DSL-2730E

User Manual

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC - PART 68

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:3P7DL01B2750EV1. If requested, this number must be provided to the telephone company.

This equipment uses the following USOC jacks: RJ-45&RJ-11

REN (RINGER EQUIVALENT NUMBERS) STATEMENT Notice: The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

ATTACHMENT LIMITATIONS STATEMENT

Notice: This equipment meets telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s). This is confirmed by marking the equipment with the Industry Canada certification number. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together.

This precaution may be particularly important in rural areas. Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

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1 Introduction

The DSL-2730E supports multiple line modes. With four 10/100 base-T Ethernet interfaces at the user end, the device provides high-speed ADSL broadband connection to the Internet or Intranet for high-end users like net bars and office users. It provides high performance access to the Internet with a downstream rate of 24 Mbps and an upstream rate of 1 Mbps. It supports IPV6.

The device supports WLAN access, such as WLAN AP or WLAN device, to the Internet. It complies with specifications of IEEE 802.11, 802.11b/g/n, WEP, WPA, and WPA2 security. The WLAN of the device supports 1T1R.

1.1 Packing List

- 1 x DSL-2730E
- 1 x external splitter
- 1 x power adapter
- 1 x telephone cables (RJ-11)
- 1 x Ethernet cable (RJ-45)
- 1 x QIG

1.2 Safety Precautions

Take the following instructions to prevent the device from risks and damage caused by fire or electric power:

- Use the type of power marked in the volume label.
- Use the power adapter in the product package.
- Pay attention to the power load of the outlet or prolonged lines. An overburden power outlet or damaged lines or plugs may cause electric shock or fire accidents. Check the power cords regularly. If you find any damage, replace it at once.
- Proper space left for heat dissipation is necessary to avoid damage caused by overheating to the device. The long and thin holes on the device are designed for heat dissipation to ensure that the device works normally. Do not cover these heat dissipation holes.

- Do not put this device close to a heat source or under a high temperature occurs. Keep the device away from direct sunshine.
- Do not put this device close to an overdamp or watery place. Do not spill fluid on this device.
- Do not connect this device to a PC or electronic product unless instructed by our customer engineer or your broadband provider. Wrong connection may cause power or fire risk.
- Do not place this device on an unstable surface or support.

1.3 LEDs and Interfaces

Note:

The figures in this document are for reference only.

Front Panel

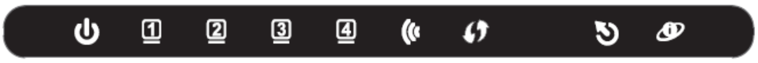


Figure 1 Front panel

The following table describes the LEDs of the device.

LED	Color	Status	Description
⏻ Power	Green	Off	The power is off.
		On	The power is on and the initialization is normal.
	Red	On	The device is initiating.
		Blinks	The firmware is upgrading.
🖵 LAN 1/2/3/4	Green	Off	No LAN link.
		Blinks	Data is being transmitted through the LAN interface.
		On	The connection of LAN interface is normal.

LED	Color	Status	Description
WLAN	Green	Blinks	Data is transmitted through the WLAN interface.
		On	The connection of WLAN interface is normal.
		Off	The WLAN connection is not established.
WPS	Blue	Blinks	WPS negotiation is enabled, waiting for the clients.
		Off	WPS negotiation is not enabled on the device.
DSL	Green	Off	Initial self-test is failed.
		Blinks	The device is detecting itself.
		On	Initial self-test of the unit has passed and is ready.
Internet	Green	Off	The device is under the Bridge mode, DSL connection is not present, or the power is off.
		Blinks	Internet data is being transmitted in the routing mode.
		On	IP is connected.
	Red	On	The device is attempted to become IP connected, but failed.

Rear Panel

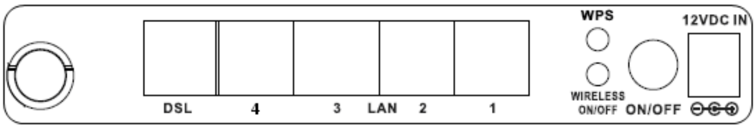


Figure 2 Rear panel

The following table describes the interface of the device.

Interface/Button	**Description**
◎	Antenna position
DSL	RJ-11 interface that connects to the telephone set through the telephone cable.
LAN4/3/2/1	Ethernet RJ-45 interfaces that connect to the Ethernet interfaces of computers or Ethernet devices.
WPS	Press the button for 1 second to enable WPS function.
WIRELESS ON/OFF	Press the button silently to enable WLAN function.
ON/OFF	Power on or off the device.
12V DCIN	Interface that connects to the power adapter. The power adapter output is: 12V DC, 500mA.
Reset (on the bottom case)	Reset to the factory defaults. To restore factory defaults, keep the device powered on and push a paper clip into the hole. Press down the button for 1 second and then release.

1.4 System Requirements

- A 10 baseT/100BaseT Ethernet card installed on your PC
- A hub or switch (attached to several PCs through one of Ethernet interfaces on the device)
- Operating system: Windows Vista, Windows 7, Windows 98SE, Windows 2000, Windows ME or Windows XP
- Internet Explorer V5.0 or higher, Netscape V4.0 or higher, or Firefox 1.5 or higher

1.5 Features

- Various line modes
- External PPPoE dial-up access
- Internal PPPoE and PPPoA dial-up access
- Leased line mode
- 1483B, 1483R, and MER access

- Multiple PVCs (eight at most) and these PVCs can be isolated from each other
- A single PVC with multiple sessions
- Multiple PVCs with multiple sessions
- Binding of ports with PVCs
- 802.1Q and 802.1P protocol
- DHCP server
- NAT and NAPT
- Static route
- Firmware upgrade: Web, TFTP, FTP
- Reset to the factory defaults
- DNS relay
- Virtual server
- DMZ
- Two-level passwords and user names
- Web user interface
- Telnet CLI
- System status display
- PPP session PAP and CHAP
- IP filter
- IP QoS
- Remote access control
- Line connection status test
- Remote management (telnet and HTTP)
- Backup and restoration of configuration file
- Ethernet interface supports crossover detection, auto-correction and polarity correction
- UPnP
- IPV6

2 Hardware Installation

Step 1 Connect the **DSL** port of the device and the **Modem** port of the splitter with a telephone cable. Connect the phone to the **Phone** port of the splitter through a telephone cable. Connect the incoming line to the **Line** port of the splitter.

The splitter has three ports:

- Line: Connect to a wall phone port (RJ-11 jack).
- Modem: Connect to the DSL port of the device.
- Phone: Connect to a telephone set.

Step 2 Connect a **LAN** port of the device to the network card of the PC through an Ethernet cable (MDI/MDIX).

Note:
Use twisted-pair cables to connect the device to a Hub or switch.

Step 3 Plug one end of the power adapter to the wall outlet and the other end to the **Power** port of the device.

Figure 3 displays the application diagram for the connection of the device, PC, splitter and telephone sets, when no telephone set is placed before the splitter.

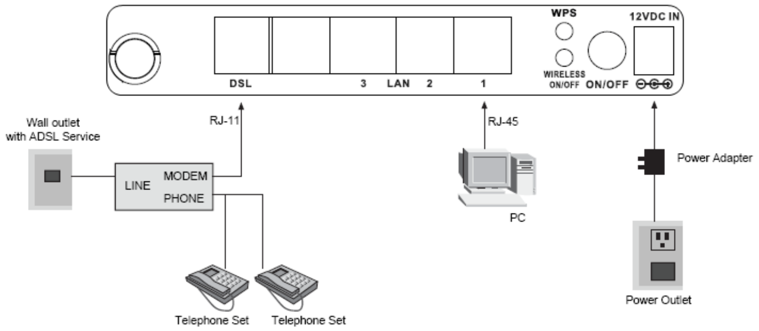

WPS
12VDC IN
DSL
3 LAN 2
1
WIRELESS ON/OFF
ON/OFF
Wall outlet with ADSL Service
RJ-11
RJ-45
LINE
MODEM
PHONE
PC
Power Adapter
Power Outlet
Telephone Set
Telephone Set

Figure 3 Connection diagram

3 Web Configuration

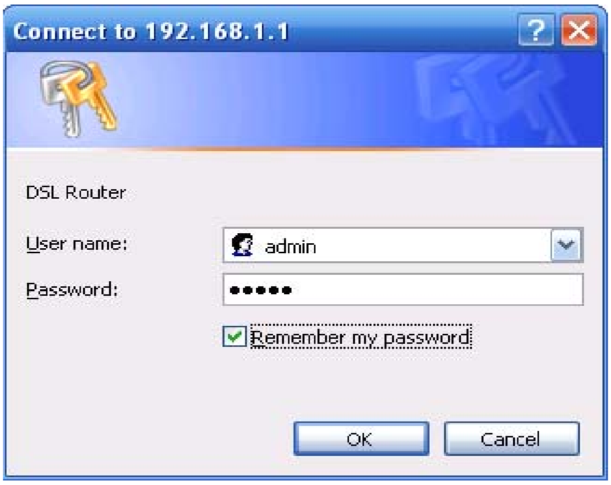
This chapter describes how to configure the device by using the Web-based configuration utility.

3.1 Accessing the Device

The following is the detailed description of accesing the device for the first time.

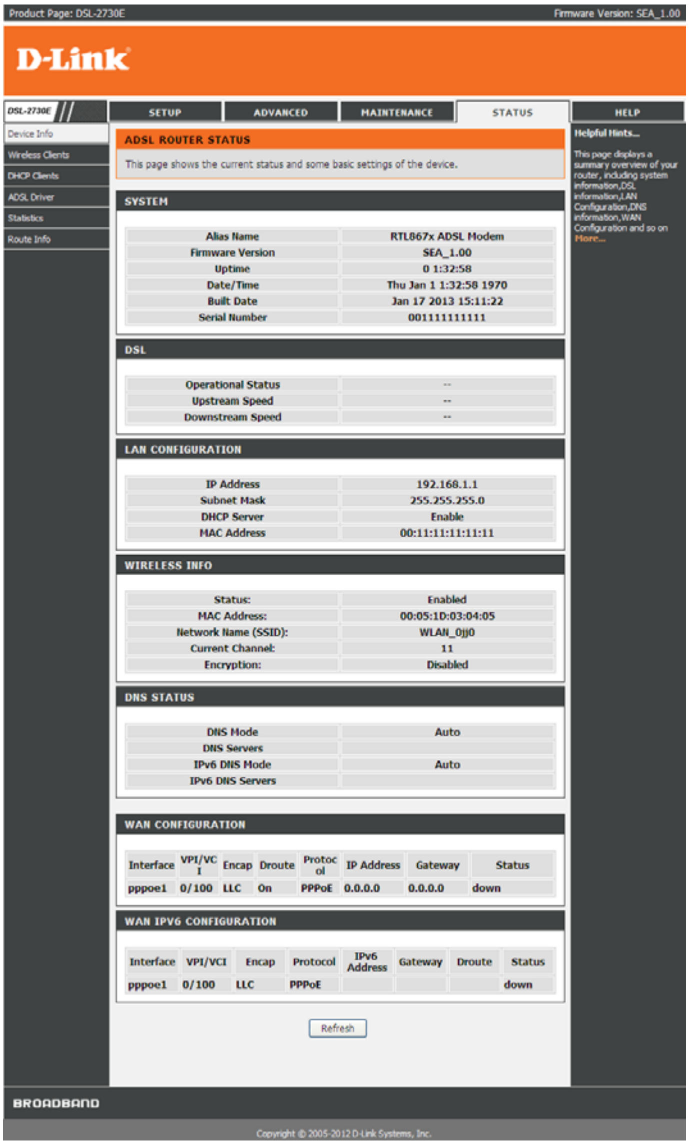
Step 1 Open the Internet Explorer (IE) browser and enter http://192.168.1.1.

Step 2 The **Login** page shown in the following figure appears. Enter the user name and password. The user name and password of the super user are **admin** and **admin**.



User name: admin
Password: ●●●●●
☑ Remember my password

If you log in as the super user successfully, the page shown in the following figure appears. This page displays a summary overview of the router, including the system information, DSL information, LAN Configuration, DNS information and WAN Configuration.


Product Page: DSL-2730E
Firmware Version: SEA_1.00
D-Link
DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Refresh
BROADBAND

ADSL ROUTER STATUS

This page shows the current status and some basic settings of the device.

SYSTEM

Alias Name	RTL867x ADSL Modem
Firmware Version	SEA_1.00
Uptime	0 1:32:58
Date/Time	Thu Jan 1 1:32:58 1970
Built Date	Jan 17 2013 15:11:22
Serial Number	001111111111

DSL

Operational Status	--
Upstream Speed	--
Downstream Speed	--

LAN CONFIGURATION

IP Address	192.168.1.1
Subnet Mask	255.255.255.0
DHCP Server	Enable
MAC Address	00:11:11:11:11:11

WIRELESS INFO

Status:	Enabled
MAC Address:	00:05:1D:03:04:05
Network Name (SSID):	WLAN_0jj0
Current Channel:	11
Encryption:	Disabled

DNS STATUS

DNS Mode	Auto
DNS Servers	
IPv6 DNS Mode	Auto
IPv6 DNS Servers	

WAN CONFIGURATION

Interface	VPI/VCI	Encap	Droute	Protocol	IP Address	Gateway	Status
pppoe1	0/100	LLC	On	PPPoE	0.0.0.0	0.0.0.0	down

WAN IPV6 CONFIGURATION

Interface	VPI/VCI	Encap	Protocol	IPv6 Address	Gateway	Droute	Status
pppoe1	0/100	LLC	PPPoE				down

Helpful Hints...

This page displays a summary overview of your router, including system information,DSL information,LAN Configuration,DNS information,WAN Configuration and so on

More...

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3.2 Setup

In the main interface, click **Setup** tab to enter the **Setup** menu as shown in the following figure. The submenus are **Wizard**, **Local Network**, **Internet Setup**, **Wireless Setup** and **Time and Date**.

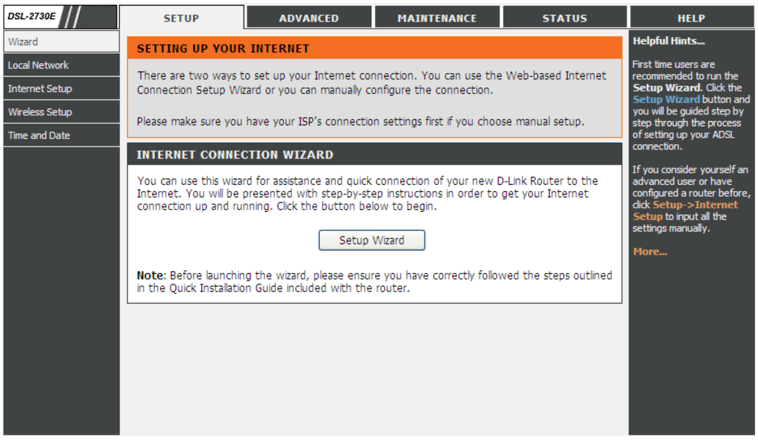
3.2.1 Wizard

Wizard enables fast and accurate configuration of Internet connection and other important parameters. The following sections describe configuration parameters.

When subscribing to a broadband service, you should be aware of the method, by which you are connected to the Internet. Your physical WAN device can be Ethernet, DSL, or both.

Technical information about the properties of your Internet connection is provided by your Internet service provider (ISP). For example, your ISP should inform you that you are connected to the Internet using a static or dynamic IP address, and the protocol you use to communicate over the Internet, i.g. PPPoA or PPPoE.

Choose **Setup** > **Wizard**. The page shown in the following figure appears.



SETTING UP YOUR INTERNET

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 D-Link Router 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.

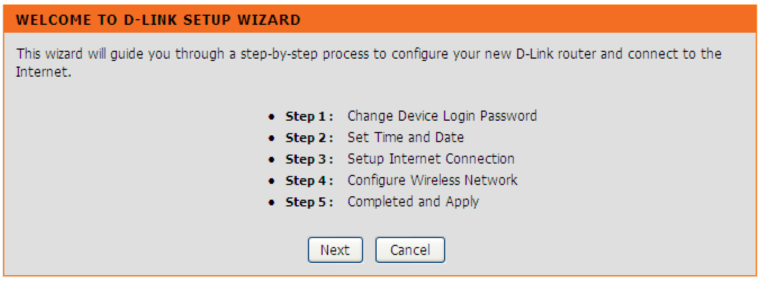
Note: Before launching the wizard, please ensure you have correctly followed the steps outlined in the Quick Installation Guide included with the router.

Helpful Hints...

First time users are recommended to run the **Setup Wizard**. Click the **Setup Wizard** button and you will be guided step by step through the process of setting up your ADSL connection.

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

Click **Setup Wizard**. The page shown in the following figure appears.



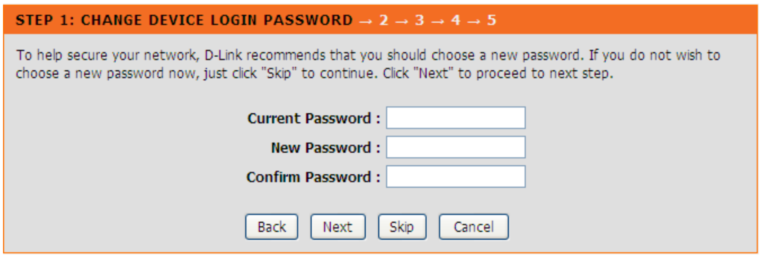
WELCOME TO D-LINK SETUP WIZARD

This wizard will guide you through a step-by-step process to configure your new D-Link router and connect to the Internet.

- **Step 1 :** Change Device Login Password
- **Step 2 :** Set Time and Date
- **Step 3 :** Setup Internet Connection
- **Step 4 :** Configure Wireless Network
- **Step 5 :** Completed and Apply

There are 5 steps to configure the device. Click **Next** to continue.

Step 1 Change the device login password.

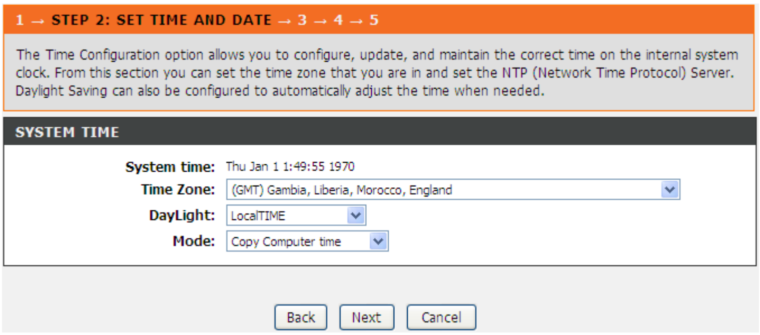


STEP 1: CHANGE DEVICE LOGIN PASSWORD → 2 → 3 → 4 → 5

To help secure your network, D-Link recommends that you should choose a new password. If you do not wish to choose a new password now, just click "Skip" to continue. Click "Next" to proceed to next step.

Current Password :
New Password :
Confirm Password :

Step 2 Set the time and date.



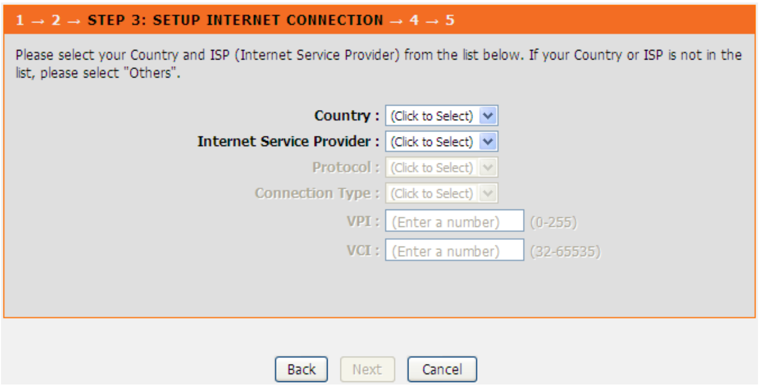
1 → STEP 2: SET TIME AND DATE → 3 → 4 → 5

The Time Configuration option allows you to configure, update, and maintain the correct time on the internal system clock. From this section you can set the time zone that you are in and set the NTP (Network Time Protocol) Server. Daylight Saving can also be configured to automatically adjust the time when needed.

SYSTEM TIME

System time: Thu Jan 1 1:49:55 1970
Time Zone: (GMT) Gambia, Liberia, Morocco, England
DayLight: LocalTIME
Mode: Copy Computer time

Step 3 Configure the Internet connection.

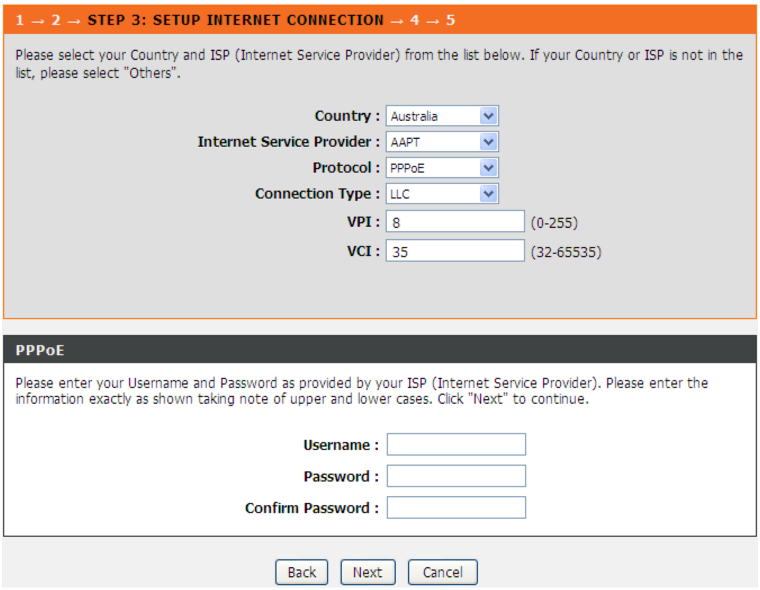


1 → 2 → STEP 3: SETUP INTERNET CONNECTION → 4 → 5

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 : (Click to Select)
Internet Service Provider : (Click to Select)
Protocol : (Click to Select)
Connection Type : (Click to Select)
VPI : (Enter a number) (0-255)
VCI : (Enter a number) (32-65535)

If the internet service you subscribed is **PPPoE** or **PPPoA**, you can choose the **Protocol** to be **PPPoE** or **PPPoA**. Set the VPI and VCI. Enter the user name and password provided by your ISP.



1 → 2 → STEP 3: SETUP INTERNET CONNECTION → 4 → 5

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".

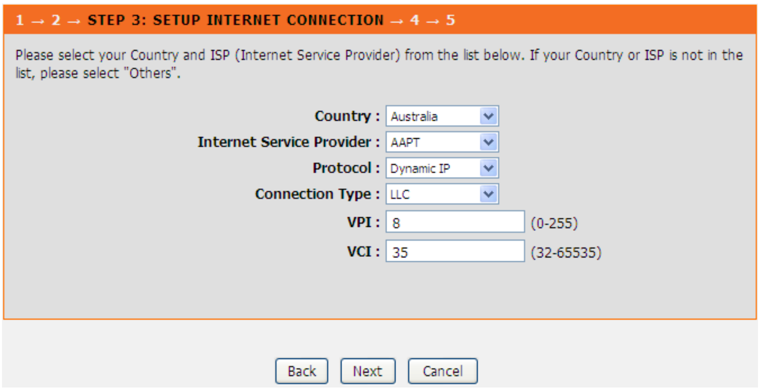
Country : Australia
Internet Service Provider : AAPT
Protocol : PPPoE
Connection Type : LLC
VPI : 8 (0-255)
VCI : 35 (32-65535)

PPPoE

Please enter your Username and Password as provided by your ISP (Internet Service Provider). Please enter the information exactly as shown taking note of upper and lower cases. Click "Next" to continue.

Username :
Password :
Confirm Password :

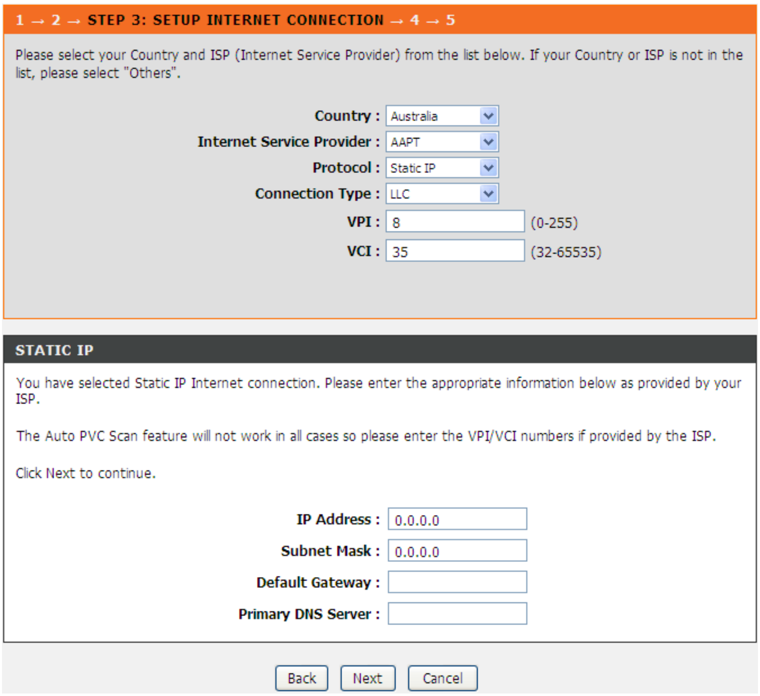
If the internet service you subscribed is **Dynamic IP**, you can choose **Protocol** to be **Dynamic IP**. The page shown in the following figure appears.



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 : Dynamic IP
Connection Type : LLC
VPI : 8 (0-255)
VCI : 35 (32-65535)

If the Protocol is **Static IP**, you can choose **Protocol** to be **Static IP**. The page shown in the following figure appears. Enter the **IP Address**, **Subnet Mask**, **Default Gateway** and **Primary DNS Server** provided by your ISP.



1 → 2 → STEP 3: SETUP INTERNET CONNECTION → 4 → 5

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 : Static IP
Connection Type : LLC
VPI : 8 (0-255)
VCI : 35 (32-65535)

STATIC IP

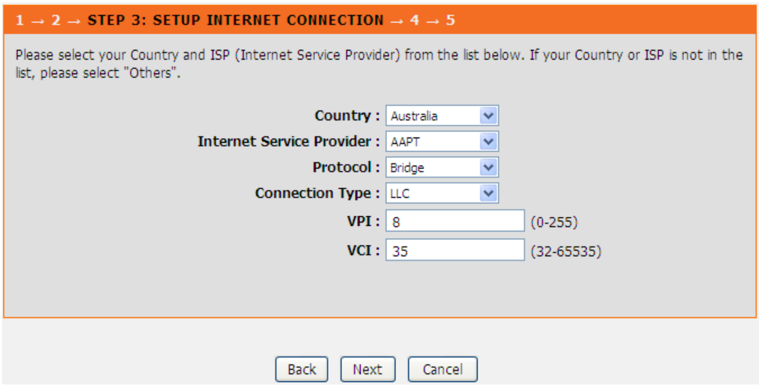
You have selected Static IP Internet connection. Please enter the appropriate information below as provided by your ISP.

