

DIR-825M user manual

| | |
|--|-----------|
| 1.1 Product Description | 4 |
| 1.2 Product Features | 5 |
| 1.3 Product Specifications | 6 |
| 2.1 Hardware Description | 9 |
| 2.1.1 Front LED | 10 |
| 2.1.2 LED Indications..... | 10 |
| 2.1.3 Rear Panel | 10 |
| 3.1 System Requirements | 12 |
| 3.2 Installing the Router | 12 |
| 4.1 Manual Network Setup - TCP/IP Configuration | 13 |
| 4.1.1 Obtaining an IP Address Automatically | 13 |
| 4.1.2 Configuring the IP Address Manually..... | 16 |
| 4.2 Starting Setup in the Web UI | 19 |
| 5.1 Status | 22 |
| 5.1.1 Home page | 22 |
| 5.1.2 Wan Status | 24 |
| 5.1.3 VPN Status | 24 |
| 5.1.4 User Traffic..... | 24 |
| 5.1.5 Statistics..... | 24 |
| 5.2 Setup | 26 |
| 5.2.1 Wizard | 26 |
| 5.2.2 Operation Mode | 28 |
| 5.3 TCP/IP | 29 |
| 5.3.1 Lan Settings | 29 |
| 5.3.2 Static DHCP | 29 |
| 5.3.3 Wan Settings | 30 |
| 5.3.4 Pptp Settings..... | 32 |
| 5.3.5 L2tp Settings | 33 |
| 5.3.6 GRE Settings..... | 33 |
| 5.3.7 IPv6 Wan Settings..... | 33 |
| 5.3.8 IPv6 Lan Settings | 35 |
| 5.3.9 Tunnel(6 Over 4) | 36 |

| | |
|-----------------------------------|-----------|
| 5.3.10 Vlan Bridge | 36 |
| 5.3.11 Default Route | 36 |
| 5.3.12 Static Router | 37 |
| 5.4 WLAN5G | 38 |
| 5.4.1 Basic Settings | 38 |
| 5.4.2 Security | 39 |
| 5.4.3 Access Control | 39 |
| 5.4.4 Site Survey | 40 |
| 5.4.5 WPS | 40 |
| 5.4.6 Schedule | 41 |
| 5.5 WLAN 2.4G | 42 |
| 5.5.1 Basic Settings | 42 |
| 5.5.2 Security | 43 |
| 5.5.3 Access Control | 43 |
| 5.5.4 Site Survey | 44 |
| 5.5.5 WPS | 44 |
| 5.5.6 Schedule | 45 |
| 5.6 Easy Mesh | 46 |
| 5.6.1 General | 46 |
| 5.6.2 Topology | 46 |
| 5.7 Firewall | 46 |
| 5.7.1 Advanced | 46 |
| 5.7.2 Port Filtering | 47 |
| 5.7.3 IP Filtering | 48 |
| 5.7.4 Mac Filtering | 49 |
| 5.7.5 Port Forwarding | 49 |
| 5.7.6 URL Filtering | 50 |
| 5.7.7 Qos Settings | 50 |
| 5.8 Management | 52 |
| 5.8.1 Time Zone Settings | 52 |
| 5.8.2 DDNS | 52 |
| 5.8.3 Deny of Service | 53 |
| 5.8.4 TR069 Settings | 53 |
| 5.8.5 Log | 54 |
| 5.8.6 PASSOWRD | 55 |
| 5.8.7 Ping Diagnostic | 55 |
| 5.8.8 Traceroute Diagnostic | 56 |

| | |
|--------------------------------------|-----------|
| 5.8.9 System Settings | 56 |
| 5.8.10 Auto Reboot | 57 |
| 5.8.11 Upgrade Firmware | 57 |
| 5.8.12 Logout | 57 |

Chapter 1. Introduction

1.1 Product Description

DIR-825M Wireless Broadband Router supports IEEE 802.11b/g/n/ac standard, dual band, and Gigabit LAN and WAN, thus providing the wireless speed of 867Mbps in the 5GHz frequency band and 300Mbps in the 2.4GHz frequency band at the same time, which is 16 times faster than that of the traditional 11g access point. With its outstanding stability of high-speed wireless transmission and enhanced reliability, the DIR-825M can provide users with excellent multimedia streaming through their mobile devices anywhere, anytime in the home and office.

1.2 Product Features

- **IEEE Compliant Wireless LAN and Wired LAN**
 - Compliant with IEEE 802.11a/b/g/n/ac dual band [2.4G (300Mbps) and 5G (867Mbps)] wireless
 - Equipped with 3x 10/100/1000Mbps Fast Ethernet ports and 1x 10/100/1000Mbps WAN ethernet port which supports auto MDI/MDI-X
- **Fixed Network Broadband Router**
 - Supports WAN connection types: DHCP, static IP, PPPoE
 - Supports DDNS and DHCP Servers
- **Comprehensive Wireless Advanced Features**
 - Supports AP /client / repeater mode / easy mesh
 - Supports WMM (Wi-Fi Multimedia) and wireless QoS to enhance the efficiency of multimedia application
 - Supports multiple SSID
 - Supports TX and RX restrict
- Secure Network Connection**
 - Supports Wi-Fi Protected Setup (WPS)
 - Support WEP/WPA/WPA2/WPA3 wireless security encryption
 - Supports NAT firewall, IP / URL-based access control and MAC address filtering
- **Advanced Networking Function for Specific Application**
 - Supports Bandwidth Control (QoS) based on different local IP addresses
 - Supports NTP, Port Forwarding, UPnP and DMZ for various networking applications
- **Easy Installation and Management**
 - Web-based UI and Quick Setup Wizard for easy configuration
 - Remote Management allows configuration from a remote site
 - System status monitoring includes DHCP Client List and System Log

1.3 Product Specifications

| | | | |
|--|---|--|----------------------|
| Model | DIR-825M 1200Mbps 802.11ac Dual Band Wireless Gigabit Router | | |
| Hardware Specifications | | | |
| Interface | WAN Port: | 1 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port | |
| | LAN Port: | 3 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port (LAN1~3) | |
| Antenna | Gain: | 2x5dBi 2.4g external antenna | |
| | | 2x5dBi 5g external antenna | |
| Button | 1 x reset button 1 x wps button | | |
| LED Indicators | Red Led x 1 Green Led x 1 | | |
| Material | Plastic | | |
| Dimensions and Weight | Giftbox | 0.492KG | 260mm*248mm*45mm |
| | Carton | 11.15KG | 525mm*475mm*280mm |
| | Pallet | 236.5KG | 1000mm*1100mm*1550mm |
| Power Requirement | 12V DC, 1A | | |
| Wireless Interface Specifications | | | |
| Standard | IEEE 802.11ac 5GHz IEEE 802.11a/n 5GHz IEEE 802.11b/g/n 2.4GHz | | |
| Frequency Band | Simultaneous 2.4GHz and 5GHz | | |
| Modulation Type | 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11b: DSSS (DBPSK / DQPSK / CCK) | | |
| Data Rates | 2.4GHz up to 300Mbps 5GHz up to 867Mbps | | |
| Channel | 2.4GHz FCC (America): 2.412~2.462GHz (11 Channels) ETSI (Europe): 2.412~2.472GHz (13 Channels) | | |
| | 5GHz 5150~5250MHz 5250~5350MHz 5470~5725MHz 5725~5825MHz *The actual channels in application will vary depending on the regulation in different regions and countries. | | |
| Channel Width | 802.11ac: 20/40/80MHz 802.11n: 20/40MHz | | |
| Receive Sensitivity | 2.4GHz 11b (11Mbps): -79dBm 11g (54Mbps): -68dBm | | |

| | |
|-------------------------------------|--|
| | <p>11n (20M) mode: -67dBm 11n (40M) mode: -64dBm</p> |
| | <p>5GHz 11a: -74dBm 11n (20M) mode: -70dBm 11n (40M) mode: -67dBm 11ac (20M) mode: -67dBm 11ac (40M) mode: -61dBm 11ac (80M) mode: -57dBm</p> |
| SSID | <p>2.4GHz: 1 Root SSID and 4 Guest SSID 5GHz: 1 Root SSID and 4 Guest SSID</p> |
| Wireless Management Features | |
| Encryption Security | <p>WEP WPA/WPA2/WPA3 personal mixed mode</p> |
| Wireless Security | <p>Wireless ACL MAC address filtering Supports WPS (Wi-Fi Protected Setup)</p> |
| Max. Supported Clients | <p>2.4GHz wireless: 32 5GHz wireless: 32</p> |
| Wireless Extender | Supports repeater |
| Router Features | |
| Internet Connection Type | <p>Shares data and Internet access for users, supporting the following Internet accesses:</p> <ul style="list-style-type: none"> ■ ETH Router mode <ul style="list-style-type: none"> ->DHCP ->Static IP ->PPPoE |
| Firewall | <p>NAT firewall, SPI firewall Built-in NAT server which supports Port Forwarding and DMZ Built-in firewall with URL filtering, and MAC address filtering</p> |
| LAN | <p>Built-in DHCP server supporting static IP address distribution Supports packet statistics</p> |
| System Management | <p>Web-based (HTTP) management interface Remote management (WAN Access Control) Supports UPnP, DDNS SNTP synchronization System log</p> |
| Standards Conformance | |

| | |
|--------------------------------------|---|
| IEEE Standards | IEEE 802.11n (2T2R, up to 300Mbps) IEEE 802.11g IEEE 802.11b IEEE 802.11i IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX |
| Other Protocols and Standards | TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP |
| Environment | |
| Temperature | Operating: 0 ~ 40 degrees C Storage: -10 ~ 70 degrees C |
| Humidity | Operating: 10 ~ 90% (non-condensing) Storage: 10 ~ 90% (non-condensing) |

Chapter 2. Hardware Installation

2.1 Hardware Description

- **Dimensions:** 225*145*185 mm (W *D * H)
- **Diagram :**





2.1.1 Front LED

The front LED provides a simple interface monitoring the router. Next Figure shows the front LED of the DIR-825M.

Front LED

2.1.2 LED Indications

The LEDs on the front panel indicate instant status of port links, include red led and green led, help monitor and troubleshoot when needed.

| LED | STATE | FUNCTION |
|-----------|---|------------------------------------|
| Red led | On | Device power on |
| | Flash | Upgrade fw |
| | Off | Device power off or Greed led on |
| Green led | On | Internet connection is established |
| | | Wifi client is connected |
| | | Mesh is connected |
| | Flash | WPS is triggered |
| Off | Internet connection is not established. | |

2.1.3 Rear Panel

The rear panel provides the physical connectors connected to the power adapter and any other network device.

