules configuration page will be pop-up.

In the section, we can configure schedules for this router.

Enable: Enable or disable Schedules function for this router.

Allow: To set up a list of allowed web sites.

Deny: To set up a list of denied web sites.

Click **Apply** button to commit the configuration.

Click **Clear All** button to clear all of the timeframes.

Click **Back** button to return to client information page.



Wireless 2.4G Setup

To access the **Wireless 2.4G Setup** page, click on the **Setup** menu link, at the top, and then click on the **Wireless 2.4G Setup** menu link, on the left.

On this page the user can configure services related to the Wireless 2.4GHz connectivity of this product.

Services available for configuration are the following:

- [Add Wireless Device with WPS](#)
- [Wireless Setting](#)
- [WPA Setting](#)

The screenshot displays the D-Link web management interface for the DSL-2870B. The top navigation bar includes the D-Link logo and tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar contains a menu with options like Wizard, WAN Setup, Network Map, Wireless 2.4G Setup, Wireless 5G Setup, LAN Setup, Time and Date, IPv6, Mylink™ Settings, Internet Offline, Logout, and Reboot. The main content area is titled 'Wireless 2.4G Setup' and features a 'WIZARD' section for adding wireless devices with WPS, a 'WI-FI PROTECTED SETUP' section with fields for 'Enable', 'Current PIN', and 'Wi-Fi Protected Status', and a 'WIRELESS SETTING' section with options for 'Wireless Mode', 'Enable Multiple SSIDs', 'SSID / Network Name', 'Enable Access Point', and 'Disable SSID / Network Name Broadcast'. The right sidebar contains 'Helpful Hints...' and 'More...'.

Add Wireless Device with WPS

The Wireless Device, with WPS, Wizard is designed to assist the user in configuring a connection between this router and a wireless client by means of the WPS wireless connection method.

In this section, we can configure the following parameters.

Enable: Tick this option to enable the WPS feature.

Disable WPS-PIN Method: Tick this option to disable the WPS-PIN Method.

Current PIN: Here a PIN number will be displayed that we can use for the WPS connection. To generate a new PIN number, click on the **Generate New PIN** button. To reset this option, click on the **Reset PIN to default** button.

Wi-Fi Protected Status: Here the Wi-Fi Protected Status will be displayed. By default, this option is 'Configured'. To reset this option to 'Unconfigured', click on the **Reset to Unconfigured** button.

Click the **Add Wireless Device with WPS** button to initiate the wizard.

After click the **Add Wireless Device with WPS** button, the following page will be available.

PIN: Enter its PIN number below to add this device to your wireless network.

Virtual Push Button: If the wireless device you are adding to your wireless network has both options available, you may use the Virtual Push Button if you prefer.

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 "Add Wireless Device with WPS" button below to begin.

WI-FI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA)

Enable :

Current PIN : 61183537

Generate New PIN Reset PIN to default

Wi-Fi Protected Status : Configured

Reset to Unconfigured

Add Wireless Device with WPS

ADD WIRELESS DEVICE WITH WPS

There are two ways to add wireless device to your wireless network: PIN number or Push Button.

If the wireless device you are adding to your wireless network only comes with a PIN number, enter its PIN number below to add this device to your wireless network.

PIN : Connect

If the wireless device you are adding to your wireless network has both options available, you may use the Virtual Push Button if you prefer.

PUSH BUTTON :

(The Virtual Push Button acts the same as the physical Push Button on the router)

Enter the current PIN, click the **Connect** button, this page will be available.

USING PIN NUMBER

Please start WPS on the wireless device you are adding to your wireless network within **118** seconds...

Click the **Continue** button to continue

ADD WIRELESS DEVICE WITH WPS

You failed to add the wireless device to your wireless network within the given timeframe, please click on the button below to do it again.

After clicking the **Virtual Push Button** button, this page will be available.

VIRTUAL PUSH BUTTON

Please press down the Push Button (physical or virtual) on the wireless device you are adding to your wireless network within **118** seconds...

Click the **Continue** button to continue

ADD WIRELESS DEVICE WITH WPS

You failed to add the wireless device to your wireless network within the given timeframe, please click on the button below to do it again.

Wireless SETTING

If your wireless adapter doesn't support the WPS connection methods, we can configure the Wireless Connection manually here.

In this section, we can configure the following parameters.

Wireless Mode: This router supports three wireless mode options available. They are Disable Always-on and Schedule.

Enable Multiple SSIDs: Select this option enable or disable the enable multiple SSIDs for this interface.

SSID/Network Name: Enter the Wireless name (SSID) here. This name will be available when wireless clients scan for available wireless networks.

Enable Access Point: Select this option enable or disable the enable access point for this interface.

Disable SSID/Network Name Broadcast: Select this option enable or disable SSID/Network Name Broadcast for this interface.

Country: Select your country from the drop-down menu here.

Channel: Here we can select a wireless channel manually, or select the **Auto** option to allow the router to automatically select the channel with the least interference.

Security: This router supports five wireless security mode options available in the **Security** drop-down menu. Options to choose from are **None, WEP, WPA, WPA2** and **WPA/WPA2**.

Cipher Type: Option to choose from are TKIP, AES and TKIP+AES.

Group Key Update Interval: Enter the group key update interval value here.

WIRELESS SETTING

Wireless Mode : Disable Always-on Schedule

Enable Multiple SSIDs :

SSID / Network Name : dlink-2870B-z

Enable Access Point :

Disable SSID / Network Name Broadcast :

Country : AUSTRALIA

Channel : Auto Scan (recommended) (Current: CH)

Security : WPA2

Cipher Type : TKIP+AES

Group Key Interval : 3600

WPA SETTING

In this section, we can configure the following parameters.

WPA type: Options to choose from are **802.1x** and **PSK string**.

PSK string: Enter the PSK string

WPA SETTING

WPA type : 802.1x PSK string

PSK string : adminadmin

Click the **Apply** button to accept the changes.

Wireless 5G Setup

To access the **Wireless 5G Setup** page, click on the **Setup** menu link, at the top, and then click on the **Wireless 5G Setup** menu link, on the left.

On this page the user can configure services related to the Wireless 5GHz connectivity of this product.

Services available for configuration are the following:

- [Add Wireless Device with WPS](#)
- [Wireless Setting](#)
- [WPA Setting](#)

The screenshot displays the D-Link web interface for the DSL-2870B router. The top navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Wireless 5G Setup' selected. The main content area is titled 'ADD WIRELESS DEVICE WITH WPS(WI-FI PROTECTED SETUP) WIZARD' and contains instructions for connecting a wireless device. Below this, the 'WI-FI PROTECTED SETUP (ALSO CALLED WPA 2.0 IN WINDOWS VISTA)' section shows 'Enable' checked, 'Current PIN: 61183537', and buttons for 'Generate New PIN' and 'Reset PIN to default'. The 'Wi-Fi Protected Status' is 'Configured', with buttons for 'Reset to Unconfigured' and 'Add Wireless Device with WPS'. The 'WIRELESS SETTING' section includes 'Wireless Mode' (Always-on selected), 'Enable Multiple SSIDs' (unchecked), 'SSID / Network Name' (dlink-2870B5G-z), 'Enable Access Point' (checked), and 'Disable SSID / Network Name Broadcast' (unchecked). A 'Helpful Hints...' sidebar on the right provides additional information about SSID security.

Add Wireless Device with WPS

The Wireless Device, with WPS, Wizard is designed to assist the user in configuring a connection between this router and a wireless client by means of the WPS wireless connection method.

In this section we can configure the following parameters.

Enable: Tick this option to enable the WPS feature.

Disable WPS-PIN Method: Tick this option to disable the WPS-PIN Method.

Current PIN: Here a PIN number will be displayed that we can use for the WPS connection. To generate a new PIN number, click on the **Generate New PIN** button. To reset this option, click on the **Reset PIN to default** button.

Wi-Fi Protected Status: Here the Wi-Fi Protected Status will be displayed. By default, this option is 'Configured'. To reset this option to 'Unconfigured', click on the **Reset to Unconfigured** button.

Click the **Add Wireless Device with WPS** button to initiate the wizard.

After click the **Add Wireless Device with WPS** button, the following page will be available.

PIN: Enter its PIN number below to add this device to your wireless network.

Virtual Push Button: If the wireless device you are adding to your wireless network has both options available, you may use the Virtual Push Button if you prefer.

Enter the current PIN; click the **Connect** button, this page will be available.

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 "Add Wireless Device with WPS" button below to begin.

WI-FI PROTECTED SETUP (ALSO CALLED WCN 2.0 IN WINDOWS VISTA)

Enable :

Current PIN : **61183537**

Generate New PIN Reset PIN to default

Wi-Fi Protected Status : Configured

Reset to Unconfigured

Add Wireless Device with WPS

ADD WIRELESS DEVICE WITH WPS

There are two ways to add wireless device to your wireless network: PIN number or Push Button.

If the wireless device you are adding to your wireless network only comes with a PIN number, enter its PIN number below to add this device to your wireless network.

PIN : Connect

If the wireless device you are adding to your wireless network has both options available, you may use the Virtual Push Button if you prefer.

PUSH BUTTON : Virtual Push Button

(The Virtual Push Button acts the same as the physical Push Button on the router)

USING PIN NUMBER

Please start WPS on the wireless device you are adding to your wireless network within 118 seconds...

Click the **Continue** button to continue

ADD WIRELESS DEVICE WITH WPS

You failed to add the wireless device to your wireless network within the given timeframe, please click on the button below to do it again.

continue

After clicking the **Virtual Push** button, this page will be available

VIRTUAL PUSH BUTTON

Please press down the Push Button (physical or virtual) on the wireless device you are adding to your wireless network within 118 seconds...

Click the **Continue** button to continue

ADD WIRELESS DEVICE WITH WPS

You failed to add the wireless device to your wireless network within the given timeframe, please click on the button below to do it again.

continue

Wireless SETTING

If your wireless adapter doesn't support the WPS connection methods, we can configure the Wireless Connection manually here.

In this section we can configure the following parameters.

Wireless Mode: This router supports three wireless mode options available. They are Disable Always-on and Schedule.

Enable Multiple SSIDs: Select this option enable or disable the enable multiple SSIDs for this interface.

SSID/Network Name: Enter the Wireless name (SSID) here. This name will be available when wireless clients scan for available wireless networks.

Enable Access Point: Select this option enable or disable the enable access point for this interface.

Disable SSID/Network Name Broadcast: Select this option enable or disable SSID/Network Name Broadcast for this interface.

Country: Select your country from the drop-down menu here.

Channel: Here we can select a wireless channel manually, or select the **Auto** option to allow the router to automatically select the channel with the least interference.

Security: This router supports five wireless security mode options available in the **Security** drop-down menu. Options to choose from are **None, WEP, WPA, WPA2** and **WPA/WPA2**.

Cipher Type: Option to choose from are TKIP, AES and TKIP+AES.

Group Key Update Interval: Enter the group key update interval value here.

WPA SETTING

In this section we can configure the following parameters.

WPA type: Options to choose from are **802.1x** and **PSK string**.

PSK string: Enter the PSK string

Click the **Apply** button to accept the changes.

WIRELESS SETTING

Wireless Mode : Disable Always-on Schedule

Enable Multiple SSIDs :

SSID / Network Name :

Enable Access Point :

Disable SSID / Network Name Broadcast :

Country :

Channel : (Current: CH)

Security :

Cipher Type :

Group Key Interval :

WPA SETTING

WPA type : 802.1x PSK string

PSK string :

LAN Setup

To access the **LAN Setup** page, click on the **Setup** menu link, at the top, and then click on the **LAN Setup** menu link, on the left.

On this page the user can configure services related to the LAN Setup connectivity of this product. Services available for configuration are IP Settings Interface configuration DHCP Server and Add Static IP Address configuration.

The screenshot displays the D-Link web interface for LAN Setup. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'LAN Setup' selected. The main content area is titled 'LAN SETUP' and contains an introductory paragraph. Below this is the 'IP SETTINGS' section, which includes a warning about rebooting and configuration fields for IP Address (192.168.1.1) and Subnet Mask (255.255.255.0). There are also checkboxes for 'Advanced Settings' and 'IGMP Snooping', and radio buttons for 'Snooping Mode' (Standard and Blocking). An 'Apply' button is located at the bottom of the settings area. A 'Helpful Hints..' sidebar on the right provides additional information about LAN IP settings.

In this section, we can configure the IP Settings parameters.

Advanced Settings: Select this option to enable the Advanced Settings option.

IP Address: Enter the local IP address for this router here. The IP address is also used to connect to this device's Web User Interface. **Please note** that after changing the IP address you will be forced to log into the Web User Interface again, using the new IP address.

Subnet Mask: Enter the subnet mask used here.

IGMP Snooping: Select this option to enable the IGMP snooping option.

Snooping Mode: Options to choose from are Standard and Blocking.

Click the **Apply** button to accept the changes.

IP SETTINGS

Please enter an IP Address for your Dualband Wireless N750 Modem Router. Attention! Afterwards, the device is only accessible under this new IP address.

Setting changes may require a reboot to take effect.

Advanced Settings :

IP Address :

Subnet Mask :

IGMP Snooping :

Snooping Mode : Standard Blocking

In this section we can configure the DHCP Server parameters.

DHCP Server: Options to choose from are Disable, Enable and Relay.

Start IP Address: Enter the start IP address.

End IP Address: Enter the end IP address

Lease Time: Set the lease time.

WAN DHCP Server IP Address: Enter the WAN DHCP server IP address.

Click the **Apply** button to accept the changes.

DHCP SERVER

DHCP Server : Disabled Enable Relay

Start IP Address :

End IP Address :

Lease Time : 1 Day seconds

WAN DHCP Server IP Address :

In this section, we can configure the ADD Static IP Address parameters.

MAC Address: Enter the MAC address.

IP Address: Enter the IP address.

Click the **Apply** button to accept the changes.

ADD STATIC IP ADDRESS

MAC Address :

IP Address :

Time and Date

To access the **Time and Date** page, click on the **Setup** menu link, at the top, and then click on the **Time and Date** menu link, on the left.

On this page, the user can configure services related to the time and date feature of this product.

Time Servers and a Time Zone can be specified here.

The screenshot shows the D-Link router's web interface. At the top, the D-Link logo is displayed. Below it, a navigation bar contains tabs for 'DSL-2870B //', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'SETUP' tab is active. On the left side, a sidebar menu lists various configuration options: Wizard, WAN Setup, Network Map, Wireless 2.4G Setup, Wireless 5G Setup, LAN Setup, Time and Date (highlighted), IPv6, Mylink™ Settings, and Internet Offline. The main content area is titled 'TIME' and contains a description of the Time Configuration option. Below this, the 'TIME SETTINGS' section is visible, showing the following configuration: 'Time and Date' is set to 01/01/1970 02:30:34; 'Auto Update' is checked; 'Time Zone' is set to (GMT+10:00) Canberra, Melbourne, Sydney; 'Daylight Saving Settings' is checked; 'Primary NTP Server' is ntp1.dlink.com; 'Secondary NTP Server' is pool.ntp.org; and 'Time Update Interval' is 3600 seconds. An 'Apply' button is located at the bottom of the settings section. On the right side, there is a 'Helpful Hints..' section with text explaining the importance of correct time and date settings and a 'More...' link.

In this section, we can configure the **Time Settings** for this router.

Time and Date: Display the time and date.

Auto Update: Tick this option to enable the auto update feature.

Time Zone: Select the time zone.

Daylight Saving Settings: Select this option to enable the Daylight Saving Settings option.

Primary NTP Server: Select the primary NTP server.

Secondary NTP Server: Select the secondary NTP server.

Time Update Interval: Enter the time update interval.

Click the **Apply** button to accept the changes.

TIME SETTINGS

Time and Date: 01/01/1970 02:30:34

Auto Update:

Time Zone: (GMT+10:00) Canberra, Melbourne, Sydney

Daylight Saving Settings:

Primary NTP Server : ntp1.dlink.com

Secondary NTP Server : pool.ntp.org

Time Update Interval : 3600 (seconds)

Apply

In this section we can manually configure the time and date settings used by this router. Manually select the **Year, Month, Day, Hour, Minute, and Second** option here.

Alternatively we can copy the local computer's time and date settings to this router by simply clicking on the **Copy Your Computer's Time Settings** button.

Click the **Apply/Save** button to accept the changes made.

Click the **Cancel** button to discard the changes made and return to the main page.

SET THE TIME AND DATE MANUALLY

Year : 1970 Month : 01 Day : 01

Hour : 02 Minute : 30 Second : 34

Copy Your Computer's Time Settings

Apply

IPv6

To access the **IPv6** page, click on the **Setup** menu link, at the top, and then click on the **IPv6** menu link, on the left.

On this page, the user can configure services related to the IPv6 connectivity of this product.

The screenshot shows the D-Link web interface for the DSL-2870B. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains a menu with 'Wizard', 'WAN Setup', 'Network Map', 'Wireless 2.4G Setup', 'Wireless 5G Setup', 'LAN Setup', 'Time and Date', 'IPv6', 'Mydlink™ Settings', 'Internet OffTime', 'Logout', and 'Reboot'. The main content area is titled 'IPv6' and contains the following sections:

- IPv6**: A header section with a description: "Use this section to configure your Internet Connection type. There are several connection types to choose. If you are unsure of your connection method, please contact your Internet Service Provider."
- IPv6 CONNECTION TYPE**: A section with the instruction "Choose the mode to be used by the router to the IPv6 Internet." It contains two dropdown menus: "My IPv6 Interface is : PVC1" and "My IPv6 Connection is : Link-local only".
- LAN IPv6 ADDRESS SETTINGS**: A section with the instruction "Use this section to configure the internal network settings of your router." It contains a text field: "LAN IPv6 Link-Local Address : /64".
- An **Apply** button.
- A **Note**: "Setting changes may require a reboot to take effect."

In this section we can enter the **My IPv6 Interface is** and **My IPv6 Connection is** used here.

This is a close-up of the 'IPv6 CONNECTION TYPE' section from the screenshot above. It shows the instruction "Choose the mode to be used by the router to the IPv6 Internet." and the two dropdown menus: "My IPv6 Interface is : PVC1" and "My IPv6 Connection is : Link-local only".

Use this section to configure the internal network settings of your router.

Click the **Apply** button to accept the changes.

LAN IPV6 ADDRESS SETTINGS

Use this section to configure the internal network settings of your router.

LAN IPv6 Link-Local Address : /64

Apply

Note: Setting changes may require a reboot to take effect.

Mydlink™ Settings

To access the **mydlink™ Settings** page, click on the **Setup** menu link, at the top, and then click on the **mydlink™ Settings** menu link, on the left.