The Auto PVC Scan feature will not work in all cases so please enter the VPI/VCI numbers if provided by the ISP.

Click Next to continue.

IP Address : 0.0.0.0
Subnet Mask : 0.0.0.0
Default Gateway :
Primary DNS Server :

If the Protocol is **Bridge**, the page shown in the following figure appears.

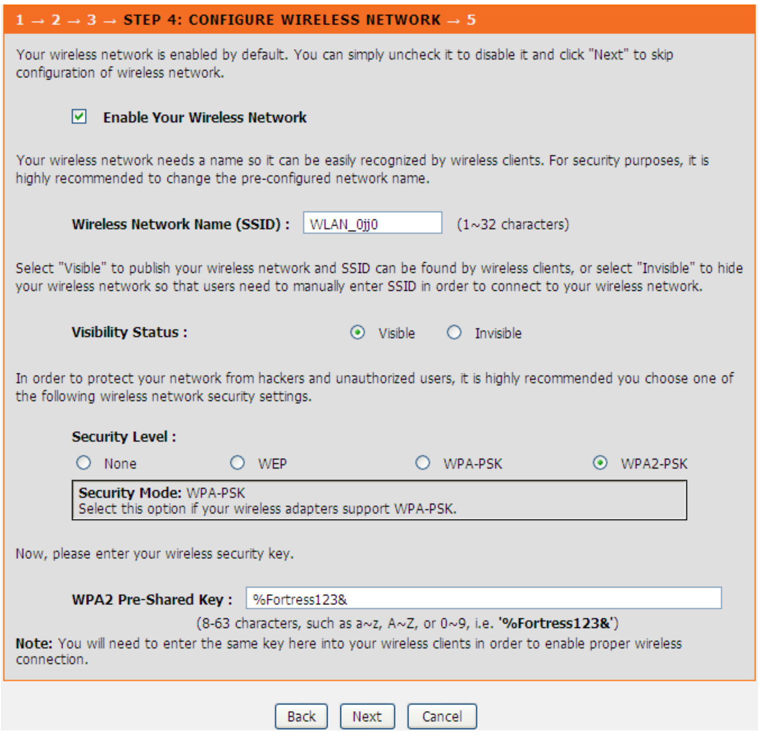


1 → 2 → STEP 3: SETUP INTERNET CONNECTION → 4 → 5

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 : Bridge
Connection Type : LLC
VPI : 8 (0-255)
VCI : 35 (32-65535)

Step 4 Configure the wireless network.



1 → 2 → 3 → STEP 4: CONFIGURE WIRELESS NETWORK → 5

Your wireless network is enabled by default. You can simply uncheck it to disable it and click "Next" to skip configuration of wireless network.

☑ **Enable Your Wireless Network**

Your wireless network needs a name so it can be easily recognized by wireless clients. For security purposes, it is highly recommended to change the pre-configured network name.

Wireless Network Name (SSID) : WLAN_0jj0 (1~32 characters)

Select "Visible" to publish your wireless network and SSID can be found by wireless clients, or select "Invisible" to hide your wireless network so that users need to manually enter SSID in order to connect to your wireless network.

Visibility Status : ● Visible ○ Invisible

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.

Security Level :

○ None ○ WEP ○ WPA-PSK ● WPA2-PSK

Security Mode: WPA-PSK
Select this option if your wireless adapters support WPA-PSK.

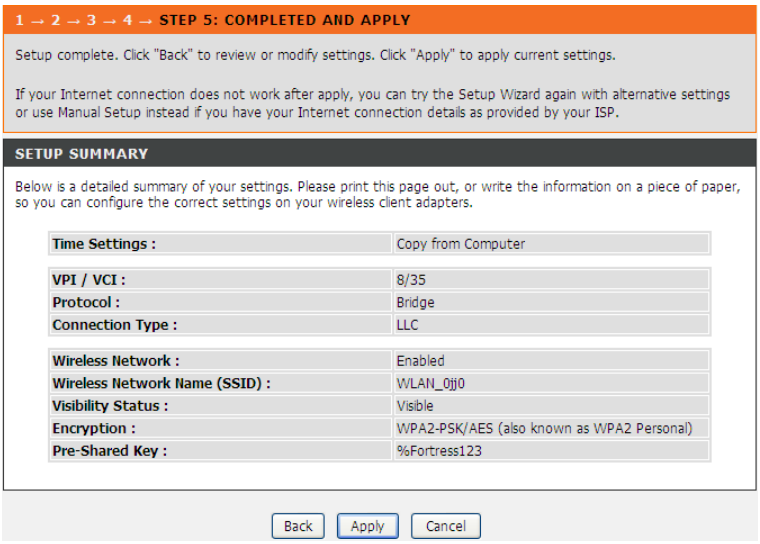
Now, please enter your wireless security key.

WPA2 Pre-Shared Key : %Fortress123&

(8-63 characters, such as a~z, A~Z, or 0~9, i.e. **'%Fortress123&'**)

Note: You will need to enter the same key here into your wireless clients in order to enable proper wireless connection.

Step 5 Complete and apply the settings. Click **Apply** to save the settings.



1 → 2 → 3 → 4 → STEP 5: COMPLETED AND APPLY

Setup complete. Click "Back" to review or modify settings. Click "Apply" to apply current settings.

If your Internet connection does not work after apply, you can try the Setup Wizard again with alternative settings or use Manual Setup instead if you have your Internet connection details as provided by your ISP.

SETUP SUMMARY

Below is a detailed summary of your settings. Please print this page out, or write the information on a piece of paper, so you can configure the correct settings on your wireless client adapters.

Time Settings :	Copy from Computer
VPI / VCI :	8/35
Protocol :	Bridge
Connection Type :	LLC
Wireless Network :	Enabled
Wireless Network Name (SSID) :	WLAN_0jj0
Visibility Status :	Visible
Encryption :	WPA2-PSK/AES (also known as WPA2 Personal)
Pre-Shared Key :	%Fortress123

Note:

In each step of the Wizard page, you can click **Back** to review or modify the previous settings. Click **Cancel** to exit the wizard page.

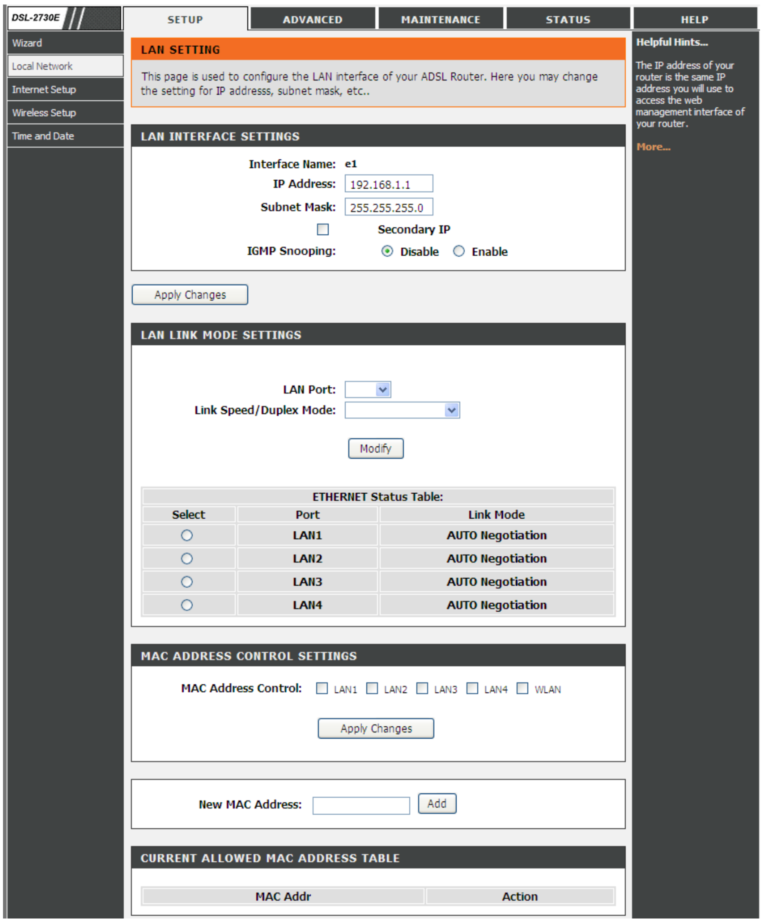
3.2.2 Local Network

You can configure the LAN IP address according to the actual application. The preset IP address is 192.168.1.1. You can use the default settings and DHCP service to manage the IP settings for the private network. The IP address of the device is the base address used for DHCP. To use the device for DHCP on your LAN, the IP address pool used for DHCP must be compatible with the IP address of the device. The IP address available in the DHCP IP address pool changes automatically if you change the IP address of the device.

You can also enable the secondary LAN IP address. The two LAN IP addresses must be in different networks.

3.2.2.1 LAN Interface

Choose **Setup** > **Local Network** > **LAN Interface**. The **LAN Setting** page shown in the following figure appears. You may configure the LAN interface, for example, the IP address and subnet mask.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Apply Changes
Modify
Apply Changes
Add
More...

LAN SETTING

This page is used to configure the LAN interface of your ADSL Router. Here you may change the setting for IP addresss, subnet mask, etc..

LAN INTERFACE SETTINGS

Interface Name: e1
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0
☐ Secondary IP
IGMP Snooping: ● Disable ○ Enable

LAN LINK MODE SETTINGS

LAN Port:
Link Speed/Duplex Mode:

ETHERNET Status Table:

Select	Port	Link Mode
○	LAN1	AUTO Negotiation
○	LAN2	AUTO Negotiation
○	LAN3	AUTO Negotiation
○	LAN4	AUTO Negotiation

MAC ADDRESS CONTROL SETTINGS

MAC Address Control: ☐ LAN1 ☐ LAN2 ☐ LAN3 ☐ LAN4 ☐ WLAN

New MAC Address:

CURRENT ALLOWED MAC ADDRESS TABLE

MAC Addr	Action

Helpful Hints...

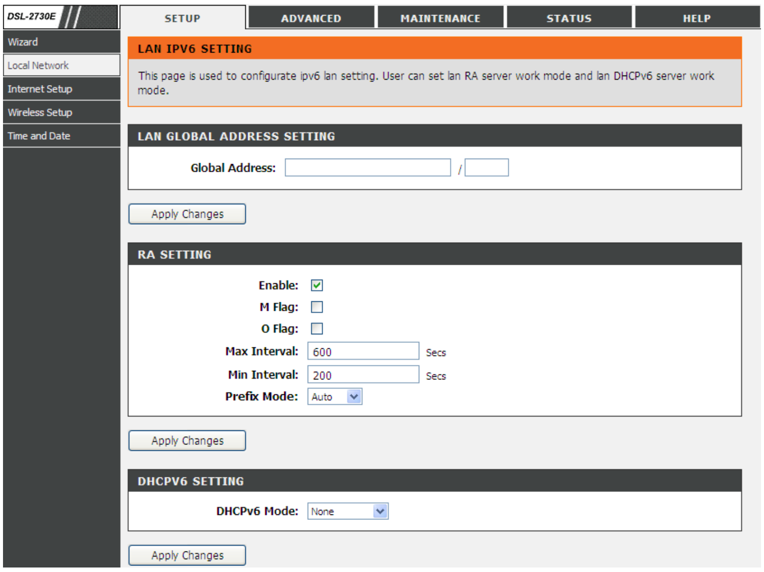
The IP address of your router is the same IP address you will use to access the web management interface of your router.

The following table describes the parameters in this page.

Field	Description
IP Address	Enter the IP address of LAN interface. It is recommended to use an address from a block reserved for private use. This address block is 192.168.1.1- 192.168.1.254.
Subnet Mask	Enter the subnet mask of LAN interface. The range of subnet mask is from 255.255.0.0-255.255.255.254.
Secondary IP	Select it to enable the secondary LAN IP address. The two LAN IP addresses must be in different subnets.
LAN Port	You may choose the LAN interface you want to configure.
Link Speed/ Duplex Mode	You may select one mode from the drop-downlist: **100Mbps/FullDuplex**, **100Mbps/Half Duplex**, **10Mbps/FullDuplex**, **10Mbps/Half Duplex** and **Auto Negotiation**.
MAC Address Control	It is the access control based on MAC address. Select it, and the host whose MAC address is listed in the **Current Allowed MAC Address Table** can access the modem.
Add	Enter MAC address, and then click this button to add a new MAC address.

3.2.2.2 LAN IPv6 Interface

Choose **Setup** > **Local Network** > **LAN IPv6 Interface**. The **LAN IPv6 Setting** page shown in the following figure appears. You may set LAN RA server work mode and LAN DHCPv6 server work mode.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Apply Changes
Apply Changes
Apply Changes

LAN IPV6 SETTING

This page is used to configurate ipv6 lan setting. User can set lan RA server work mode and lan DHCPv6 server work mode.

LAN GLOBAL ADDRESS SETTING

Global Address: /

RA SETTING

Enable: ☑
M Flag: ☐
O Flag: ☐
Max Interval: 600 Secs
Min Interval: 200 Secs
Prefix Mode: Auto

DHCPV6 SETTING

DHCPv6 Mode: None

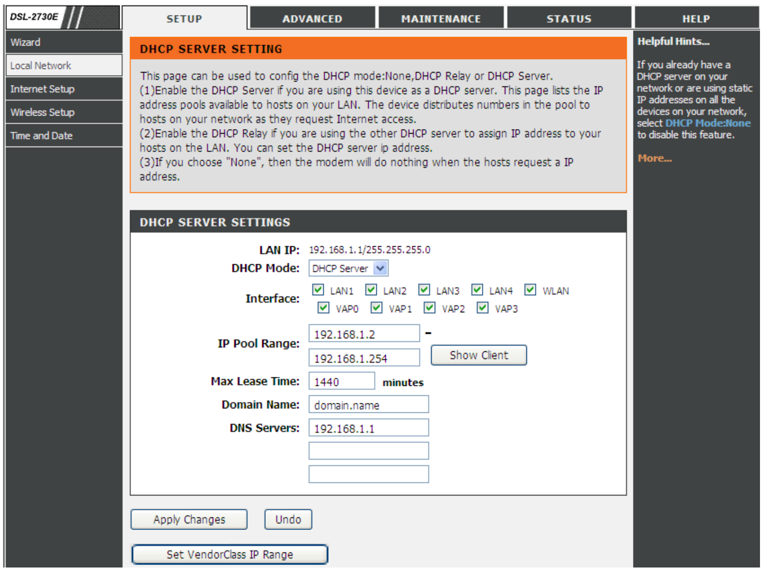
The following table describes the parameters of this page.

Field	Description
Global Address	Specify the LAN global ipv6 address. It can be assigned by ISP.
Enable	Enable or disable the Router Advertisement feature.
M Flag	Enable or disable the “Managed address configuration” flag in RA packet.
O Flag	Enable or disable the “Other configuration” flag in RA packet.
Prefix Mode	Specify the RA feature prefix mode: “Auto”: the RA prefix will use WAN dhcp-pd prefix; “Manual”: user will specify the prefix address, length, preferred time and valid time.
DHCPv6 Mode	Specify the dhcpv6 server mode: “None”: close dhcpv6 server; “Manual”: dhcpv6 server is opened and user

Field	Description
	specifies the dhcpv6 server address pool and other parameters. “Auto”: dhcpv6 server is opened and it use WAN dhcp-pd prefix to generate address pool.

3.2.2.3 DHCP Server

Choose **Setup** > **Local Network** > **DHCP Server**. The **DHCP Server Setting** page shown in the following figure appears. You may configure the DHCP mode.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
DHCP SERVER SETTING
DHCP SERVER SETTINGS
Show Client
Apply Changes
Undo
Set VendorClass IP Range
Helpful Hints...
More...

This page can be used to config the DHCP mode:None,DHCP Relay or DHCP Server.
(1)Enable the DHCP Server if you are using this device as a DHCP server. This page lists the IP address pools available to hosts on your LAN. The device distributes numbers in the pool to hosts on your network as they request Internet access.
(2)Enable the DHCP Relay if you are using the other DHCP server to assign IP address to your hosts on the LAN. You can set the DHCP server ip address.
(3)If you choose "None", then the modem will do nothing when the hosts request a IP address.

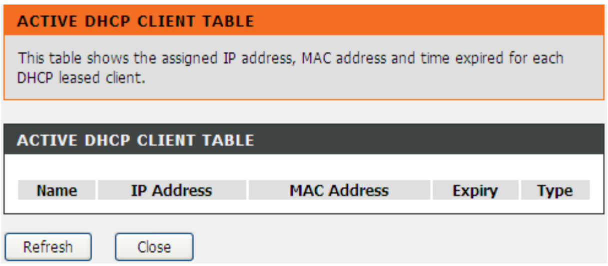
If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, select DHCP Mode:None to disable this feature.

LAN IP: 192.168.1.1/255.255.255.0
DHCP Mode: DHCP Server
Interface: ☑ LAN1 ☑ LAN2 ☑ LAN3 ☑ LAN4 ☑ WLAN ☑ VAP0 ☑ VAP1 ☑ VAP2 ☑ VAP3
IP Pool Range: 192.168.1.2 - 192.168.1.254
Max Lease Time: 1440 minutes
Domain Name: domain.name
DNS Servers: 192.168.1.1

The following table describes the parameters of this page.

Field	Description
DHCP Mode	If set to **DHCP Server**, the router can assign IP addresses, IP default gateway and DNS servers to the host in Windows95, Windows NT and other operation systems that support the DHCP client.
IP Pool Range	It specifies the first and last IP addresses in the IP address pool. The router assigns IP address in the IP pool range to the host.
Max Lease Time	The lease time determines the period that the host retains the assigned IP addresses before the IP addresses change.
Domain Name	Enter the domain name if you know. If you leave this blank, the domain name obtained by DHCP from the ISP is used. You must enter host name (system name) on each individual PC. The domain name can be assigned from the router through the DHCP server.
DNS Servers	You can configure the DNS server ip addresses for DNS Relay.

Click the button **Show Client** to display the page **Active DHCP Client Table** as shown below. It shows the IP addresses assigned to DHCP clients.



ACTIVE DHCP CLIENT TABLE

This table shows the assigned IP address, MAC address and time expired for each DHCP leased client.

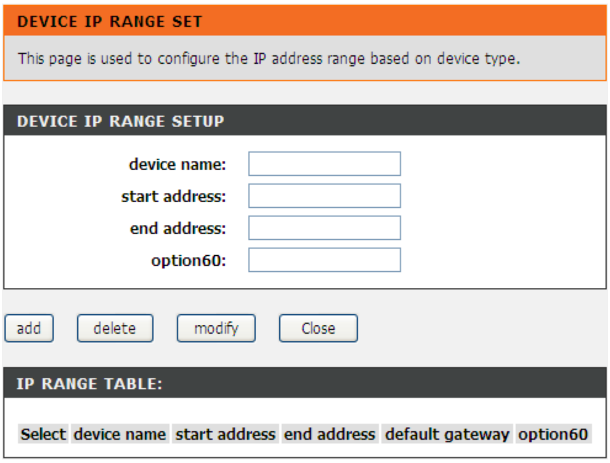
ACTIVE DHCP CLIENT TABLE

Name	IP Address	MAC Address	Expiry	Type

The following table describes the parameters and buttons in this page:

Field	**Description**
IP Address	It displays the IP address assigned to the DHCP client from the router.
MAC Address	It displays the MAC address of the DHCP client. Each Ethernet device has a unique MAC address. The MAC address is assigned at the factory and it consists of six pairs of hexadecimal character, for example, 00-A0-C5-00-02-12.
Expiry	It displays the lease time. The lease time determines the period that the host retains the assigned IP addresses before the IP addresses change.
Refresh	Click it to refresh this page.

Click the button **Set VendorClass IP Range** to display the page **Device IP Range Set**. In this page, you can configure the IP address range based on the device type.



DEVICE IP RANGE SET

This page is used to configure the IP address range based on device type.

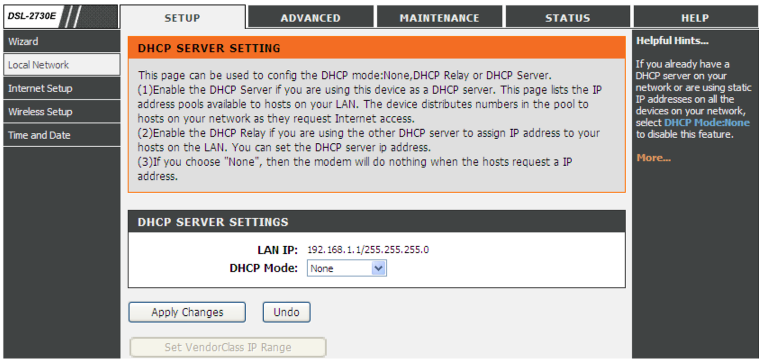
DEVICE IP RANGE SETUP

device name:
start address:
end address:
option60:

IP RANGE TABLE:

Select	device name	start address	end address	default gateway	option60

In the **DHCP Mode** field, choose **None**. The page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Apply Changes
Undo
Set VendorClass IP Range
More...

DHCP SERVER SETTING

This page can be used to config the DHCP mode:None,DHCP Relay or DHCP Server.
(1)Enable the DHCP Server if you are using this device as a DHCP server. This page lists the IP address pools available to hosts on your LAN. The device distributes numbers in the pool to hosts on your network as they request Internet access.
(2)Enable the DHCP Relay if you are using the other DHCP server to assign IP address to your hosts on the LAN. You can set the DHCP server ip address.
(3)If you choose "None", then the modem will do nothing when the hosts request a IP address.

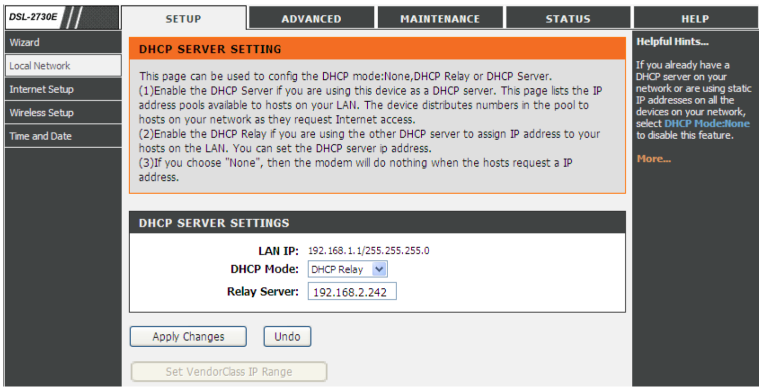
DHCP SERVER SETTINGS

LAN IP: 192.168.1.1/255.255.255.0
DHCP Mode: None

Helpful Hints...

If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, select DHCP Mode:None to disable this feature.

In the **DHCP Mode** field, choose **DHCP Relay**. The page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Apply Changes
Undo
Set VendorClass IP Range
More...

DHCP SERVER SETTING

This page can be used to config the DHCP mode:None,DHCP Relay or DHCP Server.
(1)Enable the DHCP Server if you are using this device as a DHCP server. This page lists the IP address pools available to hosts on your LAN. The device distributes numbers in the pool to hosts on your network as they request Internet access.
(2)Enable the DHCP Relay if you are using the other DHCP server to assign IP address to your hosts on the LAN. You can set the DHCP server ip address.
(3)If you choose "None", then the modem will do nothing when the hosts request a IP address.

DHCP SERVER SETTINGS

LAN IP: 192.168.1.1/255.255.255.0
DHCP Mode: DHCP Relay
Relay Server: 192.168.2.242

Helpful Hints...

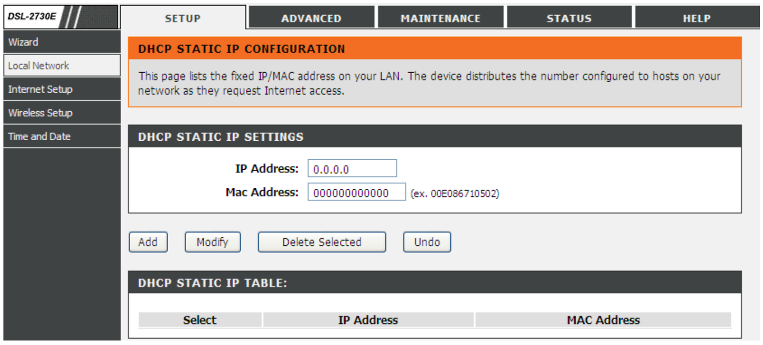
If you already have a DHCP server on your network or are using static IP addresses on all the devices on your network, select DHCP Mode:None to disable this feature.

The following table describes the parameters and buttons of this page:

Field	Description
DHCP Mode	If set to **DHCP Relay**, the router acts a surrogate DHCP Server and relays the DHCP requests and responses between the remote server and the client.
Relay Server	Enter the DHCP server address provided by your ISP.
Apply Changes	Click it to save the settings of this page.

3.2.2.4 DHCP Reserved

Choose **Setup** > **Local Network** > **DHCP Reserved**. The **DHCP Static IP Configuration** page appears. This page lists the fixed IP/MAC address on your LAN. The device distributes the number configured to hosts on your network as they request Internet access.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Add
Modify
Delete Selected
Undo

DHCP STATIC IP CONFIGURATION

This page lists the fixed IP/MAC address on your LAN. The device distributes the number configured to hosts on your network as they request Internet access.

DHCP STATIC IP SETTINGS

IP Address: 0.0.0.0
Mac Address: 000000000000 (ex. 00E086710502)

DHCP STATIC IP TABLE:

Select	IP Address	MAC Address

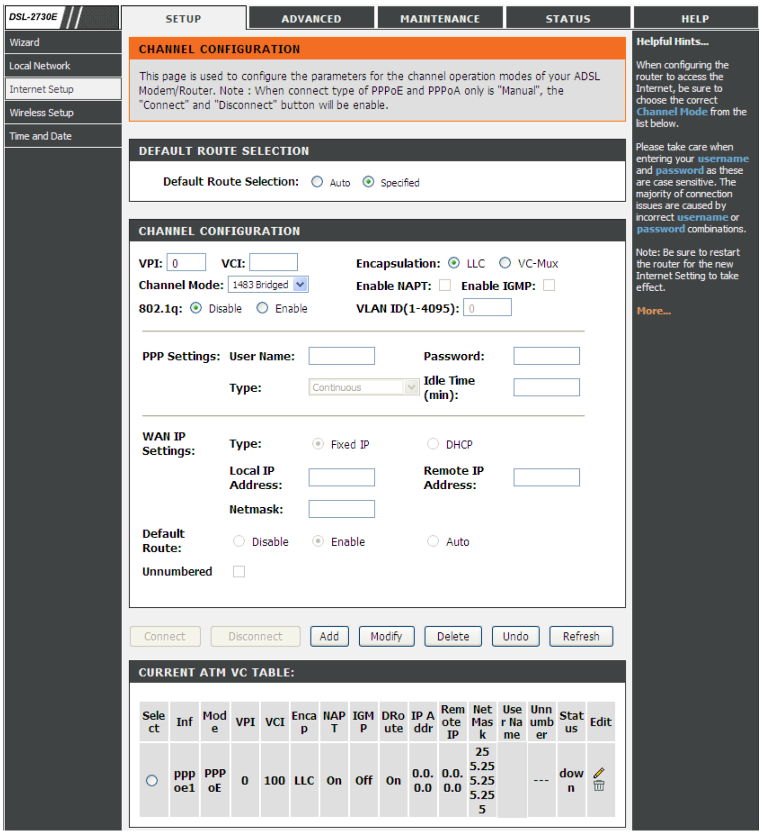
The following table describes the parameters of this page.