Rear Panel

| Interface | Description |
|-----------|--|
| DC IN | Connect to the power adapter provided in the package |
| Reset | Press it more than 2 seconds will restores to the factory default settings |
| WPS | Press it will enable WPS functiонт |
| WAN | Connect to the Cable/xDSL Modem or the Ethernet |
| LAN1-3 | Connect to the user's PC or network devices |

Chapter 3. Connecting to the Router

3.1 System Requirements

- Broadband Internet Access Service (Cable/xDSL/Ethernet connection)
- One Cable/xDSL Modem that has an RJ45 connector (not necessary if the Router is connected directly to the Ethernet.)
- PCs with a working Ethernet Adapter and an Ethernet cable with RJ45 connectors
- PC subscribers use Windows XP, Windows Vista, Windows 7/8/10, MAC OS 9 or later, or Linux, UNIX or other platforms compatible with **TCP/IP** protocols
- The above PC is installed with a Web browser



1. The Router in the following instructions means DIR-825M.
2. It is recommended to use Internet Explorer 7.0 or above to access the Router.

3.2 Installing the Router

Before installing the Router, make sure your PC is connected to the Internet through the broadband service successfully at this moment. If there is any problem, please contact your local ISP. After that, please install the Router according to the following steps. Don't forget to pull out the power plug and keep your hands dry.

Step 1. Power off your PC, Cable/xDSL Modem and the Router.

Step 2. Locate an optimum location for the Router. The best place is usually at the center of your wireless network.

Step 3. Connect the PC or Switch/Hub in your LAN to the LAN Ports of the Router with Ethernet cable.

Step 4. Connect the power adapter to the power socket on the Router, and the other end into an electrical outlet. Then power on the Router.

Step 5. Power on your PC and Cable/xDSL Modem.

Chapter 4. Quick Installation Guide

This chapter will show you how to configure the basic functions of your Wireless Router using **Quick Setup** within minutes.

4.1 Manual Network Setup - TCP/IP Configuration

The default IP address of the Wireless Router is **192.168.0.1** and the default Subnet Mask is **255.255.255.0**. These values can be changed as you desire in the web UI of the Wireless Router. In this section, we use all the default values for description.

Whether the Wireless Router is configured via wired or wireless connection, the PC needs to be assigned an IP address first. Before you connect the local PC to the Wireless Router via wired or wireless connection, please configure the IP address for your PC in the following two ways first.

- **Obtaining an IP address automatically**
- **Configuring the IP address manually**

In the following sections, we'll introduce how to install and configure the TCP/IP correctly in **Windows 7**. And the procedures in other operating systems are similar. First, make sure your Ethernet Adapter is working, and refer to the Ethernet adapter's manual if needed.

4.1.1 Obtaining an IP Address Automatically

Summary:

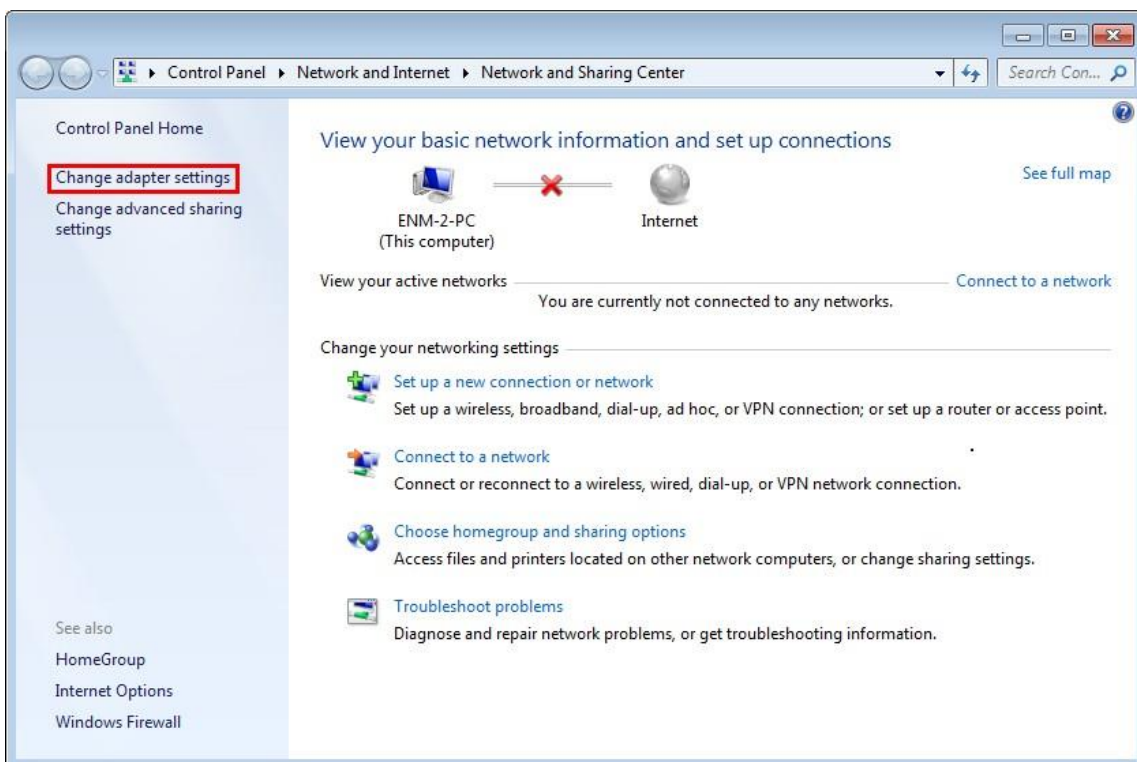
1. Set up the TCP/IP Protocol in "**Obtain an IP address automatically**" mode on your PC.
2. Then the Wireless Router built-in DHCP server will assign IP address to the PC automatically.

If you are sure the DHCP server of Wireless Router is enabled, you can set up the TCP/IP Protocol in "**Obtain an IP address automatically**" mode on your PC. And then the Wireless Router built-in DHCP server will assign an IP address to the PC automatically.

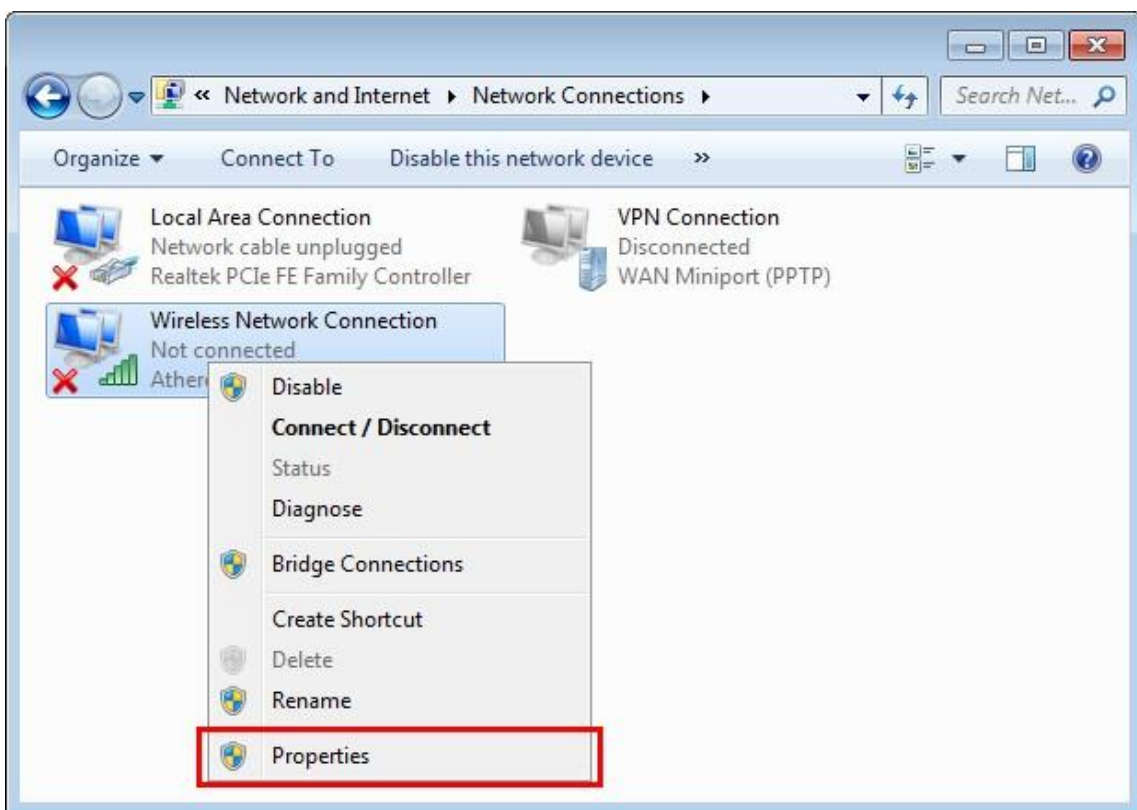
1. Installing TCP/IP Component

- 1) On the Windows taskbar, click the **Start** button, point to **Control Panel**, and then click it.

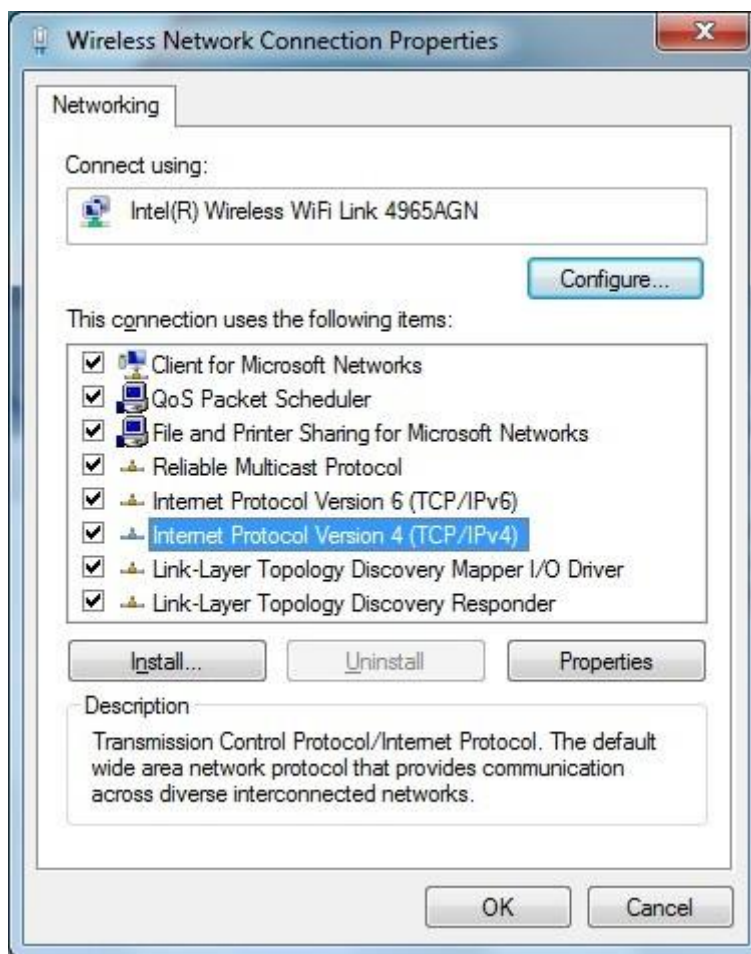
2) Under the **Network and Internet** icon, click on the **View network status and tasks**. And then click **Change adapter settings**.