On this page, the user can register mydlink service.

The screenshot displays the D-Link router's web interface. At the top, the D-Link logo is prominent. Below it, a navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. On the left, a sidebar menu lists various configuration options, with 'Mydlink™ Settings' highlighted. The main content area, titled 'MYDLINK™ SETTINGS', provides information about Mydlink Cloud Services™, including a description of remote device management and a 'Register mydlink Service' button. A note indicates that setting changes may require a reboot. A 'Helpful Hints...' section on the right offers additional guidance.

Click the **Register mydlink Service** button to register mydlink service.

The screenshot shows the 'MYDLINK REGISTRATION' page. It begins with an introductory paragraph explaining the need for a mydlink.com account to utilize Mydlink features and provides instructions for both existing and new users. Below this text is a registration form titled 'Do you have mydlink™ account?' which contains two radio button options: 'Yes, I have a mydlink™ account.' and 'No, I want to register and login with a new mydlink™ account.' At the bottom of the form, there are 'Next' and 'Cancel' buttons.

Select the "Yes, I have a mydlink™ account", click **next** button, this page will be available

In this section, we can configure the following parameters.

E-mail Address (Account Name): Enter the account name.

Password: Enter the password.

Click the **Prev** button to discard the changes made and return to the previous page.

Click the **Login** button to login in

Click the **Cancel** button to discard the changes made and return to the main page

The screenshot shows a web form titled "MYDLINK REGISTRATION" with an orange header. The form contains two input fields: "E-mail Address (Account Name) :" and "Password :". Below the input fields are three buttons: "Prev", "Login", and "Cancel".

Advanced Category

The **Advanced** category is designed to assist the user with more advanced configurations, concerning the other features found on this product.

The following pages can be found in the **Advanced** category:

- [Virtual Server](#)– On this page the user can configure advanced services related to the Virtual Server connectivity of this product.
- [DNS](#)– On this page the user can configure advanced services related to the DNS connectivity of this product.
- [Dynamic DNS](#)– On this page the user can configure services related to the Dynamic DNS feature of this product.
- [Port Trigger](#) – On this page the user can configure services related to the port trigger feature of this product.
- [IP&MAC Filtering](#)– On this page the user can configure services related to the IP&MAC filtering feature of this product.
- [Parental Control](#) – On this page the user can configure services related to the parental control feature of this product. Services available for configuration are URL Blocking and Domain Blocking.
- [Firewall](#)– On this page the user can configure services related to the firewall feature of this product.
- [DMZ](#) – On this page the user can configure services related to the DMZ feature of this product.
- [RIP](#)– On this page the user can configure services related to the RIP feature of this product.
- [IGMP](#)– On this page the user can configure IGMP related to the port triggering feature of this product.
- [QoS](#)– On this page the user can configure services related to the QoS feature of this product.
- [WLAN 2.4G Advanced Settings](#)– On this page the user can configure services related to the WLAN 2.4G Advanced Settings feature of this product.
- [WLAN 5G Advanced Settings](#)– On this page the user can configure services related to the WLAN 5G Advanced Settings feature of this product.
- [Routing](#) – On this page the user can configure services related to the Routing feature of this product. Services available for configuration is **Static Route**, **Default Gateway**, and **RIP**.
- [SNMP](#)– On this page the user can configure services related to the SNMP feature of this product.

The screenshot shows the D-Link DSL-2870B Advanced configuration interface. The top navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'ADVANCED' tab is selected, and the 'VIRTUAL SERVER' sub-tab is active. A sidebar on the left lists various configuration options, with 'Virtual Server' highlighted. The main content area displays the 'VIRTUAL SERVER' configuration page, which includes a description: 'This is the ability to open ports in your router and re-direct data through those ports to a single PC on your link local network.' Below this is the 'ADD VIRTUAL SERVER RULES' section, which contains a checkbox for 'Enable Virtual Server Rules', a 'Name' input field, an 'Interface' dropdown menu (set to 'WAN1'), 'Internal IP', 'Internal Start Port', 'Internal End Port', 'External Start Port', 'External End Port' input fields, and a 'Protocol Type' dropdown menu (set to 'TCP'). At the bottom, there is a 'Time' section with radio buttons for 'Disable' (selected) and 'Enable'.

- [UPnP](#)– On this page the user can configure services related to the UPnP available on this product, include UpnP IGD and UpnP AV functions.
- [Samba](#) – On this page the user can configure services related to the Samba connectivity of this product.
- [DSL Line Settings](#)– On this page the user can configure services related to the DSL Line Settings feature of this product.
- [URL Redirect](#)– On this page the user can configure services related to the URL Redirect feature of this product.
- [ALG Setting](#)– On this page the user can configure services related to the ALG Setting feature of this product.
- [Budget Quota](#)– On this page the user can configure services related to the Budget Quota feature of this product.

Virtual Server

To access the **Virtual Server** page, click on the **Advanced** menu link, at the top, and then click on the **Virtual Server** menu link, on the left.

On this page the user can configure advanced services related to the Virtual Server connectivity of this product.

Services available for configuration are the following:

- [Add Virtual Server Rules](#)

The screenshot displays the D-Link web interface for configuring Virtual Server rules. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Virtual Server' selected. The main content area is titled 'VIRTUAL SERVER' and contains a description: 'This is the ability to open ports in your router and re-direct data through those ports to a single PC on your link local network.' Below this is the 'ADD VIRTUAL SERVER RULES' section, which includes a checkbox for 'Enable Virtual Server Rules', a 'Name' text field, an 'Interface' dropdown menu (set to 'WAN1'), 'Internal IP', 'Internal Start Port', 'Internal End Port', 'External Start Port', 'External End Port' text fields, a 'Protocol Type' dropdown menu (set to 'TCP'), and a 'Time' section with radio buttons for 'Disable' and 'Enable'. A 'Helpful Hints...' sidebar on the right provides additional information: 'A Virtual Server is defined as service port. All requests to this port of your external IP address are forwarded to a certain internal IP address, e.g. requests via FTP oder POP3.' and a 'More...' link.

Add Virtual Server Rules

In this section, we can configure the following parameters.

Enable Virtual Server Rules: Select this option to enable the Daylight Saving Settings option.

Name: Enter the account name.

Interface: Select the interface. Options to choose from are **WAN1**, **WAN2**, **WAN3**, **WAN4**, **WAN5**, **WAN6**, **WAN7** and **WAN8**.

Internal IP: Enter the internal IP

Internal Start Port: Enter the internal start port.

Internal End Port: Enter the internal end port.

External Start Port: Enter the external start port.

External End Port: Enter the external end port.

Protocol Type: Select the protocol type. Options to choose from are **Both**, **TCP** and **UDP**.

Time: Select this option to enable or disable the time option.

End Time: Set the end time.

Begin Day: Set the begin day

End Day: Set the end day.

Click the **Apply** button to accept the changes.

ADD VIRTUAL SERVER RULES

Enable Virtual Server Rules :

Name :

Interface : WAN1 ▾

Internal IP :

Internal Start Port :

Internal End Port :

External Start Port :

External End Port :

Protocol Type : TCP ▾

Time : Disable Enable

Begin Time : 00 ▾ : 00 ▾

End Time : 00 ▾ : 00 ▾

Begin Day : Sun ▾

End Day : Sun ▾

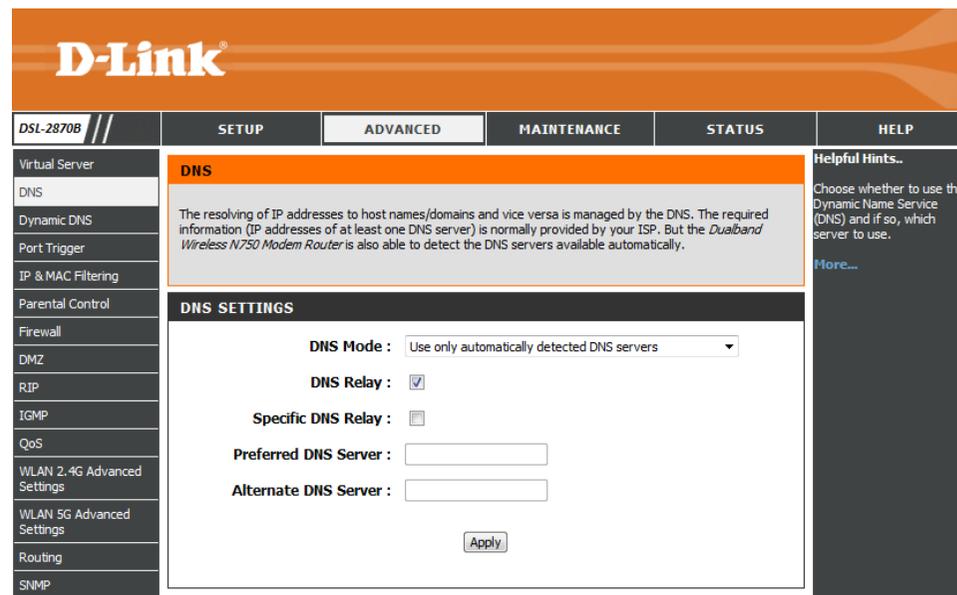
DNS

To access the **DNS** page, click on the **Advanced** menu link, at the top, and then click on the **DNS** menu link, on the left.

On this page the user can configure advanced services related to the DNS connectivity of this product.

Services available for configuration are the following:

- [DNS Settings](#)



DNS Settings

In this section, we can configure the following parameters.

DNS Mode: Select the DNS Mode. Options to choose from are **Disable DNS, Use Auto/User Discovered DNS servers, Use only automatically detected DNS servers, Use only manually specified DNS servers.**

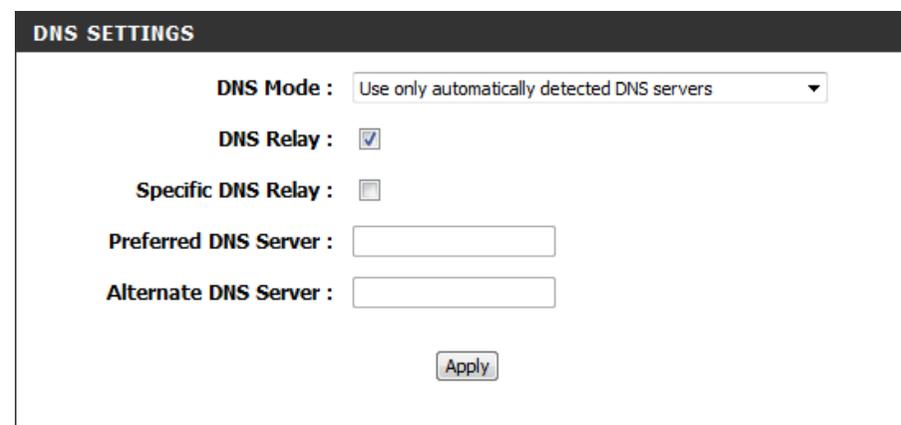
DNS Relay: Select this option to enable the DNS relay option.

Specific DNS Relay: Select this option to enable the specific DNS relay option.

Preferred DNS Server: Enter the preferred DNS server.

Alternate DNS Server: Enter the alternate DNS server.

Click the **Apply** button to accept the changes.



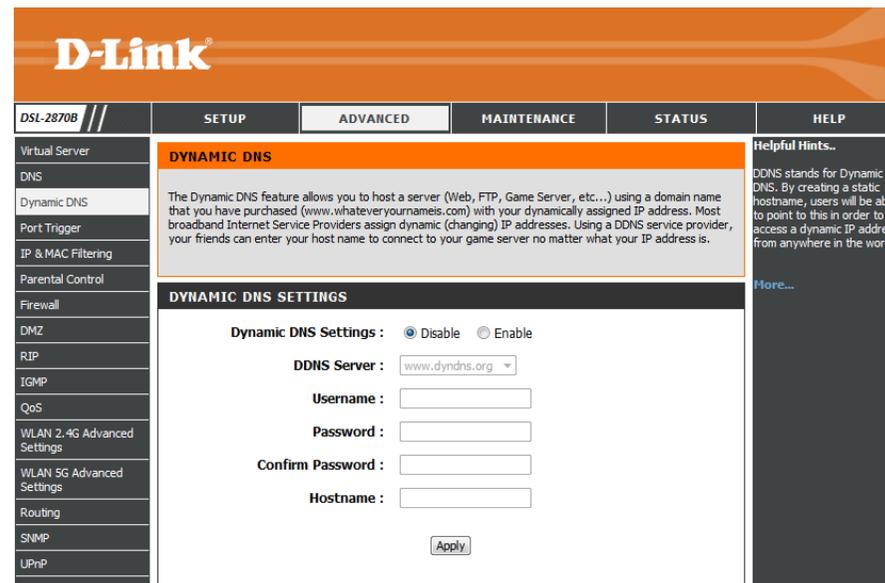
Dynamic DNS

To access the **Dynamic DNS** page, click on the **Advanced** menu link, at the top, and then click on the **Dynamic DNS** menu link, on the left.

On this page, the user can configure services related to the Dynamic DNS feature of this product.

Services available for configuration are the following:

- [Dynamic DNS Settings](#)



Dynamic DNS Settings

In this section, we can configure the following parameters.

Dynamic DNS Settings: Select this option to enable or disable the Dynamic DNS Settings option.

DDNS Server: Enter the DDNS server

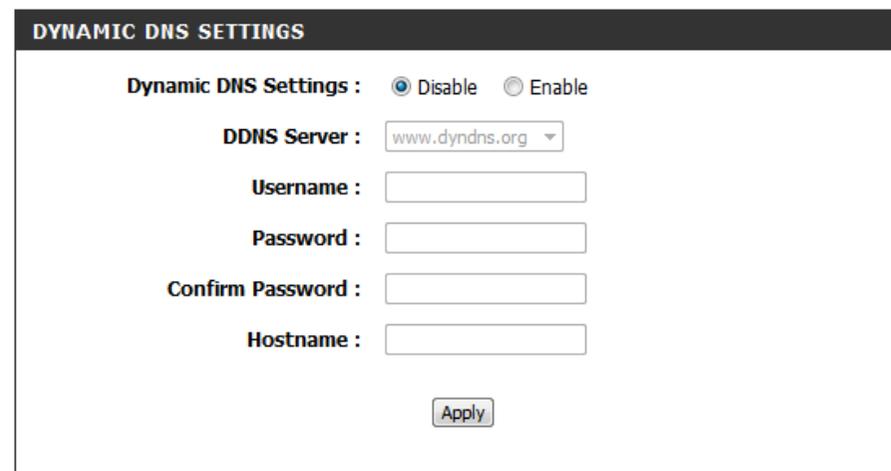
Username: Enter the username.

Password: Enter the password

Confirm Password: Enter the confirm password.

Hostname: Enter the hostname.

Click the **Apply** button to accept the changes.



Port Triggering

To access the **Port Triggering** page, click on the **Advanced** menu link, at the top, and then click on the **Port Triggering** menu link, on the left.

On this page, the user can configure services related to the port triggering feature of this product.

Services available for configuration are the following:

- [Port Trigger](#)

The screenshot displays the D-Link web interface for the DSL-2870B. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Port Trigger' highlighted. The main content area is titled 'PORT TRIGGER' and contains the following configuration options:

- Enable Port Trigger :** Disabled Enabled
- Name :**
- Trigger Port :**
- Trigger Traffic Protocol Type :** All Protocol (dropdown)
- Public Port :**
- Public Traffic Protocol Type :** All Protocol (dropdown)

An 'Apply' button is located at the bottom of the configuration area. A red note at the bottom states: 'Note: Setting changes may require a reboot to take effect.'

On the right side, there is a 'Helpful Hints...' section with the following text: 'The Port Trigger allows you to do port forwarding, but only have the ports open when data flowing out of the trigger ports. When a program sends data out on outgoing ports called trigger ports, the device then allows incoming data on the open ports specified in your port triggering configuration.' A 'More...' link is also present.

Port Trigger

In this section we can configure the following parameters.

Enable Port Trigger: Select this option to enable or disable the enable port trigger option.

Name: Enter the name here.

Trigger Port: Enter the trigger port number here.

Trigger Traffic Protocol Type: Select the trigger traffic protocol type used here.
Options to choose from are **All Protocol**, **TCP**, and **UDP**.

Public Port: Enter the public port here.

Public Traffic Protocol Type: Select the public traffic protocol type used here.
Options to choose from are **All Protocol**, **TCP**, and **UDP**.

Click the **Apply** button to accept the changes made.

PORT TRIGGER

Enable Port Trigger : Disabled Enabled

Name :

Trigger Port :

Trigger Traffic Protocol Type : All Protocol ▼

Public Port :

Public Traffic Protocol Type : All Protocol ▼

IP&MAC Filtering

To access the **IP&MAC Filtering** page, click on the **Advanced** menu link, at the top, and then click on the **IP&MAC Filtering** menu link, on the left.

On this page the user can configure services related to the IP&MAC Filtering feature of this product.

Services available for configuration are the following:

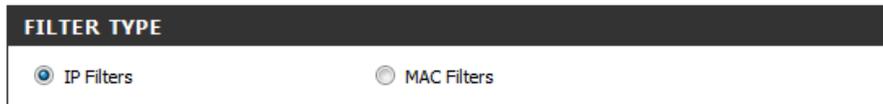
- [Filter Type](#)
- [IP Filter Type](#)
- [Add Filter](#)

The screenshot shows the D-Link DSL-2870B web interface. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'IP & MAC Filtering' selected. The main content area is titled 'FILTER' and contains the following sections:

- Helpful Hints..**: Give each rule a Name that is meaningful to you. Each rule can Deny outgoing traffic from the LAN. Click the Add/Apply button to store a finished rule in the Rules List. Click the Remove checkbox in the Rules List then click on the Remove button to permanently remove a rule. [More...](#)
- FILTER**: By default, all outgoing IP traffic from the LAN is allowed. The filter allows you to create a filter rule to block outgoing IP traffic by specifying a filter name and at least one condition below. All of the specified conditions in this filter rule must be satisfied for the rule to take effect.
- FILTER TYPE**: IP Filters MAC Filters
- IP FILTER TYPE**: IPv4 Filter IPv6 Filter
- ADD FILTER**:
 - Enable IP Filters :
 - Name :
 - Protocol : Any
 - Source IP Address : interface: LAN1 Any IP address

Filter Type

In this section, we can configure the Filter Type. Options to choose from are **IP Filters** and **MAC Filters**.



FILTER TYPE

IP Filters MAC Filters

IP Filter Type

In this section, we can configure the IP Filter Type. Options to choose from are **IPv4 Filter** and **IPv6 Filter**.