Field	Description
IP Address	Enter the specified IP address in the IP pool range, which is assigned to the host.
Mac Address	Enter the MAC address of a host on the LAN.
Add	After entering the IP address and MAC address, click this button to add them to the DHCP Static IP Table.
Delete Selected	Select a row in the DHCP Static IP Table, then click it, this row is deleted.
Undo	Click it to refresh this page.
DHCP Static IP Table	It shows the assigned IP address based on the MAC address.

3.2.3 Internet Setup

3.2.3.1 Channel Config

Choose **Setup** > **Internet Setup** > **Channel Config**. The **Channel Configuration** page appears. You may configure the parameters for the channel operation modes of your ADSL Router.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date

CHANNEL CONFIGURATION

This page is used to configure the parameters for the channel operation modes of your ADSL Modem/Router. Note : When connect type of PPPoE and PPPoA only is "Manual", the "Connect" and "Disconnect" button will be enable.

DEFAULT ROUTE SELECTION

Default Route Selection: ○ Auto ● Specified

CHANNEL CONFIGURATION

VPI: 0 **VCI:** **Encapsulation:** ● LLC ○ VC-Mux

Channel Mode: 1483 Bridged **Enable NAPT:** ☐ **Enable IGMP:** ☐

802.1q: ● Disable ○ Enable **VLAN ID(1-4095):** 0

PPP Settings: **User Name:** **Password:**

Type: Continuous **Idle Time (min):**

WAN IP Settings: **Type:** ● Fixed IP ○ DHCP

Local IP Address: **Remote IP Address:**

Netmask:

Default Route: ○ Disable ● Enable ○ Auto

Unnumbered ☐

Connect
Disconnect
Add
Modify
Delete
Undo
Refresh

CURRENT ATM VC TABLE:

Select	Inf	Mode	VPI	VCI	Encap	NAPT	IGMP	DRoute	IP Addr	Remote IP	NetMask	User Name	Unnumber	Status	Edit
○	pppoe1	PPPoE	0	100	LLC	On	Off	On	0.0.0.0	0.0.0.0	255.255.255.255		---	down	✎ 🗑

Helpful Hints...

When configuring the router to access the Internet, be sure to choose the correct **Channel Mode** from the list below.

Please take care when entering your **username** and **password** as these are case sensitive. The majority of connection issues are caused by incorrect **username** or **password** combinations.

Note: Be sure to restart the router for the new Internet Setting to take effect.

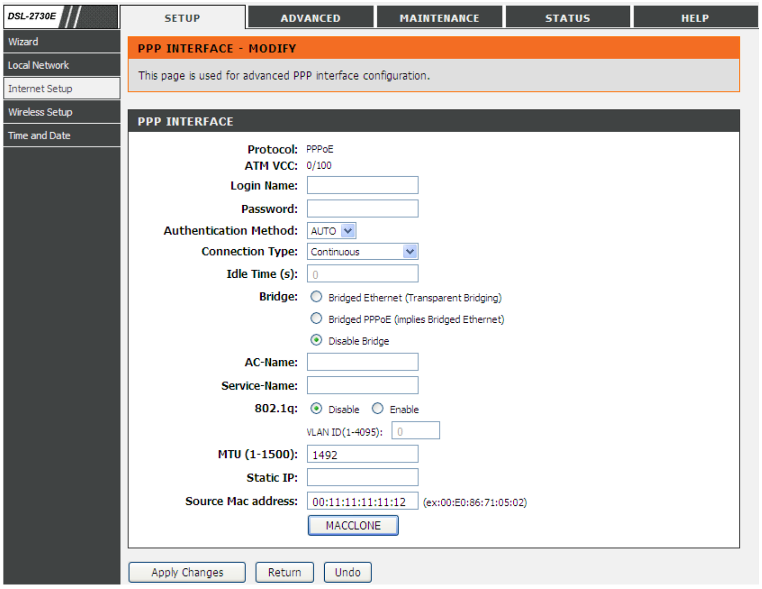
More...

The following table describes the parameters of this page.

Field	Description
Default Route Selection	You can select **Auto** or **Specified**.
VPI	The virtual path between two points in an ATM network, ranging from **0** to **255**.
VCI	The virtual channel between two points in an ATM network, ranging from **32** to **65535** (**1** to **31** are reserved for known protocols)
Encapsulation	You can choose **LLC** and **VC-Mux**.
Channel Mode	You can choose **1483 Bridged**, **1483 MER**, **PPPoE**, **PPPoA**, **1483 Routed** or **IPoA**.
Enable NAPT	Select it to enable Network Address Port Translation (NAPT) function. If you do not select it and you want to access the Internet normally, you must add a route on the uplink equipment. Otherwise, the access to the Internet fails. Normally, it is enabled.
Enable IGMP	You can enable or disable Internet Group Management Protocol (IGMP) function.
802.1q	You can select **Disable** or **Enable**. If enabled, you need to enter the VLAN ID.
VLAN ID	The value ranges from **1** to **4095**.
IP Protocol	When any channel mode except 1483 Bridged is selected, select an IP protocol from **IPv4/IPv6**, **IPv4** and **IPv6**.
PPP Settings	
User Name	Enter the correct user name for PPP dial-up, which is provided by your ISP.
Password	Enter the correct password for PPP dial-up, which is provided by your ISP.
Type	You can choose **Continuous**, **Connect on Demand** or **Manual**.
Idle Time (min)	If the type is set to **Connect on Demand**, you need to enter the idle timeout time. Within the preset minutes, if the router does not detect the flow of the

Field	Description
	user continuously, the router automatically disconnects the PPPoE connection.
WAN IP Settings	
Type	You can choose **Fixed IP** or **DHCP**. ● If select **Fixed IP**, you should enter the local IP address, remote IP address and subnet mask. ● If select **DHCP**, the router is a DHCP client, the WAN IP address is assigned by the remote DHCP server.
Local IP Address	Enter the IP address of WAN interface provided by your ISP.
Remote IP Address	Enter the IP address of gateway provided by your ISP.
Netmask	Enter the subnet mask of the local IP address.
Default Route	Routing table entry is not clearly specified in the routing, as to any network prefix forwarding address.
Unnumbered	Select this checkbox to enable IP unnumbered function.
IPv6 WAN Setting	
Address Mode	When the channel mode is not set to **1483 Bridged**, configure this interface as supportting Slaac or Static to generate wan ipv6 addresses.
Enable DHCPv6 Client	You may enable or disable dhcpv6 client on this interface. After enabling it, user may specify the dhcpv6 client request an address or prefix.

After a PPPoE ATM VC is added to the table, click ✎ in the **PPPoE** mode, the page shown in the following figure appears. In this page, you can configure parameters of this PPPoE PVC.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
MACCLONE
Apply Changes
Return
Undo

PPP INTERFACE - MODIFY

This page is used for advanced PPP interface configuration.

PPP INTERFACE

Protocol: PPPoE
ATM VCC: 0/100
Login Name:
Password:
Authentication Method: AUTO
Connection Type: Continuous
Idle Time (s): 0
Bridge: ○ Bridged Ethernet (Transparent Bridging)
○ Bridged PPPoE (implies Bridged Ethernet)
● Disable Bridge
AC-Name:
Service-Name:
802.1q: ● Disable ○ Enable
VLAN ID(1-4095): 0
MTU (1-1500): 1492
Static IP:
Source Mac address: 00:11:11:11:11:12 (ex:00:E0:86:71:05:02)

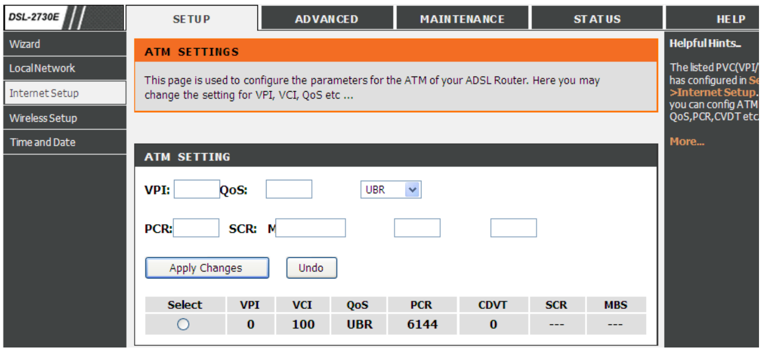
The following table describes the parameters and buttons of this page:

Field	Description
Protocol	It displays the protocol type used for this WAN connection.
ATM VCC	The ATM virtual circuit connection assigned for this PPP interface (VPI/VCI).
Login Name	The user name provided by your ISP.
Password	The password provided by your ISP.
Authentication Method	You can choose **AUTO**, **CHAP**, or **PAP**.
Connection Type	You can choose **Continuous**, **Connect on Demand**, or **Manual**.
Idle Time (s)	If choose **Connect on Demand**, you need to enter the idle timeout time. Within the preset minutes, if the router does not detect the flow of the user continuously, the router automatically disconnects the PPPoE connection.
Bridge	You can select **Bridged Ethernet**, **Bridged**

Field	Description
	PPPoE, or **Disable Bridge**.
AC-Name	The accessed equipment type.
Service-Name	The service name.
802.1q	You can select **Disable** or **Enable**. After enable it, you need to enter the VLAN ID. The value ranges from 1 to 4095.
Source Mac address	The MAC address you want to clone.
MAC Clone	Click it to enable the MAC Clone function with the MAC address that is configured.
Apply Changes	Click it to save the settings of this page temporarily.
Return	Click it to return to the **Channel Configuration** page.
Undo	Click it to refresh this page.

3.2.3.2 ATM Settings

Choose **Setup** > **Internet Setup** > **ATM Settings**. The **ATM Settings** page appears. You may configure the parameters for the ATM of your ADSL Router. Here you may change the setting for VPI, VCI and QoS, etc.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Helpful Hints..
The listed PVC(VPI/
has configured in S
>Internet Setup.
you can config ATM
QoS,PCR,CVDT etc
More...
VPI:
QoS:
UBR
PCR:
SCR:
M
Apply Changes
Undo

ATM SETTINGS

This page is used to configure the parameters for the ATM of your ADSL Router. Here you may change the setting for VPI, VCI, QoS etc ...

ATM SETTING

Select	VPI	VCI	QoS	PCR	CDVT	SCR	MBS
○	0	100	UBR	6144	0	---	---

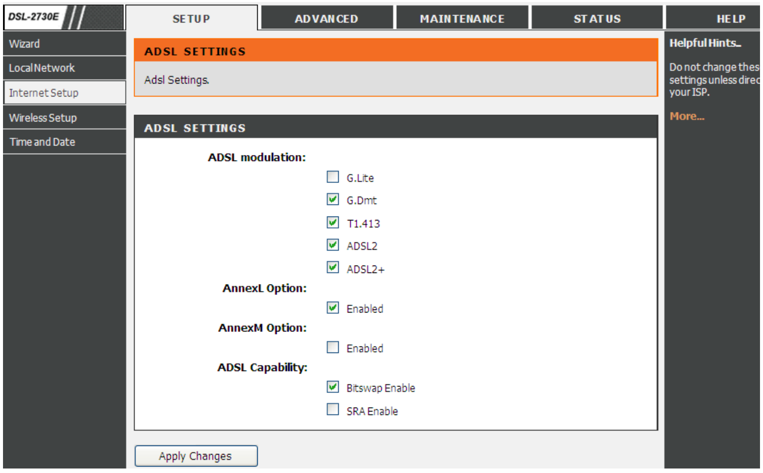
The following table describes the parameters of this page.

Field	Description
VPI	The virtual path identifier of the ATM PVC.

Field	Description
VCI	The virtual channel identifier of the ATM PVC.
QoS	The QoS category of the PVC. You can choose **UBR**, **CBR**, **rt-VBR**, or **nrt-VBR**.
PCR	Peak cell rate (PCR) is the maximum rate at which cells can be transmitted along a connection in the ATM network. Its value ranges from 1 to 65535.
CDVT	Cell delay variation tolerance (CDVT) is the amount of delay permitted between ATM cells (in microseconds). Its value ranges from 0 to 4294967295.
SCR	Sustained cell rate (SCR) is the maximum rate that traffic can pass over a PVC without the risk of cell loss. Its value ranges from 0 to 65535.
MBS	Maximum burst size (MBS) is the maximum number of cells that can be transmitted at the PCR. Its value ranges from 0 to 65535.

3.2.3.3 ADSL Settings

Choose **Setup** > **Internet Setup** > **ADSL Settings**. The **ADSL Settings** page appears. This page contains a modulation and capability section to be specified by your ISP. Consult with your ISP to select the correct settings for each. Click **Apply Changes** to finish.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Helpful Hints..
More...
Apply Changes

ADSL SETTINGS

Adsl Settings.

ADSL SETTINGS

ADSL modulation:
☐ G.Lite
☑ G.Dmt
☑ T1.413
☑ ADSL2
☑ ADSL2+

AnnexL Option:
☑ Enabled

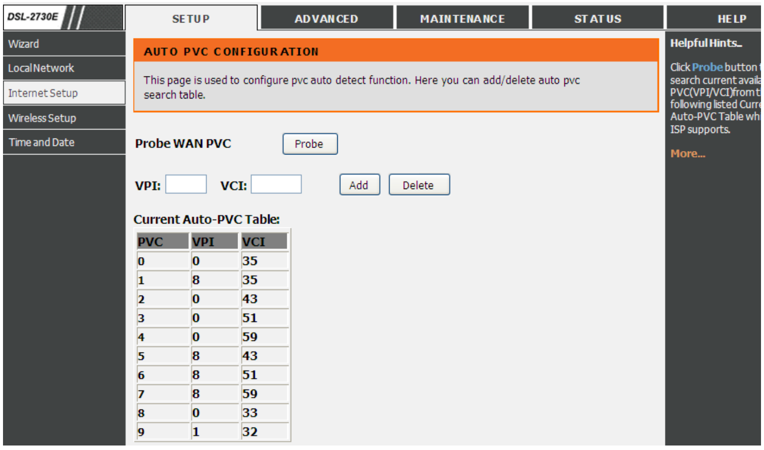
AnnexM Option:
☐ Enabled

ADSL Capability:
☑ Bitswap Enable
☐ SRA Enable

Do not change thes
settings unless direc
your ISP.

3.2.3.4 PVC Auto Search

Choose **Setup** > **Internet Setup** > **PVC Auto Search**. The **Auto PVC Configuration** page appears. You may configure PVC auto detect function. Here you can add/delete auto PVC search table.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Helpful Hints..
More...
Probe
Add
Delete

AUTO PVC CONFIGURATION

This page is used to configure pvc auto detect function. Here you can add/delete auto pvc search table.

Probe WAN PVC

VPI: **VCI:**

Current Auto-PVC Table:

PVC	VPI	VCI
0	0	35
1	8	35
2	0	43
3	0	51
4	0	59
5	8	43
6	8	51
7	8	59
8	0	33
9	1	32

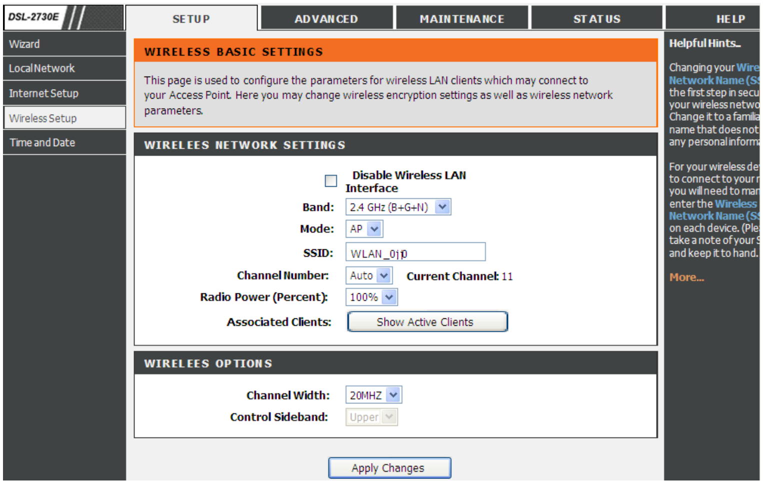
Click Probe button
search current availa
PVC(VPI/VCI)from t
following listed Curre
Auto-PVC Table whi
ISP supports.

3.2.4 Wireless Setup

This section describes the wireless LAN and basic configuration. A wireless LAN can be as simple as two computers with wireless LAN cards communicating in a pear-to-pear network or as complex as a number of computers with wireless LAN cards communicating through access points which bridge network traffic to wired LAN.

3.2.4.1 Wireless Basics

Choose **Setup** > **Wireless Setup** > **Wireless Basics**. The **Wireless Basic Settings** page appears. You may configure the parameters for wireless LAN clients, which may connect to your access point. Here you may change wireless encryption settings as well as wireless network parameters.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Show Active Clients
Apply Changes
Helpful Hints..
Changing your Wire
Network Name (S
the first step in secu
your wireless netwo
Change it to a familia
name that does not
any personal inform
For your wireless de
to connect to your r
you will need to man
enter the Wireless
Network Name (S
on each device. (Ple
take a note of your S
and keep it to hand.
More...

WIRELESS BASIC SETTINGS

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

WIRELEES NETWORK SETTINGS

☐ Disable Wireless LAN Interface

Band: 2.4 GHz (B+G+N)

Mode: AP

SSID: WLAN_0jp

Channel Number: Auto Current Channel: 11

Radio Power (Percent): 100%

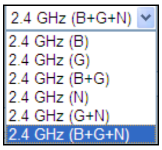
Associated Clients:

WIRELEES OPTIONS

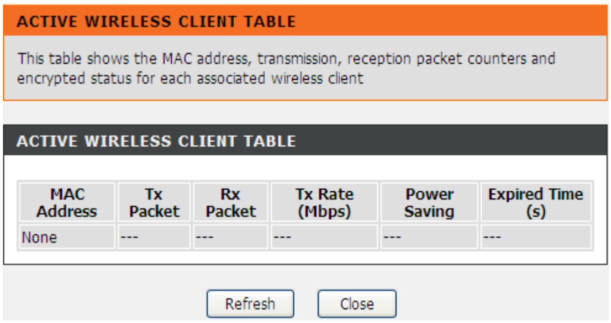
Channel Width: 20MHZ

Control Sideband: Upper

The following table describes the parameters in this page.

Field	Description
Band	Choose the working mode of the modem. You can choose from the drop-down list.  2.4 GHz (B+G+N) 2.4 GHz (B) 2.4 GHz (G) 2.4 GHz (B+G) 2.4 GHz (N) 2.4 GHz (G+N) 2.4 GHz (B+G+N)
Mode	Choose the network model of the modem, which is varied according to the software. By default, the network model of the modem is **AP**.
SSID	The service set identification (SSID) is a unique name to identify the modem in the wireless LAN. Wireless stations associating to the modem must have the same SSID. Enter a descriptive name that is used when the wireless client connecting to the modem.
Channel Number	Choose a channel from the drop-down list box. A channel is the radio frequency used by 802.11b/g wireless devices. There are 13 channels (from 1 to 13) available depending on the geographical area. You may have a choice of channels (for your region) and you should use a different channel from an adjacent AP to reduce the interference. Interference and degrading performance occurs when radio signal from different APs overlap.
Radio Power (Percent)	You can choose the transmission power of the radio signal. The default one is **100%**. It is recommended to choose the default value**100%**.
Show Active Clients	Click it to view the information of the wireless clients connected to the modem.
Channel Width	Select the appropriate band of **20MHZ** or **40MHZ** according to your subscribed broadband service.
Control Sideband	Choose the channel selection mode as **Upper** or **Lower**.

Click the button **Show Active Clients** to view the MAC address, transmission, reception packet counters and encrypted status for each associated wireless client.



ACTIVE WIRELESS CLIENT TABLE

This table shows the MAC address, transmission, reception packet counters and encrypted status for each associated wireless client

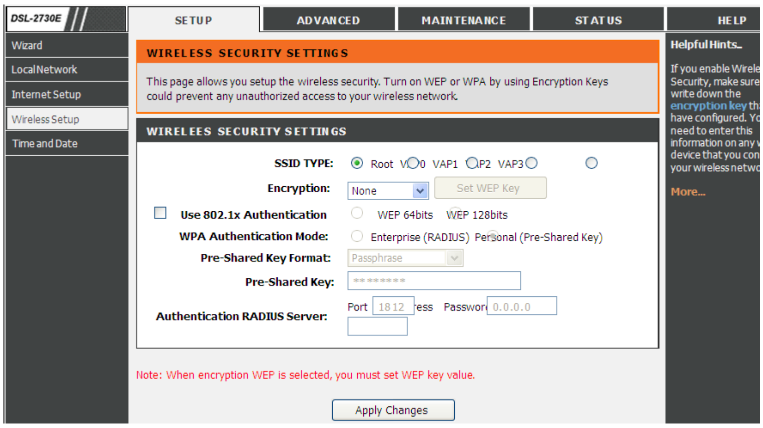
ACTIVE WIRELESS CLIENT TABLE

MAC Address	Tx Packet	Rx Packet	Tx Rate (Mbps)	Power Saving	Expired Time (s)
None	---	---	---	---	---

Click **Apply Changes** to save the settings.

3.2.4.2 Wireless Security

Choose **Setup** > **Wireless Setup** > **Wireless Security**. The **Wireless Security Settings** page appears. Turn on WEP or WPA using encryption keys could prevent any unauthorized access to your wireless network.



WIRELESS SECURITY SETTINGS

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

WIRELEES SECURITY SETTINGS

SSID TYPE: ● Root ○ VAP0 ○ VAP1 ○ VAP2 ○ VAP3

Encryption: None

☐ Use 802.1x Authentication ○ WEP 64bits ○ WEP 128bits

WPA Authentication Mode: ○ Enterprise (RADIUS) ○ Personal (Pre-Shared Key)

Pre-Shared Key Format: Passphrase

Pre-Shared Key: ********

Authentication RADIUS Server: Port 1812 IP address 0.0.0.0 Password

Note: When encryption WEP is selected, you must set WEP key value.

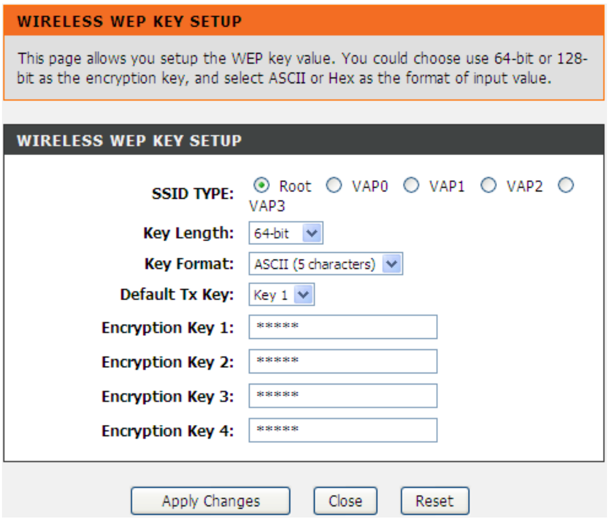
Helpful Hints...

If you enable Wirele Security, make sure write down the encryption key th have configured. Yo need to enter this information on any w device that you con your wireless netwo

The following table describes the parameters of this page:

Field	Description
Encryption	Configure the wireless encryption mode. You can choose **None**, **WEP**, **WPA (TKIP)**, **WPA (AES)**, **WPA2 (AES)**, **WPA2 (TKIP)** or **WPA2 Mixed**. ● Wired equivalent privacy (WEP) encrypts data frames before transmitting over the wireless network. ● Wi-Fi protected access (WPA) is a subset of the IEEE802.11i security specification draft. ● WPA2 Mixed is the collection of WPA and WPA2 encryption modes. The wireless client establishes the connection between the modem through WPA or WPA2. Key differences between WPA and WEP are in user authentication and improved data encryption.
Set WEP Key	It is available when you set the encryption mode to **WEP**. Click it, the **Wireless WEP Key Setup** page appears.
WPA Authentication Mode	● Select **Personal (Pre-Shared Key)**, enter the pre-shared key in the **Pre-Shared Key** field. ● Select **Enterprise (RADIUS)**, enter the port, IP address, and password of the Radius server. You need to enter the username and password provided by the Radius server when the wireless client connects the modem. If the encryption is set to **WEP**, the modem uses 802.1 X authentication, which is Radius authentication.

Click **Set WEP Key**, and the page **Wireless WEP Key Setup** appears. You can choose a 64-bit or 128-bit encryption key, and select ASCII or Hex format for input values.



WIRELESS WEP KEY SETUP

This page allows you setup the WEP key value. You could choose use 64-bit or 128-bit as the encryption key, and select ASCII or Hex as the format of input value.

WIRELESS WEP KEY SETUP

SSID TYPE: ● Root ○ VAP0 ○ VAP1 ○ VAP2 ○ VAP3

Key Length: 64-bit

Key Format: ASCII (5 characters)

Default Tx Key: Key 1

Encryption Key 1: *****

Encryption Key 2: *****

Encryption Key 3: *****

Encryption Key 4: *****

The following describes the parameters of this page:

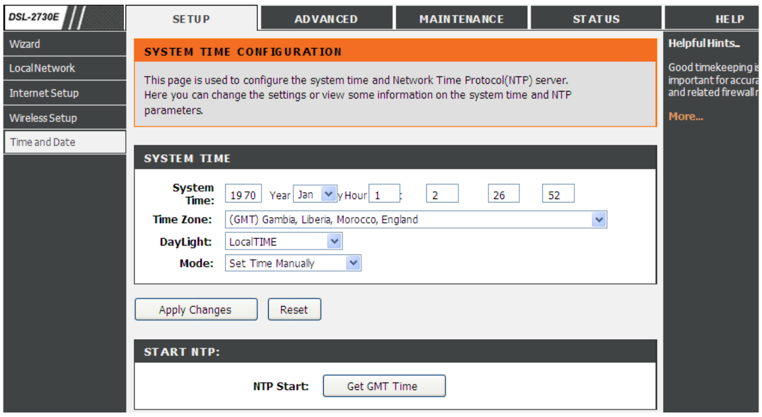
Field	Description
Key Length	Choose the WEP key length. You can Choose **64-bit** or **128-bit**.
Key Format	● If you choose **64-bit**, you can choose ASCII (5 characters) or Hex (10 characters). ● If you choose **128-bit**, you can choose ASCII (13 characters) or Hex (26 characters).
Default Tx Key	Choose the index of WEP Key. You can choose **Key 1**, **Key 2**, **Key 3** or **Key 4**.
Encryption Key 1 to 4	The Encryption keys are used to encrypt the data. Both the modem and wireless stations must use the same encryption key for data transmission. ● If you choose **64-bit** and **ASCII (5 characters)**, enter any 5 ASCII characters. ● If you choose **64-bit** and **Hex (10 characters)**, enter any 10 hexadecimal characters. ● If you choose **128-bit** and **ASCII (13**

Field	Description
	characters), enter any 13 ASCII characters. ● If you choose **128-bit** and **Hex (26 characters)**, enter any 26 hexadecimal characters.
Apply Changes	Click it to apply the settings temporarily. If you want to save the settings of this page permanently, click **Save** in the lower left corner.

Click **Apply Changes** to save the settings.