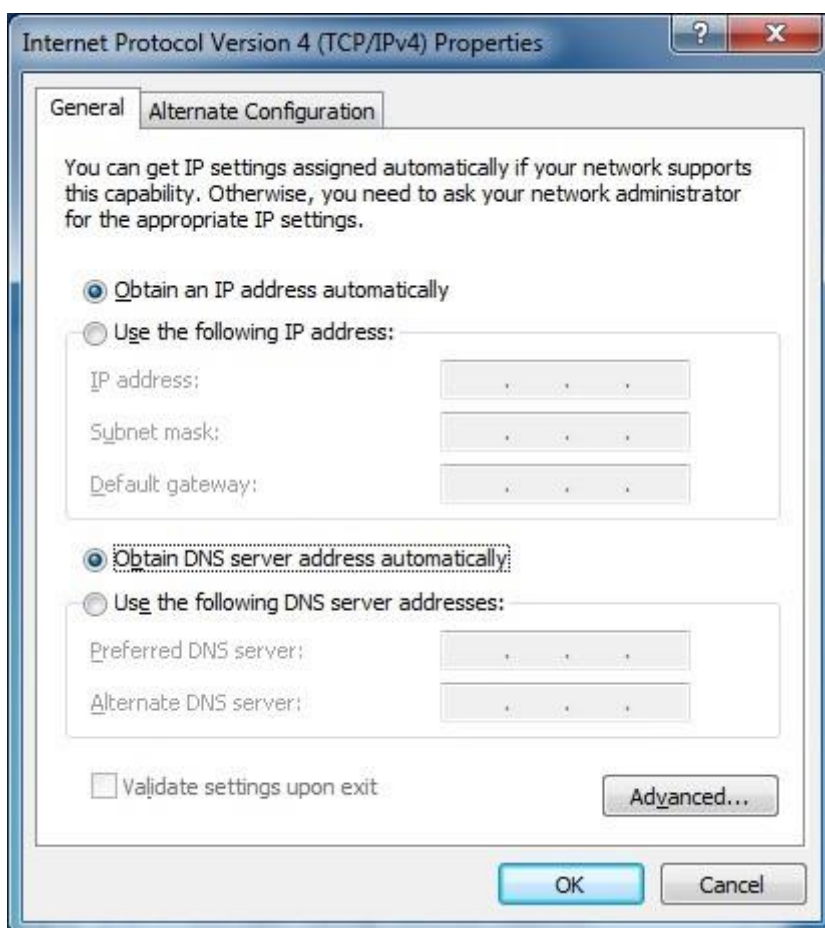
3) Right-click on the **Wireless Network Connection**, and select **Properties** in the appearing window.



- 4) In the prompt window shown below, double-click on the **Internet Protocol Version 4(TCP/IPv4)**.



- 5) Choose **Obtain an IP address automatically**, and **Obtain DNS server address automatically** as shown in the figure below. Then click **OK** to save your settings.



4.1.2 Configuring the IP Address Manually

Summary:

- Set up the TCP/IP Protocol for your PC.
- Configure the network parameters. The IP address is **192.168.0.xxx** ("xxx" is any number from 2 to 254), Subnet Mask is **255.255.255.0**, and Gateway is **192.168.0.1**(The Router's default IP address)

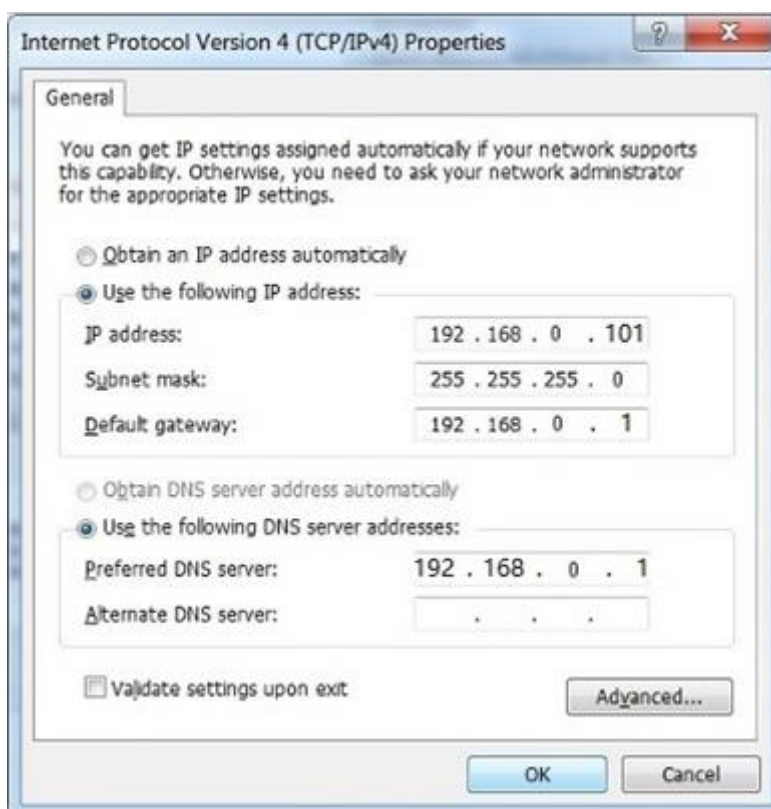
If you are sure the DHCP server of Wireless Router is disabled, you can configure the IP address manually. The IP address of your PC should be 192.168.0.xxx (the same subnet of the IP address of the Wireless Router, and "xxx" is any number from 2 to 254), Subnet Mask is 255.255.255.0, and the Gateway is 192.168.0.1(The default IP address of the Wireless Router)

1) Continue the settings from the last figure. Select **Use the following IP address** radiobutton.

2) If the LAN IP address of the Wireless Router is 192.168.0.1, enter IP address 192.168.0.x (x is from 2 to 254), and Subnet mask 255.255.255.0

3) Enter the LAN IP address of the Wireless Router (the default IP is 192.168.0.1) into the default gateway field.

4) Select **Use the following DNS server addresses** radio button. In the preferred DNS Server field, you can enter the DNS server IP address provided by your local ISP. Then click OK to save your settings.



Now, you can run the Ping command in the **command prompt** to verify the network connection between your PC and the Router. Open a command prompt, and type ping **192.168.0.1**, and then press **Enter**.

- If the result displayed is similar to next figure, it means the connection between your PC and the Router has been established well.

```
C:\Users\lenovo>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64
Reply from 192.168.0.1: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\lenovo>
```

- If the result displayed is similar to next figure, it means the connection between your PC and the Router has failed.

```
C:\Users\lenovo>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

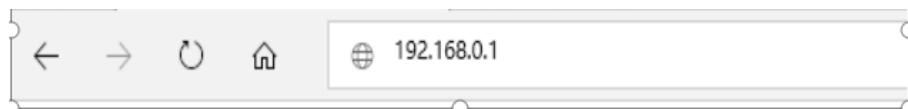
C:\Users\lenovo>
```

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.

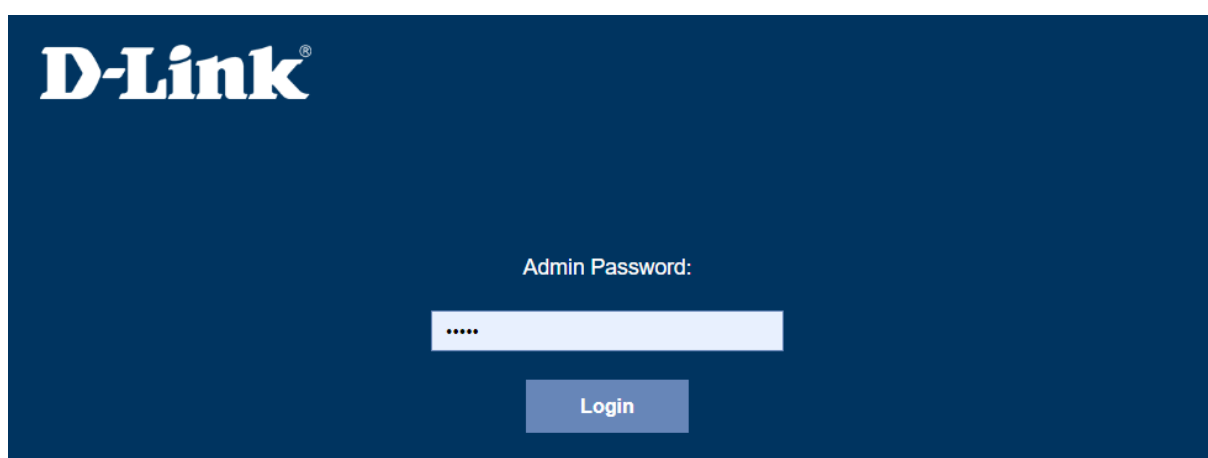
4.2 Starting Setup in the Web UI

It is easy to configure and manage the DIR-825M with the web browser.

Step 1. To access the configuration utility, open a web-browser and enter the default IP address <http://192.168.0.1> in the web address field of the browser.



After a moment, a login window will appear. Enter **admin** for the User Name and Password, both in lower case letters. Then click the **Log In** button or press the **Enter** key.



The first time login router, it will enter wizard setup, the **Wizard Setup** page screen appears as the figure below.

Setup Wizard

The setup wizard will guide you to configure Router for first time. Please follow the setup wizard step by step.

Welcome to Setup Wizard.

The Wizard will guide you the through following steps. Begin by clicking on Next.

Next>>

Step 2. Choose "**Next**" and you can configure the router Operation Mode by yourself.

Step 1: Operation Mode

- Gateway: In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.
- Bridge/AP: In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.
- Wireless ISP: In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP Router. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You can connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

Cancel

<<Back

Next>>

Step 3. Choose “Next” and you can configure the WAN Interface Setup.

Step 2: WAN Interface Setup

WAN Access Type: Dynamic IP

Clone MAC Address: 000000000000

Clone MAC

Enable VLAN:

VLAN ID: 500 (0-4095)

Cancel

<<Back

Next>>

Step 4. Choose “Next” and you can configure the LAN Interface Setup.

Step 3: LAN Interface Setup

IP Address: 192.168.0.1

Subnet Mask: 255.255.255.0

Cancel

<<Back

Next>>

Step 5. Choose “Next” and you can configure login password.

Step 4: Set admin account

New Password:

Confirmed Password:

Step 6. Choose “**Next**” and you can configure the Wi-Fi Interface Setup.