IP FILTER TYPE

IPv4 Filter IPv6 Filter

Add Filter

In this section, we can configure the following parameters.

Enable IP Filters: Select this option to enable or disable the IP filters option.

Name: Enter the name here.

Protocol: Select the protocol used here. Options to choose from are **Any**, **TCP**, **UDP** and **ICMP**.

Source IP Address: Select the source IP address used here. Options of the interface to choose from are **LAN1**, **LAN2**, **LAN3** and **LAN4** options to choose from are **Any IP address**, **Single IP** and **Specify IP Address (Range) IP Address**

IP Address: Enter the IP address for the filter.

Destination IP Address: Configure the destination IP address here. Enter the Destination IP Address in **from** and **to**

Destination Ports: Configure the destination ports here.

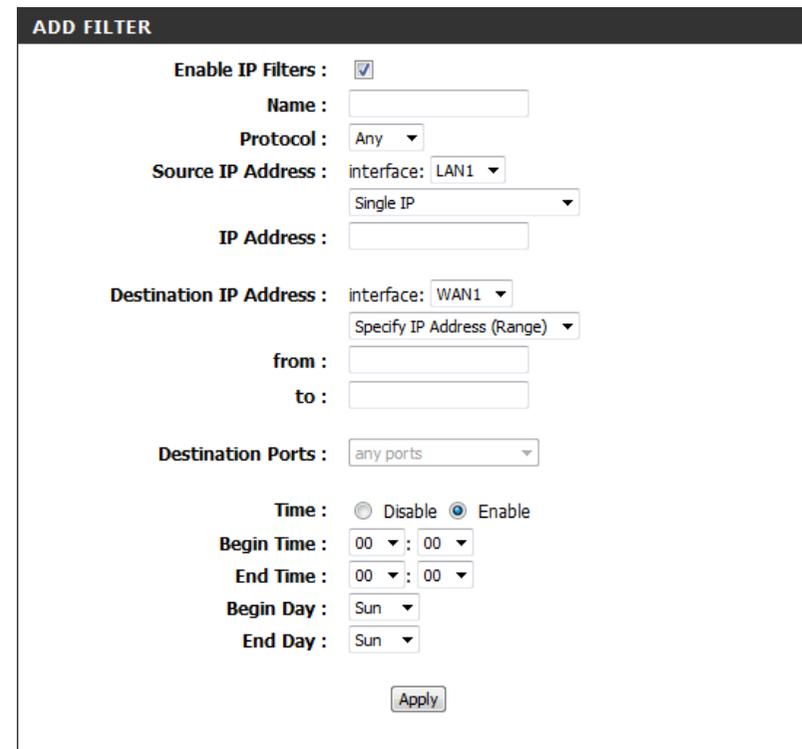
Time: Select this option to enable or disable the time option.

Begin Time: Enter the begin time here.

End Time: Enter the end time here.

Begin Day: Enter the begin day here.

End Day: Enter the end day here



ADD FILTER

Enable IP Filters :

Name :

Protocol : Any ▾

Source IP Address : interface: LAN1 ▾
Single IP ▾

IP Address :

Destination IP Address : interface: WAN1 ▾
Specify IP Address (Range) ▾

from :

to :

Destination Ports : any ports ▾

Time : Disable Enable

Begin Time : 00 ▾ : 00 ▾

End Time : 00 ▾ : 00 ▾

Begin Day : Sun ▾

End Day : Sun ▾

Click the **Apply** button to accept the changes made.

Parental Control

To access the **Parental Control** page, click on the **Advanced** menu link, at the top, and then click on the **Parental Control** menu link, on the left.

On this page, the user can configure services related to the Parental Control feature of this product.

Services available for configuration are the following:

- [Parental Control](#)
- [URL Blocking](#)

The screenshot shows the D-Link DSL-2870B Advanced configuration page. The top navigation bar includes 'D-Link', 'DSL-2870B //', and tabs for 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Parental Control' selected. The main content area is titled 'PARENTAL CONTROL' and contains the following text: 'Parental Control provides the useful tools for restricting Internet access. Website URL Blocking allows you to quickly create a list of all web sites that you wish to allow or deny users from accessing.' Below this, there are two radio button options: 'URL Blocking' (selected) and 'Domain Blocking'. Underneath, there is a section for 'URL BLOCKING' with 'URL Blocking:' followed by 'Disabled' (selected) and 'Enabled' radio buttons, and an 'Apply' button. A red note at the bottom states: 'Note: Setting changes may require a reboot to take effect.' On the right side, there is a 'Helpful Hints...' section with a 'More...' link.

Parental Control

In this section, we can configure the Parental Control. Options to choose from are **URL Blocking and Domain Blocking**.

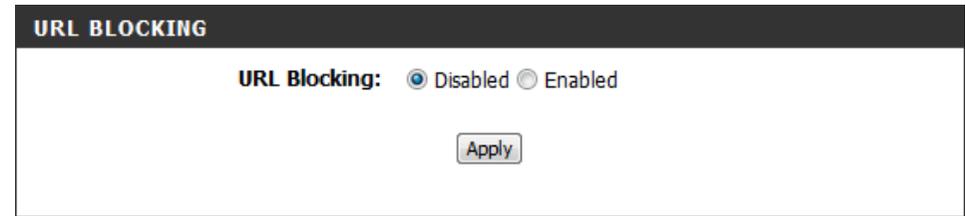
This is a close-up screenshot of the 'PARENTAL CONTROL' section from the previous image. It shows two radio button options: 'URL Blocking' (which is selected) and 'Domain Blocking'.

URL Blocking

In this section, we can configure the following parameters.

URL Blocking: Select this option to enable or disable the URL blocking option.

Click the **Apply** button to accept the changes made.



The screenshot shows a web interface for configuring URL blocking. At the top, there is a dark header bar with the text "URL BLOCKING" in white. Below the header, the text "URL Blocking:" is followed by two radio button options: "Disabled" (which is selected) and "Enabled". Below these options is a rectangular button labeled "Apply".

Firewall

To access the **Firewall** page, click on the **Advanced** menu link, at the top, and then click on the **Firewall** menu link, on the left.

On this page the user can configure services related to the Firewall feature of this product.

Services available for configuration are the following:

- [Firewall Type](#)
- [Firewall](#)

The screenshot shows the D-Link web interface for the DSL-2870B. The top navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Firewall' selected. The main content area is titled 'FIREWALL' and contains the following sections:

- FIREWALL TYPE**: Two radio buttons are present: 'IPv4 Firewall' (selected) and 'IPv6 Firewall'.
- FIREWALL**: A list of security features with checkboxes, all of which are checked:
 - Enable SPI
 - Enable DOS and Portscan Protection
 - SYN flood attack
 - SYN/RST attack
 - SYN/FIN attack
 - FIN/URG/PSH attack
 - Xmas attack
 - Null scanning attack
 - Ping flood/Ping of Death attack

On the right side of the page, there is a 'Helpful Hints...' section with text explaining the function of a firewall and a 'More...' link.

Firewall Type

In this section, we can configure the Firewall Type. Options to choose from are **IPv4 Firewall** and **IPv6 Firewall**.



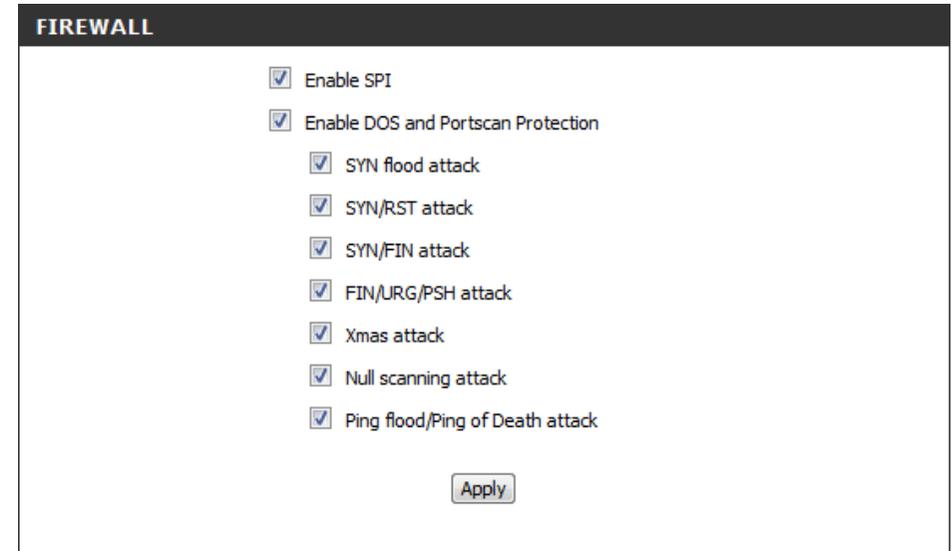
FIREWALL TYPE

IPv4 Firewall IPv6 Firewall

Firewall

In this section, we can configure the Firewall. Options to choose from are **Enable SPI**, **Enable DOS and Port scan Protection**, **SYN flood attack**, **SYN/RST attack**, **SYN/FIN attack**, **FIN/URG/PSH attack**, **Xmas attack**, **Null scanning attack** and **Ping flood/Ping of Death attack**.

Click the **Apply** button to accept the changes



FIREWALL

- Enable SPI
- Enable DOS and Portscan Protection
 - SYN flood attack
 - SYN/RST attack
 - SYN/FIN attack
 - FIN/URG/PSH attack
 - Xmas attack
 - Null scanning attack
 - Ping flood/Ping of Death attack

Apply

DMZ

To access the **DMZ** page, click on the **Advanced** menu link, at the top, and then click on the **DMZ** menu link, on the left.

On this page the user can configure services related to the DMZ feature of this product.

D-Link

DSL-2870B // SETUP **ADVANCED** MAINTENANCE STATUS HELP

Virtual Server
DNS
Dynamic DNS
Port Trigger
IP & MAC Filtering
Parental Control
Firewall
DMZ
RIP
IGMP
QoS
WLAN 2.4G Advanced Settings
WLAN 5G Advanced Settings
Routing
SNMP
UPnP
Samba
DSL Line Settings
URL Redirect

DMZ (EXPOSED HOST)

DMZ (Exposed Host): From the Internet you can access to a client within the DMZ. This client is more vulnerable than the other clients in your LAN. It is strongly recommended to store any sensitive data behind the DMZ protected by a firewall.

Note: Most of packets that from Internet will be forwarding to DMZ server except those packets that should forward to active virtual server, or access IAD's Telnet/FTP/remote administration http access service.

DMZ (EXPOSED HOST) SETTINGS

Enable DMZ : Disable Enable

IP Address :

Time : Disable Enable

Begin Time : 08 : 00

End Time : 19 : 30

Begin Day : Tue

End Day : Wed

Apply

Note: Setting changes may require a reboot to take effect.

Helpful Hints..

DMZ is short for Demilitarized Zone.

A demilitarized zone is a network area (a subnetwork) that sits between an your internal network and an external network, usually the Internet. The point of a DMZ is that connections from the internal and the external network to the DMZ are permitted, whereas connections from the DMZ are only permitted to the external network - hosts in the DMZ may not connect to the internal network. This allows the DMZ's hosts to provide services to the external network while protecting the internal network in case intruders compromise a host in the DMZ. For someone on the external network who wants to illegally connect to the internal network, the DMZ is a dead end.

More...

In this section we can configure the **DMZ Host** by entering the **IP Address** here and the work time by change **Time** settings.

Enable DMZ: Enable or disable the DMZ function for this router.

IP Address: Enter an IP address of the device you have connected to the router.

Time: Enable or disable the time scheduler, when this options is enabled, the internet client can access the server within a set time.

Begin Time: Specify a begin time for the DMZ rule.

End Time: Specify an end time for the DMZ rule.

Begin Day: Specify a begin day for the DMZ rule.

End Day: Specify an end day for the DMZ rule.

DMZ (EXPOSED HOST) SETTINGS

Enable DMZ : Disable Enable

IP Address :

Time : Disable Enable

Begin Time : 08 : 00

End Time : 19 : 30

Begin Day : Mon

End Day : Fri

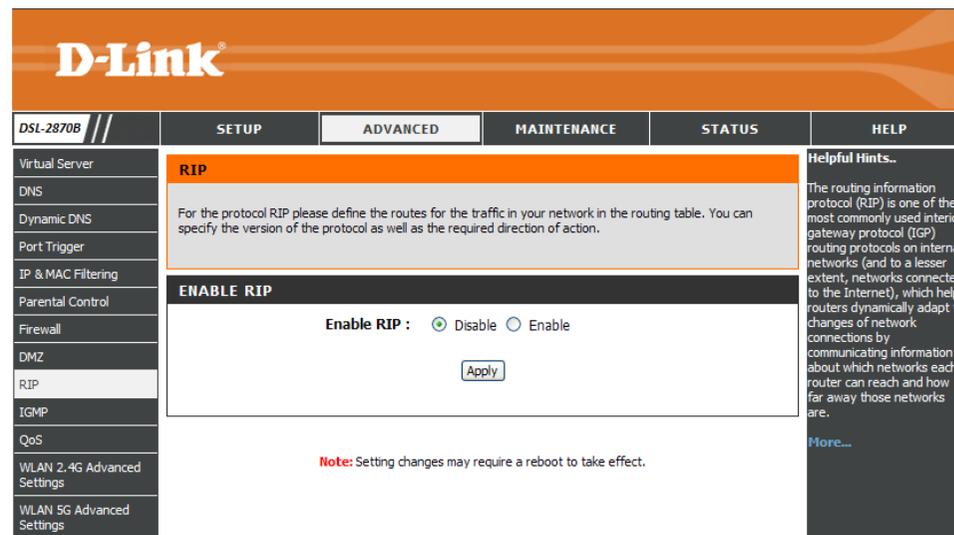
Apply

Click the **Apply** button to accept the changes made.

RIP

To access the **RIP** page, click on the **Advanced** menu link, at the top, and then click on the **RIP** menu link, on the left.

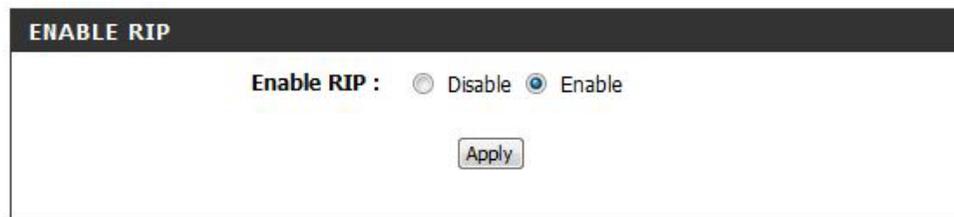
On this page, the user can configure services related to the RIP feature of this product.



In this section, we can enable RIP and configure it.

Enable RIP: Enable or disable RIP function for this router.

Click the **Apply** button to accept the changes made.



In this section, we can configure the RIP function.

Interface: Specify the interface to run RIP function.

In-bound Protocol: Specify the in-bound protocol, the option includes: **Disable**, **RIPv1**, **RIPv2** or **RIP Both**.

Out-bound Protocol: Specify the out-bound protocol, the option includes: **Disable**, **RIPv1**, **RIPv2** or **RIP Both**.

Click **Apply** button to commit the configuration



In this section, we can view the RIP table.

Click **Remove Selected** button, the selected entry will be removed.

RIP TABLE				
Interface	In-bound Protocol	Out-bound Protocol	Remove	Edit
WAN1	RIP V1	RIP V1	<input type="checkbox"/>	<input type="radio"/>

IGMP

To access the **IGMP** page, click on the **Advanced** menu link, at the top, and then click on the **IGMP** menu link, on the left.

On this page, the user can configure services related to the IGMP feature of this product.

D-Link

DSL-2870B // SETUP **ADVANCED** MAINTENANCE STATUS HELP

Virtual Server
DNS
Dynamic DNS
Port Trigger
IP & MAC Filtering
Parental Control
Firewall
DMZ
RIP
IGMP
QoS
WLAN 2.4G Advanced Settings
WLAN 5G Advanced Settings
Routing

IGMP

IGMP allows support for efficient multicasting -- transmission of identical content, from a source to a number of recipients.

Helpful Hints..
IGMP allows support for efficient multicasting -- transmission of identical content, from a source to a number of recipients.
[More...](#)

IGMP SETTINGS

IGMP Support : Disable Enable

Interface : WAN1

Fast Leave :

Apply

Note: Setting changes may require a reboot to take effect.

In this section, we can enable IGMP and configure it.

IGMP Support: Enable or disable IGMP function for this router.

Interface: Specify the interface for the IGMP function.

Fast Leave. Enable or disable fast leave function.

Click the **Apply** button to accept the changes made.

IGMP SETTINGS

IGMP Support : Disable Enable

Interface : ALL

Fast Leave :

Apply

QoS

To access the **QoS** page, click on the **Advanced** menu link, at the top, and then click on the **QoS** menu link, on the left.

On this page, the user can configure services related to the QoS feature of this product.

Product Page : Firmware Version : 2.00.00 Build Timestamp : 03192013 Language : en

D-Link

DSL-2870B // SETUP **ADVANCED** MAINTENANCE STATUS HELP

QoS

QoS Configuration prioritizes upstream traffic flow through the device so that interactive data can be delivered first.

QUEUE MANAGEMENT CONFIGURATION

If Enable QoS checkbox is selected, choose a default DSCP mark to automatically mark incoming traffic without reference to a particular classifier. Click 'Apply' button to save it.

Enable QoS :

Mark Differentiated Service Code Point (DSCP) : No Change(-1)

Note: If Enable QoS checkbox is not selected, all QoS will be disabled for all interfaces. The default DSCP mark is used to mark all egress packets that do not match any classification rules.

Apply

Note: Setting changes may require a reboot to take effect.

Helpful Hints..
QoS or Quality of service allows your Router to help prioritise the data packet flow in your router and network. This is very important for time sensitive program as VoIP as it may result in dropped call. Large amounts of non-critical data can be scaled to not effect these sensitive real-time programs.
More...

In this section, we can enable QoS and configure it.

Enable QoS: Enable or disable **QoS** function for this Router

Mark Differentiated Service Code Point (DSCP): this option is to select a default DSCP mark to automatically mark incoming traffic without reference to a particular classifier.

Click the **Apply** button to accept the changes made.

QUEUE MANAGEMENT CONFIGURATION

If Enable QoS checkbox is selected, choose a default DSCP mark to automatically mark incoming traffic without reference to a particular classifier. Click 'Apply' button to save it.