3.2.5 Time and Date

Choose **Setup** > **Time and Date**. The **System Time Configuration** page appears. In the page, you can configure, update and maintain the correct time on the internal system clock. You can set the time zone that you are in and the Network Time Protocol (NTP) server. You can also configure daylight saving to automatically adjust the time when needed.



DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Wizard
Local Network
Internet Setup
Wireless Setup
Time and Date
Apply Changes
Reset
Get GMT Time
More...

SYSTEM TIME CONFIGURATION

This page is used to configure the system time and Network Time Protocol(NTP) server. Here you can change the settings or view some information on the system time and NTP parameters.

SYSTEM TIME

System Time: 1970 Year Jan Hour 1 : 2 26 52

Time Zone: (GMT) Gambia, Liberia, Morocco, England

DayLight: LocalTIME

Mode: Set Time Manually

START NTP:

NTP Start: Get GMT Time

Helpful Hints..

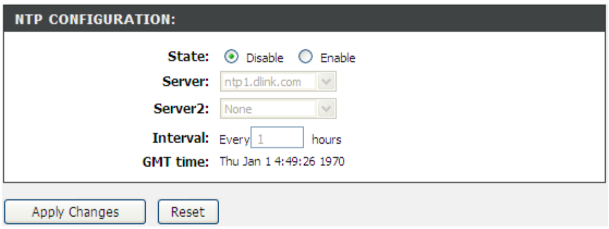
Good timekeeping is important for accura and related firewall

The following table describes the parameters in this page.

Field	Description
System Time	Displays the time currently maintained by the router. If this is incorrect, use the following options to configure the time correctly.

Field	Description
Time Zone	Select your local time zone from the dropdown list.
Daylight	Adjust the clock for daylight savings time.
Mode	To synchronize the time automatically with the Internet or your own computer, you may select **Set Time Manually**, **Copy Computer Time** or **Set NTP Server Manually**.
Get GMT Time	Synchronize to Greenwich Mean Time.

When the mode is set to **Set NTP Server Manually**, the following page will appear.



NTP CONFIGURATION:

State: ● Disable ○ Enable

Server: ntp1.dlink.com

Server2: None

Interval: Every 1 hours

GMT time: Thu Jan 1 4:49:26 1970

The following table describes the parameters in this page.

Field	Description
State	Select **Enable** to synchronize the time automatically with Internet or your own computer.
Server	Select a Network Time Server for synchronization from the dropdown list. You may set two servers.
Interval	Specify the interval for synchronization with the time server.

3.3 Advanced

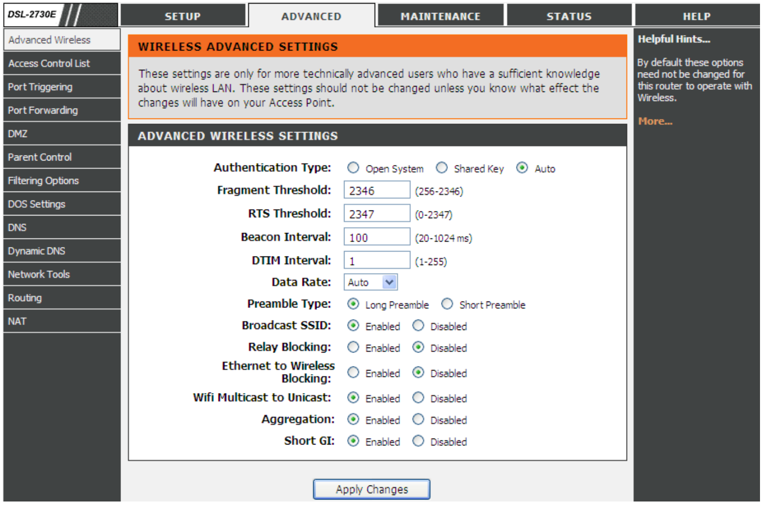
This section includes advanced features for network management, security and administrative tools to manage the device. You can view status and other information used to examine performance and for troubleshooting.

3.3.1 Advanced Wireless

This function is used to modify the standard 802.11g wireless radio settings. It is suggested not to change the defaults, as incorrect settings may reduce the performance of your wireless radio. The default settings provide the best wireless radio performance in most environments.

3.3.1.1 Advanced Settings

Choose **Advanced** > **Advanced Wireless** > **Wireless Advanced**. The page shown in the following figure appears. These settings are only for more technically advanced users who have sufficient knowledge about wireless LAN. Do not change these settings unless you know the effect of changes on the device.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
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Dynamic DNS
Network Tools
Routing
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More...
Apply Changes

WIRELESS ADVANCED SETTINGS

These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.

ADVANCED WIRELESS SETTINGS

Authentication Type: ○ Open System ○ Shared Key ● Auto
Fragment Threshold: 2346 (256-2346)
RTS Threshold: 2347 (0-2347)
Beacon Interval: 100 (20-1024 ms)
DTIM Interval: 1 (1-255)
Data Rate: Auto
Preamble Type: ● Long Preamble ○ Short Preamble
Broadcast SSID: ● Enabled ○ Disabled
Relay Blocking: ○ Enabled ● Disabled
Ethernet to Wireless Blocking: ○ Enabled ● Disabled
Wifi Multicast to Unicast: ● Enabled ○ Disabled
Aggregation: ● Enabled ○ Disabled
Short GI: ● Enabled ○ Disabled

Helpful Hints...

By default these options need not be changed for this router to operate with Wireless.

The following table describes the parameters in this page.

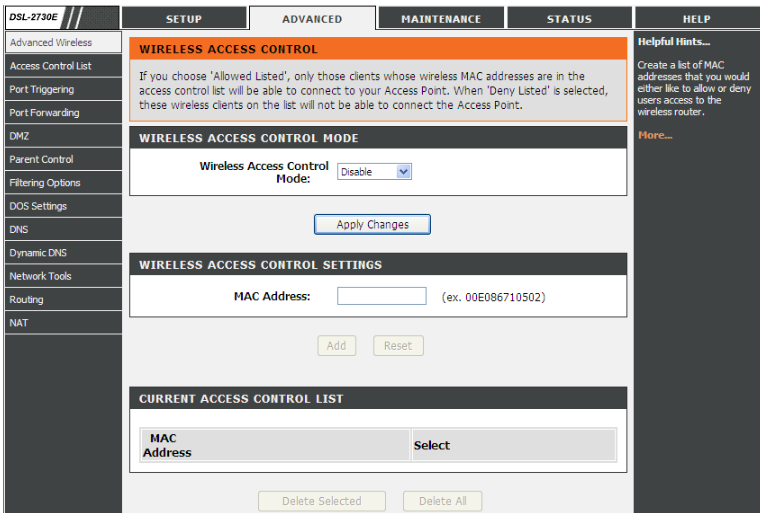
Field	Description
Fragment Threshold	Used to fragment packets which help improve performance in the presence of radio frequency (RF) interference.
RTS Threshold (Request to	Determines the packet size of a transmission through the use of the router to help control traffic flow.

Field	Description
Send Threshold)	
Beacon Interval	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.
Preamble Type	This is the length of the CRC (Cyclic Redundancy Check) block for communication between the router and wireless clients. High network traffic areas should select Short preamble type.
Broadcast SSID	With Disabled selected, no wireless clients will be able to see your wireless network when they scan to see what's available.

Click **Apply Changes** to save the settings.

3.3.1.2 Access Control

Choose **Advanced** > **Advanced Wireless** > **Access Control**. The page shown in the following figure appears. Incoming connection can be filtered on your wireless router based on their MAC addresses.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
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DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Add
Reset
Delete Selected
Delete All
More...

WIRELESS ACCESS CONTROL

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

WIRELESS ACCESS CONTROL MODE

Wireless Access Control Mode: Disable

WIRELESS ACCESS CONTROL SETTINGS

MAC Address: (ex. 00E086710502)

CURRENT ACCESS CONTROL LIST

MAC Address	Select

Helpful Hints...

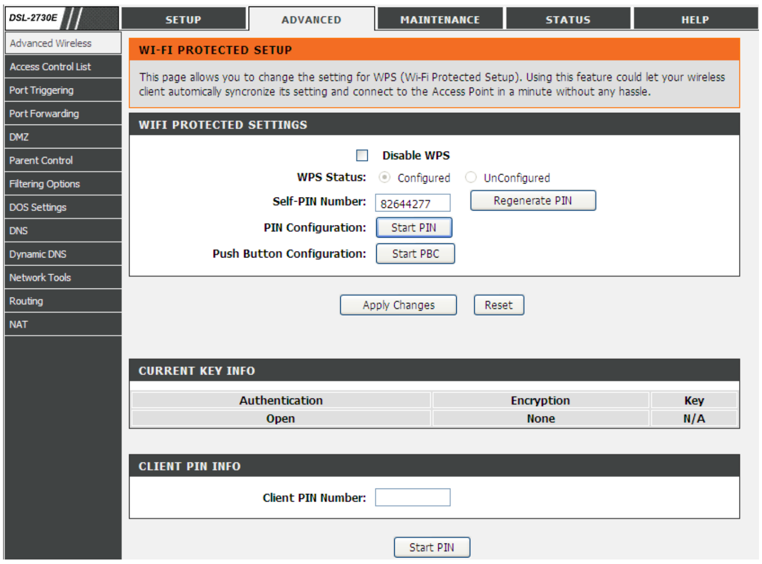
Create a list of MAC addresses that you would either like to allow or deny users access to the wireless router.

Set the Wireless Access Control Mode to **Allow Listed** to enable white list function. Only the devices whose MAC addresses are listed in the **Current Access Control List** can access the modem.

Set the Wireless Access Control Mode to **Deny Listed** to enable black list function. The devices whose MAC addresses are listed in the **Current Access Control List** are denied to access the modem.

3.3.1.3 WPS

Choose **Advanced** > **Advanced Wireless** > **WPS**. The page shown in the following figure appears. With this feature, your wireless client automically syncronize its setting and connect to the Access Point.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Regenerate PIN
Start PIN
Start PBC
Apply Changes
Reset
Start PIN

WI-FI PROTECTED SETUP

This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client automically syncronize its setting and connect to the Access Point in a minute without any hassle.

WIFI PROTECTED SETTINGS

☐ Disable WPS

WPS Status: ● Configured ○ UnConfigured

Self-PIN Number: 82644277

PIN Configuration:

Push Button Configuration:

CURRENT KEY INFO

Authentication	Encryption	Key
Open	None	N/A

CLIENT PIN INFO

Client PIN Number:

There are two methods for the wireless client to establish connection with the modem through WPS.

For one method, click **Regenerate PIN** to generate a new PIN, and then click **Start PBC**. In the wireless client tool, enter the PIN which is generated by the modem to start connection. The client will automatically establish the connection with the modem through the encryption mode, and you need not to enter the key.

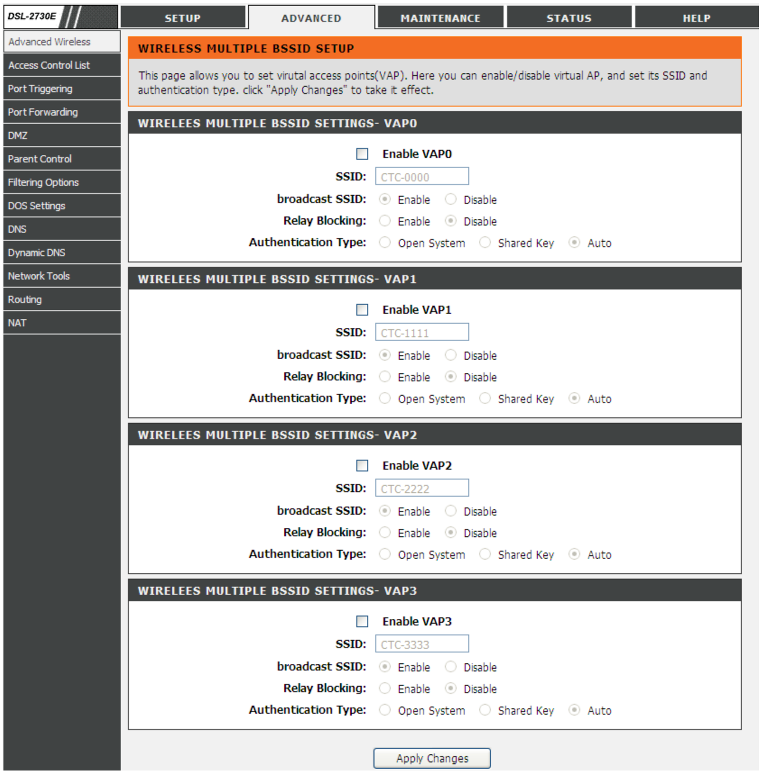
For the other method, the wireless client generates PIN. In the above figure, enter PIN of the wireless client in the **Client PIN Number** field, then click **Start PIN** to establish the connection.

Note:

The wireless client establishes the connection with the modem through WPS negotiation. The wireless client must support WPS.

3.3.1.4 MBSSID

Choose **Advanced** > **Advanced Wireless** > **MBSSID**. The page shown in the following figure appears. In this page, you can set virutal access points (VAP), its SSID and authentication type.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes

WIRELESS MULTIPLE BSSID SETUP

This page allows you to set virutal access points(VAP). Here you can enable/disable virtual AP, and set its SSID and authentication type. click "Apply Changes" to take it effect.

WIRELEES MULTIPLE BSSID SETTINGS- VAP0

☐ Enable VAP0
SSID: CTC-0000
broadcast SSID: ● Enable ○ Disable
Relay Blocking: ○ Enable ● Disable
Authentication Type: ○ Open System ○ Shared Key ● Auto

WIRELEES MULTIPLE BSSID SETTINGS- VAP1

☐ Enable VAP1
SSID: CTC-1111
broadcast SSID: ● Enable ○ Disable
Relay Blocking: ○ Enable ● Disable
Authentication Type: ○ Open System ○ Shared Key ● Auto

WIRELEES MULTIPLE BSSID SETTINGS- VAP2

☐ Enable VAP2
SSID: CTC-2222
broadcast SSID: ● Enable ○ Disable
Relay Blocking: ○ Enable ● Disable
Authentication Type: ○ Open System ○ Shared Key ● Auto

WIRELEES MULTIPLE BSSID SETTINGS- VAP3

☐ Enable VAP3
SSID: CTC-3333
broadcast SSID: ● Enable ○ Disable
Relay Blocking: ○ Enable ● Disable
Authentication Type: ○ Open System ○ Shared Key ● Auto

The device supports four virtual access points (VAPs). It is a unique name to identify the modem in the wireless LAN. Wireless stations associating to the modem must have the same name. Enter a descriptive name that is used when the wireless client is connecting to the modem.

3.3.2 Access Control List

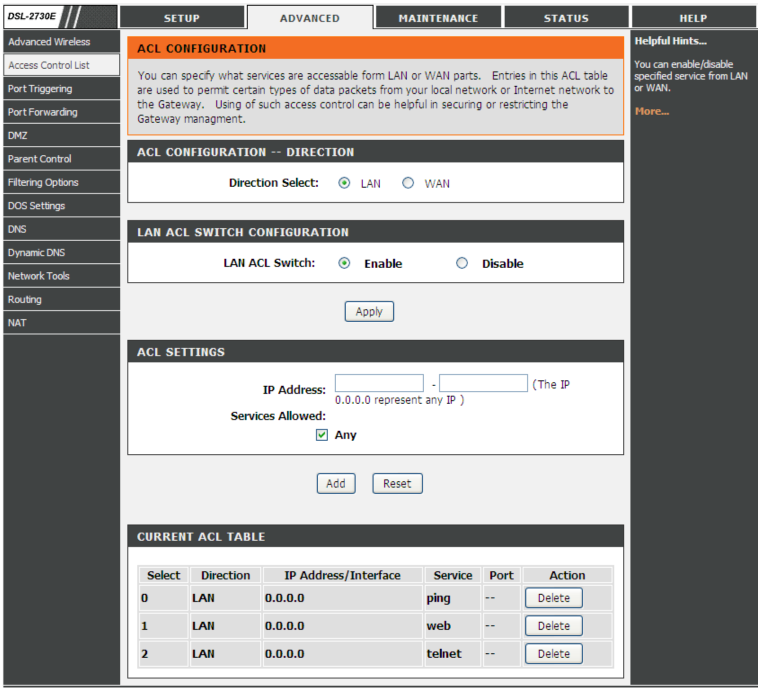
Multiple connections are required by some applications, for example, internet games, video conferencing and Internet telephony. These applications have difficulties working through NAT (Network Address Translation). This section is used to open multiple ports or a range of ports in your router and redirect data through those ports to a single PC on your network.

3.3.2.1 Access Control List

Choose **Advanced** > **Access Control List** > **Access Control List**. The page shown in the following figure appears. In this page, you can permit the data packets from LAN or WAN to access the router. You can configure the IP address for Access Control List (ACL). If ACL is enabled, only the effective IP address in the ACL can access the router.

Note:

If you select **Enable** in ACL capability, ensure that your host IP address is in ACL list before it takes effect.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply
Add
Reset

ACL CONFIGURATION

You can specify what services are accessable form LAN or WAN parts. Entries in this ACL table are used to permit certain types of data packets from your local network or Internet network to the Gateway. Using of such access control can be helpful in securing or restricting the Gateway managment.

ACL CONFIGURATION -- DIRECTION

Direction Select: ● LAN ○ WAN

LAN ACL SWITCH CONFIGURATION

LAN ACL Switch: ● Enable ○ Disable

ACL SETTINGS

IP Address: ____ - ____ (The IP 0.0.0.0 represent any IP)

Services Allowed:

☑ Any

CURRENT ACL TABLE

Select	Direction	IP Address/Interface	Service	Port	Action
0	LAN	0.0.0.0	ping	--	Delete
1	LAN	0.0.0.0	web	--	Delete
2	LAN	0.0.0.0	telnet	--	Delete

Helpful Hints...

You can enable/disable specified service from LAN or WAN.

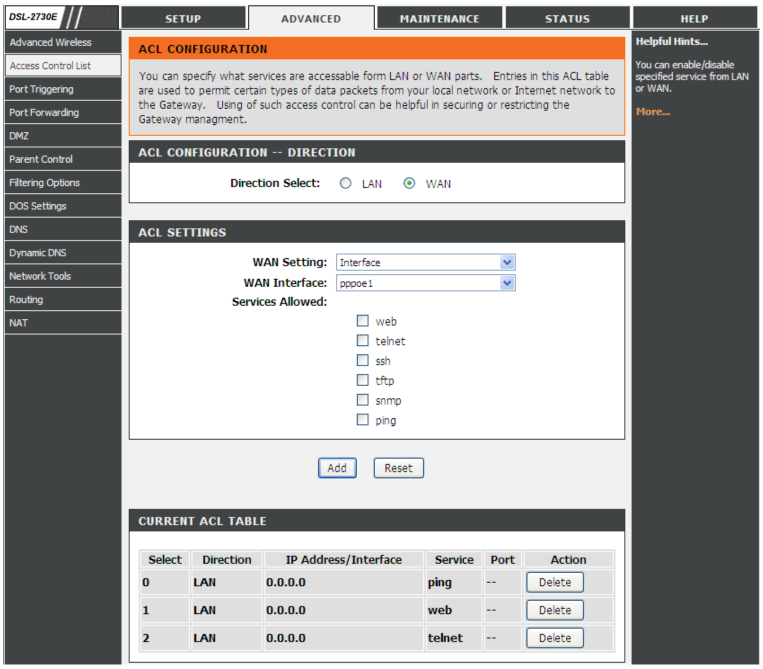
More...

The following table describes the parameters and buttons of this page:

Field	Description
Direction Select	Select the router interface. You can select **LAN** or **WAN**. In this example, **LAN** is selected.
LAN ACL Switch	Select it to enable or disable ACL function.
IP Address	Enter the IP address of the specified interface. Only the IP address that is in the same network segment with the IP address of the specified interface can access the router.
Services Allowed	You can choose the following services from LAN: **Web**, **Telnet**, **SSH**, **TFTP**, **SNMP** and **PING**. You can also choose all the services.
Add	After setting the parameters, click it to add an entry

Field	Description
	to the **Current ACL Table**.
Reset	Click it to refresh this page.

When the direction of data packets is set to **WAN**, the page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add
Reset
Delete

ACL CONFIGURATION

You can specify what services are accessable form LAN or WAN parts. Entries in this ACL table are used to permit certain types of data packets from your local network or Internet network to the Gateway. Using of such access control can be helpful in securing or restricting the Gateway managment.

Helpful Hints...

You can enable/disable specified service from LAN or WAN.

More...

ACL CONFIGURATION -- DIRECTION

Direction Select: ○ LAN ● WAN

ACL SETTINGS

WAN Setting: Interface

WAN Interface: pppoe1

Services Allowed:

☐ web
☐ telnet
☐ ssh
☐ tftp
☐ snmp
☐ ping

CURRENT ACL TABLE

Select	Direction	IP Address/Interface	Service	Port	Action
0	LAN	0.0.0.0	ping	--	Delete
1	LAN	0.0.0.0	web	--	Delete
2	LAN	0.0.0.0	telnet	--	Delete

The following table describes the parameters and buttons of this page:

Field	Description
Direction Select	Select the router interface. You can select **LAN** or **WAN**. In this example, **WAN** is selected.
WAN Setting	You can choose **Interface** or **IP Address**.
WAN Interface	Choose the interface that permits data packets from WAN to access the router.

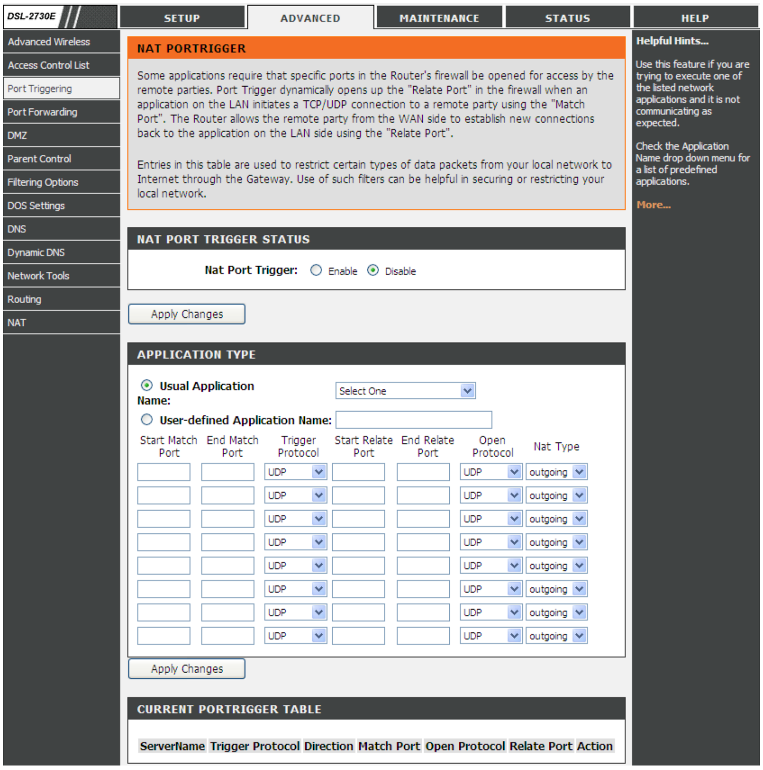
Field	Description
Services Allowed	You can choose the following services from WAN: **Web**, **Telnet**, **SSH**, **TFTP**, **SNMP** and **PING**. You can also choose all the services.
Add	After setting the parameters, click it to add an entry to the **Current ACL Table**.
Reset	Click it to refresh this page.

3.3.2.2 Access Control List IPv6

Choose **Advanced** > **Access Control List** > **Access Control List IPv6**. The page shown in the following figure appears. For configuration method, refer to *3.3.2.1 Access Control List*.

3.3.3 Port Triggering

Choose **Advanced** > **Port Triggering**. The page shown in the following figure appears. Port Triggering is a special form of Port Forwarding in which it requires an outgoing connection before allowing incoming connections on a single or multiple ports. Port Triggering is mostly used when your computer is behind a NAT router. It gives more flexibility than static port forwarding because you don't need to set it up for a specific computer.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Select One
Apply Changes
More...

NAT PORTRIGGER

Some applications require that specific ports in the Router's firewall be opened for access by the remote parties. Port Trigger dynamically opens up the "Relate Port" in the firewall when an application on the LAN initiates a TCP/UDP connection to a remote party using the "Match Port". The Router allows the remote party from the WAN side to establish new connections back to the application on the LAN side using the "Relate Port".

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

Helpful Hints...

Use this feature if you are trying to execute one of the listed network applications and it is not communicating as expected.

Check the Application Name drop down menu for a list of predefined applications.

NAT PORT TRIGGER STATUS

Nat Port Trigger: ○ Enable ● Disable

APPLICATION TYPE

● Usual Application Name: Select One

○ User-defined Application Name:

Start Match Port	End Match Port	Trigger Protocol	Start Relate Port	End Relate Port	Open Protocol	Nat Type
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing
		UDP			UDP	outgoing

CURRENT PORTRIGGER TABLE

ServerName	Trigger Protocol	Direction	Match Port	Open Protocol	Relate Port	Action

Click the **Usual Application Name** drop-down menu to choose the application you want to set up for port triggering. When you have chosen an application the default Trigger settings will populate the table below.

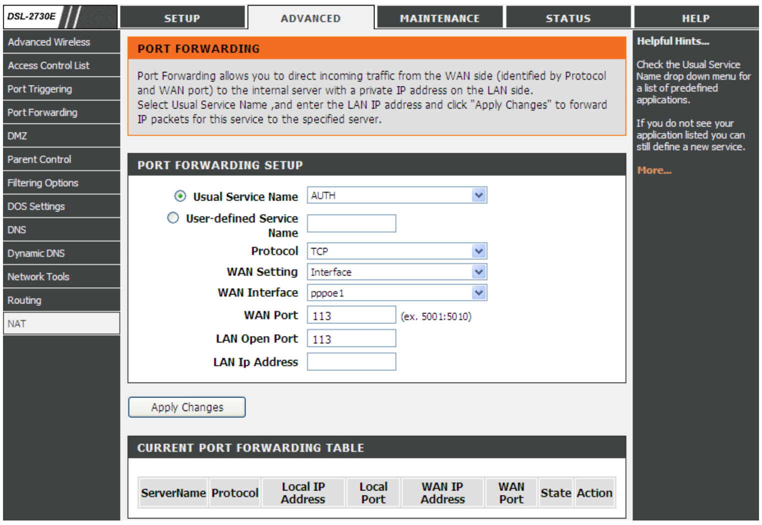
If the application you want to set up isn't listed, click the **User-defined Application Name** radio button and type in a name for the trigger in the Custom application field. Configure the **Start Match Port**, **End Match Port**, **Trigger Protocol**, **Start Relate Port**, **End Relate Port, Open Protocol** and **Nat type**.

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

3.3.4 Port Forwarding

This function is used to open ports in your device and redirect data through those ports to a single PC on your network (WAN-to-LAN traffic). It allows remote users to access services on your LAN, such as FTP for file transfers or SMTP and POP3 for e-mail. The device accepts remote requests for these services at your global IP address. It uses the specified TCP or UDP protocol and port number, and redirects these requests to the server on your LAN with the LAN IP address you specify. Note that the specified private IP address must be within the available range of the subnet where the device is in.

Choose **Advanced** > **Port Forwarding**. The page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
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Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
More...