Step 5: Setup Wireless

2.4GHz

Enable Wireless:

SSID:

Password:

5GHz


Enable Wireless:

SSID:

Password:

Chapter 5. Configuring the Router

This chapter delivers a detailed presentation of router's functions and features under 4 main menus shown below, allowing you to manage the router with ease.

| DIR-825M HW:B1 FW:V1.1.2 | Status | Setup | Network | Wireless | EasyMesh | Features | Management |
|--|-----------------|--------------------|----------------------|----------|----------|----------|------------|
| Status | | | | | | | |
| WAN Status | | | | | | | |
| VPN Status | | | | | | | |
| User Traffic | | | | | | | |
| Statistics | | | | | | | |
|  | | | | | | | |
| <h2>Internet</h2> | | | | | | | |
| IPv4 | | | | | | | |
| IPv6 | | | | | | | |
| MAC Address | Connection Type | Network Status | Connection Uptime | | | | |
| a0:9f:7a:19:28:45 | | Disconnected | | | | | |
| IP Address | Default Gateway | Primary DNS Server | Secondary DNS Server | | | | |
| Not Available | Not Available | Not Available | Not Available | | | | |

5.1 Status

5.1.1 Home page

| DIR-825M HW:B1 FW:V1.1.2 | Status | Setup | Network | Wireless | EasyMesh | Features | Management | | | | | | | | | | | | | | | | | | | | |
|--|---------------------|--------------------|----------------------|----------|----------|----------|------------|-------------|-----------------|----------------|-------------------|-------------------|--|--------------|--|------------|-----------------|--------------------|----------------------|---------------|---------------|---------------|---------------|--------------------|---------------------|---------------------------|---------------|
| Status | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internet | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>IPv4</p> <table border="1"> <tr><td>MAC Address</td><td>Connection Type</td><td>Network Status</td><td>Connection Uptime</td></tr> <tr><td>a0:9f:7a:19:28:45</td><td></td><td>Disconnected</td><td></td></tr> <tr><td>IP Address</td><td>Default Gateway</td><td>Primary DNS Server</td><td>Secondary DNS Server</td></tr> <tr><td>Not Available</td><td>Not Available</td><td>Not Available</td><td>Not Available</td></tr> </table> </div> <div style="text-align: center;"> <p>IPv6</p> <table border="1"> <tr><td>Link-Local Address</td><td>Router IPv6 Address</td></tr> <tr><td>fe80::a29f:7aff:fe19:2844</td><td>Not Available</td></tr> </table> </div> </div> | | | | | | | | MAC Address | Connection Type | Network Status | Connection Uptime | a0:9f:7a:19:28:45 | | Disconnected | | IP Address | Default Gateway | Primary DNS Server | Secondary DNS Server | Not Available | Not Available | Not Available | Not Available | Link-Local Address | Router IPv6 Address | fe80::a29f:7aff:fe19:2844 | Not Available |
| MAC Address | Connection Type | Network Status | Connection Uptime | | | | | | | | | | | | | | | | | | | | | | | | |
| a0:9f:7a:19:28:45 | | Disconnected | | | | | | | | | | | | | | | | | | | | | | | | | |
| IP Address | Default Gateway | Primary DNS Server | Secondary DNS Server | | | | | | | | | | | | | | | | | | | | | | | | |
| Not Available | Not Available | Not Available | Not Available | | | | | | | | | | | | | | | | | | | | | | | | |
| Link-Local Address | Router IPv6 Address | | | | | | | | | | | | | | | | | | | | | | | | | | |
| fe80::a29f:7aff:fe19:2844 | Not Available | | | | | | | | | | | | | | | | | | | | | | | | | | |

| DIR-825M HW:B1 FW:V1.1.2 | Status | Setup | Network | Wireless | EasyMesh | Features | Management | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------|----------------------|---------------------------|----------|----------|----------|------------|--------------|--|--------------|--|--------------|-------------------|---------------------|---------------------------|--------------------|------------------------------|----------------------|-----------------|--------------|-----------------|-------------|-----------------|--------|-------------------|--------|-------------------|-----------------|----|-----------------|----|
| Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DIR-825M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <tr> <th colspan="2">IPv4 Network</th> <th colspan="2">IPv6 Network</th> </tr> <tr> <td>MAC Address:</td><td>a0:9f:7a:19:28:44</td> <td>Link-Local Address:</td><td>fe80::a29f:7aff:fe19:2844</td> </tr> <tr> <td>Router IP Address:</td><td>192.168.0.1</td> <td>Router IPv6 Address:</td><td>Not Available</td> </tr> <tr> <td>Subnet Mask:</td><td>255.255.255.0</td> <td></td><td></td> </tr> </table> | | | | | | | | IPv4 Network | | IPv6 Network | | MAC Address: | a0:9f:7a:19:28:44 | Link-Local Address: | fe80::a29f:7aff:fe19:2844 | Router IP Address: | 192.168.0.1 | Router IPv6 Address: | Not Available | Subnet Mask: | 255.255.255.0 | | | | | | | | | | |
| IPv4 Network | | IPv6 Network | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAC Address: | a0:9f:7a:19:28:44 | Link-Local Address: | fe80::a29f:7aff:fe19:2844 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Router IP Address: | 192.168.0.1 | Router IPv6 Address: | Not Available | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subnet Mask: | 255.255.255.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <tr> <th colspan="2">System</th> <th colspan="2">CPU</th> </tr> <tr> <td>Uptime:</td><td>0 Day 0:58:33</td> <td>CPU Usage:</td><td>1.00%</td> </tr> <tr> <td>Build Time:</td><td>Thu Feb 24 15:43:39 HKT 2022</td> <td>Memory (Free/Total):</td><td>14768/46544</td> </tr> </table> | | | | | | | | System | | CPU | | Uptime: | 0 Day 0:58:33 | CPU Usage: | 1.00% | Build Time: | Thu Feb 24 15:43:39 HKT 2022 | Memory (Free/Total): | 14768/46544 | | | | | | | | | | | | |
| System | | CPU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uptime: | 0 Day 0:58:33 | CPU Usage: | 1.00% | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Build Time: | Thu Feb 24 15:43:39 HKT 2022 | Memory (Free/Total): | 14768/46544 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%;"> <tr> <th colspan="2">Wi-Fi 2.4GHz</th> <th colspan="2">Wi-Fi 5GHz</th> </tr> <tr> <td>Status:</td><td>Up</td> <td>Status:</td><td>Up</td> </tr> <tr> <td>Wi-Fi Name (SSID):</td><td>dlink-2844</td> <td>Wi-Fi Name (SSID):</td><td>dlink-2844-5GHz</td> </tr> <tr> <td>Encryption:</td><td>WPA2-WPA3-Mixed</td> <td>Encryption:</td><td>WPA2-WPA3-Mixed</td> </tr> <tr> <td>BSSID:</td><td>a0:9f:7a:d9:28:44</td> <td>BSSID:</td><td>a0:9f:7a:59:28:44</td> </tr> <tr> <td>Channel Number:</td><td>11</td> <td>Channel Number:</td><td>40</td> </tr> </table> | | | | | | | | Wi-Fi 2.4GHz | | Wi-Fi 5GHz | | Status: | Up | Status: | Up | Wi-Fi Name (SSID): | dlink-2844 | Wi-Fi Name (SSID): | dlink-2844-5GHz | Encryption: | WPA2-WPA3-Mixed | Encryption: | WPA2-WPA3-Mixed | BSSID: | a0:9f:7a:d9:28:44 | BSSID: | a0:9f:7a:59:28:44 | Channel Number: | 11 | Channel Number: | 40 |
| Wi-Fi 2.4GHz | | Wi-Fi 5GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status: | Up | Status: | Up | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wi-Fi Name (SSID): | dlink-2844 | Wi-Fi Name (SSID): | dlink-2844-5GHz | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Encryption: | WPA2-WPA3-Mixed | Encryption: | WPA2-WPA3-Mixed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BSSID: | a0:9f:7a:d9:28:44 | BSSID: | a0:9f:7a:59:28:44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Channel Number: | 11 | Channel Number: | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| DIR-825M HW:B1 FW:V1.1.2 | Status | Setup | Network | Wireless | EasyMesh | Features | Management | | | | | | |
|--|-------------|-------------------|---------|----------|----------|----------|------------|----------|------------|-------------|--|-------------|-------------------|
| <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 20%;"> <p>Status</p> <p>WAN Status</p> <p>VPN Status</p> <p>User Traffic</p> <p>Statistics</p> </div> <div style="width: 60%; text-align: center;"> <p>Internet DIR-825M Connected Clients: 1</p> </div> </div> | | | | | | | | | | | | | |
| Connected Clients | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Hostname</th> <th style="width: 33%;">IP Address</th> <th style="width: 33%;">MAC Address</th> </tr> </thead> <tbody> <tr> <td></td> <td>192.168.0.2</td> <td>00:2b:67:e9:5a:ca</td> </tr> </tbody> </table> | | | | | | | | Hostname | IP Address | MAC Address | | 192.168.0.2 | 00:2b:67:e9:5a:ca |
| Hostname | IP Address | MAC Address | | | | | | | | | | | |
| | 192.168.0.2 | 00:2b:67:e9:5a:ca | | | | | | | | | | | |

5.1.2 Wan Status

This page shows the IP addresses and host names of all the PCs in your network

| Status | <p>This page shows the status information for all wan.</p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Connect name</th> <th>Enable</th> <th>Type</th> <th>Vlan ID</th> <th>Status</th> <th>IP Address</th> <th>Gateway</th> <th>DNS</th> </tr> </thead> <tbody> <tr> <td>WAN1</td> <td>Enabled</td> <td>dhcp</td> <td>---</td> <td>Disconnected</td> <td></td> <td></td> <td></td> </tr> <tr> <td>WAN2</td> <td>Disabled</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WAN3</td> <td>Disabled</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WAN4</td> <td>Disabled</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Connect name | Enable | Type | Vlan ID | Status | IP Address | Gateway | DNS | WAN1 | Enabled | dhcp | --- | Disconnected | | | | WAN2 | Disabled | | | | | | | WAN3 | Disabled | | | | | | | WAN4 | Disabled | | | | | | |
|--------------|--|--------------|--------|---------|--------------|------------|------------|---------|-----|------|---------|------|-----|--------------|--|--|--|------|----------|--|--|--|--|--|--|------|----------|--|--|--|--|--|--|------|----------|--|--|--|--|--|--|
| Connect name | | Enable | Type | Vlan ID | Status | IP Address | Gateway | DNS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN1 | | Enabled | dhcp | --- | Disconnected | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN2 | | Disabled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN3 | | Disabled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN4 | | Disabled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WAN Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VPN Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| User Traffic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Statistics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

5.1.3 VPN Status

| Status | <p>This page shows the status information for PPTP and L2TP.</p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Connect name</th> <th>Enable</th> <th>Server IP Address</th> <th>Local IP Address</th> <th>Remote IP Address</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>PPTP</td> <td>Disabled</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>L2TP</td> <td>Disabled</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Connect name | Enable | Server IP Address | Local IP Address | Remote IP Address | Status | PPTP | Disabled | | | | | L2TP | Disabled | | | | |
|--------------|---|--------------|-------------------|-------------------|-------------------|-------------------|--------|------|----------|--|--|--|--|------|----------|--|--|--|--|
| Connect name | | Enable | Server IP Address | Local IP Address | Remote IP Address | Status | | | | | | | | | | | | | |
| PPTP | | Disabled | | | | | | | | | | | | | | | | | |
| L2TP | | Disabled | | | | | | | | | | | | | | | | | |
| WAN Status | | | | | | | | | | | | | | | | | | | |
| VPN Status | | | | | | | | | | | | | | | | | | | |
| User Traffic | | | | | | | | | | | | | | | | | | | |
| Statistics | | | | | | | | | | | | | | | | | | | |