Enable QoS :

Mark Differentiated Service Code Point (DSCP) : Auto Marking(-2)

Note: If Enable QoS checkbox is not selected, all QoS will be disabled for all interfaces. The default DSCP mark is used to mark all egress packets that do not match any classification rules.

Apply

In this section, we can to select this **QoS Queue** and configure it for this router.

Enable: Enable or disable the QoS queue.

Name: Enter a name for this QoS queue.

Interface: Select an interface for this QoS queue.

Click the **Apply** button to accept the changes made.

Click the **Cancel** button to cancel the operation.

QoS CONFIGURATION

QoS Queue
 QoS Classification
 Switch Settings

QUEUE MANAGEMENT CONFIGURATION

Enable :

Name :

Interface : ▼

In this section, we can view the existing QoS queue rules.

Status: It displays the QoS rule status.

Name: It displays the QoS rule name.

Interface: It displays the interface of the incoming packets for this rule.

Scheduler: It displays the queue type of this rule.

Precedence: It displays the precedence of this rule.

Weight: It displays the weight of this rule.

Remove: To remove this rule.

Edit: To edit this rule.

EXISTING QoS QUEUE RULES

Status	Name	Interface	Scheduler	Precedence	Weight	Remove	Edit
Enabled	wl0 Queue1	wl0	SP	1	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue2	wl0	SP	2	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue3	wl0	SP	3	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue4	wl0	SP	4	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue5	wl0	SP	5	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue6	wl0	SP	6	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue7	wl0	SP	7	-	<input type="checkbox"/>	<input type="radio"/>
Enabled	wl0 Queue8	wl0	SP	8	-	<input type="checkbox"/>	<input type="radio"/>

In this section, we can to select the **QoS Classification** option and configure it for this router.

Rule Status: Enable or disable the QoS rule for this router.

Traffic Class Name: Enter a traffic class name for this router.

Rule Order: Select the rule as last rule.

QoS CONFIGURATION

QoS Queue QoS Classification Switch Settings

NETWORK TRAFFIC CLASS RULE

The screen creates a traffic class rule to classify the upstream traffic, assign queue which defines the precedence and the interface and optionally overwrite the IP header DSCP byte. A rule consists of a class name and at least one condition below. All of the specified conditions in this classification rule must be satisfied for the rule to take effect. Click 'Apply' to save and activate the rule.

Rule Status :

Traffic Class Name :

Rule Order : Last ▾

In this section, we can configure classification criteria for this rule.

Class Interface: Specify incoming packets from which interface for this QoS classification.

Ether Type: Specify incoming packets which Ethernet type for this QoS classification, this option includes: **IP (0x800)**, **ARP (0x806)**, **IPv6 (0x86DD)**, **PPPoE_DISC (0x8863)**, **PPPoE_SES (0x8864)**, **8865 (0x8865)** and **8866 (0x8866)**.

Source MAC Address: Specify source MAC address of incoming packets for this QoS classification.

Source MAC Mask: Specify source MAC mask of incoming packets for this QoS classification.

Destination MAC Address: Specify destination MAC address of incoming packets for this QoS classification.

Destination MAC Mask: Specify destination MAC mask of incoming packets for this QoS classification.

Source IP Address [/Mask]: Specify source IP address and subnet mask of incoming packets for this QoS classification, only select **IP (0x800)** and **IPv6 (0x86DD)**.

Destination IP Address [/Mask]: Specify destination IP address and subnet mask of incoming packets for this QoS classification, only select **IP (0x800)** and **IPv6 (0x86DD)**, only select **IP (0x800)** and **IPv6 (0x86DD)**.

Differentiated Service Code Point (DSCP) Check: Select the DSCP value that will be checked by the classifier.

SPECIFY CLASSIFICATION CRITERIA

A blank criterion indicates it is not used for classification.

Class Interface : LAN ▾

Ether Type : IP (0x800) ▾

Source MAC Address :

Source MAC Mask :

Destination MAC Address :

Destination MAC Mask :

Source IP Address [/Mask] :

Destination IP Address [/Mask] :

Differentiated Service Code Point (DSCP) Check :

Protocol : ▾

Protocol: Select protocol for this QoS classification, only select **IP (0x800)** and **IPv6 (0x86DD)**, this option can be operated, options includes **TCP, UDP, ICMP** and **IGMP**.

In this section, we can assign QoS classification to a queue and mark DSCP, 802.1p priority, VLAN ID and specify rate limit for this QoS classification.

Assign Classification Queue: Set the Assign Classification Queue field depending on your type of connection.

Mark Differentiated Service Code Point (DSCP): the DSCP value that will be set by the traffic class rule.

Mark 802.1P Priority: In the scale from 0 -7, 0 is best effort, 6 and 7 are reserved.

Tag VLAN ID: Set the Tag VLAN ID for the LAN egress traffic.

Rate Limit: Set the Rate Control if you wish to have a limit to the bandwidth, or else leave this field blank.

Click the **Apply** button to accept the changes made.

Click the **Cancel** button to cancel the operation.

In this section, we can enable Switch Settings and configure it.

Schedule: Configure the Queue Type that will be applied on the ether switch.

Combo type: If on you set Queue type to **SP+WRR combo**, this setting will be display.

Click the **Apply** button to accept the changes made.

SPECIFY CLASSIFICATION RESULTS

Must select a classification queue. A blank mark or tag value means no change.

Assign Classification Queue : w10 Queue1 ▾

Mark Differentiated Service Code Point (DSCP) : AF13(001110) ▾

Mark 802.1p priority : 3 ▾

Tag VLAN ID : 1 (0-4094)

Rate Limit : 100 (kbps)

SWITCH CONTROL CONFIGURATION

Schedule : SP+WRR combo ▾

Combo type : 1SP + 3WRR ▾

Queue Type	Precedence	Weight
SP	1	8
WRR	2	4
WRR	3	2
WRR	4	1

Advanced Wireless 2.4G

To access the **Advanced Wireless 2.4G** page, click on the **Advanced** menu link, at the top, and then click on the **WLAN 2.4G Advanced Settings** menu link, on the left.

On this page, the user can configure advanced services related to the Wireless 2.4Ghz connectivity of this product.

Services available for configuration are the following:

- [Access Rules](#)
- [Multiple SSIDs](#)
- [Performance](#)

D-Link

DSL-2870B // SETUP **ADVANCED** MAINTENANCE STATUS HELP

Virtual Server
DNS
Dynamic DNS
Port Trigger
IP & MAC Filtering
Parental Control
Firewall
DMZ
RIP
IGMP
QoS
WLAN 2.4G Advanced Settings
WLAN 5G Advanced Settings
Routing
SNMP
UPnP
Samba
DSL Line Settings
URL Redirect

WLAN ACCESS RULES - ADD

This page enables users to allow or deny specific wireless devices to connect to the wireless network by specifying the MAC address (one address per rule / format of MAC Address: aa:aa:aa:aa:aa:aa).

WLAN ACCESS RULES

Existing SSIDs : dlink-2870B-z
Access Rule Status : Disabled Enabled
Access Rule : allow deny

ADD WLAN ACCESS RULES

Active :
MAC Address : 01-02-03-04-05-06

Apply

EXISTING ACCESS RULES

Active	Network	Remove	Edit
Active	01-02-03-04-05-06	<input type="checkbox"/>	<input type="radio"/>

Remove Selected

Helpful Hints..
Create a list of MAC addresses that you would either like to allow or deny users access to the wireless router. Click on Remove if you want to take out a MAC address from the MAC filter list.
More...

Access Rules

Click the **WLAN 2.4G Access Rules** on the left to access the **Wireless 2.4G Access Rules Settings** configuration page.

The screenshot shows the D-Link router's web interface. The top navigation bar includes 'DSL-2870B //', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various settings categories, with 'WLAN 2.4G Advanced Settings' selected. The main content area is titled 'WLAN ACCESS RULES - ADD' and contains the following sections:

- WLAN ACCESS RULES - ADD:** A text box explaining that users can allow or deny wireless devices by specifying a MAC address (format: aa:aa:aa:aa:aa:aa).
- WLAN ACCESS RULES:** Shows 'Existing SSIDs : dlink-2870B-z', 'Access Rule Status : Disabled Enabled', and 'Access Rule : allow deny'.
- ADD WLAN ACCESS RULES:** Includes 'Active : ' and 'MAC Address : 01-02-03-04-05-06' with an 'Apply' button.
- EXISTING ACCESS RULES:** A table with columns 'Active', 'Network', 'Remove', and 'Edit'. It contains one entry: 'Active' (with a blue link), 'Network' (01-02-03-04-05-06), 'Remove' (checkbox), and 'Edit' (radio). Below the table is a 'Remove Selected' button.

The right sidebar, titled 'Helpful Hints..', provides instructions on creating a list of MAC addresses to allow or deny access and includes a 'More...' link.

In this section, we can change the global wireless filter policy to what you like to deny or allow special WLAN devices connected to the router.

Existing SSIDs: It displays the existing SSID.

Access Rule Status: Enable or disable the access rule status for the existing SSID.

Access Rule: Specify the access rule as allow or deny.

Active: To active the rule or inactive the access rule.

MAC Address: Enter the MAC address to allow access or deny access.

Click the **Apply** button to accept the changes made.

This close-up screenshot shows the 'WLAN ACCESS RULES' section with 'Existing SSIDs : dlink-2870B-z', 'Access Rule Status : Disabled Enabled', and 'Access Rule : allow deny'. Below it is the 'ADD WLAN ACCESS RULES' section with 'Active : ' and 'MAC Address : 01-02-03-04-05-06' with an 'Apply' button.

Multiple SSIDs

Click the **Multiple WALN 2.4G SSIDs** on the left to access the **Advanced Wireless Multiple SSIDs** configuration page.

The screenshot shows the D-Link router's web interface. The main content area is titled "MULTIPLE SSIDS" and contains the following sections:

- MULTIPLE SSIDS:** A note stating "The SSID is name of your WLAN. Do not use standard term, e.g. WLAN, as SSID."
- ADD MULTIPLE WLAN SSIDS:** A section with the label "Multiple SSIDs :" and two radio buttons: "Disable" (selected) and "Enable".
- EXISTING SSIDS:** A table with two columns: "SSID" and "Enabled".

SSID	Enabled
dap2870	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest1	<input type="checkbox"/>
dlink-2870B-z-Guest2	<input type="checkbox"/>
dlink-2870B-z-Guest3	<input type="checkbox"/>

Below the table is an "Apply" button and a note: "Note: Setting changes may require a reboot to take effect."

In this section, the Dual band Wireless N750 Modem Router supports Multiple SSIDs so you can operate several WLANs in parallel.

Multiple SSIDs: Enable or disable multiple SSID for this router.

SSID: Enter the SSID name for this router.

Enable: Enable or disable the SSID for this router.

Click the **Apply** button to accept the changes made.

The screenshot shows the "ADD MULTIPLE WLAN SSIDS" configuration page. The "Multiple SSIDs :" section now has the "Enable" radio button selected. The "EXISTING SSIDS" table is updated as follows:

SSID	Enabled
dap2870	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest1	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest2	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest3	<input checked="" type="checkbox"/>

Apply

Performance

Click the **WALN 2.4G Performance** on the left to access the **Advanced Wireless Performance** configuration page.

The screenshot shows the D-Link configuration interface for the DSL-2870B. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various configuration options, with 'WLAN 2.4G Advanced Settings' selected. The main content area is titled 'WLAN PERFORMANCE' and contains the following settings:

- Beacon Interval:** 100 msec. (Range: 1-1000, Standard: 100)
- DTIM:** 1 (Range: 1-25, Standard: 1)
- Transmitting Power:** 100% (dropdown menu)
- Threshold for RTS:** 2346 (Standard: 2346)
- Threshold for Fragmentation:** 2346 (Standard: 2346)
- WMM:** Disable Enable
- 802.11 Mode:** Mixed 802.11a and 802.11n (dropdown menu)
- Channel Width:** Auto 20/40 MHz (dropdown menu)

An 'Apply' button is located at the bottom of the settings area. A red note below the button states: "Note: Setting changes may require a reboot to take effect." On the right side of the page, there is a 'Helpful Hints..' section with a note about the router's performance and a 'More...' link.

After clicking the **WLAN 2.4G Performance** the following page is available.

In this section, we can configure the additional settings for configuring your wireless network.

Beacon Period: A packet of information that is sent from a connected device to all other devices where it announces its availability and readiness. A beacon interval is a period of time (sent with the beacon) before sending the beacon again. The beacon interval may be adjusted in milliseconds (ms).

DTIM Interval: Sets the Wake-up interval for clients in power-saving mode.

Transmitting Power: This is the percentage of power that should be transmitted from your wireless router. Select from 12.5%, 25%, 50% and 100%.

Threshold for RTS: Determines the packet size of a transmission through the use of the router to help control traffic flow. Generally, there is no need to change this value. If the flow of traffic becomes, change the value within the range between 1 and 2346. Default value is 2346.

Threshold for Fragmentation: Used to fragment packets, which help improve performance in the presence of radio frequency (RF) interference. Generally there is no need to change this value, If the flow of traffic becomes block, except for a huge packet error rate. Change the value within the range between 256 and 2346. Default value is 2346.

WMM: Wi-Fi Multimedia (WMM), is a Wi-Fi Alliance interoperability certification, based on the IEEE 802.11e standard. It provides basic Quality of service (QoS) features to IEEE 802.11 networks.

802.11 Mode: Sets the current 802.11 mode. For WLAN 2.4G, you can select 802.11b only, 802.11g only, 802.11n only, or the mixed mode. For WLAN 5G, you can select 802.11a only, 802.11n only or the mixed mode.

Channel Width: Specify the channel width, it includes: 20MHz, 40MHz and Auto 20/40 MHz.

Click the **Apply** button to accept the changes made.

WLAN PERFORMANCE

Beacon Interval : msec.
Range: 1-1000, Standard: 100

DTIM :
Range: 1-25, Standard: 1

Transmitting Power :

Threshold for RTS :
Standard: 2346

Threshold for Fragmentation :
Standard: 2346

WMM : Disable Enable

802.11 Mode :

Channel Width :

Apply

Advanced Wireless 5G

To access the **Advanced Wireless 5G** page, click on the **Advanced** menu link, at the top, and then click on the **WLAN 5G Advanced Settings** menu link, on the left.

On this page, the user can configure advanced services related to the Wireless 2.4Ghz connectivity of this product.

Services available for configuration are the following:

- [Access Rules](#)
- [Multiple SSIDs](#)
- [Performance](#)

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS HELP

Virtual Server
DNS
Dynamic DNS
Port Trigger
IP & MAC Filtering
Parental Control
Firewall
DMZ
RIP
IGMP
QoS
WLAN 2.4G Advanced Settings
WLAN 5G Advanced Settings
Routing
SNMP
UPnP
Samba
DSL Line Settings
URL Redirect

WLAN ACCESS RULES - ADD

This page enables users to allow or deny specific wireless devices to connect to the wireless network by specifying the MAC address (one address per rule / format of MAC Address: aa:aa:aa:aa:aa:aa).

WLAN ACCESS RULES

Existing SSIDs : dlink-2870B-z
Access Rule Status : Disabled Enabled
Access Rule : allow deny

ADD WLAN ACCESS RULES

Active :
MAC Address : 01-02-03-04-05-06

Apply

EXISTING ACCESS RULES

Active	Network	Remove	Edit
Active	01-02-03-04-05-06	<input type="checkbox"/>	<input type="radio"/>

Remove Selected

Helpful Hints..
Create a list of MAC addresses that you would either like to allow or deny users access to the wireless router. Click on Remove if you want to take out a MAC address from the MAC filter list.
More...

Access Rules

Click the **WLAN 5G Access Rules** on the left to access the **Wireless 5G Access Rules Settings** configuration page.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS HELP

Virtual Server
DNS
Dynamic DNS
Port Trigger
IP & MAC Filtering
Parental Control
Firewall
DMZ
RIP
IGMP
QoS
WLAN 2.4G Advanced Settings
WLAN 5G Advanced Settings
Routing
SNMP
UPnP
Samba
DSL Line Settings
URL Redirect

WLAN ACCESS RULES- ADD

This page enables users to allow or deny specific wireless devices to connect to the wireless network by specifying the MAC address (one address per rule / format of MAC Address: aa:aa:aa:aa:aa:aa).

WLAN ACCESS RULES

Existing SSIDs : dlink-2870B-z
Access Rule Status : Disabled Enabled
Access Rule : allow deny

ADD WLAN ACCESS RULES

Active :
MAC Address : 01-02-03-04-05-06

Apply

EXISTING ACCESS RULES

Active	Network	Remove	Edit
Active	01-02-03-04-05-06	<input type="checkbox"/>	<input type="radio"/>

Remove Selected

Helpful Hints..
Create a list of MAC addresses that you would either like to allow or deny users access to the wireless router. Click on Remove if you want to take out a MAC address from the MAC filter list.
More...

In this section, we can change the global wireless filter policy to what you like to deny or allow special WLAN devices connected to the router.

Existing SSIDs: It displays the existing SSID.

Access Rule Status: Enable or disable the access rule status for the existing SSID.

Access Rule: Specify the access rule as allow or deny.

Active: To active the rule or inactive the access rule.

MAC Address: Enter the MAC address to allow access or deny access.

Click the **Apply** button to accept the changes made.

WLAN ACCESS RULES

Existing SSIDs : dlink-2870B-z
Access Rule Status : Disabled Enabled
Access Rule : allow deny

ADD WLAN ACCESS RULES

Active :
MAC Address : 01-02-03-04-05-06

Apply

Multiple SSIDs

Click the **Multiple WALN 5G SSIDs** on the left to access the **Advanced Wireless Multiple SSIDs** configuration page.

The screenshot shows the D-Link web interface for the DSL-2870B. The 'ADVANCED' tab is selected. On the left sidebar, 'WLAN 5G Advanced Settings' is highlighted. The main content area is titled 'MULTIPLE SSIDS' and contains the following elements:

- A header section with the text: "The SSID is name of your WLAN. Do not use standard term, e.g. WLAN, as SSID."
- A section titled 'ADD MULTIPLE WLAN SSIDS' with a toggle for 'Multiple SSIDs' set to 'Disable'.
- A table titled 'EXISTING SSIDS' with columns 'SSID' and 'Enabled':

SSID	Enabled
dap2870	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest1	<input type="checkbox"/>
dlink-2870B-z-Guest2	<input type="checkbox"/>
dlink-2870B-z-Guest3	<input type="checkbox"/>
- An 'Apply' button.
- A note: "Note: Setting changes may require a reboot to take effect."

In this section, the Dual band Wireless N750 Modem Router supports Multiple SSIDs so you can operate several WLANs in parallel.