PORT FORWARDING

Port Forwarding allows you to direct incoming traffic from the WAN side (identified by Protocol and WAN port) to the internal server with a private IP address on the LAN side.
Select Usual Service Name ,and enter the LAN IP address and click "Apply Changes" to forward IP packets for this service to the specified server.

PORT FORWARDING SETUP

● Usual Service Name: AUTH
○ User-defined Service Name:
Protocol: TCP
WAN Setting: Interface
WAN Interface: pppoe1
WAN Port: 113 (ex. 5001:5010)
LAN Open Port: 113
LAN Ip Address:

CURRENT PORT FORWARDING TABLE

ServerName	Protocol	Local IP Address	Local Port	WAN IP Address	WAN Port	State	Action

Helpful Hints...

Check the Usual Service Name drop down menu for a list of predefined applications.

If you do not see your application listed you can still define a new service.

Click the **Usual Service Name** drop-down menu to choose the service you want to set up for port forwarding. When you have chosen a service, the default settings will populate the table below.

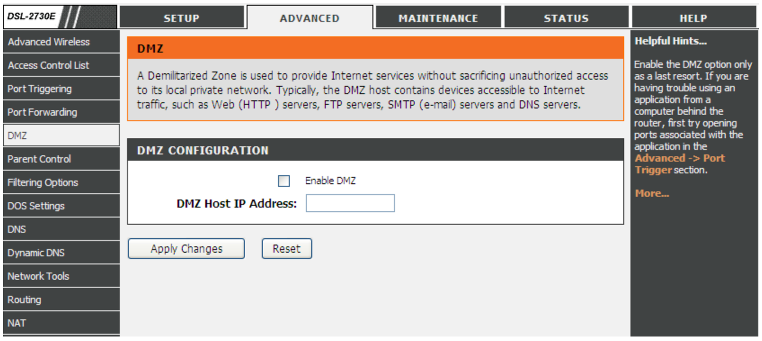
If the service you want to set up isn't listed, select the **User-defined Service Name** radio button and type in a service name. Configure the **Protocol**, **WAN Setting**, **WAN Interface**, **WAN Port**, **LAN Open Port** and **LAN IP Address**.

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

3.3.5 DMZ

DMZ is the abbreviation of the Demilitarized Zone. Since some applications are not compatible with NAT, the device supports the use of a DMZ IP address for a single host on the LAN. This IP address is not protected by NAT and it is visible to agents on the Internet with the correct type of software. Note that any client PC in the DMZ is exposed to various types of security risks. If you use the DMZ, take measures (such as client-based virus protection) to protect the remaining client PCs on your LAN from possible contamination through DMZ.

Choose **Advanced** > **DMZ**. The page shown in the following figure appears.


DSL-2730E
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Routing
NAT
Apply Changes
Reset
More...

DMZ

A Demilitarized Zone is used to provide Internet services without sacrificing unauthorized access to its local private network. Typically, the DMZ host contains devices accessible to Internet traffic, such as Web (HTTP) servers, FTP servers, SMTP (e-mail) servers and DNS servers.

DMZ CONFIGURATION

☐ Enable DMZ

DMZ Host IP Address:

Helpful Hints...

Enable the DMZ option only as a last resort. If you are having trouble using an application from a computer behind the router, first try opening ports associated with the application in the **Advanced -> Port Trigger** section.

In the DMZ Host IP Address, input the LAN IP address of the LAN computer that you want to have unrestricted Internet communication. If this computer obtains its address automatically using DHCP, then you may want to make a static reservation on the Setup-->Local Network-->DHCP Reserved page so that the IP address of the DMZ computer does not change.

Click **Apply** to save the settings.

3.3.6 Parental Control

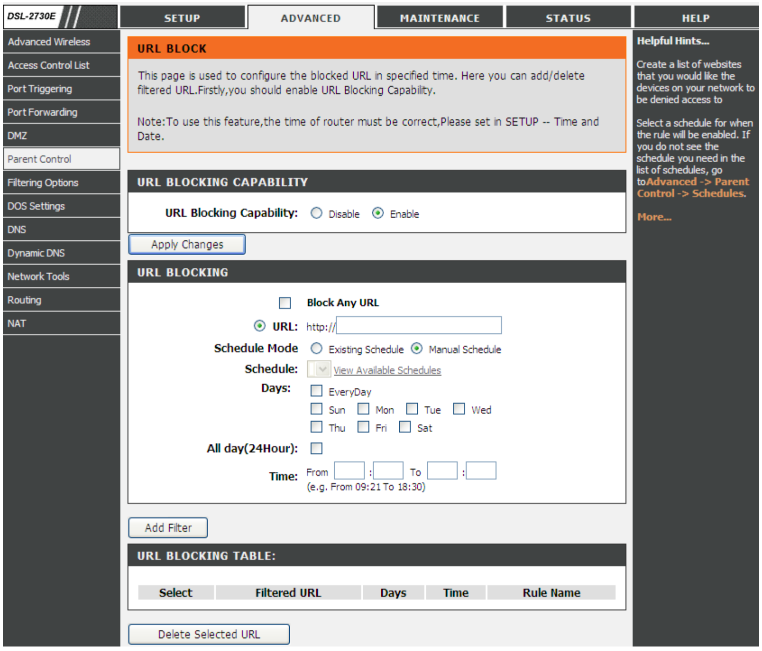
You may create a list of websites that you would like the devices on your network to be denied access to. **URL Block** allows you to quickly create a list of all websites that you wish to stop users from accessing. **MAC Filter** allows you to control when clients or PCs connected to the device are allowed to access the Internet.

3.3.6.1 URL Block

Choose **Advanced** > **Parental Control** > **URL Block**. The **URL Block** page shown in the following figure appears. You may deny certain websites from being accessed during the "schedule" you specified. Here you can add/delete filtered URL.

Note:

To use this feature, the time of router must be correct. Please set in 3.2.5 Time and Date.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Parent Control
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DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
View Available Schedules
Add Filter
Delete Selected URL
More...

URL BLOCK

This page is used to configure the blocked URL in specified time. Here you can add/delete filtered URL.Firstly,you should enable URL Blocking Capability.

Note:To use this feature,the time of router must be correct,Please set in SETUP -- Time and Date.

URL BLOCKING CAPABILITY

URL Blocking Capability: ○ Disable ● Enable

URL BLOCKING

☐ Block Any URL

● URL: http://

Schedule Mode ○ Existing Schedule ● Manual Schedule

Schedule:

Days: ☐ EveryDay
☐ Sun ☐ Mon ☐ Tue ☐ Wed
☐ Thu ☐ Fri ☐ Sat

All day(24Hour): ☐

Time: From : To :
(e.g. From 09:21 To 18:30)

URL BLOCKING TABLE:

Select	Filtered URL	Days	Time	Rule Name

Helpful Hints...

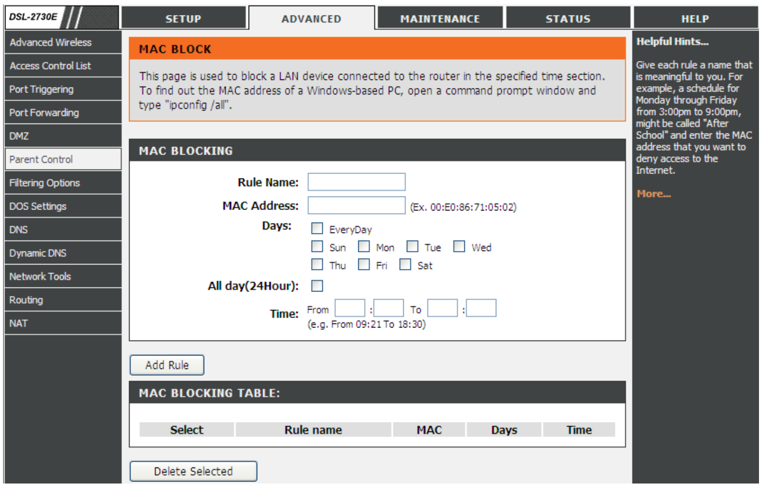
Create a list of websites that you would like the devices on your network to be denied access to

Select a schedule for when the rule will be enabled. If you do not see the schedule you need in the list of schedules, go to**Advanced -> Parent Control -> Schedules.**

In the field **Schedule Mode**, you may select an existing schedule schedule for when the rule will be enabled, or manually set a schedule. After setting, click **Add Filter** to add the URL into the **URL Blocking Table**. To add schedules, refer to 3.3.6.3 Schedules.

3.3.6.2 MAC Block

Choose **Advanced** > **Parental Control** > **MAC Block**. The **URL Block** page shown in the following figure appears. You may block a LAN device connected to the router in the specified time section.


DSL-2730E
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Parent Control
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Network Tools
Routing
NAT
Add Rule
Delete Selected
More...

MAC BLOCK

This page is used to block a LAN device connected to the router in the specified time section. To find out the MAC address of a Windows-based PC, open a command prompt window and type "ipconfig /all".

MAC BLOCKING

Rule Name:

MAC Address: (Ex. 00:E0:86:71:05:02)

Days: ☐ EveryDay
☐ Sun ☐ Mon ☐ Tue ☐ Wed
☐ Thu ☐ Fri ☐ Sat

All day(24Hour): ☐

Time: From : To :
(e.g. From 09:21 To 18:30)

MAC BLOCKING TABLE:

Select	Rule name	MAC	Days	Time

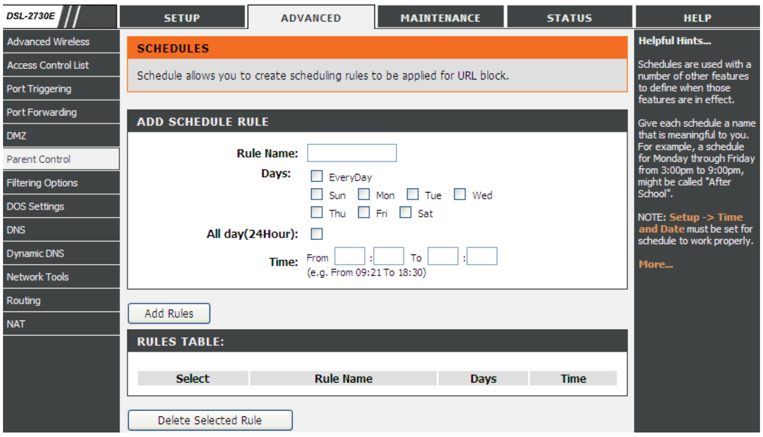
Helpful Hints...

Give each rule a name that is meaningful to you. For example, a schedule for Monday through Friday from 3:00pm to 9:00pm, might be called "After School" and enter the MAC address that you want to deny access to the Internet.

In the field **Rule Name**, input a name that is meaningful to you, then enter a MAC address that you want to deny access to the Internet, and set the days and hours, and click Add Rule to add the MAC into the **MAC Blocking Table**.

3.3.6.3 Schedules

Choose **Advanced** > **Parental Control** > **Schedules**. The **Schedules** page shown in the following figure appears. You may add or delete scheduling rules to be applied for URL block.


DSL-2730E
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Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
SCHEDULES
ADD SCHEDULE RULE
Rule Name:
Days:
☐ EveryDay
☐ Sun ☐ Mon ☐ Tue ☐ Wed
☐ Thu ☐ Fri ☐ Sat
All day(24Hour): ☐
Time: From : To :
(e.g. From 09:21 To 18:30)
Add Rules
RULES TABLE:
Select
Rule Name
Days
Time
Delete Selected Rule
Helpful Hints...
More...

Schedule allows you to create scheduling rules to be applied for URL block.

Schedules are used with a number of other features to define when those features are in effect.

Give each schedule a name that is meaningful to you. For example, a schedule for Monday through Friday from 3:00pm to 9:00pm, might be called "After School".

NOTE: Setup -> Time and Date must be set for schedule to work properly.

In the field **Rule Name**, give the schedule a name that is meaningful to you, such as "Weekday rule". Set the **Day(s)** and time field, and click **Add Rules** to save the new rule in the following Rules Table.

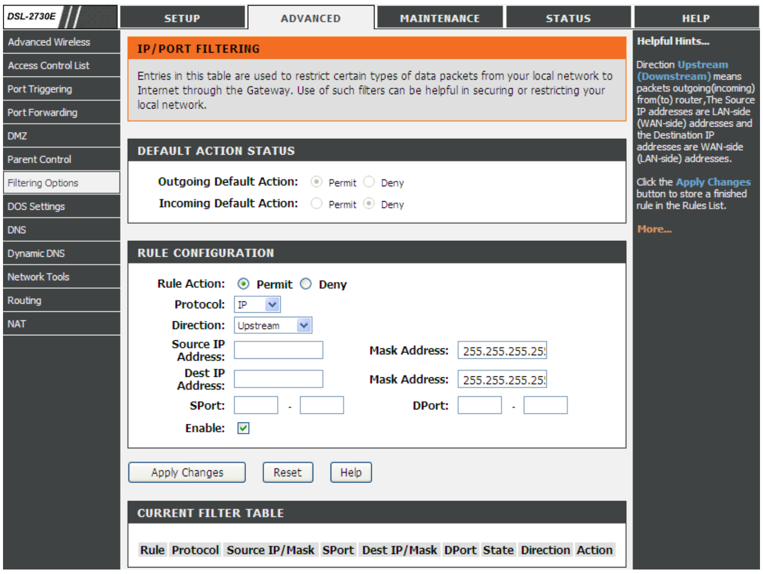
3.3.7 Filtering Options

Filters can be configured to manage your incoming and outgoing traffic.

3.3.7.1 IP/Port Filter

When you use the Port Triggering or Port Forwarding features to open specific ports to traffic from the Internet, you could be increasing the exposure of your LAN to cyberattacks from the Internet. In these cases, you can limit that exposure by specifying the IP addresses of Internet hosts that you trust to access your LAN through the ports that you have opened.

Choose **Advanced** > **Filtering Options** > **IP/Port Filter**. The **IP/Port Filtering** page shown in the following figure appears.


DSL-2730E
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Apply Changes
Reset
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More...

IP/PORT FILTERING

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

DEFAULT ACTION STATUS

Outgoing Default Action: ● Permit ○ Deny

Incoming Default Action: ○ Permit ● Deny

RULE CONFIGURATION

Rule Action: ● Permit ○ Deny

Protocol: IP

Direction: Upstream

Source IP Address: Mask Address: 255.255.255.25

Dest IP Address: Mask Address: 255.255.255.25

SPort: - DPort: -

Enable: ☑

CURRENT FILTER TABLE

Rule	Protocol	Source IP/Mask	SPort	Dest IP/Mask	DPort	State	Direction	Action

Helpful Hints...

Direction Upstream (Downstream) means packets outgoing(incoming) from(to) router,The Source IP addresses are LAN-side (WAN-side) addresses and the Destination IP addresses are WAN-side (LAN-side) addresses.

Click the Apply Changes button to store a finished rule in the Rules List.

Direction **Upstream (Downstream)** means packets outgoing (incoming) from (to) router. The Source IP addresses are LAN-side (WAN-side) addresses and the Destination IP addresses are WAN-side (LAN-side) addresses. Select the rule action, specify at least one of the following criteria: protocol, source/destination IP address, subnet mask and source/destination port.

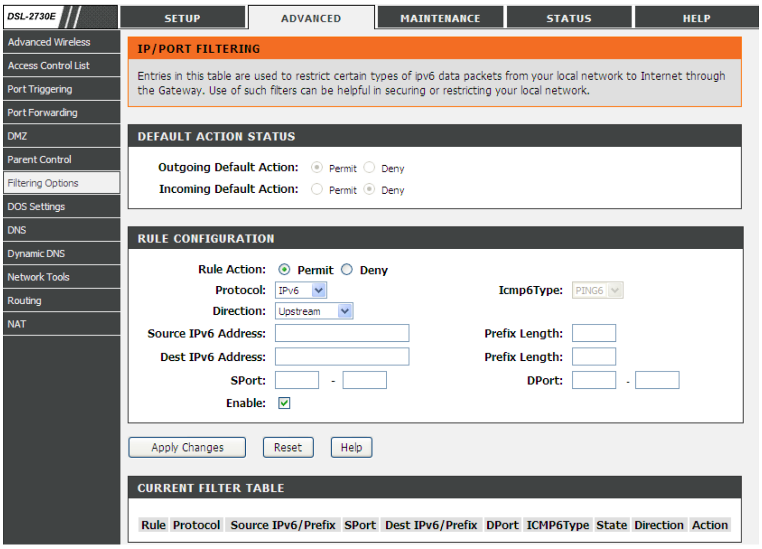
Click the **Apply Changes** to save a finished rule in the Rules List. The **Current Filter Table** shows detailed information about each created IP filter.

Note:

The settings only apply when the firewall is enabled.

3.3.7.2 IPv6/Port Filter

Choose **Advanced** > **Filtering Options** > **IPv6/Port Filter**. The **IP/Port Filtering** page shown in the following figure appears. You may restrict certain types of ipv6 data packets between LAN-side and WAN-side.


DSL-2730E
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Port Triggering
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DMZ
Parent Control
Filtering Options
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NAT
Apply Changes
Reset
Help

IP/PORT FILTERING

Entries in this table are used to restrict certain types of ipv6 data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

DEFAULT ACTION STATUS

Outgoing Default Action: ● Permit ○ Deny
Incoming Default Action: ○ Permit ● Deny

RULE CONFIGURATION

Rule Action: ● Permit ○ Deny
Protocol: IPv6
Icmp6Type: PING6
Direction: Upstream
Source IPv6 Address:
Prefix Length:
Dest IPv6 Address:
Prefix Length:
SPort: -
DPort: -
Enable: ☑

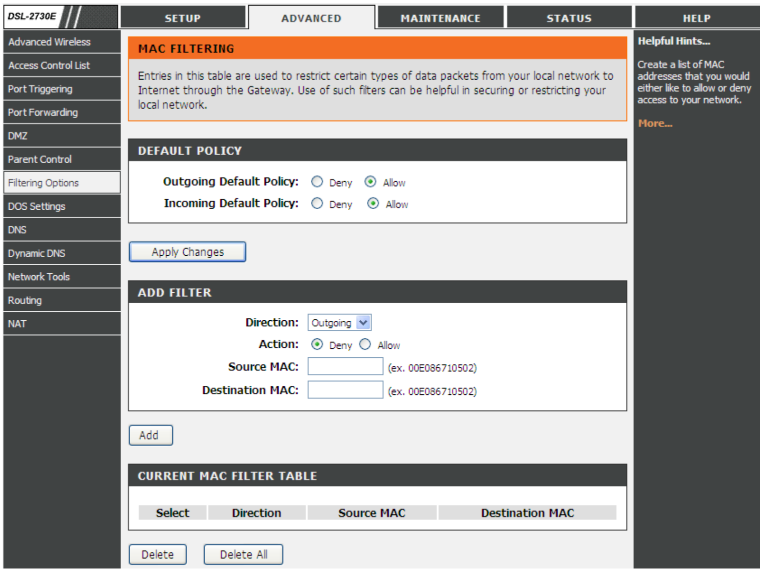
CURRENT FILTER TABLE

Rule	Protocol	Source IPv6/Prefix	SPort	Dest IPv6/Prefix	DPort	ICMP6Type	State	Direction	Action

For detailed configuration, you may refer to 3.3.7.1IP/Port Filter.

3.3.7.3 MAC Filter

Choose **Advanced** > **Filtering Options** > **MAC Filter**. The **MAC Filtering** page shown in the following figure appears. You may create a list of MAC addresses that you would either like to allow or deny access to your network.


DSL-2730E
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ADVANCED
MAINTENANCE
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Port Triggering
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DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Add
Delete
Delete All
More...

MAC FILTERING

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

DEFAULT POLICY

Outgoing Default Policy: ○ Deny ● Allow

Incoming Default Policy: ○ Deny ● Allow

ADD FILTER

Direction: Outgoing

Action: ● Deny ○ Allow

Source MAC: (ex. 00E086710502)

Destination MAC: (ex. 00E086710502)

CURRENT MAC FILTER TABLE

Select	Direction	Source MAC	Destination MAC

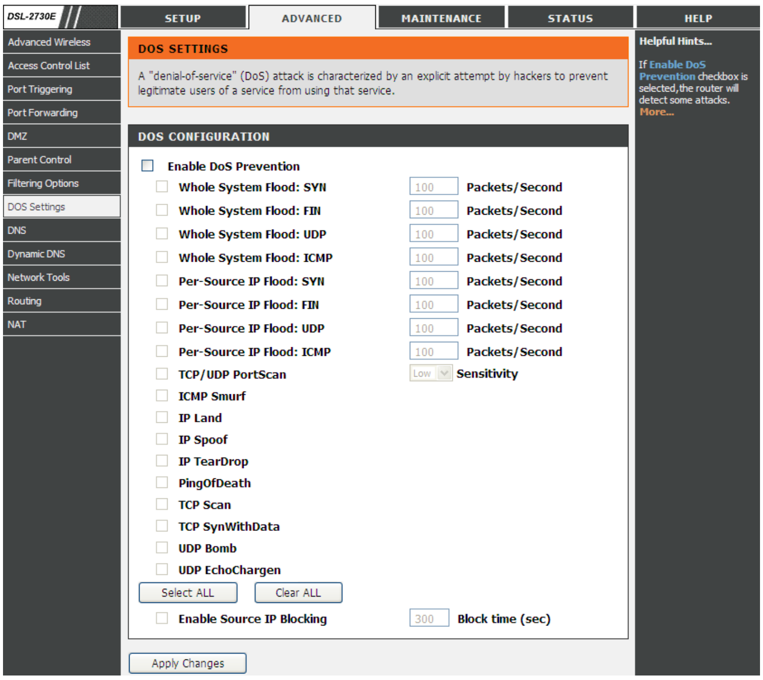
Helpful Hints...

Create a list of MAC addresses that you would either like to allow or deny access to your network.

3.3.8 DoS Settings

Denial-of-Service Attack (DoS attack) is a type of attack on a network that is designed to bring the network to its knees by flooding it with useless traffic.

Choose **Advanced** > **DoS Settings**. The **DOS Settings** page shown in the following figure appears. Select the **Enable DoS Prevention** checkbox, select the options below, and click **Apply Changes** to finish.


DSL-2730E
SETUP
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Port Triggering
Port Forwarding
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Parent Control
Filtering Options
DOS Settings
DNS
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Network Tools
Routing
NAT
Select ALL
Clear ALL
Apply Changes

DOS SETTINGS

A "denial-of-service" (DoS) attack is characterized by an explicit attempt by hackers to prevent legitimate users of a service from using that service.

DOS CONFIGURATION

☐ Enable DoS Prevention

☐ Whole System Flood: SYN	100	Packets/Second
☐ Whole System Flood: FIN	100	Packets/Second
☐ Whole System Flood: UDP	100	Packets/Second
☐ Whole System Flood: ICMP	100	Packets/Second
☐ Per-Source IP Flood: SYN	100	Packets/Second
☐ Per-Source IP Flood: FIN	100	Packets/Second
☐ Per-Source IP Flood: UDP	100	Packets/Second
☐ Per-Source IP Flood: ICMP	100	Packets/Second
☐ TCP/UDP PortScan	Low	Sensitivity
☐ ICMP Smurf		
☐ IP Land		
☐ IP Spoof		
☐ IP TearDrop		
☐ PingOfDeath		
☐ TCP Scan		
☐ TCP SynWithData		
☐ UDP Bomb		
☐ UDP EchoChargen		
☐ Enable Source IP Blocking	300	Block time (sec)

Helpful Hints...

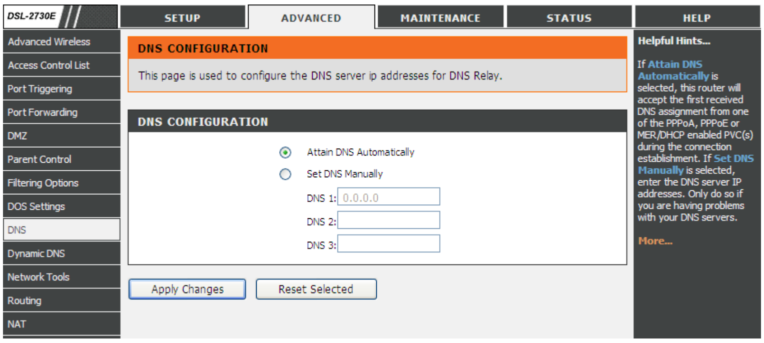
If **Enable DoS Prevention** checkbox is selected, the router will detect some attacks.
More...

3.3.9 DNS

Domain Name System (DNS) is an Internet service that translates the URL/domain name into the corresponding IP address. Since URL/Domain Names are alphabetical, they are easier to remember. But the Internet is based on IP address. For example, the URL/Domain Name www.dlink.com is actually 192.168.0.123.

3.3.9.1 DNS

Choose **Advanced** > **DNS** > **DNS**. The **DNS Configuration** page shown in the following figure appears. You may configure the ip addresses of DNS servers for DNS Relay.


DSL-2730E
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DOS Settings
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Network Tools
Routing
NAT
Apply Changes
Reset Selected
More...

DNS CONFIGURATION

This page is used to configure the DNS server ip addresses for DNS Relay.

DNS CONFIGURATION

● Attain DNS Automatically

○ Set DNS Manually

DNS 1: 0.0.0.0

DNS 2:

DNS 3:

Helpful Hints...

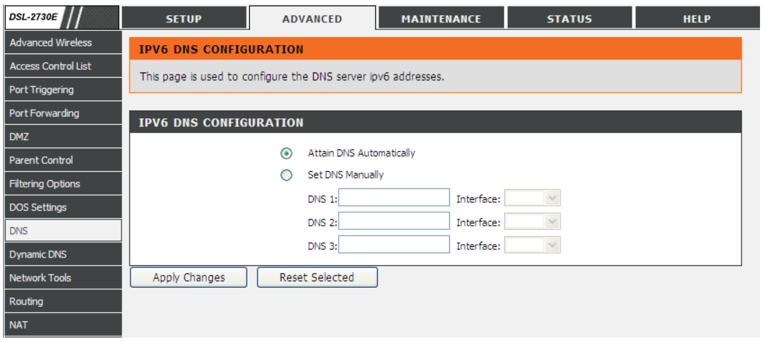
If **Attain DNS Automatically** is selected, this router will accept the first received DNS assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s) during the connection establishment. If **Set DNS Manually** is selected, enter the DNS server IP addresses. Only do so if you are having problems with your DNS servers.

The following table describes the parameters and buttons of this page:

Field	Description
Attain DNS Automatically	Select it, the router accepts the first received DNS assignment from one of the PPPoA, PPPoE or MER enabled PVC(s) during the connection establishment.
Set DNS Manually	Select it, enter the IP addresses of the primary and secondary DNS server.
Apply Changes	Click it to save the settings of this page.
Reset Selected	Click it to start configuring the parameters in this page.

3.3.9.2 IPv6 DNS

Choose **Advanced** > **DNS** > **IPv6 DNS**. The **IPv6 DNS Configuration** page shown in the following figure appears. You may configure the ipv6 addresses of DNS servers.


DSL-2730E
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Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset Selected

IPV6 DNS CONFIGURATION

This page is used to configure the DNS server ipv6 addresses.