5.1.4 User Traffic

| Status | <p>This Page will show each user's total traffic statistics.</p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>IP Addr</th> <th>Total Down</th> <th>Total Up</th> </tr> </thead> <tbody> <tr> <td>192.168.0.2</td> <td>0 Bytes</td> <td>0 Bytes</td> </tr> </tbody> </table> | IP Addr | Total Down | Total Up | 192.168.0.2 | 0 Bytes | 0 Bytes |
|--------------|--|------------|------------|----------|-------------|---------|---------|
| IP Addr | | Total Down | Total Up | | | | |
| 192.168.0.2 | | 0 Bytes | 0 Bytes | | | | |
| WAN Status | | | | | | | |
| VPN Status | | | | | | | |
| User Traffic | | | | | | | |
| Statistics | | | | | | | |

5.1.5 Statistics

| |
|--------------|
| Status |
| WAN Status |
| VPN Status |
| User Traffic |
| Statistics |

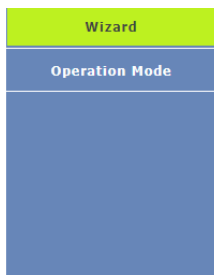
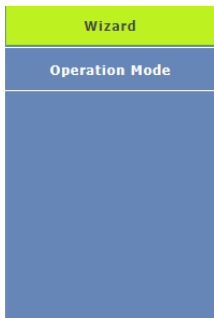
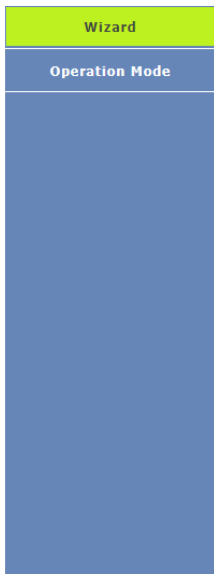
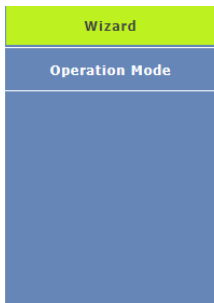
This page shows the packet counters for transmission and reception regarding to wireless and Ethernet networks.

| | | |
|-----------------------|-----------------------|------------|
| Wireless 1 LAN | <i>Sent Bytes</i> | 1015133 |
| | <i>Received Bytes</i> | 1018956085 |
| Wireless 2 LAN | <i>Sent Bytes</i> | 866302 |
| | <i>Received Bytes</i> | 121861497 |
| Ethernet LAN | <i>Sent Bytes</i> | 6199603 |
| | <i>Received Bytes</i> | 672395 |
| WAN | <i>Sent Bytes</i> | 0 |
| | <i>Received Bytes</i> | 0 |

Refresh

5.2 Setup

5.2.1 Wizard



Setup Wizard

The setup wizard will guide you to configure Router for first time. Please follow the setup wizard step by step.

Welcome to Setup Wizard.

The Wizard will guide you the through following steps. Begin by clicking on Next.

Next>>

Step 1: Operation Mode

Gateway: In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

Bridge/AP: In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.

Wireless ISP: In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP Router. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You can connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

Cancel

<<Back

Next>>

Step 2: WAN Interface Setup

WAN Access Type:

Clone MAC Address:

Clone MAC

Enable VLAN:

Cancel

<<Back

Next>>

Step 3: LAN Interface Setup

IP Address:

Subnet Mask:

Cancel

<<Back

Next>>

Wizard

Operation Mode

Step 4: Set admin account

New Password:

Confirmed Password:

Cancel <<Back Next>>

Wizard

Operation Mode

Step 5: Setup Wireless

2.4GHz

Enable Wireless:

SSID:

Password:

5GHz

Enable Wireless:

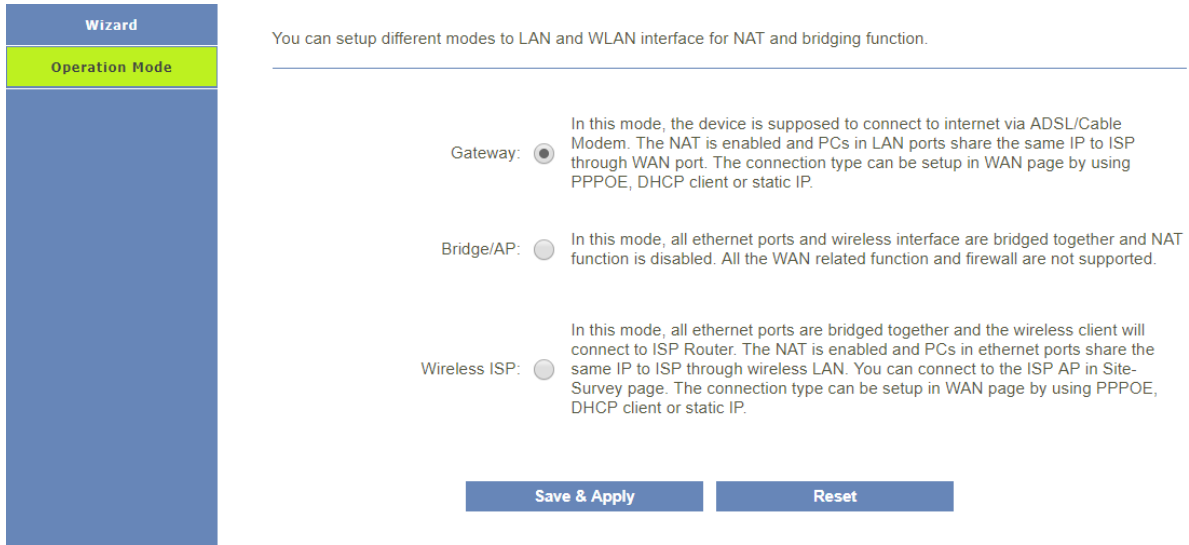
SSID:

Password:

Cancel <<Back Finished >>

5.2.2 Operation Mode

You can setup different modes to LAN and WLAN interface for NAT and bridging function.



Wizard

Operation Mode

You can setup different modes to LAN and WLAN interface for NAT and bridging function.

Gateway: In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

Bridge/AP: In this mode, all ethernet ports and wireless interface are bridged together and NAT function is disabled. All the WAN related function and firewall are not supported.

Wireless ISP: In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP Router. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You can connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.

Save & Apply Reset

5.3 TCP/IP

5.3.1 Lan Settings

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP address, subnet, DHCP, etc.

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |
| |

You can config the parameters for local area network which connects to the LAN port of your Router. Here you may change the setting for IP addresss, subnet mask, DHCP, etc.

IP Address:

Subnet Mask:

Default Gateway:

WORK MODE:

DHCP Client Range: -

Lease Time: (1 ~ 10080 minutes)

DNS:

Static DHCP:

Domain Name:

802.1d Spanning Tree:

| Object | Description |
|-----------------------------|---|
| LAN IP Address | Router's LAN IP. The default is 192.168.0.1 . You can change it according to your needs. |
| Subnet Mask | Router's LAN subnet mask. |
| WORK MODE | If it is selected, the router serves as the DHCP server and automatically assigns IP addresses to all computers in the LAN. |
| DHCP Client Range | Enter the start and end IP address of all the available successive IPs. |
| Lease Time | Select the time for using one assigned IP from the dropdown list. After the lease time, the AP automatically assigns new IP addresses to all connected computers. |
| Static DHCP | This page allows you reserve IP addresses, and assign the same IP address to the network device with the specified MAC address any time it requests an IP address. This is almost the same as when a device has a static IP address except that the device must still request an IP address from the DHCP server. |
| Domain Name | Set the domain name of the Router. |
| 802.1d Spanning Tree | Enable or disable spanning tree function. |

5.3.2 Static DHCP

If user want to reserve specific IP for some device, you can bind the mac and the IP in this page.

| |
|--------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

This page allows you reserve IP addresses, and assign the same IP address to the network device with the specified MAC address any time it requests an IP address. This is almost the same as when a device has a static IP address except that the device must still request an IP address from the DHCP server.

Enable Static DHCP:

IP Address:

MAC Address:

Comment:

Save & Apply **Reset**

Static DHCP List

| IP Address | MAC Address | Comment | Select |
|--|-------------|---------|--------|
| <p>Delete Selected Delete All Reset</p> | | | |

5.3.3 Wan Settings

On this page, you can configure the parameters of the WAN interface.

| |
|--------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

Connect name:

Enable:

WAN Access Type:

MTU: (1280-1500 bytes)

Option 43:

Clone MAC Address: **Clone MAC**

Enable VLAN:

Save & Apply

There are four wan connection can be use, each wan connection can be configured as difference mode, such as DHCP router mode, PPPoE router mode, Static router mode, and each wan connection can be configured to have VLAN tag, this will more helpful for user to meet different environment usage.

DHCP

Choose "DHCP" and the router will automatically obtain IP addresses, subnet masks and gateway addresses from your ISP.

| |
|--------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

Connect name:

Enable:

WAN Access Type:

MTU: (1280-1500 bytes)

Option 43:

Clone MAC Address: **Clone MAC**

Enable VLAN:

Save & Apply

| Object | Description |
|--------|-------------|
|--------|-------------|

| | |
|------------------|--|
| MTU | You can keep the maximum transmission unit (MTU) as default. |
| VLAN ID | Enter the VLAN ID value provided by your ISP. |
| WAN Type | From this feature, user can distinguish different services. |
| Option 43 | CPE get the acs url via Option 43 |

PPPoE

Select PPPoE, if your ISP is using a PPPoE connection and provide you with PPPoE user name and password information.

- LAN Setting
- WAN Setting
- PPTP Setting
- L2TP Setting
- GRE Setting
- IPv6 Wan Setting
- IPv6 Lan Setting
- Tunnel (6 over 4)
- VLAN Bridge
- Default Route
- Static Route

You can config the parameters for Internet network which connects to the WAN port of your Router. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

Connect name:

Enable:

WAN Access Type:

User Name:

Password:

Service Name:

MTU: (1360-1492 bytes)

Connection Type:

Clone MAC Address:

Enable VLAN:

| Object | Description |
|------------------------|--|
| Username | Enter the User Name provided by your ISP. |
| Password | Enter the password provided by your ISP. |
| VLAN ID | Enter the VLAN ID value provided by your ISP. |
| WAN Type | From this feature, user can distinguish different services. |
| Service Name | Type the name of this router. |
| MTU | You can keep the maximum transmission unit (MTU) as default. |
| Connection Type | Select "Continuous", "Connect on Demand" or "Manual". |

Static

If your ISP offers you static IP Internet connection type, select "Static IP " and then enter IP address, subnet mask, primary DNS and secondary DNS information provided by your ISP in the corresponding fields.

| |
|--------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

Connect name:

Enable:

WAN Access Type:

IP Address:

Subnet Mask:

Default Gateway:

MTU: (1400-1500 bytes)

DNS 1:

DNS 2:

Clone MAC Address:

Enable VLAN:

| Object | Description |
|------------------------|---|
| IP Address | Enter the WAN IP address provided by your ISP. Inquire your ISP if you are not clear. |
| Subnet Mask | Enter WAN Subnet Mask provided by your ISP. |
| Default Gateway | Enter the WAN Gateway address provided by your ISP. |
| DNS 1 | Enter the necessary DNS address provided by your ISP. |
| DNS 2 | Enter the other DNS address if your ISP provides you with 2 such addresses, and it is optional. |
| MTU | You can keep the maximum transmission unit (MTU) as default. |
| VLAN ID | Enter the VLAN ID value provided by your ISP. |
| WAN Type | From this feature, user can distinguish different services. |

5.3.4 Pptp Settings

This page is used to configure the parameters for Internet network which connects to the PPTP server.

| |
|---------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the PPTP server.