Multiple SSIDs: Enable or disable multiple SSID for this router.

SSID: Enter the SSID name for this router.

Enable: Enable or disable the SSID for this router.

Click the **Apply** button to accept the changes made.

This screenshot shows the same configuration page as above, but with the 'Multiple SSIDs' toggle set to 'Enable'. The 'EXISTING SSIDS' table now shows that all three guest SSIDs are enabled:

SSID	Enabled
dap2870	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest1	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest2	<input checked="" type="checkbox"/>
dlink-2870B-z-Guest3	<input checked="" type="checkbox"/>

The 'Apply' button is visible at the bottom of the page.

Performance

Click the **WLAN 5G Performance** on the left to access the **Advanced Wireless Performance** configuration page.

The screenshot shows the D-Link configuration interface for the DSL-2870B. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various configuration options, with 'WLAN 5G Advanced Settings' highlighted. The main content area is titled 'WLAN PERFORMANCE' and contains the following settings:

- Beacon Interval:** 100 msec. (Range: 1-1000, Standard: 100)
- DTIM:** 1 (Range: 1-25, Standard: 1)
- Transmitting Power:** 100% (dropdown menu)
- Threshold for RTS:** 2346 (Standard: 2346)
- Threshold for Fragmentation:** 2346 (Standard: 2346)
- WMM:** Disable Enable
- 802.11 Mode:** Mixed 802.11a and 802.11n (dropdown menu)
- Channel Width:** Auto 20/40 MHz (dropdown menu)

An 'Apply' button is located at the bottom of the settings area. A red note below the button states: "Note: Setting changes may require a reboot to take effect." On the right side of the page, there is a 'Helpful Hints..' section with a note about the router's performance and a 'More...' link.

After clicking the **WLAN 5G Performance** the following page is available.

In this section, we can configure the additional settings for configuring you're wireless network.

Beacon Period: A packet of information that is sent from a connected device to all other devices where it announces its availability and readiness. A beacon interval is a period of time (sent with the beacon) before sending the beacon again. The beacon interval may be adjusted in milliseconds (ms).

DTIM Interval: Sets the Wake-up interval for clients in power-saving mode.

Transmitting Power: This is the percentage of power that should be transmitted from your wireless router. Select from 12.5%, 25%, 50% and 100%.

Threshold for RTS: Determines the packet size of a transmission through the use of the router to help control traffic flow. Generally, there is no need to change this value. If the flow of traffic becomes, change the value within the range between 1 and 2346. Default value is 2346.

Threshold for Fragmentation: Used to fragment packets, which help improve performance in the presence of radio frequency (RF) interference. Generally there is no need to change this value, If the flow of traffic becones block, except for a huge packet error rate. Change the value within the range between 256 and 2346. Default value is 2346.

WMM: Wi-Fi Multimedia (WMM), is a Wi-Fi Alliance interoperability certification, based on the IEEE 802.11e standard. It provides basic Quality of service (QoS) features to IEEE 802.11 networks.

802.11 Mode: Sets the current 802.11 mode. For WLAN 2.4G, you can select 802.11b only, 802.11g only, 802.11n only, or the mixed mode. For WLAN 5G, you can select 802.11a only, 802.11n only or the mixed mode.

Channel Width: Specify the channel width, it includes: 20MHz, 40MHz and Auto 20/40 MHz.

Click the **Apply** button to accept the changes made.

WLAN PERFORMANCE

Beacon Interval : 100 msec.
Range: 1-1000, Standard: 100

DTIM : 1
Range: 1-25, Standard: 1

Transmitting Power : 100% ▾

Threshold for RTS : 2346
Standard: 2346

Threshold for Fragmentation : 2346
Standard: 2346

WMM : Disable Enable

802.11 Mode : Mixed 802.11a and 802.11n ▾

Channel Width : Auto 20/40 MHz ▾

Apply

Routing

To access the **Routing** page, click on the **Advanced** menu link, at the top, and then click on the **Routing** menu link, on the left.

On this page, the user can configure services related to the Routing feature of this product.

Services available for configuration are the following:

- [Add IPv4 Routing](#)
- [Add IPv6 Routing](#)

The screenshot displays the D-Link web interface for the DSL-2870B. The top navigation bar includes tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar lists various configuration options, with 'Routing' selected. The main content area is titled 'ROUTING' and contains the following sections:

- ROUTING**: A descriptive text block stating, "The routes for the traffic in your network are defined in the routing table. Normally, the entries for IP Address and Gateway are sufficient. You do not need to define any settings."
- ROUTING TYPE**: Two radio button options: 'IPv4 Routing' (selected) and 'IPv6 Routing'.
- ADD ROUTING**: A form with the following fields:
 - Enable Routing Rule:
 - Destination Address:
 - Destination Subnet Mask:
 - Interface:
 - Gateway IP Address:
 - Apply:

On the right side, there is a 'Helpful Hints...' section with text explaining routing protocols and a 'More...' link. At the bottom of the interface, a red note states: "Note: Setting changes may require a reboot to take effect."

Add IPv4 Routing

Click the IPv4 Routing button to access the IPv4 Routing configuration page.

After clicking the **IPv4 Routing** button the following page is available.

Enable Routing Rule: Enable or disable the routing rule for this router.

Destination Address: Enter a destination address for the routing rule.

Destination Subnet Mask: Enter a subnet mask address for the routing rule.

Interface: Specify the interface for this routing rule.

Gateway IP address: Specify gateway IP address for this routing rule.

Click **Apply** button to commit the configuration.

ROUTING TYPE

IPv4 Routing IPv6 Routing

ROUTING TYPE

IPv4 Routing IPv6 Routing

ADD ROUTING

Enable Routing Rule :

Destination Address :

Destination Subnet Mask :

Interface : LAN1 ▼

Gateway IP Address :

In this section, a list of IPv4 static route entries will be displayed.

Click the **Remove Selected** button to remove the selected entry.

ROUTING TABLE

Status	Network	Interface	Gateway	Remove	Edit
Active	192.168.1.3	LAN1	192.168.1.1	<input type="checkbox"/>	<input type="radio"/>
Inactive	192.168.1.4	LAN1	192.168.1.1	<input type="checkbox"/>	<input type="radio"/>

Add IPv6 Routing

Click the IPv6 Routing button to access the IPv6 Routing configuration page.

After clicking the **IPv6 Routing** button the following page is available.

Enable Routing Rule: Enable/disable IPv6 routing

Destination IPv6 Address/Prefix Length: Enter the destination IP address and prefix length for this route entry here.

Metric: Enter the metric value, used by this route entry, here.

Interface: Select the interface this will be associated with this rule here.

Gateway IPv6 Address: Enter the gateway IP address for this route entry here.

Click the **Apply** button to accept the changes made

ROUTING TYPE
 IPv4 Routing IPv6 Routing

ADD ROUTING
Enable Routing Rule :
Destination IPv6 Address/Prefix Length : /
Metric : (Optional)
Interface : LAN1
Gateway IPv6 Address :

In this section, a list of IPv6 static route entries will be displayed.

Click the **Remove Selected** button to remove the selected entries.

ROUTING TABLE						
Status	Network	Interface	Gateway	Metric	Remove	Edit
Inactive	CDCD:910A:2222:5498:8 475:1111:3900:2021	LAN1	CDCD:910A:2222:5498:8 475:1111:3900:2022	22	<input type="checkbox"/>	<input type="radio"/>

SNMP

To access the **SNMP** page, click on the **Advanced** menu link, at the top, and then click on the **SNMP** menu link, on the left.

On this page, the user can configure services related to the SNMP feature of this product.

The screenshot displays the D-Link web interface for the DSL-2870B. At the top, the D-Link logo is visible. Below it, a navigation bar contains tabs for SETUP, ADVANCED (selected), MAINTENANCE, STATUS, and HELP. On the left side, a vertical menu lists various configuration options, with SNMP highlighted. The main content area is divided into two sections. The top section, titled 'SNMP', provides a brief explanation: 'SNMP stands for Simple Network Management Protocol. This protocol provides functionalities for controlling and monitoring a network. It responds to specific incidents such as errors and notifies the administrator in an appropriate way.' Below this, the 'SNMP' configuration form is shown, featuring a 'VendorID 1.3.6.1.4.1.604' label and several settings: 'SNMP Agent' with radio buttons for 'Disable' (selected) and 'Enable'; 'Name' with a text input field containing 'dsl-2870b'; 'Location' with a text input field containing 'D-Link'; 'Contact' with a text input field containing 'admin@dlink.com'; and 'Enable SNMP Traps' with an unchecked checkbox. An 'Apply' button is located at the bottom of this section. The bottom section, titled 'ADD COMMUNITY', includes a 'Name' text input field and a 'Permissions' dropdown menu set to 'Read Only', with another 'Apply' button below it. On the right side of the interface, a 'Helpful Hints..' section provides additional context on SNMP, stating it is short for Simple Network Management Protocol and used for controlling and monitoring networks. It mentions that triggers for defined events, such as errors, are used to inform administrators. A 'More...' link is also present.

In this section, we can configure the SNMP server parameters for this router.

SNMP Agent: Select this option to enable or disable the SNMP feature.

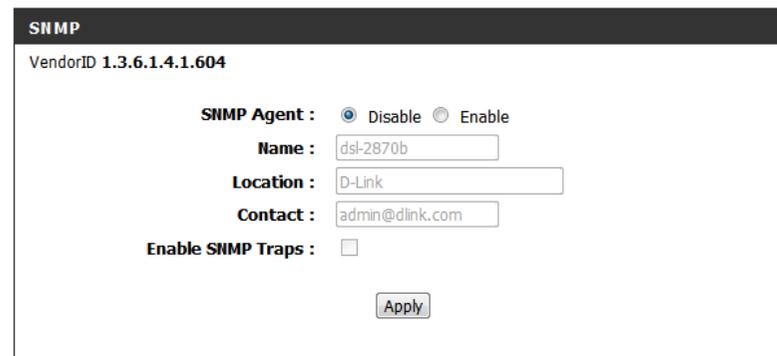
Name: Enter the SNMP name here.

Location: Enter the SNMP location here.

Contact: Enter the SNMP location here.

Enable SNMP Traps: Select this option to enable or disable the SNMP traps.

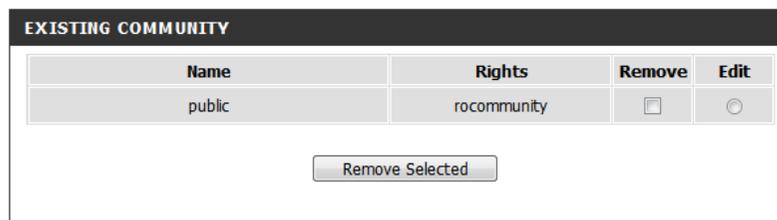
Click the **Apply** button to accept the changes made.



The screenshot shows the 'SNMP' configuration page. At the top, it displays 'VendorID 1.3.6.1.4.1.604'. Below this, there are several configuration options: 'SNMP Agent' with radio buttons for 'Disable' (selected) and 'Enable'; 'Name' with a text input field containing 'dsl-2870b'; 'Location' with a text input field containing 'D-Link'; 'Contact' with a text input field containing 'admin@dlink.com'; and 'Enable SNMP Traps' with an unchecked checkbox. An 'Apply' button is located at the bottom right of the form.

In this section, a list of **SNMP** community will be displayed.

Click the **Remove Selected** button to remove the selected entry.



The screenshot shows a table titled 'EXISTING COMMUNITY'. The table has four columns: 'Name', 'Rights', 'Remove', and 'Edit'. There is one row with the following data: 'Name' is 'public', 'Rights' is 'rocommunity', 'Remove' has an unchecked checkbox, and 'Edit' has a radio button. Below the table is a 'Remove Selected' button.

Name	Rights	Remove	Edit
public	rocommunity	<input type="checkbox"/>	<input type="radio"/>

In this section, we can add the SNMP traps parameters for this router.

Destination IP Address: Enter the SNMP traps IP address.

Community Settings: Select this option to choose community.

Version: Select this option to choose SNMP version.

Click the **Apply** button to accept the changes made.



The screenshot shows the 'ADD TRAPS' configuration page. It includes three fields: 'Destination IP Address' with an empty text input field; 'Community Settings' with a dropdown menu showing 'public'; and 'Version' with a dropdown menu showing 'SNMP v1'. An 'Apply' button is located at the bottom right of the form.

In this section, a list of SNMP traps will be displayed.

Click the **Remove Selected** button to remove the selected entry.



The screenshot shows a table titled 'EXISTING TRAPS'. The table has five columns: 'Destination IP Address', 'Community', 'Version', 'Remove', and 'Edit'. There is one row with the following data: 'Destination IP Address' is '192.168.1.1', 'Community' is 'public', 'Version' is 'SNMP v1', 'Remove' has an unchecked checkbox, and 'Edit' has a radio button. Below the table is a 'Remove Selected' button.

Destination IP Address	Community	Version	Remove	Edit
192.168.1.1	public	SNMP v1	<input type="checkbox"/>	<input type="radio"/>

UPnP

To access the **UPnP** page, click on the **Advanced** menu link, at the top, and then click on the **UPnP** menu link, on the left.

On this page the user can configure services related to the **UPnP** feature of this product.

The screenshot shows the D-Link web interface for the DSL-2870B. The top navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'UPnP' selected. The main content area is titled 'UPnP' and contains the following text: 'Universal Plug and Play (UPnP) supports peer-to-peer Plug and Play functionality for network devices.' Below this is the 'UPnP SETTINGS' section, which includes two radio button options: 'UPnP' (set to 'Enable') and 'UPnP AV' (set to 'Enable'). An 'Apply' button is located below these options. A red note at the bottom states: 'Note: Setting changes may require a reboot to take effect.' On the right side, there is a 'Helpful Hints...' section with a 'More...' link.

In this section, we can configure the UPnP parameters for this router.

UPnP: Select this option to enable or disable the UPnP feature.

UPnP AV: Select this option to enable or disable the UPnP AV feature.

Click the **Apply** button to accept the changes made.

This is a close-up screenshot of the 'UPnP SETTINGS' section from the previous image. It shows the 'UPnP' and 'UPnP AV' radio button options, both of which are currently selected to 'Enable'. The 'Apply' button is visible at the bottom of the settings area.

Samba

To access the **Samba** page, click on the **Advanced** menu link, at the top, and then click on the **Samba** menu link, on the left.

On this page, the user can configure services related to the Samba connectivity of this product.

The screenshot displays the D-Link web interface for the DSL-2870B. The top navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists various configuration options, with 'Samba' selected. The main content area is titled 'Samba' and contains a description: 'Samba is the protocol by which a lot of PC related machines share files and printers and other information such as lists of available files and printers. Operating systems that support this natively include Windows 9x, Windows NT, OS/2, Mac OS X and Linux.' Below this is the 'Samba SETTINGS' section, which includes: 'Samba' (radio buttons for Disable and Enable, with Enable selected), 'NetBIOS Name' (text field with 'DSL-2870B'), 'Workgroup' (text field with 'MSHOME'), 'User account' (radio buttons for Disable and Enable, with Disable selected), 'Username' (text field with 'admin'), and 'Password' (text field with 'admin'). An 'Apply' button is located at the bottom of the settings section. A red note at the bottom states: 'Note: Setting changes may require a reboot to take effect.' On the right side, there is a 'Helpful Hints..' section with a 'More...' link.

In this section, we can configure the Samba server parameters for this router.

Samba: Select this option to enable the Samba server feature.

NetBios Name: Enter the NetBIOS name used here.

Workgroup: Enter the workgounp name used here.

User account: Select this option to on/off the Samba account.

Username: Enter the samba account username used here.

Click the **Apply** button to accept the changes made.

SAMBA SETTINGS

Samba : Disable Enable

NetBIOS Name :

Workgroup :

User account : Disable Enable

Username :

Password :

DSL Line Settings

To access the **DSL Line Settings** page, click on the **Advanced** menu link, at the top, and then click on the **DSL Line Settings** menu link, on the left.

On this page, we can configure **DSL Line Settings** Tunnel Mode connections.

The screenshot shows the D-Link DSL-2870B Advanced DSL Line Settings page. The interface includes a top navigation bar with the D-Link logo and a menu with tabs for SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. A left sidebar lists various configuration options, with DSL Line Settings highlighted. The main content area is divided into two sections: DSL SETUP and DSL SETTING. The DSL SETUP section contains a warning message: "This page allows you to configure the modem's ADSL modulation." The DSL SETTING section includes a dropdown menu for Modulation Type (set to auto), radio buttons for Phone Line Pair (Inner Pair selected, Outer Pair unselected), and checkboxes for Bitswap and SRA (both checked). An Apply button is located at the bottom of the DSL SETTING section. A Helpful Hints sidebar on the right contains a warning: "Do not change these settings unless directed by your ISP." and a link to More...

In this section, we can configure the Samba server parameters for this router.

Modulation Type: Select this option to choose modulation type.

Phone Line Pair: Select this option to choose phone line pair.

Bitswap: Select this option to enable the Bitswap feature.

SRA: Select this option to enable the SRA feature.

Click the **Apply** button to accept the changes made.

DSL SETTING
Modulation Type: auto
Phone Line Pair: Inner Pair Outer Pair
Bitswap:
SRA:

URL Redirect

To access the **URL Redirect** page, click on the **Advanced** menu link, at the top, and then click on the **URL Redirect** menu link, on the left.

On this page, we can configure URL Redirect Tunnel Mode connections.

The screenshot shows the D-Link router's web interface. At the top, the D-Link logo is visible. Below it, there are navigation tabs: SETUP, ADVANCED (selected), MAINTENANCE, STATUS, and HELP. On the left, a sidebar lists various configuration options, with 'URL Redirect' selected. The main content area is titled 'URL REDIRECT' and contains a description: 'URL Redirect is to notify user the current URL is blocked by MAC filter or URL filter.' Below this is the 'URL REDIRECT SETTINGS' section, which includes a radio button for 'URL Redirect Support' set to 'Enable' (with 'Disable' also available). An 'Apply' button is located below the settings. A note at the bottom of the settings section reads: 'Note: Setting changes may require a reboot to take effect.' On the right side, there is a 'Helpful Hints..' section with a 'More...' link.

In this section, we can configure the URL Redirect parameters for this router.

URL Redirect Support: Select this option to enable or disable URL Redirect Support feature..