IPV6 DNS CONFIGURATION

● Attain DNS Automatically

○ Set DNS Manually

DNS 1: Interface:

DNS 2: Interface:

DNS 3: Interface:

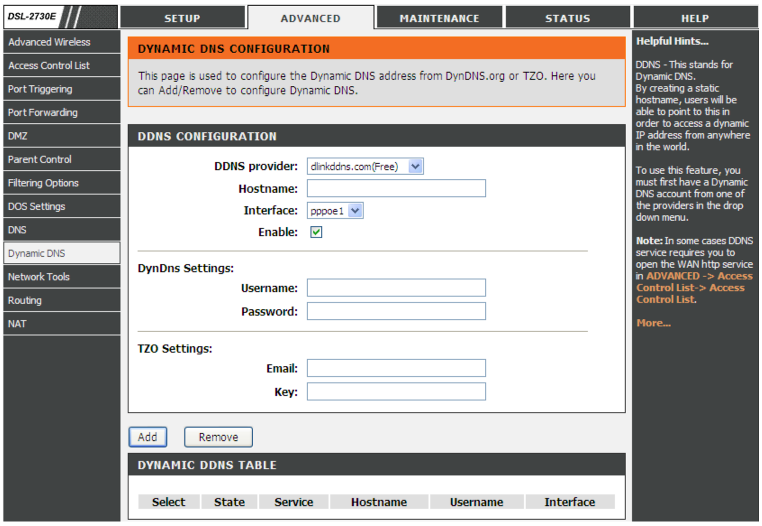
The following table describes the parameters and buttons of this page.

Field	Description
Attain DNS Automatically	Select it, the router accepts the first received DNS assignment from one of the PPPoA, PPPoE or MER enabled PVC(s) during the connection establishment.
Set DNS Manually	Select it, enter the IP addresses and choose the WAN interface of the primary, the secondary and the tertiary DNS server.
Interface	The router accepts received packet assignment from one of the PPPoA, PPPoE or MER enabled PVC(s).
Apply Changes	Click it to save the settings of this page.
Reset Selected	Click it to start configuring the parameters in this page.

3.3.10 Dynamic DNS

The device supports dynamic domain name service (DDNS). The dynamic DNS service allows a dynamic public IP address to be associated with a static host name in any of the many domains, and allows access to a specified host from various locations on the Internet. Click a hyperlinked URL in the form of hostname.dyndns.org and allow remote access to a host. Many ISPs assign public IP addresses using DHCP, so locating a specific host on the LAN using the standard DNS is difficult. For example, if you are running a public web server or VPN server on your LAN, DDNS ensures that the host can be located from the Internet even if the public IP address changes. DDNS requires that an account be set up with one of the supported DDNS service providers (DyndDNS.org or dlinkddns.com).

Choose **Advanced** > **Dynamic DNS**. The **Dynamic DNS Configuration** page shown in the following page appears.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Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add
Remove
Select
State
Service
Hostname
Username
Interface

DYNAMIC DNS CONFIGURATION

This page is used to configure the Dynamic DNS address from DynDNS.org or TZO. Here you can Add/Remove to configure Dynamic DNS.

DDNS CONFIGURATION

DDNS provider: dlinkddns.com(Free)

Hostname:

Interface: pppoe1

Enable: ☑

DynDns Settings:

Username:

Password:

TZO Settings:

Email:

Key:

DYNAMIC DDNS TABLE

Helpful Hints...

DDNS - This stands for Dynamic DNS.
By creating a static hostname, users will be able to point to this in order to access a dynamic IP address from anywhere in the world.

To use this feature, you must first have a Dynamic DNS account from one of the providers in the drop down menu.

Note: In some cases DDNS service requires you to open the WAN http service in **ADVANCED -> Access Control List-> Access Control List**.

More...

The following table describes the parameters and buttons of this page.

Field	Description
DDNS provider	Select a dynamic DNS service provider from the pull-down list.
Hostname	Enter the host name that you registered with your DDNS service provider.
Username	Enter the username provided by your service provider.
Password	Enter the password provided by your service provider.

Note:

In some cases DDNS service requires you to open the WAN http service. Refer to Access Control List-> Access Control List.

Click **Add** to save the settings to the **Dynamic DDNS Table**.

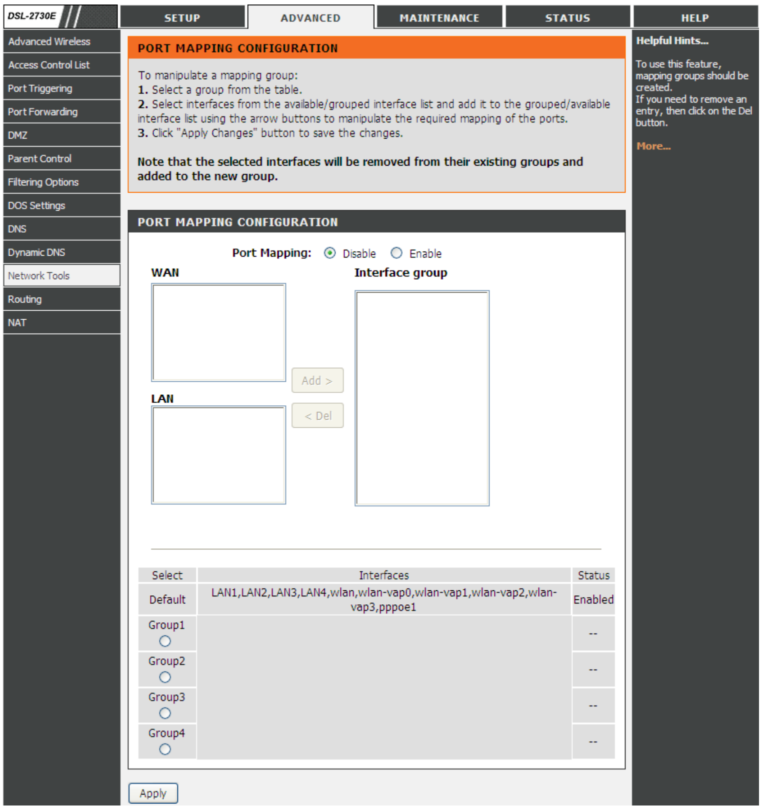
3.3.11 Network Tools

The router provides following tools: **Port Mapping**, **IGMP Proxy**, **IP QoS**, **UPnP**, **SNMP**, **TR-069**, **Software Forbidden**, **ARP Binding** and **Client Limit**.

3.3.11.1 Port Mapping

Port Mapping supports a single (LAN) port or multiple (LAN) ports to be formed as a group and mapped to a PVC (which is associated w/ a VLAN). As a result, each group of LAN ports will perform as an independent (logical) network (like a broadcast domain) among whom traffic broadcast would be prevented. This feature is useful while you would like to form multiple independent (logical) networks for multimedia applications at home. For instance, you can map PVC1 to port 1~3 to create a network (broadcast domain) for PCs for Internet, and map PVC2 to port 4 to create another network (broadcast domain) for IPTV service (devices). By using this feature (w/ multiple PVCs), data traffic and IPTV traffic would not affect each other.

Choose **Advanced** > **Network Tools** > **Port Mapping**. The **Port Mapping Configuration** page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add >
< Del
Apply
More...

PORT MAPPING CONFIGURATION

To manipulate a mapping group:
1. Select a group from the table.
2. Select interfaces from the available/grouped interface list and add it to the grouped/available interface list using the arrow buttons to manipulate the required mapping of the ports.
3. Click "Apply Changes" button to save the changes.

Note that the selected interfaces will be removed from their existing groups and added to the new group.

Helpful Hints...

To use this feature, mapping groups should be created.
If you need to remove an entry, then click on the Del button.

PORT MAPPING CONFIGURATION

Port Mapping: ● Disable ○ Enable

WAN

LAN

Interface group

Select	Interfaces	Status
Default	LAN1,LAN2,LAN3,LAN4,wlan,wlan-vap0,wlan-vap1,wlan-vap2,wlan-vap3,pppoe1	Enabled
Group1 ○		--
Group2 ○		--
Group3 ○		--
Group4 ○		--

Follow the steps to manipulate a mapping group.

Step 1 Select a group from the table.

Step 2 Select interfaces from the available WAN and LAN interface groups and add it to the interface group list using the arrow buttons to manipulate the required mapping of the ports.

Step 3 Click **Apply** button to save the changes.

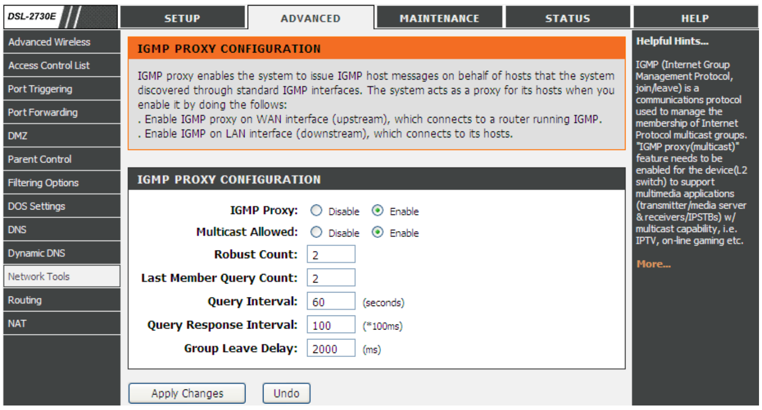
Note:

The selected interfaces will be removed from their existing groups and added to the new group.

3.3.11.2 IGMP Proxy

IGMP allows support for efficient multicasting -- transmission of identical content, such as multimedia, from a source to a number of recipients. IGMP proxy enables the system to issue IGMP host messages on behalf of hosts that the system discovered through standard IGMP interfaces. The system acts as a proxy for its hosts when you enable it.

Choose **Advanced** > **Network Tools** > **IGMP Proxy**. The **IGMP Proxy Configuration** page shown in the following figure appears.


DSL-2730E
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Routing
NAT
Apply Changes
Undo
More...

IGMP PROXY CONFIGURATION

IGMP proxy enables the system to issue IGMP host messages on behalf of hosts that the system discovered through standard IGMP interfaces. The system acts as a proxy for its hosts when you enable it by doing the follows:
. Enable IGMP proxy on WAN interface (upstream), which connects to a router running IGMP.
. Enable IGMP on LAN interface (downstream), which connects to its hosts.

IGMP PROXY CONFIGURATION

IGMP Proxy: ○ Disable ● Enable
Multicast Allowed: ○ Disable ● Enable
Robust Count: 2
Last Member Query Count: 2
Query Interval: 60 (seconds)
Query Response Interval: 100 (*100ms)
Group Leave Delay: 2000 (ms)

Helpful Hints...

IGMP (Internet Group Management Protocol, join/leave) is a communications protocol used to manage the membership of Internet Protocol multicast groups. "IGMP proxy(multicast)" feature needs to be enabled for the device(L2 switch) to support multimedia applications (transmitter/media server & receivers/IPSTBs) w/ multicast capability, i.e. IPTV, on-line gaming etc.

The following table describes the parameters and buttons of this page.

Field	Description
Multicast allowed	Enable multicast proxy, only for route mode.
Robust Count	Allows tuning for the expected packet loss on a link. It determines how many times a startup query should be xmitted.
Last Member Query Count	This parameter specifies the times the device sends the query message.

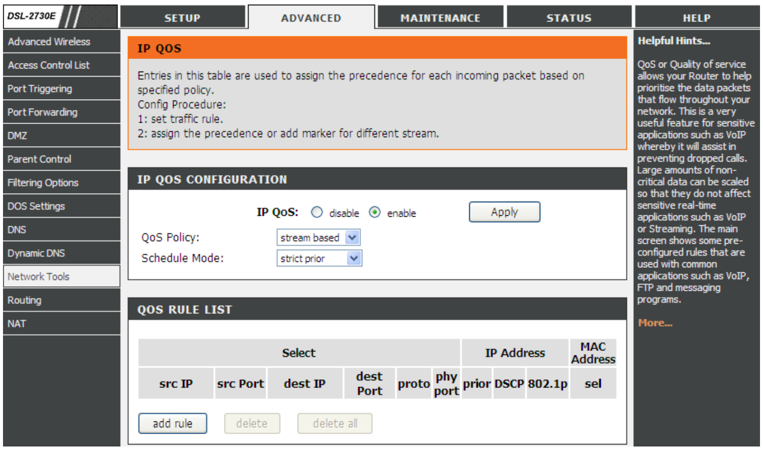
Field	Description
Query Interval	The device sends query messages to check IGMP user periodically. The unit is second.
Query Response Interval	The device waits for the IGMP user's reply. The unit is 100 * millisecond.
Group Leave Delay	The duration for the modem to cease forwarding multicast packets after a corresponding IGMP "Leave Group" message has been successfully offered to the modem.

Click **Apply Changes** to save the settings.

3.3.11.3 IP QoS

Quality of Service is a feature that allows you to allocate or guarantee the throughput or speed of Internet for certain computers. This is a very useful feature for sensitive applications such as VoIP whereby it will assist in preventing dropped calls. Large amounts of non-critical data can be scaled so that they do not affect sensitive real-time applications such as VoIP or Streaming.

Choose **Advanced** > **Network Tools** > **IP QoS**. The **IP QoS** page shown in the following figure appears.


DSL-2730E
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Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
IP QOS
IP QOS CONFIGURATION
Apply
QOS RULE LIST
add rule
delete
delete all
Helpful Hints...
More...

Entries in this table are used to assign the precedence for each incoming packet based on specified policy.
Config Procedure:
1: set traffic rule.
2: assign the precedence or add marker for different stream.

IP QoS: ○ disable ● enable

QoS Policy: stream based

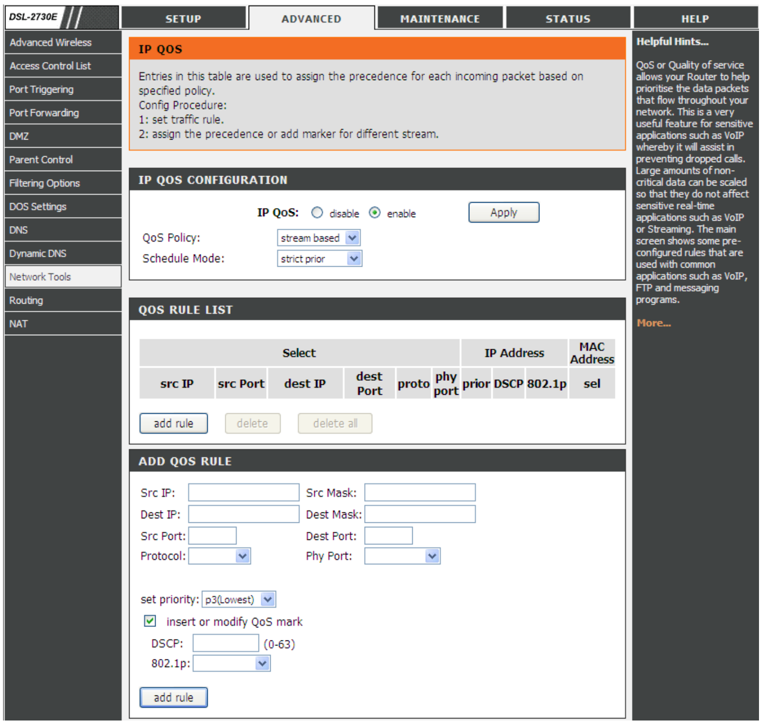
Schedule Mode: strict prior

Select						IP Address			MAC Address
src IP	src Port	dest IP	dest Port	proto	phy port	prior	DSCP	802.1p	sel

QoS or Quality of service allows your Router to help prioritise the data packets that flow throughout your network. This is a very useful feature for sensitive applications such as VoIP whereby it will assist in preventing dropped calls. Large amounts of non-critical data can be scaled so that they do not affect sensitive real-time applications such as VoIP or Streaming. The main screen shows some pre-configured rules that are used with common applications such as VoIP, FTP and messaging programs.

Step 1 Enable IP QoS and click **Apply** to enable IP QoS function.

Step 2 Click **add rule** to add a new IP QoS rule. The page shown in the following figure appears.


DSL-2730E
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Dynamic DNS
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Routing
NAT
Apply
add rule
delete
delete all
add rule
More...

IP QOS

Entries in this table are used to assign the precedence for each incoming packet based on specified policy.
Config Procedure:
1: set traffic rule.
2: assign the precedence or add marker for different stream.

IP QOS CONFIGURATION

IP QoS: ○ disable ● enable

QoS Policy: stream based

Schedule Mode: strict prior

QOS RULE LIST

Select						IP Address			MAC Address
src IP	src Port	dest IP	dest Port	proto	phy port	prior	DSCP	802.1p	sel

ADD QOS RULE

Src IP:
Src Mask:
Dest IP:
Dest Mask:
Src Port:
Dest Port:
Protocol:
Phy Port:

set priority: p3(Lowest)

☑ insert or modify QoS mark

DSCP: (0-63)

802.1p:

Helpful Hints...

QoS or Quality of service allows your Router to help prioritise the data packets that flow throughout your network. This is a very useful feature for sensitive applications such as VoIP whereby it will assist in preventing dropped calls. Large amounts of non-critical data can be scaled so that they do not affect sensitive real-time applications such as VoIP or Streaming. The main screen shows some pre-configured rules that are used with common applications such as VoIP, FTP and messaging programs.

The following table describes the parameters and buttons of this page.

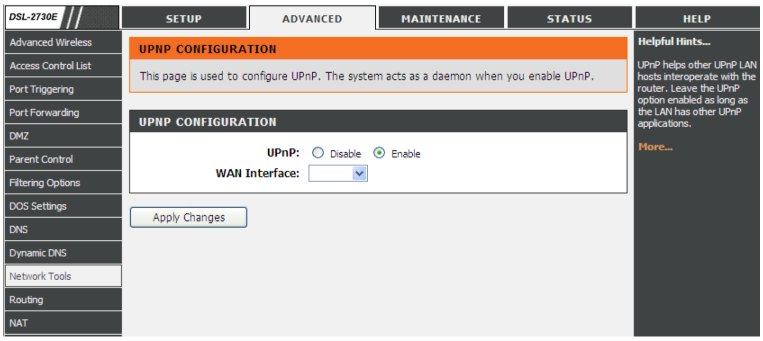
Field	Description
QoS Policy	You can choose **stream based**, **802.1p based**, or **DSCP based**.
Schedule Mode	You can choose **strict prior** or **WFQ (4:3:2:1)**.
Source IP	The IP address of the source data packet.
Source Mask	The subnet mask of the source IP address.
Destination IP	The IP address of the destination data packet.
Destination Mask	The subnet mask of the destination IP address.
Source Port	The port of the source data packet.
Destination Port	The port of the destination data packet.
Protocol	The protocol responding to the IP QoS rules. You can choose **TCP**, **UDP**, or **ICMP**.
Phy Port	The LAN interface responding to the IP QoS rules.
Set priority	The priority of the IP QoS rules. P0 is the highest priority and P3 is the lowest.
802.1p	You can choose from **0** to **7**.
Delete	Select a row in the **QoS rule list** and click it to delete the row.
Delete all	Select all the rows in the **QoS rule list** and click it to delete the rows.

Click **add rule** to add it to the **QoS Rule List**.

3.3.11.4 UpnP

UPnP (Universal Plug and Play) is a networking architecture that provides compatibility among networking equipment, software, and peripherals. This router has optional UPnP capability, and can work with other UPnP devices and software. The system acts as a daemon when you enable UPnP. Leave the UPnP option enabled as long as the LAN has other UPnP applications.

Choose **Advanced** > **Network Tools** > **UPnP**. The **UPnP Configuration** page shown in the following figure appears.


DSL-2730E
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Parent Control
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Dynamic DNS
Network Tools
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NAT
Apply Changes
More...

UPNP CONFIGURATION

This page is used to configure UPnP. The system acts as a daemon when you enable UPnP.

UPNP CONFIGURATION

UPnP: ○ Disable ● Enable

WAN Interface:

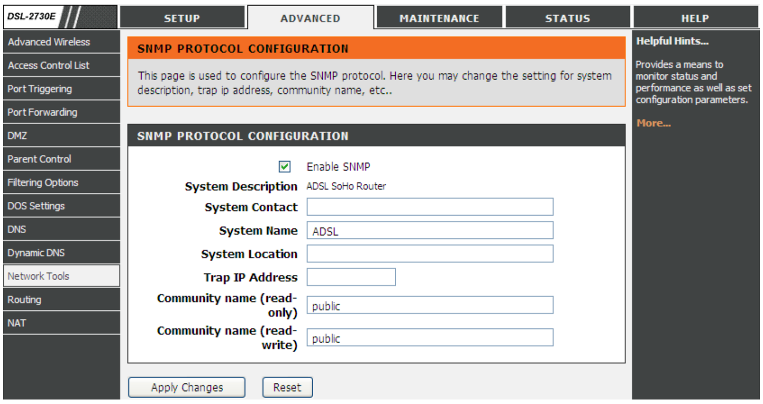
Helpful Hints...

UPnP helps other UPnP LAN hosts interoperate with the router. Leave the UPnP option enabled as long as the LAN has other UPnP applications.

3.3.11.5 SNMP

SNMP (Simple Network Management Protocol) provides a means to monitor status and performance and set configuration parameters. It enables a management station to configure, monitor and receive trap messages from network devices.

Choose **Advanced** > **Network Tools** > **SNMP**. The **SNMP Protocol Configuration** page shown in the following figure appears. You may change the settings for system description, trap ip address and community name.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Parent Control
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Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset
More...

SNMP PROTOCOL CONFIGURATION

This page is used to configure the SNMP protocol. Here you may change the setting for system description, trap ip address, community name, etc..

SNMP PROTOCOL CONFIGURATION

☑ Enable SNMP

System Description ADSL SoHo Router

System Contact

System Name ADSL

System Location

Trap IP Address

Community name (read-only) public

Community name (read-write) public

Helpful Hints...

Provides a means to monitor status and performance as well as set configuration parameters.

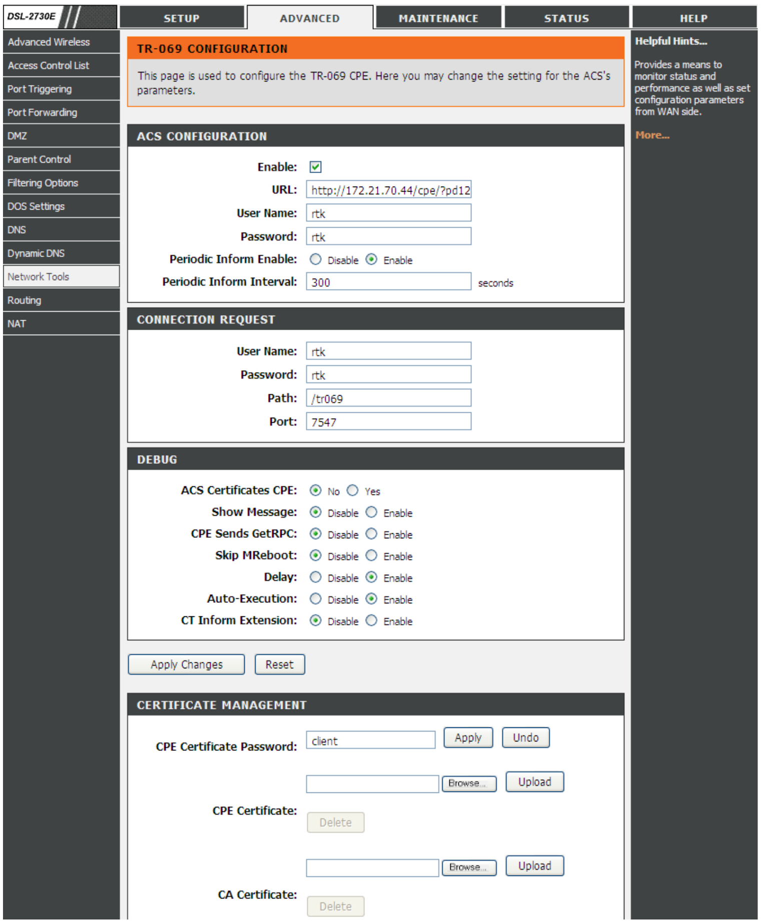
The following table describes the parameters of this page:

Field	Description
Enable SNMP	Select it to enable SNMP function. You need to enable SNMP, and then you can configure the parameters of this page.
Trap IP Address	Enter the trap IP address. The trap information is sent to the corresponding host.
Community Name (Read-only)	The network administrators must use this password to read the information of this router.
Community Name (Read-Write)	The network administrators must use this password to configure the information of the router.

3.3.11.6 TR-069

TR-069 is a WAN management protocol. It is a bidirectional SOAP/HTTP based protocol providing the communication between the ADSL router and an Auto Configuration Server (ACS) to monitor status and performance and to set configuration parameters from WAN side.

Choose **Advanced** > **Network Tools** > **TR-069**. The **TR-069 Configuration** page shown in the following figure appears. You may change change the setting for the ACS's parameters.


DSL-2730E
SETUP
ADVANCED
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Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset
Apply
Undo
Browse...
Upload
Delete
Browse...
Upload
Delete
More...

TR-069 CONFIGURATION

This page is used to configure the TR-069 CPE. Here you may change the setting for the ACS's parameters.

ACS CONFIGURATION

Enable: ☑

URL: http://172.21.70.44/cpe/?pd12

User Name: rtk

Password: rtk

Periodic Inform Enable: ○ Disable ● Enable

Periodic Inform Interval: 300 seconds

CONNECTION REQUEST

User Name: rtk

Password: rtk

Path: /tr069

Port: 7547

DEBUG

ACS Certificates CPE: ● No ○ Yes

Show Message: ● Disable ○ Enable

CPE Sends GetRPC: ● Disable ○ Enable

Skip MReboot: ● Disable ○ Enable

Delay: ○ Disable ● Enable

Auto-Execution: ○ Disable ● Enable

CT Inform Extension: ● Disable ○ Enable

CERTIFICATE MANAGEMENT

CPE Certificate Password: client

CPE Certificate:

CA Certificate:

Helpful Hints...

Provides a means to monitor status and performance as well as set configuration parameters from WAN side.

The following table describes the parameters of this page:

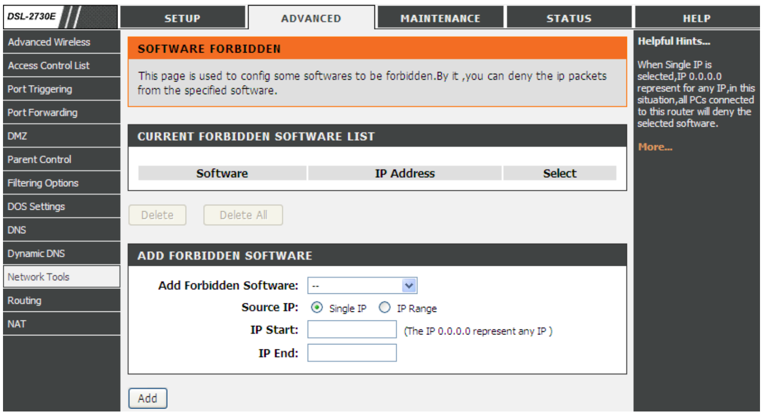
Field	Description
ACS Configuration	
URL	The URL of the auto-configuration server to connect to.
User Name	The user name for logging in to the ACS.