Enable:

Server:

Username:

Password:

MTU: (1360-1492 bytes)

MPPE:

MPPC:

| Object | Description |
|---------------|-------------------------------|
| Server | Type the name of PPTP Server. |

| | |
|-----------------|--|
| Username | Enter the user name provided by your ISP. |
| Password | Enter the password provided by your ISP. |
| MTU | You can keep the maximum transmission unit (MTU) as default. |

5.3.5 L2tp Settings

This page is used to configure the parameters for Internet network which connects to the L2TPv2 server.

| |
|---------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the L2TPv2 server.

Enable:

Server:

Username:

Password:

MTU: (1360-1492 bytes)

Save & Apply

| Object | Description |
|-----------------|--|
| Server | Type the name of L2TP Server. |
| Username | Enter the user name provided by your ISP. |
| Password | Enter the password provided by your ISP. |
| MTU | You can keep the maximum transmission unit (MTU) as default. |

5.3.6 GRE Settings

| |
|--------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the GRE.

Enable:

Local Host Address: (0.0.0.0 is autoconfig)

Remote Host Address: (10.10.10.10)

Tunnel Address: (172.10.12.1)

Remote Tunnel Address: (172.10.13.1)

NAT:

Save & Apply

Reset

GRE Table

| Local Host | Remote Host | Tunnel | Remote Tunnel | NAT Status | Status | Select |
|---|-------------|--------|---------------|------------|--------|--------|
| <p>Delete Selected Delete All Reset</p> | | | | | | |

5.3.7 IPv6 Wan Settings

You can config IPv6 in this page. It's support 3 kinds of IPv6 origin types.

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router.

Enable IPv6:
 Origin Type:
 Address Mode:
 DUID: 00030001a09f7a192845
 PD Enable:
 Enable wan dslite:
 Enable MLD Proxy:

| Object | Description |
|---------------------|---|
| Origin Type | Current origin type AUTO. |
| Address Mode | WAN IPv6 address mode, including stateless and stateful address mode. |
| PD Enable | WAN IPv6 prefix delegation. |
| Rapid-commit Enable | Rapid commit switch. |
| DNS | WAN IPv6 DNS. |

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router.

Enable IPv6:
 Origin Type:
 IP Address:
 Default Gateway:
 DNS:
 Enable wan dslite:
 Enable MLD Proxy:

| Object | Description |
|------------------|-----------------------------|
| Origin Type | Current origin type STATIC. |
| IP Address | WAN IPv6 address. |
| Default Gateway | WAN IPv6 default gateway. |
| DNS | WAN IPv6 DNS. |
| Enable MLD Proxy | Enable or disable MLD. |

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can config the parameters for Internet network which connects to the WAN port of your Router.

Enable IPv6:

Origin Type: 6RD

6RD IPv6 Prefix: 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 / 0

WAN IPv4 Address: Get from DHCP / 0

6RD Border Relay IPv4 Address: 0.0.0.0

DNS: 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 / 0

Enable MLD Proxy:

Save & Apply Reset

| Object | Description |
|-------------------------------|----------------------------|
| Origin Type | Current origin type 6RD. |
| 6RD IPv6 Prefix | WAN IPv6 prefix delegation |
| WAN IPv4 Address | WAN IPv4 address. |
| 6RD Border Relay IPv4 Address | Border Relay IPv4 Address. |
| DNS | WAN IPv6 DNS. |
| Enable MLD Proxy | Enable or disable MLD. |

5.3.8 IPv6 Lan Settings

This page shows the information of IPv6.

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

This page config DHCPv6 and RADVD. Interface Id does NOT support ZERO COMPRESSION ":",Please enter the complete information.for example:Please enter "0:0:0:2" instead of "::-".

IP Address: fe80 : 0000 : 0000 : 0000 : 0000 : 0000 : 0001 : 64

DHCPv6 Server Enable:

RADVD Enable:

Save & Apply

| Object | Description |
|----------------|---|
| IP Address | Router's LAN IPv6 address. |
| DNS Addr | Router's LAN DNS server. |
| Interface Name | If it is selected, the router serves as the DHCP server and automatically assigns IPv6 addresses to all computers in the LAN. |

| | |
|------------------|--|
| Addr Pool | Enter the start and end IPv6 address of all the available successive IPv6 address. |
|------------------|--|

5.3.9 Tunnel(6 Over 4)

This page used for Tunnel 6 over 4.

- LAN Setting
- WAN Setting
- PPTP Setting
- L2TP Setting
- GRE Setting
- IPv6 Wan Setting
- IPv6 Lan Setting
- Tunnel (6 over 4)
- VLAN Bridge
- Default Route
- Static Route

Configuring Tunnel(6to4)

Enabled:

Save

| Object | Description |
|---------------|------------------------------------|
| Enable | Enable or disable tunnel 6 over 4. |

5.3.10 Vlan Bridge

This page used for set vlan bridge, you can set a 802.11q vlan bind some lan interface.

- LAN Setting
- WAN Setting
- PPTP Setting
- L2TP Setting
- GRE Setting
- IPv6 Wan Setting
- IPv6 Lan Setting
- Tunnel (6 over 4)
- VLAN Bridge
- Default Route
- Static Route

Entries in below table are used to config vlan settings.

VLAN ID(1-4095):

LAN1 LAN2 LAN3 LAN4
 5G SSID1 5G GUEST1 5G GUEST2 5G GUEST3 5G GUEST4
 2.4G SSID1 2.4G GUEST1 2.4G GUEST2 2.4G GUEST3 2.4G GUEST4

Save & Apply

Current VLAN Table

| VLAN ID | Tagged Ports | Untagged Ports | Select |
|--|--------------|----------------|--------|
| <div style="display: flex; justify-content: center; gap: 10px;"> </div> | | | |

Delete Selected

| Object | Description |
|------------------|------------------------|
| VLAN ID | Bridge vlan id |
| Interface | Vlan id bind interface |

5.3.11 Default Route

You can select which wan connection as default gateway route.if not ,system will auto select a connect up wan as default gateway route.

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

You can select which wan connection as default gateway route.if not ,system will auto select a connect up wan as default gateway route.

| Connect name | Type | VlanMuxId | Action |
|--------------|------|-----------|--------|
| WAN1 | dhcp | --- | |

5.3.12 Static Router

| |
|-------------------|
| LAN Setting |
| WAN Setting |
| PPTP Setting |
| L2TP Setting |
| GRE Setting |
| IPv6 Wan Setting |
| IPv6 Lan Setting |
| Tunnel (6 over 4) |
| VLAN Bridge |
| Default Route |
| Static Route |

Once connected to the Internet, your router automatically builds routing tables that determine where traffic should be sent. Static routes can override this process, allowing traffic to be directed to a specific client or location.

Enable Static Route:

IP Address:

Subnet Mask:

Gateway:

Metric:

Interface:

Static Route Table

| Destination IP Address | Netmask | Gateway | Metric | Interface | Status | Select |
|---|---------|---------|--------|-----------|--------|--------|
| <input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/> | | | | | | |

| Object | Description |
|----------------------------|---------------------------------|
| Enable Static Route | Enable or disable Static route. |
| IP Address | Enter the destination network |
| Subnet Mask | Enter the network mask |
| Gateway | Enter the network gateway |
| Metric | Enter the routing metric |
| Interface | Select the interface |

5.4 WLAN5G

5.4.1 Basic Settings

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

You can config the parameters for wireless LAN clients which may connect to your Router. Here you may change wireless encryption settings as well as wireless network parameters.

Disable Wireless LAN Interface:

Country or Region: UNITED ARAB EMIRATES

Band: 5 GHz (A+N+AC)

Mode: AP

Multiple AP

SSID: dlink-2844-5GHz

Channel Width: 80MHz

Channel Number: Auto(DFS)

BroadcastSSID: On

WMM: On

Data Rate: Auto

Associated Clients: Show Active Clients

Enable Universal Repeater Mode:

Save & Apply Reset

| Object | Description |
|---------------------------------------|--|
| Disable Wireless LAN Interface | You may choose to enable or disable Wireless function. |
| Band | Set the wireless mode to which you need. Default is "Mixed 802.11b/g/n" . It is strongly recommended that you set the Band to "802.11b/g/n", and all of 802.11b, 802.11g, and 802.11n wireless stations can connect to the DIR-825M |
| Mode | WLAN working mode, such AP, client, WDS and AP+WDS. |
| MultipleAP | You can set guest SSID from this button. |
| Network Type | You can config WLAN network type with this parameter. |
| SSID | Set a name (SSID) for your wireless network. The ID of the wireless network. User can access the wireless network through it only. However, if you switch to Client Mode, this field becomes the SSID of the AP you want to connect with. |
| Channel Width | Select a proper channel bandwidth to enhance wireless performance. When there are 11b/g and 11n wireless clients, please select the 802.11n mode of 20/40MHz frequency band. |
| Control Sideband | Control channels are only applicable if your gateway is operating at 40 MHz bandwidth and the 802.11n mode is configured as Automatic. |
| Channel Number | For an optimal wireless performance, you may select the least interferential channel. It is advisable that you select an unused channel or "Auto" to let device detect and select the best possible channel for your wireless network to operate on from the drop-down list. |
| BroadcastSSID | You may choose to visible or invisible SSID broadcast. When it is enabled, the router SSID will be broadcast in the wireless network, so |

| | |
|---------------------------------------|---|
| | that it can be scanned by wireless clients and they can join the wireless network with this SSID. |
| WMM | WMM provides basic Quality of service (QoS) features to IEEE 802.11 networks. WMM prioritizes traffic according to four Access Categories: voice, video, best effort, and background. |
| Associated Clients | This option shows you all the clients which connected to this SSID. |
| Enable Universal Repeater Mode | Repeater mode |

5.4.2 Security

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page allows you setup the wireless security. Turn on WEP/WPA2/WPA-MIXED/WPA3/WPA2-WPA3-MIXED by using Encryption Keys could prevent any unauthorized access to your wireless network.