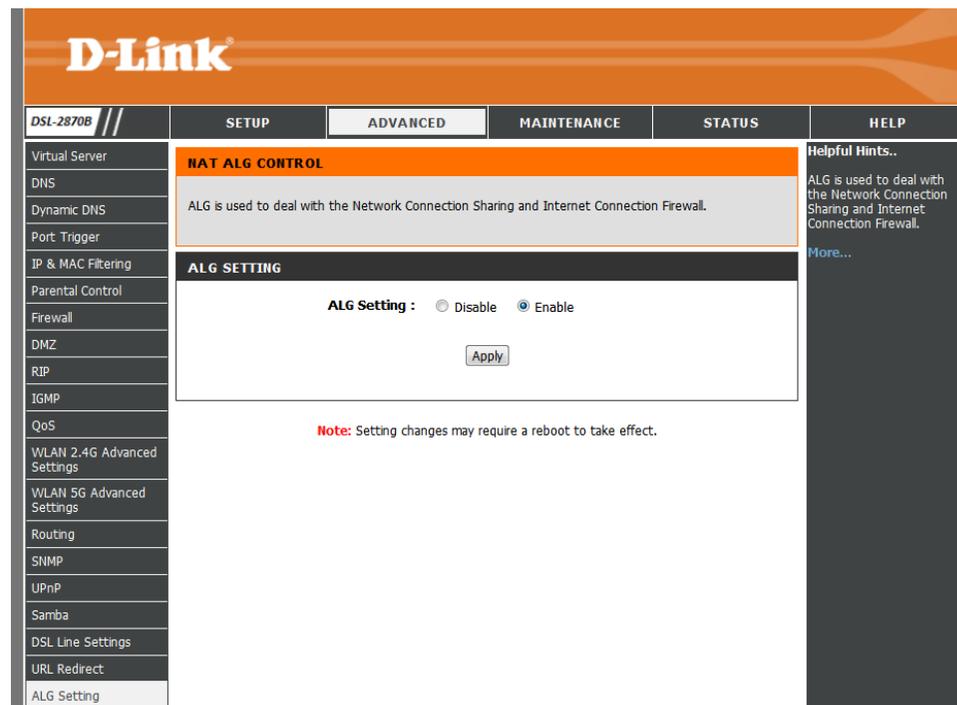
Click the **Apply** button to accept the changes made.

This is a close-up view of the 'URL REDIRECT SETTINGS' section from the screenshot above. It clearly shows the 'URL Redirect Support' label followed by two radio buttons: 'Disable' and 'Enable'. The 'Enable' radio button is selected. Below the radio buttons is an 'Apply' button.

ALG Setting

To access the **ALG Setting** page, click on the **Advanced** menu link, at the top, and then click on the **ALG Setting** menu link, on the left.

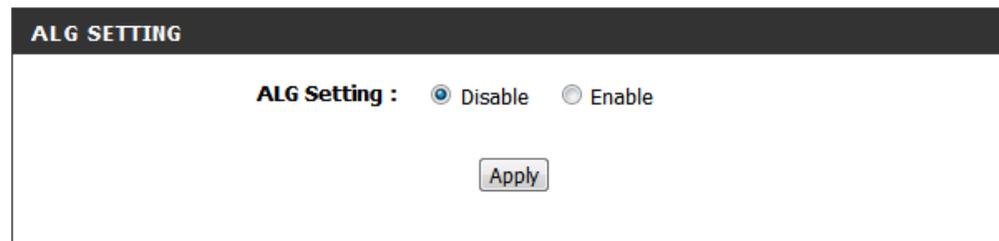
On this page, we can configure ALG Setting connectivity of this product.



In this section, we can configure the ALG parameters for this router.

ALG Setting: Select this option to enable or disable ALG feature..

Click the **Apply** button to accept the changes made.



Budget Quota

To access the **Budget Quota** page, click on the **Advanced** menu link, at the top, and then click on the **Budget Quota** menu link, on the left.

On this page, we can configure **Budget Quota** Setting connectivity of this product.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS HELP

BUDGET QUOTA

Budget Quota can be used to implement the limitation quota and other functions.

LIMITAION QUOTA SETTINGS

Enable Budget Quota : Disable Enable

Select interface : WAN1

Enable current interface control :

Limit time(days) :

Start router time : 01/01/1970 22:08:40

Enable download quota :

Download quota(Max,MB) :

Enable upload quota :

Upload quota(Max,MB) :

Save/Apply Reset

Helpful Hints..

This page allows setting of the limitation quota control WAN interface traffic. Click the checkbox to enable the functions; Click Save/Apply button to save and apply the setting values; Click Reset button to set the Received/Transmitted traffic values to default and update the start router time.

[More...](#)

Please take notice that you can click the "Refresh" button to refresh the Budget Quota page and display the new traffic information per 30 seconds.

In this section, we can configure the **Budget Quota** parameters for this router.

ALG Setting: Select this option to enable or disable ALG feature..

Select interface: Select this option to choose the interface you want to control.

Enable current interface control: Select this option to enable or disable current interface control.

Limit time (days): Enter the limit days here.

Start router time: It is system time and can't be set here.

Enable download quota: Select this option to enable or disable download quota control.

Download quota (Max, MB): Enter the limit download quota here.

Enable upload quota: Select this option to enable or disable upload quota control.

Upload quota (Max,MB): Enter the limit upload quota here.

Click the **Save/Apply** button to accept the changes made.

Click the **Reset** button to clear and revive the limit time, download quota and upload quota.

LIMITAION QUOTA SETTINGS

Enable Budget Quota : Disable Enable

Select interface : WAN1 ▾

Enable current interface control :

Limit time(days) :

Start router time : 01/01/1970 22:21:18

Enable download quota :

Download quota(Max,MB) :

Enable upload quota :

Upload quota(Max,MB) :

In this section, a list of budget quota will be displayed.

Select the **Remove Selected** option and click the **Remove Selected** button to remove the specific entry.

Click the **Refresh** button to refresh the budget quota data.

TRAFFIC INFORMATION

Enable	Interface	Limit time	Start Time	Enable Down	Down Quota	Enable Up	Up Quota	Remove	Edit
Active	WAN1	22	01/01/1970 22:39:53	Enabled	0.00 (2222.00)	Enabled	0.00 (444.00)	<input type="checkbox"/>	<input type="radio"/>

Maintenance Category

The **Maintenance** category is designed to assist the user with maintenance configurations for this product.

The following pages can be found in the **Maintenance** category:

- [Administrator](#) – On this page the user can configure the login username, password and captcha for the web user interface of this product
- [Access Control](#) – On this page the user can configure access control for WAN and LAN interface of this product.
- [System Settings](#) – On this page the user can perform maintenance concerning the System. Services available for configuration are **Backup and Restore Settings, Restore to Factory Default Settings, and a Save and System Reboot.**
- [Firmware Update](#) – On this page, the user can update the running firmware for this product.
- [Diagnostics](#) – On this page, the user can run a diagnostics test that includes testing the Ethernet, Wireless, ATM OAM F4/F5 and Internet Connectivity of this product.
- [System Log](#) – On this page, the user can **View** and **Configure** the **System Log** used by this product.

The screenshot displays the D-Link web management interface for the DSL-2870B. The top navigation bar includes 'D-Link' and tabs for 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'MAINTENANCE' tab is selected. On the left, a sidebar menu lists 'Administration', 'Access Control', 'System Settings', 'Firmware Update', 'Diagnostics', and 'System Log'. The main content area is titled 'ADMINISTRATOR' and contains the following sections:

- ADMINISTRATOR**: A message stating, 'Here you can change the password for the administrator. The username (*admin*) can not be changed.'
- ADMINISTRATOR SETTINGS**: Fields for 'Username' (set to 'admin'), 'Password', and 'Confirm Password', each with a masked input field.
- GRAPHIC LOG-IN AUTHENTICATION (CAPTCHA)**: A section with the heading 'To enhance your router login security.' and a checkbox for 'Enable Captcha'.
- Note**: A red text note stating, 'Setting changes may require a reboot to take effect.'
- Apply**: A button at the bottom of the settings section.

On the right side of the interface, there is a 'Helpful Hints...' section with text explaining that the page allows for password modification and provides security recommendations. A 'More...' link is visible at the bottom of this section.

Administrator

To access the **Administrator** page, click on the **Maintenance** menu link, at the top, and then click on the **Administrator** menu link, on the left.

On this page the user can configure the login username, password and graphic login authentication for the web user interface of this product

The screenshot displays the D-Link web interface for the DSL-2870B. The top navigation bar includes 'DSL-2870B //', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar lists 'Administration', 'Access Control', 'System Settings', 'Firmware Update', 'Diagnostics', and 'System Log', along with 'Internet Offline' status and 'Logout'/'Reboot' buttons. The main content area is titled 'ADMINISTRATOR' and contains the following sections:

- ADMINISTRATOR**: A text box stating, 'Here you can change the password for the administrator. The username (*admin*) can not be changed.'
- ADMINISTRATOR SETTINGS**: Fields for 'Username' (set to 'admin'), 'Password', and 'Confirm Password'.
- GRAPHIC LOG-IN AUTHENTICATION (CAPTCHA)**: A section titled 'To enhance your router login security.' with an 'Enable Captcha' checkbox.
- Note**: 'Setting changes may require a reboot to take effect.'
- Apply**: A button to save the changes.

On the right side, there is a 'Helpful Hints..' section with text: 'This page allows you to modify your router password needed to access this Web management interface. For security reasons, it is recommended that you change your device password from the factory default. Please make sure to choose a password you can remember or write it down and keep in a safe and separate location for future reference. If you forget your device password, the only solution is to reset your router to factory default settings and you will loose all your device configuration settings.' A 'More...' link is also present.

In this section, we can configure the access control account information.

Username: Specify the username for this router here.

Old Password: Enter the old login password for this router here.

New Password: Enter the new login password for this router here.

Confirm Password: Enter the new login password for this router here again.

Enable Captcha: Enable or disable the graphic login authentication for this router here.

Click the **Apply** button to accept the changes made

ADMINISTRATOR SETTINGS	
Username :	admin ▾
Password :	●●●●●●●●●●
Confirm Password :	●●●●●●●●●●
GRAPHIC LOG-IN AUTHENTICATION (CAPTCHA)	
To enhance your router login security.	
Enable Captcha :	<input type="checkbox"/>

Note: Setting changes may require a reboot to take effect.

Apply

Access Control

To access the **Access Control** page, click on the **Maintenance** menu link, at the top, and then click on the **Access Control** menu link, on the left.

On this page the user can configure access control for WAN and LAN interface of this product.

The screenshot displays the D-Link web management interface for the DSL-2870B. The top navigation bar includes 'DSL-2870B //', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains a menu with 'Administration', 'Access Control', 'System Settings', 'Firmware Update', 'Diagnostics', and 'System Log'. Below the menu, there is an 'Internet Offline' indicator and 'Logout' and 'Reboot' buttons. The main content area is titled 'ACCESS CONTROL' and contains the following sections:

- ACCESS CONTROL**: A message stating, "You can control the device. Dualband Wireless N750 Modem Router special protocols from LAN and WAN at this page. The http for lan can not be changed."
- ACCESS CONTROL TYPE**: Radio buttons for 'IPv4' (selected) and 'IPv6'.
- ACCESS CONTROL SETTINGS**:
 - Access From**: Radio buttons for 'WAN' (selected) and 'LAN'.
 - Access Rules**: Radio buttons for 'Disable' and 'Enable' (selected).
 - IP Address**: A text input field containing '0.0.0.0'.
 - HTTP**: Checked checkbox, Port: 8000
 - HTTPS**: Checked checkbox, Port: 443
 - TELNET**: Checked checkbox, Port: 23
 - SSH**: Checked checkbox, Port: 22
 - FTP**: Checked checkbox, Port: 21
 - TFTP**: Checked checkbox, Port: 69
 - SNMP**: Checked checkbox
 - PING**: Checked checkbox

A red note at the bottom states: "Note: Setting changes may require a reboot to take effect." An 'Apply' button is located at the bottom right of the settings area.

In this section, we can configure the access control account information.

Access Control Type: Specify the access control type is IPv4 or IPv6 for this router here.

Access From: Specify the access interface for this router here.

Access Rules: Enable or disable the access rules for this router here.

IP Address: Enter the IP address for this router here, it specify which IP address can access the router.

Access Control Services: Specify the access services for this router here, it includes services: **HTTP**, **HTTPS**, **TELNET**, **SSH**, **FTP**, **TFTP**, **SNMP** and **PING**.

Click the **Apply** button to accept the changes made.

ACCESS CONTROL TYPE

IPv4 IPv6

ACCESS CONTROL SETTINGS

Access From : WAN LAN

Access Rules : Disable Enable

IP Address :

HTTP :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="8000"/>
HTTPS :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="443"/>
TELNET :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="23"/>
SSH :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="22"/>
FTP :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="21"/>
TFTP :	<input checked="" type="checkbox"/>	Port :	<input type="text" value="69"/>
SNMP :	<input checked="" type="checkbox"/>		
PING :	<input checked="" type="checkbox"/>		

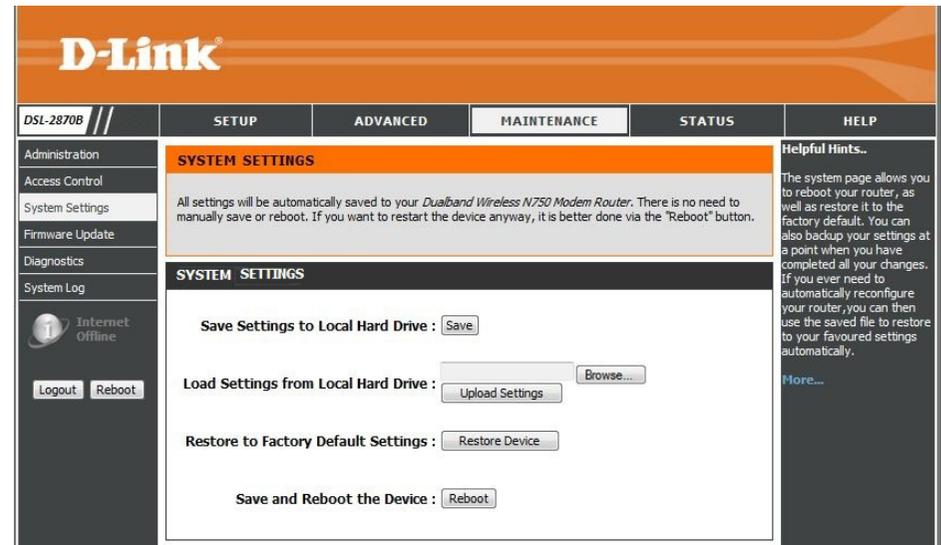
Note: Setting changes may require a reboot to take effect.

Apply

System Settings

To access the **Device Info** page, click on the **Status** menu link, at the top, and then click on the **Device Info** menu link, on the left.

On this page, the user can view information regarding the System, WAN Connectivity, and LAN Connectivity.



In this section we can initiate the configuration backup, restore, restore to factory default setting, save, and reboot the device feature.

Backup Settings: Once you have configured the router to your satisfaction, it is a good idea to back up the configuration file to your computer. To save the current configuration settings to your computer, click the **Save** button of **Save Settings to Local Hard Drive**. You will be prompted to select a location on your computer to put the file. The file type is *bin* and may be named anything you wish.

Restore Settings: To load a previously saved configuration file, click the **Browse** button of **Load Settings from Local Hard Drive** and locate the file on your computer. Click the **Upload Settings** button to load the settings from your local hard drive. Confirm that you want to load the file when prompted. The router will reboot and begin operating with the configuration settings that have just been loaded

Restore to Factory Default Settings: in this section, we can perform a factory reset



on this router. To reset the router to its factory default settings, click the **Restore Device** button of **Restore to Factory Default Settings**. You will be prompted to confirm your decision to reset the router. The router will reboot with the factory default settings.

Save and Reboot the Device: in this section, we can reboot the router. Click the **Reboot** button to initiate the reboot procedure.

Firmware Update

To access the **Firmware Update** page, click on the **Maintenance** menu link, at the top, and then click on the **Firmware Update** menu link, on the left.

On this page, the user can update the running firmware for this product. From time to time, a software update will be available for this product. Keep an eye on the D-Link website for possible software updates that might be available in the future.

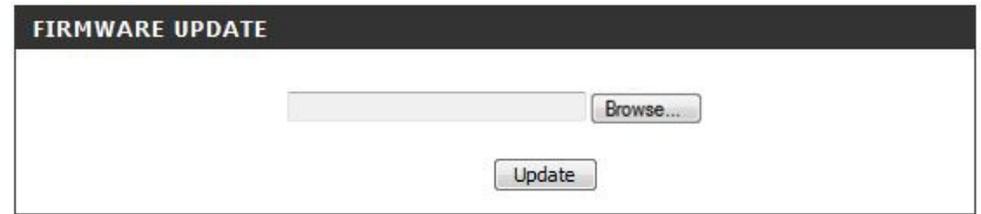
The screenshot shows the D-Link web interface for the DSL-2870B. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar contains 'Administration', 'Access Control', 'System Settings', 'Firmware Update', 'Diagnostics', and 'System Log'. The main content area is titled 'FIRMWARE UPGRADE' and contains three steps: Step 1: Obtain an updated software image file from your ISP. Step 2: Enter the path to the image file location in the box below or click the "Browse" button to locate the image file. Step 3: Click the "Update" button once to upload the new image file. A note states: 'NOTE: The update process takes about 2 minutes to complete, and your Router will reboot.' Below the steps is a 'FIRMWARE INFORMATION' section showing 'Current Firmware Version : 2.00.00' and 'Firmware Date : 03082013'. At the bottom of the main content area is another 'FIRMWARE UPDATE' section with a text input field, a 'Browse...' button, and an 'Update' button. On the right side, there is a 'Helpful Hints..' section with text about firmware updates and a 'More...' link.

In this section, we can view the current firmware information for the device.

This is a close-up screenshot of the 'FIRMWARE INFORMATION' section from the screenshot above. It displays the following text: 'Current Firmware Version : 2.00.00' and 'Firmware Date : 03082013'.

In this section, we can load the latest firmware for the device. Note that the device configuration settings may return to the factory default settings.

To upgrade the firmware, type in the name and path of the file in the **Software File Name** field or click on the **Browse** button to search for the file. Click the **Update** button to begin copying the file. The file will load and restart the router automatically.



The screenshot shows a web interface titled "FIRMWARE UPDATE". It features a text input field for the file name and path, a "Browse..." button to the right of the field, and an "Update" button centered below the field.

Diagnostics

To access the **Diagnostics** page, click on the **Maintenance** menu link, at the top, and then click on the **Diagnostics** menu link, on the left.