Field	Description
Password	The password for logging in to the ACS.
Periodic Inform Enable	Select **Enable** to periodically connect to the ACS to check configuration updates.
Periodic Inform Interval	Specify the amount of time between connections to ACS.
Connection Request	
User Name	The connection username provided by TR-069 service.
Password	The connection password provided by TR-069 service.
Debug	
Show Message	Select **Enable** to display ACS SOAP messages on the serial console.
CPE sends GetRPC	Select **Enable**, the router contacts the ACS to obtain configuration updates.
Skip MReboot	Specify whether to send an MReboot event code in the inform message.
Delay	Specify whether to start the TR-069 program after a short delay.
Auto-Execution	Specify whether to automatically start the TR-069 after the router is powered on.
CT Inform Extension	Specify support China Telecom extension inform type or not.
Certificate Management	
CPE Certificate Password	The certificate password of the router.
CPE Certificate	Enter the CPE Certificate file. Click it to browse and upload the certificate for the router.
CA Certificate	Click it to browse and upload the CA certificate for the router.

3.3.11.7 Software Forbidden

Choose **Advanced** > **Network Tools** > **Software Forbidden**. The **Software Forbidden** page shown in the following figure appears. You may config some software to be forbidden to deny the ip packets of it.

To forbid one specified PC (or some PCs) from using an application, select the application you want to prohibit, and input a single IP address or IP addresses in range. When Single IP is selected, IP 0.0.0.0 represent for any IP. In this situation,all PCs connected to this router will deny the selected software.


DSL-2730E
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ADVANCED
MAINTENANCE
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Advanced Wireless
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Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
SOFTWARE FORBIDDEN
CURRENT FORBIDDEN SOFTWARE LIST
Delete
Delete All
ADD FORBIDDEN SOFTWARE
Add
Helpful Hints...
More...

This page is used to config some softwares to be forbidden.By it ,you can deny the ip packets from the specified software.

Software	IP Address	Select

Add Forbidden Software: --

Source IP: ● Single IP ○ IP Range

IP Start: (The IP 0.0.0.0 represent any IP)

IP End:

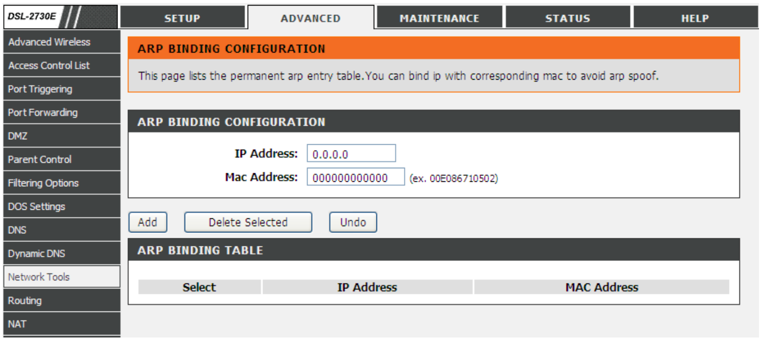
When Single IP is selected,IP 0.0.0.0 represent for any IP,in this situation,all PCs connected to this router will deny the selected software.

The following table describes the parameters and buttons of this page:

Field	Description
Current Forbidden Software List	A list of currently forbidden applications for accessing the network.
Add Forbidden Software	Select an application to be forbidden from accessing the network.

3.3.11.8 ARP Binding

This function realizes the binding of IP addresses and MAC addresses to avoid ARP address cheats. Choose **Advanced** > **Network Tools** > **ARP Binding**. The **ARP Binding Configuration** page shown in the following figure appears.


DSL-2730E
SETUP
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Advanced Wireless
Access Control List
Port Triggering
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DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add
Delete Selected
Undo

ARP BINDING CONFIGURATION

This page lists the permanent arp entry table.You can bind ip with corresponding mac to avoid arp spoof.

ARP BINDING CONFIGURATION

IP Address: 0.0.0.0

Mac Address: 000000000000 (ex. 00E086710502)

ARP BINDING TABLE

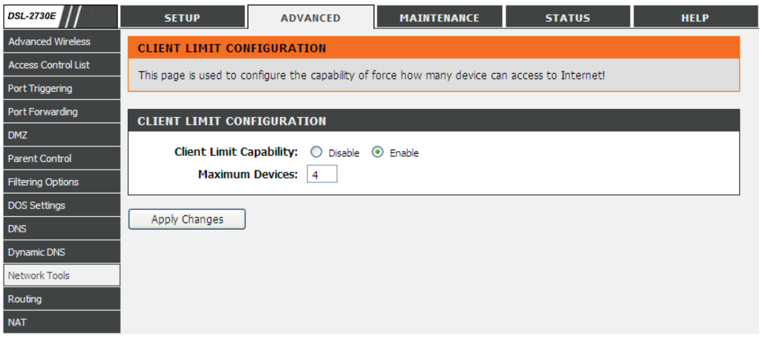
Select	IP Address	MAC Address

The following table describes the parameters and buttons of this page:

Field	Description
IP Address	An IP address to be bound.
Mac Address	An MAC address to be bound.
Add	Click this icon to add an ARP binding.
Delete Selected	Delete a selected setting from the lsit.
Undo	Reconfigure the above setting.
ARP Binding Table	A list of all the current ARP binding settings.

3.3.11.9 Client Limit

Choose **Advanced** > **Network Tools** > **Client Limit**. The **Client Limit Configuration** page shown in the following figure appears. You may configure the capability of forcing how many devices can access to the Internet.


DSL-2730E
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DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes

CLIENT LIMIT CONFIGURATION

This page is used to configure the capabilty of force how many device can access to Internet!

CLIENT LIMIT CONFIGURATION

Client Limit Capability: ○ Disable ● Enable

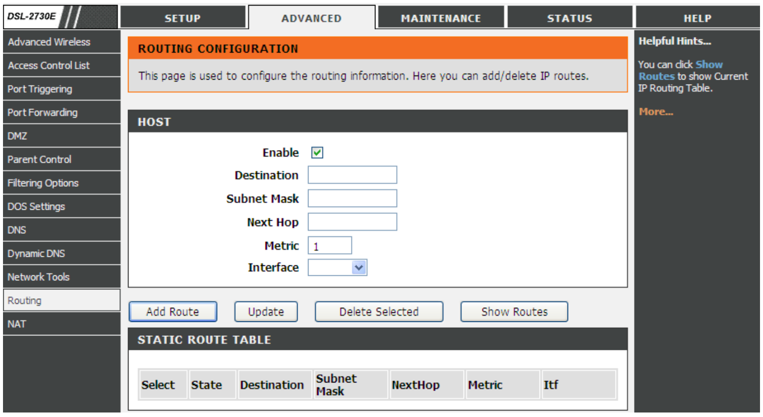
Maximum Devices: 4

3.3.12 Routing

Under this menu, static route, default gateway and RIP type routing configurations can be performed.

3.3.12.1 Static Route

Choose **Advanced** > **Routing** > **Static Route**. The **Routing Configuration** page shown in the following figure appears. This page is used to configure the routing information. You may add or delete IP routes.


DSL-2730E
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Parent Control
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DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add Route
Update
Delete Selected
Show Routes
More...

ROUTING CONFIGURATION

This page is used to configure the routing information. Here you can add/delete IP routes.

Helpful Hints...

You can click Show Routes to show Current IP Routing Table.

HOST

Enable ☑

Destination

Subnet Mask

Next Hop

Metric 1

Interface

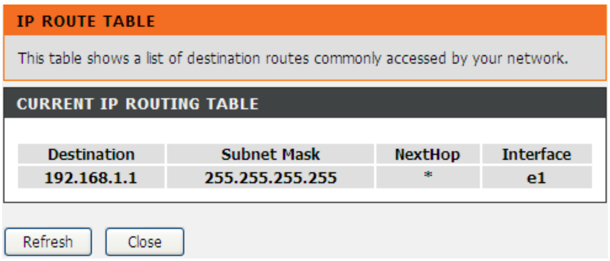
STATIC ROUTE TABLE

Select	State	Destination	Subnet Mask	NextHop	Metric	Itf

The following table describes the parameters and buttons of this page:

Field	Description
Enable	Select it to use static IP routes.
Destination	Enter the IP address of the destination device.
Subnet Mask	Enter the subnet mask of the destination device.
Next Hop	Enter the IP address of the next hop in the IP route to the destination device.
Metric	The metric cost for the destination.
Interface	The interface for the specified route.
Add Route	Click it to add the new static route to the **Static Route Table**.
Update	Select a row in the **Static Route Table** and modify the parameters. Then click it to save the settings temporarily.
Delete Selected	Select a row in the **Static Route Table** and click it to delete the row.
Show Routes	Click it, the **IP Route Table** appears. You can view a list of destination routes commonly accessed by your network.
Static Route Table	A list of the previously configured static IP routes.

Click **Show Routes**, the page shown in the following figure appears. The table shows a list of destination routes commonly accessed by your network.



IP ROUTE TABLE

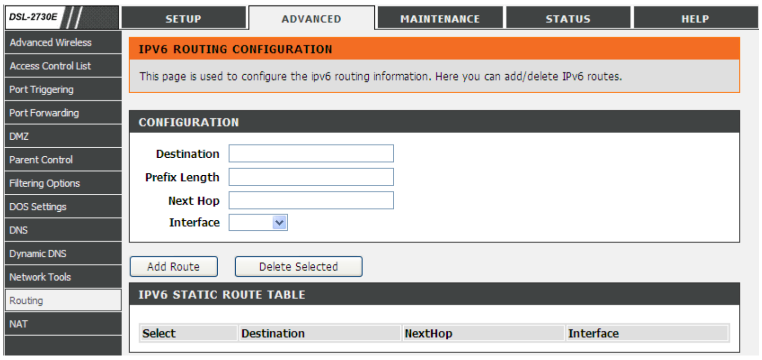
This table shows a list of destination routes commonly accessed by your network.

CURRENT IP ROUTING TABLE

Destination	Subnet Mask	NextHop	Interface
192.168.1.1	255.255.255.255	*	e1

3.3.12.2 IPv6 Static Route

Choose **Advanced** > **Routing** > **IPv6 Static Route**. The **IPv6 Routing Configuration** page shown in the following figure appears. This page is used to configure the routing information. You can add or delete IP routes.


DSL-2730E
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Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
IPV6 ROUTING CONFIGURATION
CONFIGURATION
Destination
Prefix Length
Next Hop
Interface
Add Route
Delete Selected
IPV6 STATIC ROUTE TABLE
Select
Destination
NextHop
Interface

This page is used to configure the ipv6 routing information. Here you can add/delete IPv6 routes.

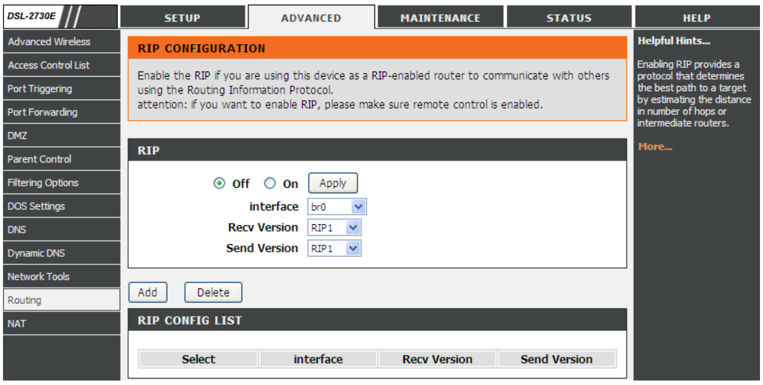
The following table describes the parameters and buttons of this page.

Field	Description
Destination	Enter the IPv6 address of the destination device.
Prefix Length	Enter the prefix length of the IPv6 address.
Next Hop	Enter the IP address of the next hop in the IPv6 route to the destination address.
Interface	The interface for the specified route.
Add Route	Click it to add the new static route to the **IPv6 Static Route Table**.
Delete Selected	Select a row in the **IPv6 Static Route Table** and click it to delete the row.

3.3.12.3 RIP

Enable this function if you are using this device as a RIP-enabled router to communicate with others using Routing Information Protocol (RIP). This page is used to select the interfaces on your devices that use RIP, and the version of the protocol used.

Choose **Advanced** > **Routing** > **IPv6 Static Route**. The **IPv6 Routing Configuration** page shown in the following figure appears.


DSL-2730E
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NAT
Apply
Add
Delete
More...

RIP CONFIGURATION

Enable the RIP if you are using this device as a RIP-enabled router to communicate with others using the Routing Information Protocol.
attention: if you want to enable RIP, please make sure remote control is enabled.

RIP

● Off ○ On

interface: br0

Recv Version: RIP1

Send Version: RIP1

RIP CONFIG LIST

Select	interface	Recv Version	Send Version

Helpful Hints...

Enabling RIP provides a protocol that determines the best path to a target by estimating the distance in number of hops or intermediate routers.

The following table describes the parameters and buttons of this page:

Field	Description
RIP	Select **Enable**, the router communicates with other RIP-enabled devices.
Apply	Click it to save the settings of this page.
Interface	Choose the router interface that uses RIP.
Receive Version	Choose the interface version that receives RIP messages. You can choose **RIP1**, **RIP2**, or **Both**. ● Choose **RIP1** indicates the router receives RIP v1 messages. ● Choose **RIP2** indicates the router receives RIP v2 messages. ● Choose **Both** indicates the router receives RIP v1 and RIP v2 messages.
Send Version	The working mode for sending RIP messages. You can choose **RIP1** or **RIP2**. ● Choose **RIP1** indicates the router broadcasts RIP1 messages only. ● Choose **RIP2** indicates the router multicasts RIP2 messages only.

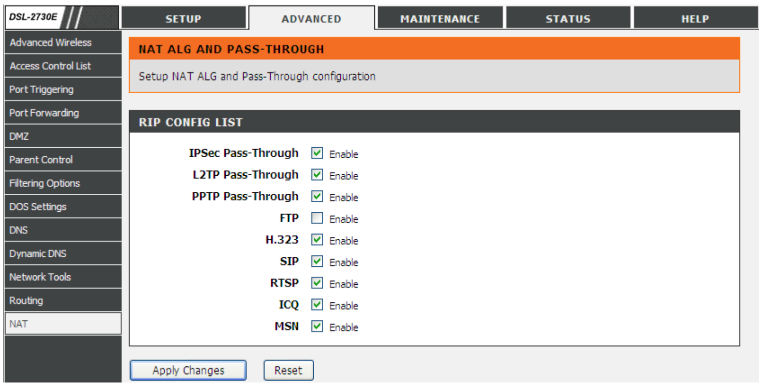
Field	Description
Add	Click it to add the RIP interface to the **Rip Config List**.
Delete	Select a row in the **Rip Config List** and click it to delete the row.

3.3.13 NAT

Under this menu, NAT ALG (Application Layer Gateway), NAT Exclude IP, NAT Forwarding, FTP ALG Config and NAT IP Mapping can be performed.

3.3.13.1 NAT ALG

Choose **Advanced** > **NAT** > **NAT ALG**. The **NAT ALG and Pass-Through** page shown in the following figure appears. Choose the NAT ALG and Pass-Through options, and then click **Apply Changes**.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset

NAT ALG AND PASS-THROUGH

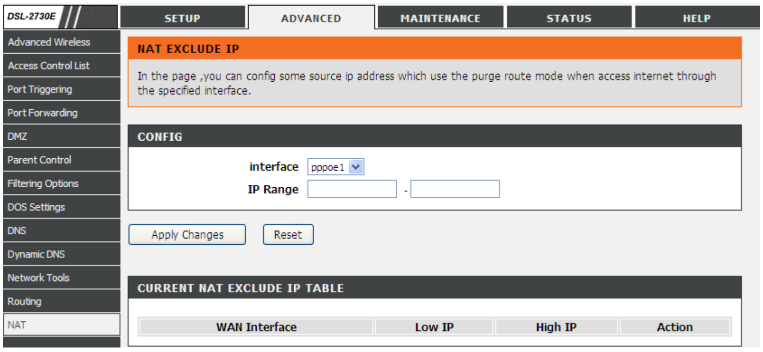
Setup NAT ALG and Pass-Through configuration

RIP CONFIG LIST

IPSec Pass-Through ☑ Enable
L2TP Pass-Through ☑ Enable
PPTP Pass-Through ☑ Enable
FTP ☐ Enable
H.323 ☑ Enable
SIP ☑ Enable
RTSP ☑ Enable
ICQ ☑ Enable
MSN ☑ Enable

3.3.13.2 NAT Exclude IP

Choose **Advanced** > **NAT** > **NAT Exclude IP**. The **NAT EXCLUDE IP** page shown in the following figure appears. In the page, you can configure some source IP addresses which use the purge route mode when accessing the Internet through the specified interface.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset

NAT EXCLUDE IP

In the page ,you can config some source ip address which use the purge route mode when access internet through the specified interface.

CONFIG

interface: pppoe1

IP Range: -

CURRENT NAT EXCLUDE IP TABLE

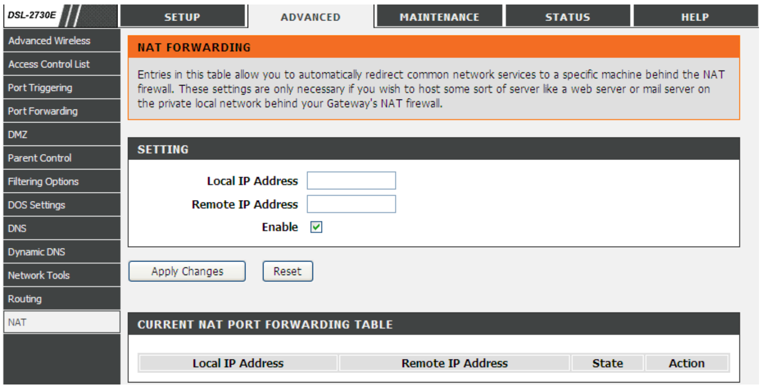
WAN Interface	Low IP	High IP	Action

3.3.13.3 NAT Forwarding

Choose **Advanced** > **NAT** > **NAT Forwarding**. The **NAT Forwarding** page shown in the following figure appears.

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

Under 1483MER or 1483Routed mode, if NAPT (Network Address Port Translation) is enabled, the **Local IP Address** is configured as 192.168.1.3 and the **Remote IP Address** is configured as 202.32.0.2, the PC with the LAN IP192.168.1.3 will use 202.32.0.2 when it is connected to the Internet via the router without NAPT control.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset

NAT FORWARDING

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

SETTING

Local IP Address
Remote IP Address
Enable ☑

CURRENT NAT PORT FORWARDING TABLE

Local IP Address	Remote IP Address	State	Action

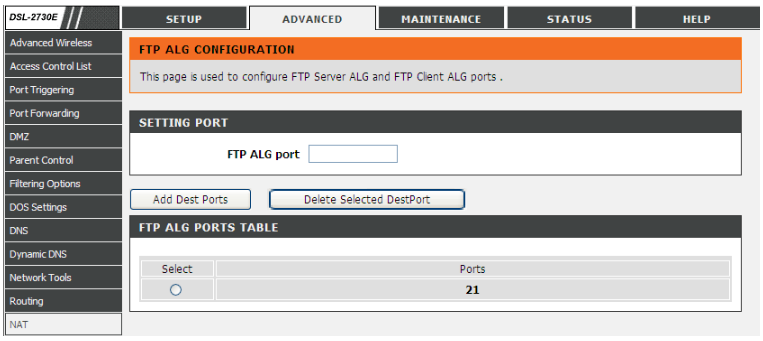
The following table describes the parameters and buttons of this page:

Field	Description
Local IP Address	Input a local IP address.
Remote IP Address	Input a remote IP address
Enable	Enable the current configured rule.
Apply Changes	Submit the configurations.
Reset	Cancel the modification and reconfigure the settings.
Current NAT Port Forwarding Table	Current configuration rule list.

3.3.13.4 FTP ALG Config

The common port for FTP connection is port 21, and a common ALG monitors the TCP port 21 to ensure NAT pass-through of FTP. By enabling this function, when the FTP server connection port is not a port 21, the FTP ALG module will be informed to monitor other TCP ports to ensure NAT pass-through of FTP.

Choose **Advanced** > **NAT** > **FTP ALG Config**. The **FTP ALG Configuration** page shown in the following figure appears.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Add Dest Ports
Delete Selected DestPort

FTP ALG CONFIGURATION

This page is used to configure FTP Server ALG and FTP Client ALG ports .

SETTING PORT

FTP ALG port

FTP ALG PORTS TABLE

Select	Ports
○	21

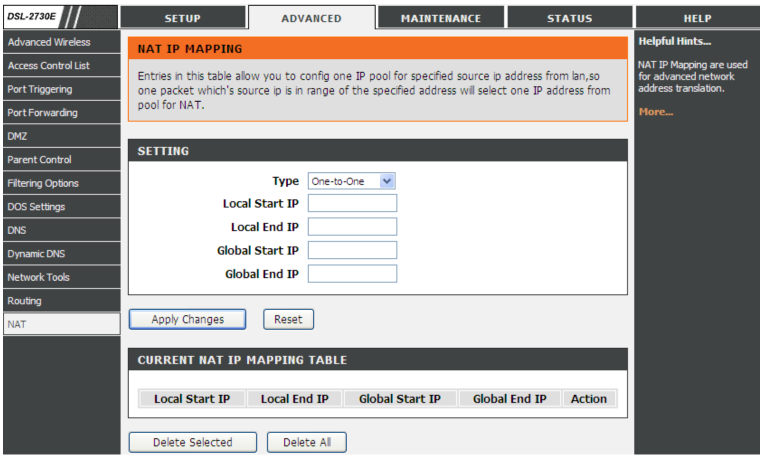
The following table describes the parameters and buttons of this page:

Field	Description
FTP ALG port	Set an FTP ALG port.
Add Dest Ports	Add a port configuration.
Delete Selected DestPort	Delete a selected port configuration from the list.

3.3.13.5 NAT IP Mapping

Choose **Advanced** > **NAT** > **NAT IP Mapping**. The **NAT IP Mapping** page shown in the following figure appears.

Entries in the **Current NAT IP Mapping Table** allow you to configure one IP pool for a specified source IP address from LAN, so one packet whose source IP is in range of the specified address will select one IP address from the pool for NAT.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parent Control
Filtering Options
DOS Settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
Apply Changes
Reset
Delete Selected
Delete All
More...

NAT IP MAPPING

Entries in this table allow you to config one IP pool for specified source ip address from lan,so one packet which's source ip is in range of the specified address will select one IP address from pool for NAT.

SETTING

Type: One-to-One
Local Start IP:
Local End IP:
Global Start IP:
Global End IP:

CURRENT NAT IP MAPPING TABLE

Local Start IP	Local End IP	Global Start IP	Global End IP	Action

Helpful Hints...

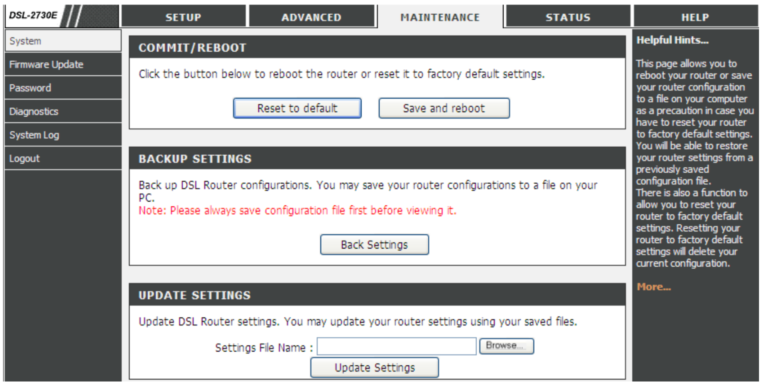
NAT IP Mapping are used for advanced network address translation.

3.4 Maintenance

3.4.1 System

Choose **Maintenance** > **System**. The page shown in the following figure appears. In this page you can reboot your router or save your router configuration to a file on your computer in case you have to reset your router to factory default settings. You can restore your router settings from a previously saved configuration file.

You may also reset your router to factory default settings. Resetting your router to factory default settings will delete your current configuration.



COMMIT/REBOOT

Click the button below to reboot the router or reset it to factory default settings.

BACKUP SETTINGS

Back up DSL Router configurations. You may save your router configurations to a file on your PC.

Note: Please always save configuration file first before viewing it.

UPDATE SETTINGS

Update DSL Router settings. You may update your router settings using your saved files.

Settings File Name :

Helpful Hints...

This page allows you to reboot your router or save your router configuration to a file on your computer as a precaution in case you have to reset your router to factory default settings. You will be able to restore your router settings from a previously saved configuration file.
There is also a function to allow you to reset your router to factory default settings. Resetting your router to factory default settings will delete your current configuration.

The following table describes the parameters and buttons of this page:

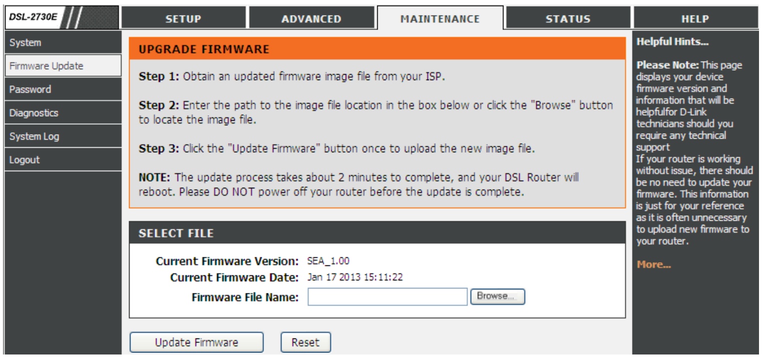
Field	Description
Reset to default	This option restores all configuration settings back to the settings that were in effect at the time the router was shipped from the factory. All settings will be lost. If you want to save your router configuration settings, use the **Backup Settings** option below.
Save and reboot	This will save all your settings and restart the router.
Back settings	Save your configurations in a file on your computer so that it may be accessed again later if your current settings are changed. Be sure to save the configuration before performing a firmware update.
Update settings	Click **Browse** to select the configuration file of device and click **Update Settings** to begin restoring the device configuration.

Note:

Do not turn off your device or press the **Reset** button while an operation in this page is in progress.

3.4.2 Firmware Update

Choose **Maintenance** > **Firmware Update**. The page shown in the following figure appears. This page displays your device firmware version and information that will be helpfulfor D-Link technicians should you require any technical support.



UPGRADE FIRMWARE

Step 1: Obtain an updated firmware 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 Firmware" button once to upload the new image file.

NOTE: The update process takes about 2 minutes to complete, and your DSL Router will reboot. Please DO NOT power off your router before the update is complete.

SELECT FILE

Current Firmware Version: SEA_1.00
Current Firmware Date: Jan 17 2013 15:11:22
Firmware File Name:

Helpful Hints...

Please Note: This page displays your device firmware version and information that will be helpfulfor D-Link technicians should you require any technical support
If your router is working without issue, there should be no need to update your firmware. This information is just for your reference as it is often unnecessary to upload new firmware to your router.

The procedure for updating the firmware is as follows.

Step 1 Click **Browse…**to search the file.

Step 2 Click **Update Firmware** to update the configuration file.