Select SSID:

Encryption:

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

WPA2 Cipher Suite: TKIP AES

Management Frame Protection: none capable required

Pre-Shared Key Format:

Pre-Shared Key:

| Object | Description |
|-----------------------|---|
| Select SSID | Set a name (SSID) for your wireless network. User can access the wireless network through the ID only. However, if you switch to client mode, this field becomes the SSID of the AP you want to connect with. |
| Encryption | Select the security mode from the Encryption dropdown list. There are 6 options in the Security Mode dropdown list: <ul style="list-style-type: none"> ■ Disable ■ WEP ■ WPA2 ■ WPA-Mixed ■ WPA3 ■ WPA2-WPA3-MIXED |
| Pre-Shared Key | Enter the Wi-Fi password |

5.4.3 Access Control

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

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 Router. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Router.

Wireless ACL Mode:

MAC Address:

Comment:

Current ACL List

| MAC Address | Comment | Select |
|---|---------|--------|
| <input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/> | | |

| Object | Description |
|--------------------------|---|
| Wireless ACL Mode | 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. |
| MAC Address | The MAC address of the client. |
| Comment | Comment |

5.4.4 Site Survey

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page provides tool to scan the wireless network. If any Router or IBSS is found, you could choose to connect it manually when client mode is enabled.

| SSID | BSSID | Channel Number | Type | Encrypt | Signal |
|------|-------|----------------|------|---------|--------|
| None | | | | | |

5.4.5 WPS

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

page_wlmps

Disable WPS:

Save & Apply **Reset**

WPS Status: Configured UnConfigured

Reset to UnConfigured

Auto-lock-down state: unlocked **Unlock**

Push Button Configuration: **Start PBC**

STOP WSC **Stop WSC**

Connected State Started
Current Key Info

| Authentication | Encryption | Key |
|---------------------|------------|-------|
| WPA3-WPA2-Mixed PSK | AES | ***** |

| Object | Description |
|--------------------|---|
| WPS | This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client automatically synchronize its setting and connect to the Access Point in a minute without any hassle. |
| Disable WPS | Enable or disable WPS function. |

5.4.6 Schedule

| |
|-----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page allows you setup the wireless schedule rule. Please do not forget to configure system time before enable this feature.

Enable Wireless Schedule:

| Enable | Day | From | To |
|--------------------------|-----|--------------------|--------------------|
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 (hour) 00 (min) | 00 (hour) 00 (min) |

Save & Apply **Reset**

5.5 WLAN 2.4G

5.5.1 Basic Settings

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

You can config the parameters for wireless LAN clients which may connect to your Router. Here you may change wireless encryption settings as well as wireless network parameters.

Disable Wireless LAN Interface:

Country or Region: UNITED ARAB EMIRATES ▾

Band: 2.4 GHz (B+G+N) ▾

Mode: AP ▾

Multiple AP

SSID: dlink-2844

Channel Width: 20MHz ▾

Control Sideband: Upper ▾

Channel Number: Auto ▾

BroadcastSSID: On ▾

WMM: On ▾

Data Rate: Auto ▾

Associated Clients: **Show Active Clients**

Enable Universal Repeater Mode:

Save & Apply **Reset**

| Object | Description |
|---------------------------------------|--|
| Disable Wireless LAN Interface | You may choose to enable or disable Wireless function. |
| Band | Set the wireless mode to which you need. Default is “Mixed 802.11b/g/n” . It is strongly recommended that you set the Band to “802.11b/g/n”, and all of 802.11b, 802.11g, and 802.11n wireless stations can connect to the DIR-825M |
| Mode | WLAN working mode, such AP, client, WDS and AP+WDS. |
| MultipleAP | You can set guest SSID from this button. |
| Network Type | You can config WLAN network type with this parameter. |
| SSID | Set a name (SSID) for your wireless network. The ID of the wireless network. User can access the wireless network through it only. However, if you switch to Client Mode, this field becomes the SSID of the AP you want to connect with. |
| Channel Width | Select a proper channel bandwidth to enhance wireless performance. When there are 11b/g and 11n wireless clients, please select the 802.11n mode of 20/40MHz frequency band. |
| Control Sideband | Control channels are only applicable if your gateway is operating at 40 MHz bandwidth and the 802.11n mode is configured as Automatic. |
| Channel Number | For an optimal wireless performance, you may select the least interferential channel. It is advisable that you select an unused channel or “Auto” to let device detect and select the best possible channel for your wireless network to operate on from the drop-down |

| | |
|---------------------------------------|--|
| | list. |
| BroadcastSSID | You may choose to visible or invisible SSID broadcast. When it is enabled, the router SSID will be broadcast in the wireless network, so that it can be scanned by wireless clients and they can join the wireless network with this SSID. |
| WMM | WMM provides basic Quality of service (QoS) features to IEEE 802.11 networks. WMM prioritizes traffic according to four Access Categories: voice, video, best effort, and background. |
| Associated Clients | This option shows you all the clients which connected to this SSID. |
| Enable Universal Repeater Mode | Repeater mode |

5.5.2 Security

| |
|-----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page allows you setup the wireless security. Turn on WEP/WPA2/WPA-MIXED/WPA3/WPA2-WPA3-MIXED by using Encryption Keys could prevent any unauthorized access to your wireless network.

Select SSID:

Encryption:

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

WPA2 Cipher Suite: TKIP AES

Management Frame Protection: none capable required

Pre-Shared Key Format:

Pre-Shared Key:

Save & Apply

Reset

| Object | Description |
|-----------------------|---|
| Select SSID | Set a name (SSID) for your wireless network. User can access the wireless network through the ID only. However, if you switch to client mode, this field becomes the SSID of the AP you want to connect with. |
| Encryption | Select the security mode from the Encryption dropdown list. There are 6 options in the Security Mode dropdown list: <ul style="list-style-type: none"> ■ Disable ■ WEP ■ WPA2 ■ WPA-Mixed ■ WPA3 ■ WPA2-WPA3-MIXED |
| Pre-Shared Key | Enter the Wi-Fi password |

5.5.3 Access Control

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

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 Router. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Router.

Wireless ACL Mode:

MAC Address:

Comment:

Current ACL List

| MAC Address | Comment | Select |
|---|---------|--------|
| <input type="button" value="Delete Selected"/> <input type="button" value="Delete All"/> <input type="button" value="Reset"/> | | |

| Object | Description |
|--------------------------|---|
| Wireless ACL Mode | 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. |
| MAC Address | The MAC address of the client. |
| Comment | Comment |

5.5.4 Site Survey

This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page provides tool to scan the wireless network. If any Router or IBSS is found, you could choose to connect it manually when client mode is enabled.

| SSID | BSSID | Channel Number | Type | Encrypt | Signal |
|------|-------|----------------|------|---------|--------|
| None | | | | | |

5.5.5 WPS

| |
|----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

page_wlwnps

Disable WPS:

Save & Apply **Reset**

WPS Status: Configured UnConfigured

Reset to UnConfigured

Auto-lock-down state: unlocked **Unlock**

Push Button Configuration: **Start PBC**

STOP WSC **Stop WSC**

Connected State Started
Current Key Info

| Authentication | Encryption | Key |
|---------------------|------------|-------|
| WPA3-WPA2-Mixed PSK | AES | ***** |

| Object | Description |
|--------------------|---|
| WPS | This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client automatically synchronize its setting and connect to the Access Point in a minute without any hassle. |
| Disable WPS | Enable or disable WPS function. |

5.5.6 Schedule

| |
|-----------------|
| 2.4GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |
| 5GHz |
| Basic Settings |
| Security |
| Access Control |
| Site Survey |
| WPS |
| Schedule |

This page allows you setup the wireless schedule rule. Please do not forget to configure system time before enable this feature.

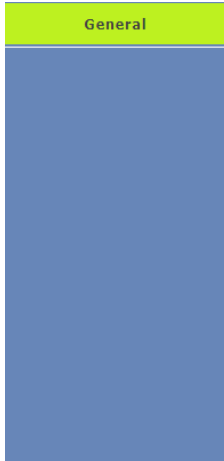
Enable Wireless Schedule:

| Enable | Day | From | | To | |
|--------------------------|-----|------|-----------------|----|-----------------|
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |
| <input type="checkbox"/> | Sun | 00 | (hour) 00 (min) | 00 | (hour) 00 (min) |

Save & Apply **Reset**

5.6 Easy Mesh

5.6.1 General



You can config the parameters for EasyMesh feature of your Router. The controller is the master device and is used to connect to the external network. Agent is a slave device, which is used to connect the controller or other agent. When configured as agent, this device will be used as bridge and dhcp server is closed, the WAN port becomes the LAN port. After configuration, press the WPS button of controller and agent to make a pairing connection. After success, the IP of the agent device will be obtained from the controller, and the ssid/password of WiFi will be automatically changed to be consistent with that of the controller.

Role: Controller Agent Disabled

Backhaul BSS: 5G 2.4G

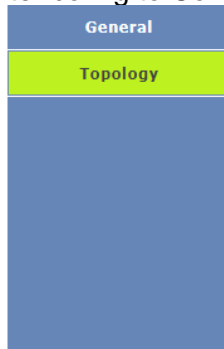
Device Name:

WPS Trigger:

| Object | Description |
|--------------|---|
| Role | The controller is the master device and is used to connect to the external network. Agent is a slave device, which is used to connect the controller or other agent. When configured as agent, this device will be used as bridge and dhcp server is closed, the WAN port becomes the LAN port |
| Backhaul BSS | Select WiFi 5g or 2.4G as mesh networking. |
| Device Name | Set a name to device for identification |
| WPS Trigger | Press "Start PBC" button to trigger mesh connection through software |

5.6.2 Topology

After config to Controller, Topology will be added to the left menu to check the connection of each mesh



You can config the parameters for EasyMesh feature of your Router.

Network Topology:

| | | |
|---|--|---|
| ▪ | DIR-825M 021018444888 172.16.16.1 | <input type="button" value="Show Details"/> |
| ▪ | DIR-825M 021018777214 172.16.16.38 | <input type="button" value="Show Details"/> |
| ▪ | DIR-825M-002 001198000001 172.16.16.13 | <input type="button" value="Show Details"/> |
| ▪ | DIR-825M-003 34fca105ffd4 172.16.16.22 | <input type="button" value="Show Details"/> |

5.7 Firewall

5.7.1 Advanced

| |
|-----------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QoS |

Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks

- Enable DMZ:
- Enable UPnP:
- Enable IGMP Proxy:
- Enable Ping Access on WAN:
- Enable Web Server Access on WAN:
- Enable Web Server HTTPS Access on WAN:
- Enable IPsec pass through on VPN connection:
- Enable PPTP pass through on VPN connection:
- Enable L2TP pass through on VPN connection:
- RTSP ALG:
- SIP ALG:
- Wifi Guest Access Router:

| Object | Description |
|---|---|
| Enable DMZ | Enable or disable DMZ function |
| Enable UPnP | Enable or disable UPnP function |
| Enable IGMP Proxy | Enable or disable IGMP Proxy function |
| Enable Telnet Access on LAN | Enable or disable Telnet by lan access |
| Enable Telnet Access on WAN | Enable or disable Telnet by wan access |
| Enable Ping Access on WAN | Enable or disable Enable Ping Access on WAN function |
| Enable Web Server Access on WAN | Enable or disable Enable Web Server Access on WAN function. |
| Enable IPsec pass through on VPN connection | Enable or disable IPSEC to pass through IPSEC communication data. |
| Enable PPTP pass through on VPN connection | Enable or disable PPTP to pass through PPTP communication data. |
| Enable L2TP pass through on VPN connection | Enable or disable L2TP to pass through L2TP communication data. |

5.7.2 Port Filtering

| |
|-----------------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QOS |

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.