On this page, the user can run a diagnostics test that includes testing the Ethernet, Wireless, ATM OAM F4/F5 and Internet Connectivity of this product.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS HELP

Administration
Access Control
System Settings
Firmware Update
Diagnostics
System Log

Internet Offline
Logout Reboot

TOOL TEST

The diagnostics feature executes a series of test of your system software and hardware connections. Use the feature when working with your ISP to troubleshoot problems.

DIAGNOSTIC TEST

Interface : WAN1 Test

Testing Circuit for LAN Connection

Testing Ethernet LAN Physical Port 1 Link State:	Up
Testing Ethernet LAN Physical Port 2 Link State:	Down
Testing Ethernet LAN Physical Port 3 Link State:	Down
Testing Ethernet LAN Physical Port 4 Link State:	Down
Testing Wireless 2.4G Main SSID State:	Up
Testing Wireless 5G Main SSID State:	Up

Testing Circuit for Network Connection

Testing ATM OAM f5 segment ping:	Fail
Testing ATM OAM f5 end to end ping:	Fail
Testing ATM OAM f4 segment ping:	Fail
Testing ATM OAM f4 end to end ping:	Fail

Testing Internet Connectivity

Ping Primary Domain Names Server:	Fail
Ping default gateway	Fail

Helpful Hints...
The tests on this page can be used to verify whether or not your router is working correctly.
[More...](#)

In this section, diagnostic tests are performed to test the connection to the **Local Network** interface and **DSL Service Provider**. This test will include testing the **Ethernet**, **Wireless** connections, **ATM OAM F4/F5**, and **Internet Connectivity** of this router.

DIAGNOSTIC TEST

Interface : WAN1

Testing Circuit for LAN Connection	
Testing Ethernet LAN Physical Port 1 Link State:	Up
Testing Ethernet LAN Physical Port 2 Link State:	Down
Testing Ethernet LAN Physical Port 3 Link State:	Down
Testing Ethernet LAN Physical Port 4 Link State:	Down
Testing Wireless 2.4G Main SSID State:	Up
Testing Wireless 5G Main SSID State:	Up
Testing Circuit for Network Connection	
Testing ATM OAM f5 segment ping:	Fail
Testing ATM OAM f5 end to end ping:	Fail
Testing ATM OAM f4 segment ping:	Fail
Testing ATM OAM f4 end to end ping:	Fail
Testing Internet Connectivity	
Ping Primary Domain Names Server:	Fail
Ping default gateway	Fail

System Log

To access the **System Log** page, click on the **Maintenance** menu link, at the top, and then click on the **System Log** menu link, on the left.

On this page, the user can View and Configure the System Log used by this product.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE STATUS HELP

Administration
Access Control
System Settings
Firmware Update
Diagnostics
System Log

Internet Offline
Logout Reboot

SYSTEM LOG

The system Log allows you to configure local and logging, and to view the logs that have been created.

SYSLOG STATUS

Disabled Enabled

SAVE LOG FILE

Save Log File to Local Hard Drive : Save

LOG LEVEL

Log Level : Notice

REMOTE LOG SETTING

Log Enable :
Remote Log Server IP :

View Log Apply

Note: Setting changes may require a reboot to take effect.

Helpful Hints...
This page allows you to enable, configure and view your router system log. The system log will keep a record of your router activity. Depending on the amount of detail you include in the log, your router can only keep a limited number of log entries due to router memory constraints. If you have an external SYSLOG server, you may choose to configure external logging and all log entries will be sent to your remote server. You can set the Log Level and Display Level to match your needs, with Emergency as the highest level and Debugging as the lowest.
[More...](#)

In this section, we can enable or disable the **System Log** Status for this router.

SYSLOG STATUS

Disabled Enabled

In this section, we can save the **System Log** file to the computer for this router.

SAVE LOG FILE

Save Log File to Local Hard Drive : Save

In this section we can select the System Log level option here. Options to choose from are Emergency, Alert, Critical, Error, Warning, Notice, Information, and Debug.

LOG LEVEL

Log Level : Notice ▼

In this section we can configure the Remote System Log Server for this router.

Log Enable: Specify the Remote log state here. Options to choose from are **Disable** and **Enable**.

Remote Log Server IP: Enter IPv4 or IPv6 IP address for the remote System log server.

REMOTE LOG SETTING

Log Enable :

Remote Log Server IP : IPv4 ▼ 192.168.1.222

Click the Apply/Save button to accept the changes made.

After clicking the View Log button, the following page is available. Please refer to System Log of Status section

D-Link

DSL-2870B //	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
--------------	-------	----------	-------------	--------	------

- Device Info
- System Log
- Statistics
- ARP Table Info
- Routing Table
- DHCP Table
- Wireless Table
- Internet Sessions
- Storage Status

1 Internet Offline

Logout Reboot

SYSTEM LOG

System Log stores internal system informations.

EXTERNAL LOG SERVER

Log Server : Disable
Log Server Address :

LOG FILES

First Page
Last Page
Previous
Next
Clear Log
Refresh
10 column/page
 page 1 of 2

Time	Event
*****	, SYS:001
Jan 1 00:00:22	, mark.emerg 0: SYS:010
Jan 1 00:00:22	, mark.emerg 0: SYS:013
Jan 1 00:00:22	, mark.emerg 0: SYS:016[PPTP]
Jan 1 00:00:22	, mark.emerg 0: SYS:016[IPSec]
Jan 1 00:00:22	, mark.emerg 0: SYS:016[L2TP]
Jan 1 00:00:24	, user.notice 0: URL blocking disabled.
Jan 1 00:00:24	, user.notice 0: Domain blocking disabled.
Jan 1 00:00:27	, user.notice syslog: DBROS-WebServer/1.0 starting on port 80

Helpful Hints..

System Log stores internal system informations. The messages may be helpful when trouble shooting.

Click on the "Refresh" button to refresh the list.

[More...](#)

Status Category

The **Status** category is designed to assist the user with information display pages, concerning the configuration and behavior of this product.

The following pages can be found in the **Status** category:

- [Device Info](#) – On this page the user can view information regarding the System and Internet Connectivity.
- [System Log](#) – On this page the user can view System Log information.
- [Statistics](#) – On this page the user can view statistical information about the LAN, WAN, xTM, and xDSL interfaces.
- [ARP Table info](#) – On this page the user can view the mapped IP address to its corresponding MAC address and interface name where packets are forwarded.
- [Route Info](#) – On this page the user can view information about routes used by this product.
- [DHCP Table](#) – On this page the user can view a list of **DHCP clients** that are currently connected to this product.
- [Wireless Table](#) – On this page the user can view authenticated wireless stations and their status.
- [Internet Sessions](#) – On this page the user can view full details of active internet sessions to your router.
- [Storage Service](#) - On this page, the user can view the amount of storage space available.

The screenshot displays the D-Link web interface for the DSL-2870B. The main navigation bar includes 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The 'STATUS' page is selected, showing a left sidebar with links to 'Device Info', 'System Log', 'Statistics', 'ARP Table Info', 'Routing Table', 'DHCP Table', 'Wireless Table', 'Internet Sessions', and 'Storage Status'. The main content area is divided into sections: 'DEVICE' (with a description of the status page), 'GENERAL' (showing 'Current Time: 01/01/1970 03:38:57', 'ADSL Firmware Version: A2pv6F037b.d24a', and 'Firmware Version: 2.00.00'), and 'INTERNET STATUS' (showing 'Connection: WAN1', 'Status: Disconnected', 'Connection Type: N/A', 'IP Address: 0.0.0.0', 'Subnet Mask: 0.0.0.0', 'Default Gateway: 0.0.0.0', 'DNS Server: 0.0.0.0', and IPv6 details). A 'Helpful Hints...' sidebar on the right provides additional context.

Device Info

To access the **Device Info** page, click on the **Status** menu link, at the top, and then click on the **Device Info** menu link, on the left.

On this page, the user can view information regarding the System, WAN Connectivity, LAN Connectivity and Wireless Connectivity.

D-Link	
DSL-2870B	SETUP ADVANCED MAINTENANCE STATUS HELP
Device Info System Log Statistics ARP Table Info Routing Table DHCP Table Wireless Table Internet Sessions Storage Status	<p>DEVICE</p> <p>The Device Status page allows you to check the status of your Internet connection, Wireless LAN and LAN.</p> <p>GENERAL</p> <p>Current Time : 01/01/1970 03:38:57 ADSL Firmware Version : A2pv6F037b.d24a Firmware Version : 2.00.00</p> <p>INTERNET STATUS</p> <p>Connection : WAN1 Status : Disconnected Connection Type : N/A IP Address : 0.0.0.0 Subnet Mask : 0.0.0.0 Default Gateway : 0.0.0.0 DNS Server : 0.0.0.0</p> <p>IPv6 Connection Type : IPv6 Network Status : WAN IPv6 Address : / IPv6 Default Gateway : LAN IPv6 Address : / LAN IPv6 Link-Local Address :</p>

In this section, we can view **System General Information**.

GENERAL
<p>Current Time : 01/01/1970 03:38:57 ADSL Firmware Version : A2pv6F037b.d24a Firmware Version : 2.00.00</p>

In this section, we can view **Internet Information**.

INTERNET STATUS	
Connection :	WAN1 ▾
Status :	Disconnected
Connection Type :	N/A
IP Address :	0.0.0.0
Subnet Mask :	0.0.0.0
Default Gateway :	0.0.0.0
DNS Server :	0.0.0.0
IPv6 Connection Type :	
IPv6 Network Status :	
WAN IPv6 Address :	/
IPv6 Default Gateway :	
LAN IPv6 Address :	/
LAN IPv6 Link-Local Address :	
IPv6 Primary DNS Server :	
IPv6 Secondary DNS Server :	

In this section, we can view **Wireless 2.4G Information**.

WIRELESS 2.4G LAN	
Wireless Status :	Enable
Networks Name (SSID) :	dlink-2870B-z
MAC Address :	00:15:E9:C4:A9:7F
Channel :	5
Security Type :	None

In this section we can view **Wireless 5.2G Information**.

WIRELESS 5G LAN	
Wireless Status :	Enable
Networks Name (SSID) :	dlink-2870B5G-z
MAC Address :	00:15:E9:C4:A9:80
Channel :	54
Security Type :	None

In this section, we can view **LAN Information**.

LAN	
MAC Address :	00:15:e9:c4:a9:7e
IP Address :	192.168.1.1
Subnet Mask :	255.255.255.0
DHCP Server :	Enabled

System Log

To access the **System Log** page, click on the **Status** menu link, at the top, and then click on the **System Log** menu link, on the left.

On this page, the user can view System Log information.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE **STATUS** HELP

Device Info
System Log
Statistics
ARP Table Info
Routing Table
DHCP Table
Wireless Table
Internet Sessions
Storage Status

Internet Offline
Logout Reboot

SYSTEM LOG

System Log stores internal system informations.

EXTERNAL LOG SERVER

Log Server : Disable
Log Server Address :

LOG FILES

First Page Last Page Previous Next Clear Log Refresh 10 column/page
page 1 of 2

Time	Event
***** , SYS:001	
Jan 1 00:00:22 , mark.emerg 0: SYS:010	
Jan 1 00:00:22 , mark.emerg 0: SYS:013	
Jan 1 00:00:22 , mark.emerg 0: SYS:016[PPTP]	
Jan 1 00:00:22 , mark.emerg 0: SYS:016[IPSec]	
Jan 1 00:00:22 , mark.emerg 0: SYS:016[L2TP]	
Jan 1 00:00:24 , user.notice 0: URL blocking disabled.	
Jan 1 00:00:24 , user.notice 0: Domain blocking disabled.	
Jan 1 00:00:27 , user.notice syslog: DBROS-WebServer/1.0 starting on port 80	

Helpful Hints..
System Log stores internal system informations. The messages may be helpful when trouble shooting.
Click on the "Refresh" button to refresh the list.
[More...](#)

In this section, we can view external log server state and IP address.

EXTERNAL LOG SERVER

Log Server : Enable
Log Server Address : 192.168.0.146

In this section, we can view log information.

First Page: Click the button, the log page will return to first page of the log information.

Last Page: Click the button, the log page will return to last page of the log information.

Previous: Click the button, the log page will return to previous page of the log information.

Next: Click the button, the log page will return to next page of the log information.

Clear Log: Click the button, it will clear all log information for this router.

Refresh: Click the button; it will refresh the log information page.



The screenshot displays the 'LOG FILES' section of a web interface. At the top, there are navigation buttons: 'First Page', 'Last Page', 'Previous', 'Next', 'Clear Log', and 'Refresh'. To the right of these buttons is a dropdown menu set to '10' and the text 'column/page'. Below the buttons, it says 'page 1 of 2'. The main content is a table with two columns: 'Time' and 'Event'. The table contains the following log entries:

Time	Event
*****	, SYS:001
Jan 1 00:00:22	, mark.emerg 0: SYS:010
Jan 1 00:00:22	, mark.emerg 0: SYS:013
Jan 1 00:00:22	, mark.emerg 0: SYS:016[PPTP]
Jan 1 00:00:22	, mark.emerg 0: SYS:016[IPSec]
Jan 1 00:00:22	, mark.emerg 0: SYS:016[L2TP]
Jan 1 00:00:24	, user.notice 0: URL blocking disabled.
Jan 1 00:00:24	, user.notice 0: Domain blocking disabled.
Jan 1 00:00:27	, user.notice syslog: DBROS-WebServer/1.0 starting on port 80
Jan 1 00:00:27	, user.warn syslog: initgroups - No such file or directory

Statistics

To access the **Statistics** page, click on the **Status** menu link, at the top, and then click on the **Statistics** menu link, on the left.

On this page, the user can view statistical information about various interfaces used by this product.

Information available for observations are includes LAN, WAN and xDSL.

D-Link

DSL-2870B // SETUP ADVANCED MAINTENANCE **STATUS** HELP

Device Info
System Log
Statistics
ARP Table Info
Routing Table
DHCP Table
Wireless Table
Internet Sessions
Storage Status

Internet Offline
Logout Reboot

TRAFFIC STATISTICS
Traffic Statistics display Receive and Transmit packets passing through the Device.
Refresh

STATISTICS

Interface	Transmit				Receive			
	Bytes	Pkts	Errs	Drops	Bytes	Pkts	Errs	Drops
LAN1	423172	335	0	0	24492	244	0	0
Port1	0	334	0	0	0	328	0	0
Port2	0	0	0	0	0	0	0	0
Port3	0	0	0	0	0	0	0	0
Port4	0	0	0	0	0	0	0	0
WAN: WAN1	0	0	0	0	0	0	0	0
Wireless2.4G: dlink-2870B-z	1328	9	0	0	0	0	0	0
Wireless5G: dlink-2870B5G-z	0	0	0	0	0	0	0	0

ADSL STATUS

Line State	Down
Modulation	Unknown
Annex Mode	AnnexA

Helpful Hints..
This is a summary of the number of packets that have passed between the WAN and the LAN since the router was last initialized.
[More...](#)

In this section, we can view **Local Network**, **Wireless** and **WAN Statistics**.

WAN: Select WAN interface to view WAN Statistics.

STATISTICS								
Interface	Transmit				Receive			
	Bytes	Pkts	Errs	Drops	Bytes	Pkts	Errs	Drops
LAN1	1024638	983	0	0	537277	3898	0	0
Port1	0	982	0	0	0	555	0	0
Port2	0	0	0	0	0	0	0	0
Port3	0	0	0	0	0	0	0	0
Port4	0	0	0	0	0	0	0	0
WAN: WAN1 ▾	0	0	0	0	0	0	0	0
Wireless2.4G: dlink-2870B-sun-z	25108	138	0	0	0	0	0	0
Wireless5G: dlink-2870B5G-z	21867	114	0	0	0	0	0	0

In this section, we can view **xDSL Line Status** and **Statistics**.

ADSL STATUS		
Line State	Down	
Modulation	Unknown	
Annex Mode	AnnexA	
	Downstream	Upstream
Data Rate	0	0
Maximum Attainable Data Rate(ATTNDR)	0	0
Interleaver Depth	0	0
Line Attenuation(LATN)	0	0
Signal Attenuation(SATN)		
Signal-to-Noise Ratio Margin(SNRM)	0	0
Actual Aggregate Transmit Power(ACATP)	0	0
	Near End	Far End
Superframe	0	
LOS Failure	0	0
LOF Failure	0	0
LPR Failure	0	0
NCD Failure	0	0
LCD Failure	0	0
CRC	0	0
RS Correction	0	0
Forward Error Correction Seconds(FECS-L)	0	0
Errored Second(ES-L)	0	0
Severely Errored Seconds(SES-L)	0	0
Loss of Signal Seconds(LOSS-L)	0	0
Unavailable Seconds(UAS-L)	0	0
HEC Error	0	0

ARP Table Info

To access the **ARP Table Info** page, click on the **Status** menu link, at the top, and then click on the **ARP Table info** menu link, on the left.

On this page the user can view the mapped IP address to its corresponding MAC address and interface name where packets are forwarded.

The screenshot shows the D-Link router's web interface. The top navigation bar includes the D-Link logo and tabs for DSL-2870B, SETUP, ADVANCED, MAINTENANCE, STATUS, and HELP. The left sidebar menu lists various system pages, with 'ARP Table Info' selected. The main content area is titled 'ARP STATUS' and contains a description: 'The ARP Table shows the mapped IP address to its corresponding MAC address and interface name where packets are forwarded.' Below this is a 'Refresh' button. Underneath is a table titled 'ARP TABLE LISTS' with the following data:

IP Address	HW address	Device
192.168.1.22	00:24:e8:83:30:18	br0
192.168.1.2	00:16:e3:e9:c0:cb	br0

In this section, we can view a ARP Table information.

ARP TABLE LISTS		
IP Address	HW address	Device
192.168.1.22	00:24:e8:83:30:18	br0
192.168.1.2	00:16:e3:e9:c0:cb	br0

Route Table

To access the **Route Table** page, click on the **Status** menu link, at the top, and then click on the **Route Table** menu link, on the left.

On this page the user can view information about routes used by this product.

In this section, we can view **Route Information**.

The information available in the **Flag** field can be translated to the following:

U means Up. **!** Means Reject. **G** means Gateway. **H** means Host. **R** means Reinstate.

D means Dynamic or Redirect. **M** means Modified or also Redirect.

ROUTING TABLE LISTS							
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Interface
192.168.1.0	0.0.0.0	255.255.255.0	U	0	0	0	br0

DHCP Table

To access the **DHCP Table** page, click on the **Status** menu link, at the top, and then click on the **DHCP Table** menu link, on the left.

On the page, the user can view a list of DHCP clients that are currently connected to this product.