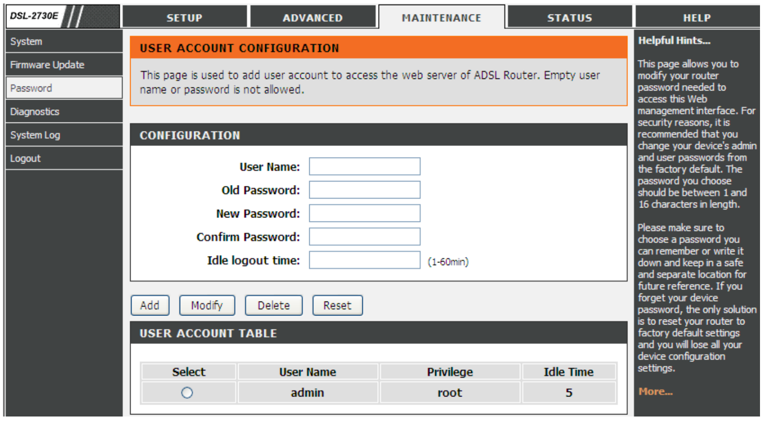
Step 3 Wait for the router to reboot. This can take another minute or more.

Note:

Some firmware updates reset the configuration options to the factory defaults. Before performing an update, be sure to save the current configuration. Refer to 3.4.1 System.

3.4.3 Password

Choose **Maintenance** > **Password**. The page shown in the following figure appears. You may modify your router password needed to access this Web management interface. For security reasons, it is recommended that you change the default admin and user passwords of the router. The password you choose should be between 1 and 16 characters in length. If you forget your device password, the only solution is to reset your router to factory default settings and you will lose all your device configuration settings.



USER ACCOUNT CONFIGURATION

This page is used to add user account to access the web server of ADSL Router. Empty user name or password is not allowed.

CONFIGURATION

User Name:
Old Password:
New Password:
Confirm Password:
Idle logout time: (1-60min)

USER ACCOUNT TABLE

Select	User Name	Privilege	Idle Time
○	admin	root	5

Helpful Hints...

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's admin and user passwords from the factory default. The password you choose should be between 1 and 16 characters in length.

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 lose all your device configuration settings.

The following table describes the parameters and buttons of this page:

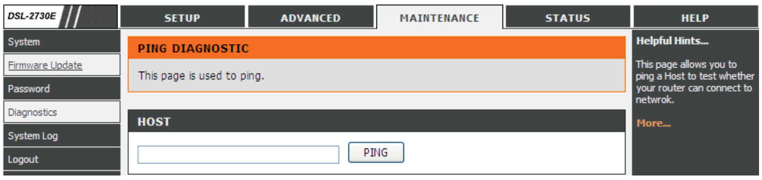
Field	Description
Root	The root account is fixed, having full access to the Web-based management interface.
User	The user account has the previlege to view configuration settings and statistics and update the router's firmware.

3.4.4 Diagnostics

Choose **Maintenance** > **Diagnostics**. The page shown in the following figure appears. Your router is capable of testing your DSL connection. If a test displays a fail status, click “Rerun Diagnostic Tests” at the bottom of this page to make sure the fail status is consistent.

3.4.4.1 Ping Diagnostic

Choose **Maintenance** > **Diagnostics** > **Ping**. The page shown in the following figure appears. This page allows you to ping a Host to test whether your router can be connected to the netwrok.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
PING DIAGNOSTIC
HOST
PING
Helpful Hints...
More...

This page is used to ping.

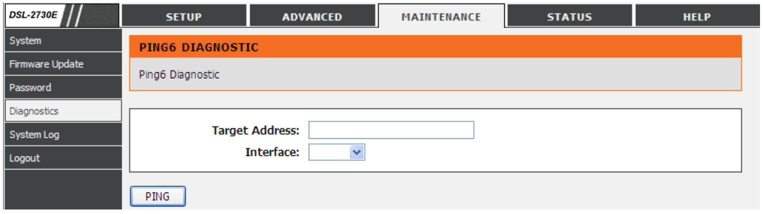
This page allows you to ping a Host to test whether your router can connect to netwrok.

The following table describes the parameter and button of this page:

Field	Description
Host	Enter the valid IP address or domain name.
Ping	Click it to start to Ping.

3.4.4.2 Ping6

Choose **Maintenance** > **Diagnostics** > **Ping6**. The page shown in the following figure appears. The target Address can be a domain or IPv6 address.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
PING6 DIAGNOSTIC
Target Address:
Interface:
PING

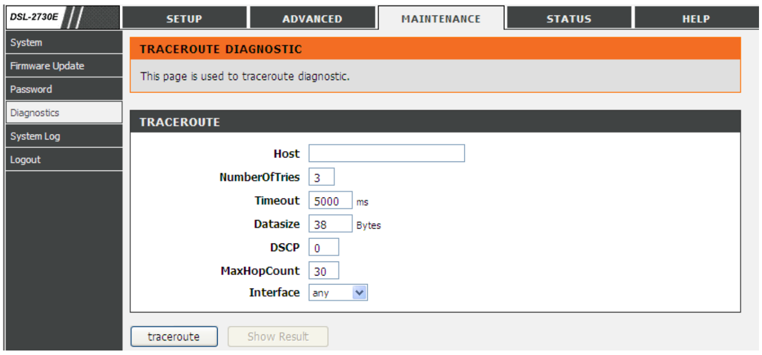
Ping6 Diagnostic

The following table describes the parameter and button of this page:

Field	Description
Target Address	Enter an IP address for Ping6 diagnosis.
Interface name	Enter an interface through which the Ping6 diagnosis is performed.

3.4.4.3 Traceroute

Choose **Maintenance** > **Diagnostics** > **Traceroute**. The page shown in the following figure appears. You can track the route path through the information which is from your computer to the other side host on the Internet.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
traceroute
Show Result

TRACEROUTE DIAGNOSTIC

This page is used to traceroute diagnostic.

TRACEROUTE

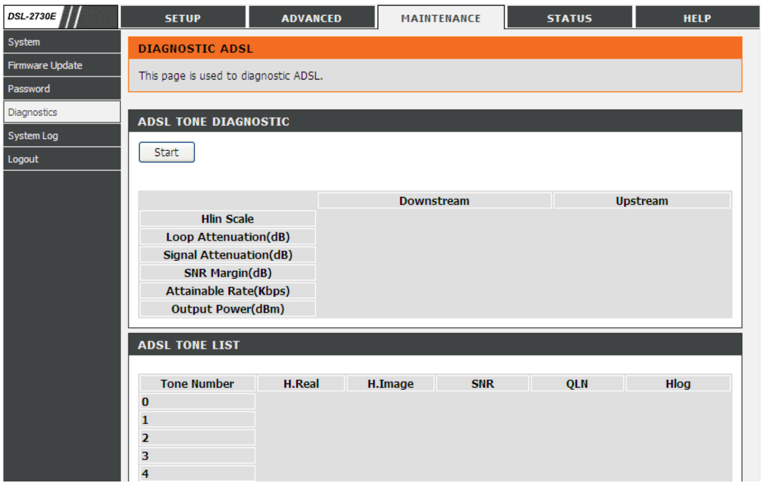
Host:
NumberOfTries: 3
Timeout: 5000 ms
Datasize: 38 Bytes
DSCP: 0
MaxHopCount: 30
Interface: any

The following table describes the parameters and buttons of this page.

Field	Description
Host	Enter the destination host address for diagnosis.
NumberOfTries	Number of repetitions.
Timeout	Put in the timeout value.
Datasize	Packet size.
DSCP	Differentiated Services Code Point, You should set a value between 0-63.
MaxHopCount	Maximum number of routes.
Interface	Select the interface.
Traceroute	Click start traceroute.

3.4.4.4 ADSL

Choose **Maintenance** > **Diagnostics** > **ADSL**. The page shown in the following figure appears. It is used for ADSL tone diagnostics.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
Start

DIAGNOSTIC ADSL

This page is used to diagnostic ADSL.

ADSL TONE DIAGNOSTIC

	Downstream	Upstream
Hlin Scale		
Loop Attenuation(dB)		
Signal Attenuation(dB)		
SNR Margin(dB)		
Attainable Rate(Kbps)		
Output Power(dBm)		

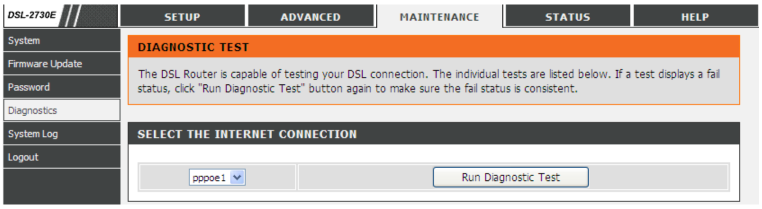
ADSL TONE LIST

Tone Number	H.Real	H.Image	SNR	QLN	Hlog
0					
1					
2					
3					
4					

Click **Start** to start ADSL tone diagnostics.

3.4.4.5 Diag Test

Choose **Maintenance** > **Diagnostics** > **Diag Test**. The page shown in the following figure appears. In this page, you can test the DSL connection. You can also view the LAN status connection and ADSL connection.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
Run Diagnostic Test

DIAGNOSTIC TEST

The DSL Router is capable of testing your DSL connection. The individual tests are listed below. If a test displays a fail status, click "Run Diagnostic Test" button again to make sure the fail status is consistent.

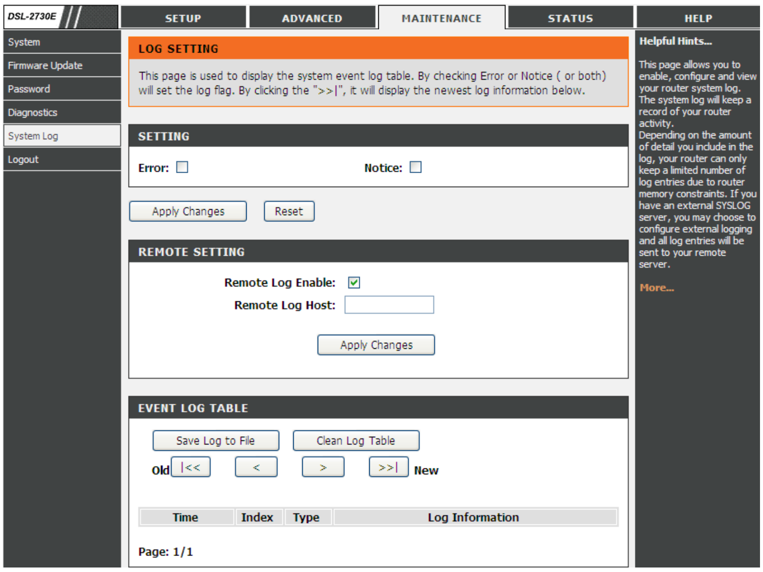
SELECT THE INTERNET CONNECTION

pppoe1

3.4.5 System Log

Choose **Maintenance** > **System Log**. The page shown in the following figure appears. This section when enabled allows the system to begin logging events based on the selected log level.

The 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.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
Apply Changes
Reset
Apply Changes
Save Log to File
Clean Log Table
Old
|<<
<
>
>>|
New
More...

LOG SETTING

This page is used to display the system event log table. By checking Error or Notice (or both) will set the log flag. By clicking the ">>|", it will display the newest log information below.

SETTING

Error: ☐

Notice: ☐

REMOTE SETTING

Remote Log Enable: ☑

Remote Log Host:

EVENT LOG TABLE

Time	Index	Type	Log Information

Page: 1/1

Helpful Hints...

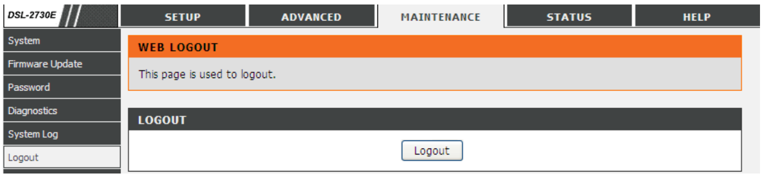
This page allows you to enable, configure and view your router system log. The system log will keep a record of your router activity.
Depending on the amount of detail you include in the log, your router can only keep a limited number of log entries due to router memory constraints. If you have an external SYSLOG server, you may choose to configure external logging and all log entries will be sent to your remote server.

The following table describes the parameters and buttons of this page.

Field	Description
Error	When the system is likely to result in a module abnormity, the system generates an Error log.
Notice	When the system is under attack or logged in, or port status changes, the system generates a Notice log.
Remote Log Host	Send system log to remote host, maybe a domain or an IP.
Save Log to File	You can save current log table to a file.

3.4.6 Logout

Choose **Maintenance** > **Logout**. The page shown in the following figure appears. In this page, you can log out of the configuration page.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
WEB LOGOUT
LOGOUT
Logout

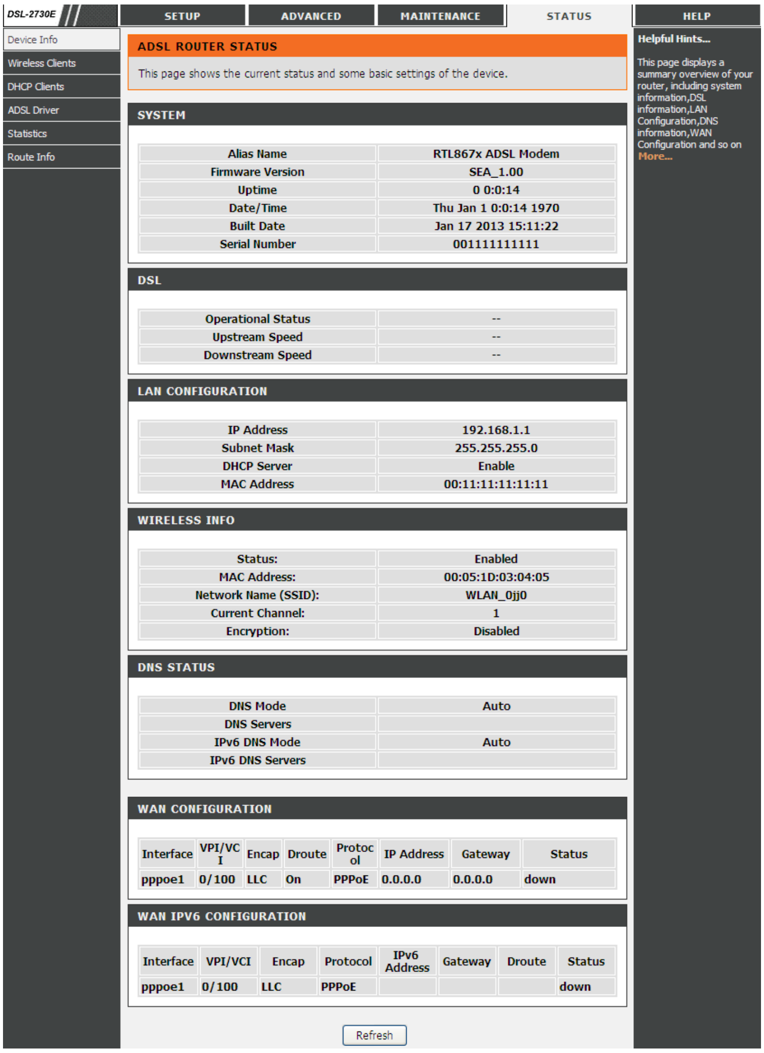
This page is used to logout.

3.5 Status

You can view the system information and monitor performance

3.5.1 Device Info

Choose **Status** > **Device Info**. The page shown in the following figure appears. This page displays a summary overview of your router, including system information, DSL information, LAN Configuration, DNS information, WAN Configuration and so on.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
More...
Refresh

ADSL ROUTER STATUS

This page shows the current status and some basic settings of the device.

SYSTEM

Alias Name	RTL867x ADSL Modem
Firmware Version	SEA_1.00
Uptime	0 0:0:14
Date/Time	Thu Jan 1 0:0:14 1970
Built Date	Jan 17 2013 15:11:22
Serial Number	001111111111

DSL

Operational Status	--
Upstream Speed	--
Downstream Speed	--

LAN CONFIGURATION

IP Address	192.168.1.1
Subnet Mask	255.255.255.0
DHCP Server	Enable
MAC Address	00:11:11:11:11:11

WIRELESS INFO

Status:	Enabled
MAC Address:	00:05:1D:03:04:05
Network Name (SSID):	WLAN_0jj0
Current Channel:	1
Encryption:	Disabled

DNS STATUS

DNS Mode	Auto
DNS Servers	
IPv6 DNS Mode	Auto
IPv6 DNS Servers	

WAN CONFIGURATION

Interface	VPI/VCI	Encap	Droute	Protocol	IP Address	Gateway	Status
pppoe1	0/100	LLC	On	PPPoE	0.0.0.0	0.0.0.0	down

WAN IPV6 CONFIGURATION

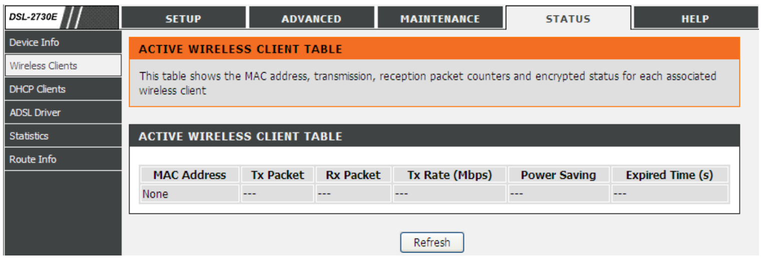
Interface	VPI/VCI	Encap	Protocol	IPv6 Address	Gateway	Droute	Status
pppoe1	0/100	LLC	PPPoE				down

Helpful Hints...

This page displays a summary overview of your router, including system information,DSL information,LAN Configuration,DNS information,WAN Configuration and so on

3.5.2 Wireless Clients

Choose **Status** > **Wireless Clients**. The page shown in the following figure appears. This table shows the MAC address, transmission, reception packet counters and encrypted status for each associated wireless client.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Refresh

ACTIVE WIRELESS CLIENT TABLE

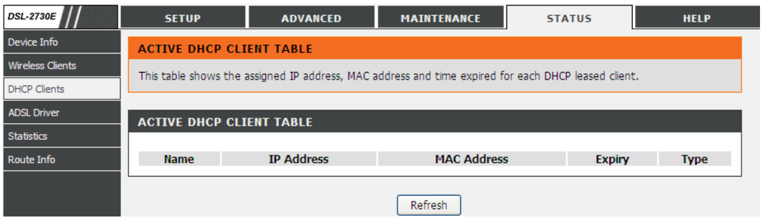
This table shows the MAC address, transmission, reception packet counters and encrypted status for each associated wireless client

ACTIVE WIRELESS CLIENT TABLE

MAC Address	Tx Packet	Rx Packet	Tx Rate (Mbps)	Power Saving	Expired Time (s)
None	---	---	---	---	---

3.5.3 DHCP Clients

Choose **Status** > **DHCP Clients**. The page shown in the following page appears. This page displays all client devices that obtain IP addresses from the device. You can view the host name, IP address, MAC address and time expired(s).


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Refresh

ACTIVE DHCP CLIENT TABLE

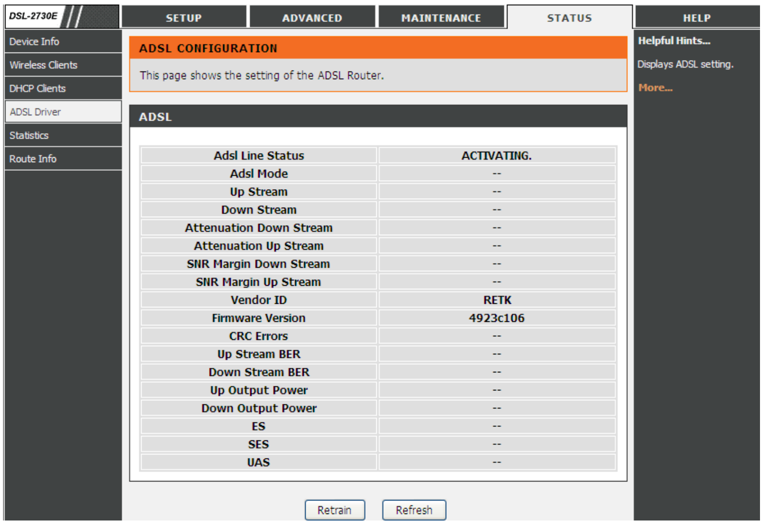
This table shows the assigned IP address, MAC address and time expired for each DHCP leased client.

ACTIVE DHCP CLIENT TABLE

Name	IP Address	MAC Address	Expiry	Type

3.5.4 ADSL Driver

Choose **Status** > **ADSL Driver**. The page shown in the following page appears. This page displays all ADSL statistics information, including link down or on, downstream and upstream, type, line coding and so on.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Retrain
Refresh

ADSL CONFIGURATION

This page shows the setting of the ADSL Router.

ADSL

Adsl Line Status	ACTIVATING.
Adsl Mode	--
Up Stream	--
Down Stream	--
Attenuation Down Stream	--
Attenuation Up Stream	--
SNR Margin Down Stream	--
SNR Margin Up Stream	--
Vendor ID	RETK
Firmware Version	4923c106
CRC Errors	--
Up Stream BER	--
Down Stream BER	--
Up Output Power	--
Down Output Power	--
ES	--
SES	--
UAS	--

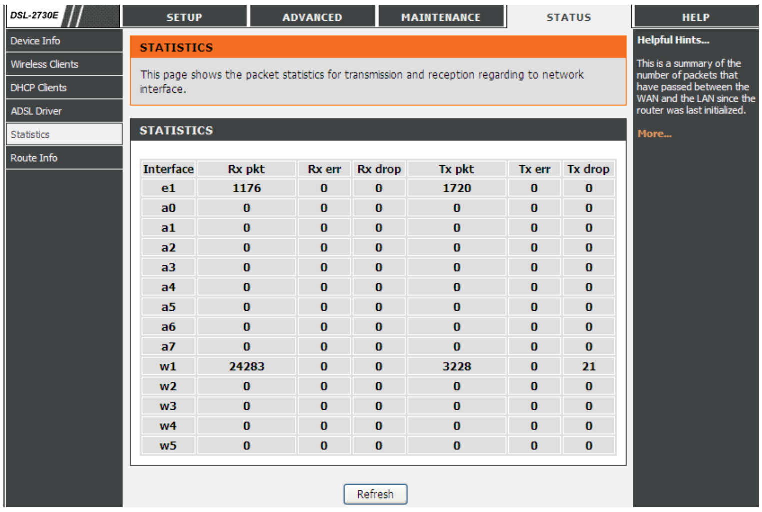
Helpful Hints...

Displays ADSL setting.

More...

3.5.5 Statistics

Choose **Status** > **Statistics**. The page shown in the following page appears. This is a summary of the number of packets that have passed between the WAN and the LAN since the router was last initialized.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Refresh
More...

STATISTICS

This page shows the packet statistics for transmission and reception regarding to network interface.

STATISTICS

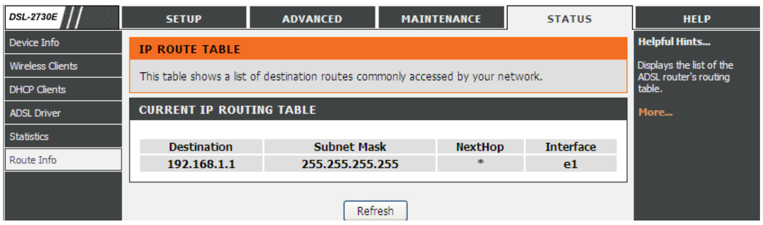
Interface	Rx pkt	Rx err	Rx drop	Tx pkt	Tx err	Tx drop
e1	1176	0	0	1720	0	0
a0	0	0	0	0	0	0
a1	0	0	0	0	0	0
a2	0	0	0	0	0	0
a3	0	0	0	0	0	0
a4	0	0	0	0	0	0
a5	0	0	0	0	0	0
a6	0	0	0	0	0	0
a7	0	0	0	0	0	0
w1	24283	0	0	3228	0	21
w2	0	0	0	0	0	0
w3	0	0	0	0	0	0
w4	0	0	0	0	0	0
w5	0	0	0	0	0	0

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.

3.5.6 Route Info

Choose **Status** > **Route Info**. The page shown in the following page appears. This table shows a list of destination routes commonly accessed by your network.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info
Refresh
More...

IP ROUTE TABLE

This table shows a list of destination routes commonly accessed by your network.

CURRENT IP ROUTING TABLE

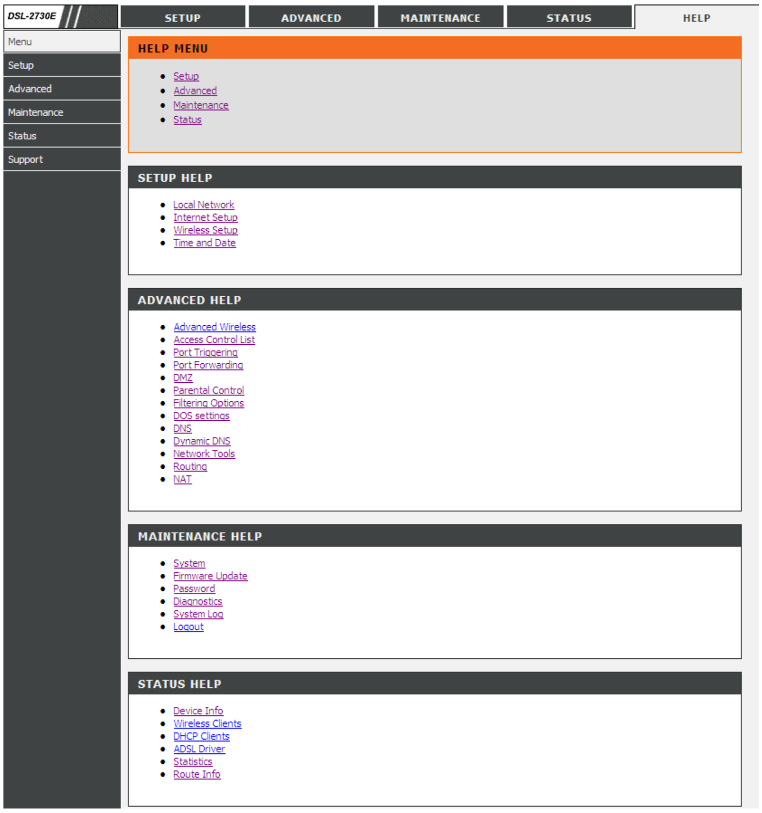
Destination	Subnet Mask	NextHop	Interface
192.168.1.1	255.255.255.255	*	e1

Helpful Hints...

Displays the list of the ADSL router's routing table.

3.6 Help

In the main interface, click **Help** tab to enter the **Help** menu as shown in the following figure. This section provides detailed configuration information for the device. Click a link to view corresponding information.


DSL-2730E
SETUP
ADVANCED
MAINTENANCE
STATUS
HELP
Menu
Setup
Advanced
Maintenance
Status
Support
HELP MENU
Setup
Advanced
Maintenance
Status
SETUP HELP
Local Network
Internet Setup
Wireless Setup
Time and Date
ADVANCED HELP
Advanced Wireless
Access Control List
Port Triggering
Port Forwarding
DMZ
Parental Control
Filtering Options
DOS settings
DNS
Dynamic DNS
Network Tools
Routing
NAT
MAINTENANCE HELP
System
Firmware Update
Password
Diagnostics
System Log
Logout
STATUS HELP
Device Info
Wireless Clients
DHCP Clients
ADSL Driver
Statistics
Route Info