The screenshot shows the D-Link router's web interface. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar menu includes 'Device Info', 'System Log', 'Statistics', 'ARP Table Info', 'Routing Table', 'DHCP Table', 'Wireless Table', 'Internet Sessions', and 'Storage Status'. The main content area is titled 'DHCP CLIENTS' and contains a 'Refresh' button. Below this is a table titled 'EXISTING DHCP CLIENT' with the following data:

Host Name	IP address	MAC Address	Lease Time	Interface
DLINK-JackSunNB	192.168.1.2	00:16:E3:E9:C0:CB		WLAN

On the right side, there is a 'Helpful Hints...' section with the text: 'This is a list of all LAN clients that are currently connected to your wireless router. More...'. At the bottom left, there is an 'Internet Offline' status indicator and 'Logout' and 'Reboot' buttons.

In this section, we can view a list of **DHCP Clients**.

EXISTING DHCP CLIENT				
Host Name	IP address	MAC Address	Lease Time	Interface

Wireless Table

To access the **Wireless Table** page, click on the **Status** menu link, at the top, and then click on the **Wireless Table** menu link, on the left.

On this page, the user can view authenticated wireless stations and their status.

In this section, we can view Wireless 2.4G stations and their status.

WIRELESS 2.4G TABLE LIST		
MAC	SSID	Interface
00:16:E3:E9:C0:CB	dlink-2870B-sun-z	wl0

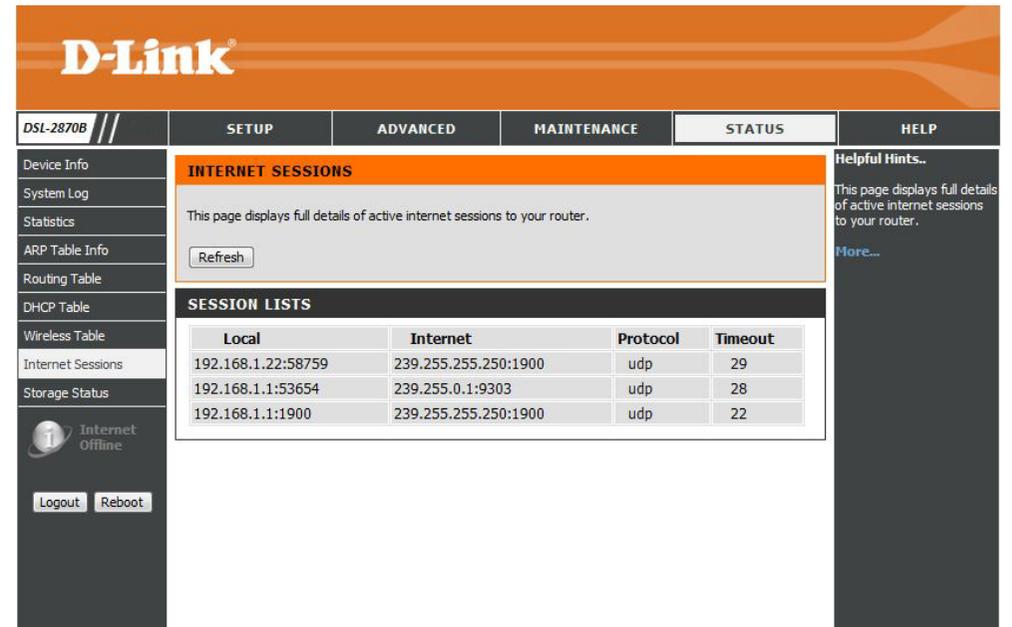
In this section, we can view Wireless 5G stations and their status.

WIRELESS 5G TABLE LIST		
MAC	SSID	Interface

Internet Session

To access the **Internet Session** page, click on the **Status** menu link, at the top, and then click on the **Internet Session** menu link, on the left.

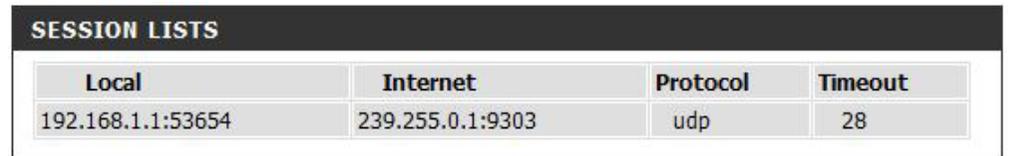
On this page, the user can view full details of active internet sessions to your router.



The screenshot shows the D-Link router's web interface. The top navigation bar includes 'DSL-2870B', 'SETUP', 'ADVANCED', 'MAINTENANCE', 'STATUS', and 'HELP'. The left sidebar menu includes 'Device Info', 'System Log', 'Statistics', 'ARP Table Info', 'Routing Table', 'DHCP Table', 'Wireless Table', 'Internet Sessions', and 'Storage Status'. The main content area is titled 'INTERNET SESSIONS' and contains a message: 'This page displays full details of active internet sessions to your router.' Below this is a 'Refresh' button. Underneath is a 'SESSION LISTS' section with a table showing active sessions.

Local	Internet	Protocol	Timeout
192.168.1.22:58759	239.255.255.250:1900	udp	29
192.168.1.1:53654	239.255.0.1:9303	udp	28
192.168.1.1:1900	239.255.255.250:1900	udp	22

In this section, we can view internet session list.



This is a close-up of the 'SESSION LISTS' table from the screenshot above. It shows a single row of session data.

Local	Internet	Protocol	Timeout
192.168.1.1:53654	239.255.0.1:9303	udp	28

Storage Service

To access the **Storage Service** page, click on the **Status** menu link, at the top, and then click on the **Storage Service** menu link, on the left.

On this page, the user can configure services related to the Storage Services of this product.

The screenshot shows the D-Link Storage Service page. The main content area is titled "STORAGE STATUS" and contains the following text: "The Storage Status displays the amount of storage space available." Below this text is a "Refresh" button. Underneath is a section titled "STORAGE TABLE LISTS" with a table header. The table header has the following columns: Device, Filesystem, Size, Used, Available, and Use%. The table body is currently empty. To the right of the main content area is a "Helpful Hints.." section with the text: "This page shows all storage status information: devices and disk size." and a "More..." link. At the bottom of the page, there is a status indicator for "Internet Offline" and "Logout" and "Reboot" buttons.

In this page, we can view information about the USB storage device that is inserted into the USB port of this router.

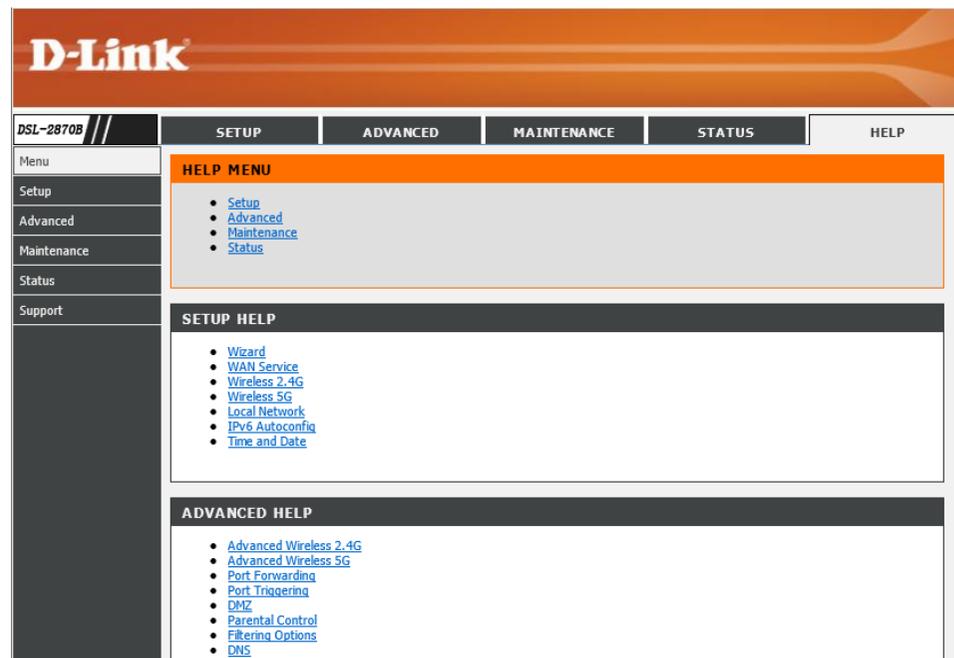
STORAGE TABLE LISTS					
Device	Filesystem	Size	Used	Available	Use%

Help Category

The **Help** category is designed to assist the user with helpful information about every topic found on the web user interface of this product.

The following pages can be found in the **Help** category:

- **Menu** – On this page, the user can navigate easily to any page throughout the menu structure to access help information.
- **Setup** – On this page, the user can read more about topics discussed in the Setup category.
- **Advanced** – On this page, the user can read more about topics discussed in the Advanced category.
- **Maintenance** – On this page, the user can read more about topics discussed in the Maintenance category.
- **Status** – On this page, the user can read more about topics discussed in the Status category.



Knowledge Base

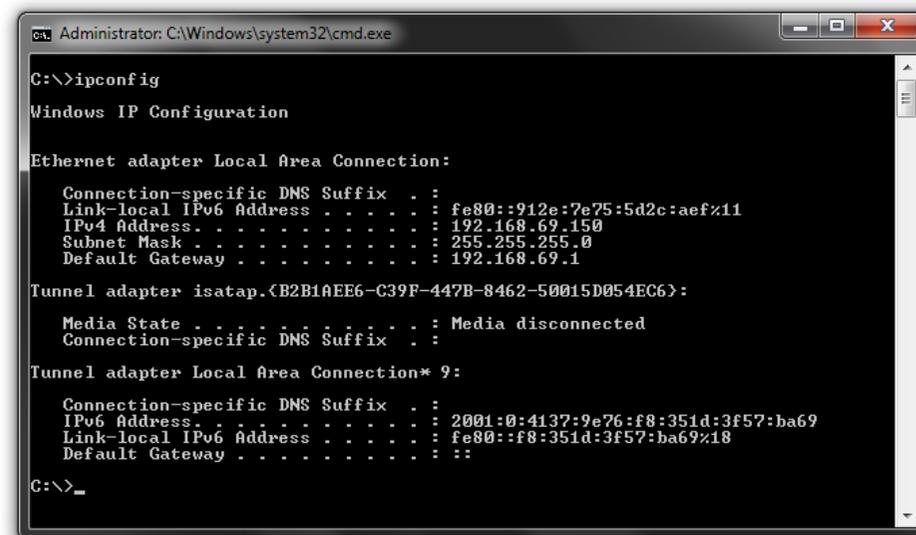
Networking Basics

Check your IP address

After you installed your new network or wireless adapter, by default, the TCP/IP settings should be set to obtain an IP address automatically from a DHCP server. By default the DHCP server option on your router is enabled.

To verify your IP address, please follow the steps below:

- Click on the Windows **Start** button and open the **Run** application.
- In the **Open** box type *cmd* and click **OK**.
- At the command prompt, type in the command *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*, it means that your network adapter did not receive an IP address from the DHCP server. 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.



```
Administrator: C:\Windows\system32\cmd.exe
C:\>ipconfig

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::912e:7e75:5d2c:aefz11
    IPv4 Address. . . . . : 192.168.69.150
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.69.1

Tunnel adapter isatap.{B2B1AEE6-C39F-447B-8462-50015D054EC6}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter Local Area Connection* 9:

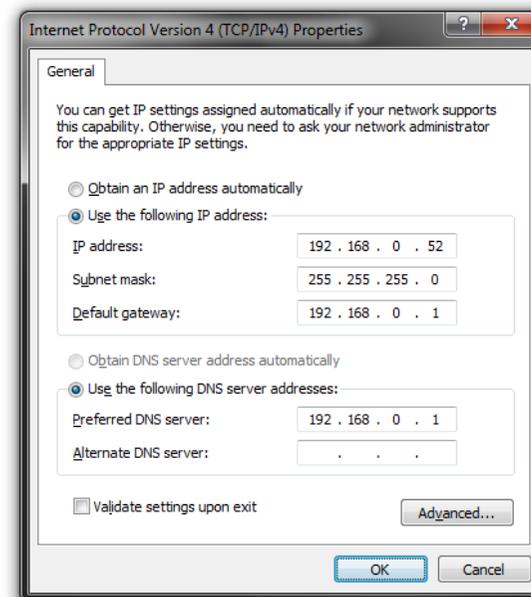
    Connection-specific DNS Suffix  . : 
    IPv6 Address. . . . . : 2001:0:4137:9e76:f8:351d:3f57:ba69
    Link-local IPv6 Address . . . . . : fe80::f8:351d:3f57:ba69z18
    Default Gateway . . . . . : ::

C:\>_
```

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:

- Click on the Windows **Start** button and navigate to the **Control Panel > Network and Sharing Center** and click on the **Change Adapter Settings** option on the left panel.
- Right-click on the **Local Area Connection**, which represents your network adapter, and select **Properties**.
- Select the **Internet Protocol Version 4 (TCP/IPv4)** option and click on the **Properties** button.
- Select **Use the following IP address** and enter an IP address that is on the same subnet as your router. For example: If your router is running on the IP address of **192.168.1.1**, use any IP address from **192.168.1.2** to **192.168.69.254**. Use the Subnet Mask of **255.255.255.0**. Set Default Gateway the same as the LAN IP address of your router. Set Preferred DNS server IP address the same as the LAN IP address of your router. The Secondary DNS is not needed at this stage.
- Click the **OK** button twice to return to the **Network Connections** window.



Wireless Basics

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 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.

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, we have 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 Wireless 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 your 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 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.

Wireless Security

This section will show you the different levels of security you can use to protect your data from intruders. The router offers wireless security options like WPA/WPA2 PSK/EAP.

What is WPA?

WPA (Wi-Fi Protected Access) is a Wi-Fi standard that was designed to improve the security features of WEP (Wired Equivalent Privacy).

The 2 major improvements over WEP:

- Improved data encryption through the Temporal Key Integrity Protocol (TKIP). TKIP scrambles the keys using a hashing algorithm and, by adding an integrity-checking feature, ensures that the keys haven't been tampered with. WPA2 is based on 802.11i and uses Advanced Encryption Standard (AES) instead of TKIP.
- User authentication, which is generally missing in WEP, through the extensible authentication protocol (EAP). WEP regulates access to a wireless network based on a computer's hardware-specific MAC address, which is relatively simple to be sniffed out and stolen. EAP is built on a more secure public-key encryption system to ensure that only authorized network users can access the network.

WPA-PSK/WPA2-PSK uses a passphrase or key to authenticate your wireless connection. The key is an alpha-numeric password between 8 and 63 characters long. The password can include symbols (!?*&_) and spaces. This key must be the exact same key entered on your wireless router or access point.

WPA/WPA2 incorporates user authentication through the Extensible Authentication Protocol (EAP). EAP is built on a more secure public key encryption system to ensure that only authorized network users can access the network.

Frequently Asked Questions

What can I do if my Router is not working correctly?

There are a few quick steps you can take to try and resolve any issues:

- Check that all the cables are firmly connected at both ends.
- Check that all the corresponding LED indicators are on, especially the Power, DSL, and LAN LED indicators. For more information about LED indicators refer to the [Front Panel](#) on page 6.
- Ensure that the settings on the WAN Service page in the Web User Interface are the same as the settings that have been provided to you by your ISP. For more information refer to [WAN Service](#) on page 23.

Why can't I get an Internet connection?

For ADSL ISP users, please contact your ISP to make sure the service has been enabled/connected by your ISP and that your ISP username and password are correct.

What can I do if I forgot my web UI login 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 10-15 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 **192.168.1.1**. When logging in, the username is **'admin'** and the password is **'admin'**.

Technical Specifications

Hardware Specifications

- LAN Interface: Four 10/100/1000Mbps LAN ports
- DSL Interface: One RJ11 Internet port
- Wireless Interface (2.4Ghz): IEEE 802.11b/g/n
- Wireless Interface (5Ghz): IEEE 802.11a/n
- USB Interface: Complaint USB 2.0

Operating Voltage

- Input: 100~240V ($\pm 10\%$), 50~60Hz
- Output: DC12V, 1.5A

Temperature

- Operating: 32°F~104°F (0°C~40°C)
- Non-Operating: -4°F~149°F (-20°C~65°C)

Humidity

- Operating: 10%~90% non-condensing
- Non-Operating: 5%~95% non-condensing

ADSL Standards

- ANSI T1.413 Issue 2
- ITU G.992.1 (G.dmt) Annex A
- ITU G.992.2 (G.lite) Annex A
- ITU G.994.1 (G.hs)

ADSL2 Standards

- ITU G.992.3 (G.dmt.bis) Annex A
- ITU G.992.4 (G.lite.bis) Annex A

ADSL2+ Standards

- ITU G.992.5 Annex A

ADSL Data Transfer Rate

- G.dmt full rate downstream: up to 8 Mbps / upstream: up to 1 Mbps
- G.lite: ADSL downstream up to 1.5 Mbps / upstream up to 512 Kbps
- G.dmt.bis full rate downstream: up to 12 Mbps / upstream: up to 12 Mbps
- ADSL full rate downstream: up to 24 Mbps / upstream: up to 1 Mbps

Wireless Frequency Range

- IEEE 802.11a: 5150 MHz~5350 MHz
- IEEE 802.11b: 2400 MHz~2497 MHz
- IEEE 802.11g: 2400 MHz~2497 MHz
- IEEE 802.11n: 2400 MHz~2497 MHz, 5150 MHz~5350 MHz

Wireless Bandwidth Rate

- IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, and 6 Mbps
- IEEE 802.11b: 11, 5.5, 2, and 1 Mbps
- IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, and 6 Mbps
- IEEE 802.11an: 6.5 to 450 Mbps
- IEEE 802.11gn: 6.5 to 300 Mbps

Wireless Channel Numbers

- IEEE 802.11a: Channels 36~64
- IEEE 802.11b: Channels 1~11 (USA), 1~13 (Europe), 1~14 (Japan)
- IEEE 802.11g: Channels 1~11 (USA), 1~13 (Europe), 1~14 (Japan)
- IEEE 802.11n: Channels 1~11 (USA), 1~13 (Europe), 1~14 (Japan), Channels 36~64

Antenna Type

- Five Internal Antennas (Two 2.4 GHz Antennas, Three 5 GHz Antennas)

Wireless Security

- 64/128bit WEP, WPA/WPA2-Personal, WPA/WPA2-Enterprise, WPS (PIN & PBC)

Certifications

- FCC P68/P15B, CE, A-tick.

Dimensions & Weight

- 213 x 173 x 52 mm (8.39 x 6.81 x 2.05 in)
- 405.52 grams (0.89 lbs)