Enable Port Filtering:

Enable IPv4:

Enable IPv6:

Port Range: -

Protocol:

Comment:

Save & Apply **Reset**

Port Filter Table

| Port Range | Protocol | IP Version | Comment | Select |
|--|----------|------------|---------|--------|
| <p>Delete Selected Delete All Reset</p> | | | | |

| Object | Description |
|------------------------------|--|
| Enable Port Filtering | Enable or disable IP Filtering function. |
| Enable IPv4 | Enable or disable IPv4 Port Filtering feature. |
| Enable IPv6 | Enable or disable IPv6 Port Filtering feature. |
| Port Range | Set the port range for port filtering |
| Protocol | Select "TCP", "UDP" or "Both" |
| Comment | Comment for the rule. |

5.7.3 IP Filtering

| |
|---------------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QOS |

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.

Enable IP Filtering:

Enable IPv4:

Enable IPv6:

Local IPv4 Address:

Remote IPv4 Address:

Local IPv6 Address:

Remote IPv6 Address:

Protocol:

Comment:

Save & Apply **Reset**

IP Filter Table

| Local IP Address | Remote IP Address | Protocol | Comment | Select |
|--|-------------------|----------|---------|--------|
| <p>Delete Selected Delete All Reset</p> | | | | |

| Object | Description |
|----------------------------|---|
| Enable IP Filtering | Enable or disable IP Filtering function. |
| Enable IPv4 | Enable or disable IPv4 Filtering feature. |
| Enable IPv6 | Enable or disable IPv6 Filtering feature. |

| | |
|---------------------------|----------------------------------|
| Local IPv4 Address | Set LAN side source IPv4 address |
| Local IPv6 Address | Set LAN side source IPv6 address |
| Protocol | Select "TCP", "UDP" or "Both" |
| Comment | Comment for the rule. |

5.7.4 Mac Filtering

| |
|----------------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QOS |

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.

Mode: Blacklist Whitelist

MAC Address: Connect client Lists

Comment:

Save & Apply Reset

MAC Filter Table

| MAC Address | Comment | Select |
|---|---------|--------|
| Delete Selected Delete All Reset | | |

| Object | Description |
|--------------------|--|
| Model | You can set working model here, Black and White. |
| MAC Address | Enter a MAC address |
| Comment | Comment info. |

5.7.5 Port Forwarding

| |
|------------------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QOS |

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.

Enable Port Forwarding:

Local IP Address:

Local Port Start:

Local Port End:

Protocol:

Remote IP Address:

Remote Port Start:

Remote Port End:

Comment:

Save & Apply Reset

Current Port Forwarding Table

| Local IP Address | Local Port Range | Protocol | Remote IP Address | Remote Port Range | Status | Comment | Select |
|---|------------------|----------|-------------------|-------------------|--------|---------|--------|
| Delete Selected Delete All Reset | | | | | | | |

| Object | Description |
|-------------------------------|---|
| Enable Port Forwarding | Enable or disable Port Forwarding function. |
| Local IP Address | Enter a LAN IP address |

| | |
|--------------------------|--------------------------------|
| Local Port Start | Enter LAN side start port. |
| Local Port End | Enter LAN side end port. |
| Protocol | Select "TCP", "UDP" or "Both". |
| Remote IP Address | Enter a WAN IP address |
| Remote Port Start | Enter the external start port |
| Remote Port End | Enter the external end port |
| Comment | Enter the port number |

5.7.6 URL Filtering

| |
|----------------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QoS |

URL filter is used to deny LAN users from accessing the internet. Block those URLs which contain keywords listed below.

Enable URL Filtering:

Deny URL address(black list):

Allow URL address(white list):

URL Address:

Save & Apply **Reset**

URL Filter Table

| URL Address | Select |
|--|--------|
| <p>Delete Selected Delete All Reset</p> | |

| Object | Description |
|---------------------------------------|---|
| Enable URL Filtering | Enable or disable URL Filtering function. |
| Deny URL address (black list) | Blocking access to the URL list. |
| Allow URL address (white list) | Allowing access to the URL list. |
| URL Address | Block or allow access URL. |
| Protocol | Select "TCP", "UDP" or "Both". |

5.7.7 Qos Settings

| |
|-----------------|
| Advanced |
| Port Filtering |
| IP Filtering |
| MAC Filtering |
| Port Forwarding |
| URL Filtering |
| QoS |

Entries in this table improve your online gaming experience by ensuring that your game traffic is prioritized over other network traffic, such as FTP or Web.

Enable QoS:

Save & Apply **Reset**

Current QoS Rules Table

| Name | IP version | Protocol | Local IP Address | Local Port | Remote IP Address | Remote Port | Local IPv6 addr | MAC Address | Phyport | dscp Mode | Uplink Bandwidth | Downlink Bandwidth | Priority W |
|--|------------|----------|------------------|------------|-------------------|-------------|-----------------|-------------|---------|-----------|------------------|--------------------|------------|
| <p>Delete Selected Delete All Reset</p> | | | | | | | | | | | | | |

| Object | Description |
|-----------------------------------|--|
| Automatic Uplink Speed | Automatic uplink speed. |
| Manual Uplink Speed (Kbps) | Set the download speed of your Internet access |

| | |
|-------------------------------------|--|
| Automatic Downlink Speed | Automatic downlink speed. |
| Manual Downlink Speed (Kbps) | Set the upload speed of your Internet access |
| Name | QoS rule name. |

5.8 Management

5.8.1 Time Zone Settings

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

You can maintain the system time by synchronizing with a public time server over the Internet.

Current Time: - - : :

Copy LAN time:

Time Zone Select:

Enable NTP client update:

Automatically Adjust Daylight Saving:

NTP server:

| Object | Description |
|--------------------------------------|---|
| Current Time | Select the time zone in your area |
| Copy LAN time | Copy time from computer. |
| Time Zone Select | Select time zone from the drop box. |
| Enable NTP client update | Enable or disable NTP client update. |
| Automatically Adjust Daylight Saving | Enable or disable daylight saving if you need this function |
| NTP Server | Select the well know NTP Server. |
| Manual IP Setting | Enter the server manually. |

5.8.2 DDNS

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

Dynamic DNS is a service, that provides you with a valid, unchanging, internet domain name (an URL) to go with that (possibly everchanging) IP-address.

Enable DDNS:

Status: Disconnected

IP Address:

Service Provider:

Domain Name:

User Name/Email:

Password/Key:

| Object | Description |
|--------|---------------------------------------|
| | Select server from the drop-down list |

| | |
|------------------------|---|
| Server Provider | <input checked="" type="checkbox"/> DynDNS <input checked="" type="checkbox"/> TZO |
| Domain Name | Enter the host name |
| User Name/Email | Enter the user name |
| Password/Key | Enter the password |

5.8.3 Deny of Service

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.

| |
|------------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

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.

Enable DoS Prevention

Whole System Flood: SYN 0 Packets/Second

Whole System Flood: FIN 0 Packets/Second

Whole System Flood: UDP 0 Packets/Second

Whole System Flood: ICMP 0 Packets/Second

Per-Source IP Flood: SYN 0 Packets/Second

Per-Source IP Flood: FIN 0 Packets/Second

Per-Source IP Flood: UDP 0 Packets/Second

Per-Source IP Flood: ICMP 0 Packets/Second

TCP/UDP PortScan: Low Sensitivity

ICMP Smurf:

IP Land:

IP Spoof:

IP TearDrop:

PingOfDeath:

TCP Scan:

TCP SynWithData:

UDP Bomb:

UDP EchoChargen:

5.8.4 TR069 Settings

This page is used to configure the TR069. Here you may change the setting for the ACS's parameters.

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

You can config the TR-069. Here you may change the setting for the ACS's parameters.

TR069: Disabled Enabled

ACS:

User Name:

Password:

Periodic Inform Enable: Disabled Enabled

Periodic Inform Interval:

Interface:

Connection Request

Authentication: Disabled Enabled

User Name:

Password:

Path:

Port:

Certificat Management

CA Certificat:

View CA Certificat:

| Object | Description |
|---------------------------------|--|
| TR069 | Enable or disable TR069. |
| ACS | ACS server domain or IP Address. |
| User Name | User name for connection to ACS. |
| Password | Password for connection to ACS. |
| Periodic Inform Enable | Enable or disable periodic inform. |
| Periodic Inform Interval | Periodic inform interval. |
| Connection Request User Name | User Name used form ACS connection to TR069. |
| Connection Request Password | Password used form ACS connection to TR069. |
| Path | Connection request path. |
| Port | Connection port. |

5.8.5 Log

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page can be used to set remote log server and show the system log.

Enable Log:

Enable Remote Log:

Log Server IP Address:

Apply Changes

Refresh **Clear**

| Object | Description |
|-----------------------|--|
| Enable Log | Enable or disable Log function. |
| Enable Remote Log | Enable or disable "Logging to Syslog Server" |
| Log Server IP Address | Enter the Syslog server IP address |

5.8.6 PASSOWRD

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page is used to set the account to access the web server of Router. Empty user name and password will disable the protection.

New Password:

Confirmed Password:

Save & Apply **Reset**

| Object | Description |
|--------------------|-------------------------------|
| Password | Enter the new password. |
| Confirmed Password | Enter the new password again. |

5.8.7 Ping Diagnostic

| |
|------------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page gives you various diagnostics about ping for IP connection.

Host Name or IP Address:

5.8.8 Traceroute Diagnostic

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page gives you various diagnostics about traceroute for IP connection.

Host Name or IP Address:

5.8.9 System Settings

| |
|------------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page allows you save current settings to a file or reload the settings from the file which was saved previously. Besides, you could reset the current configuration to factory default.

Save Settings to File:

Load Settings from File:

Reset Settings to Default:

Reboot The Device:

| Object | Description |
|-------------------------|---------------------------------|
| Save settings to file | Save the setting to local PC |
| Load settings from File | Load the settings from local PC |

| | |
|----------------------------------|---------------------------------------|
| Reset Settings to Default | Restore the device to factory default |
| Reboot the device | Press the button to reboot the device |



When you load new configuration, the original configuration will be lost. Please back up the current configuration before loading a new one. In this way, if the new configuration file has an error, you can load the backup file.

5.8.10 Auto Reboot

- Time Zone Setting
- DDNS
- Deny Of Service
- TR-069 Config
- Log
- Password
- Ping Diagnostic
- Traceroute
- System Settings
- Auto Reboot
- Upgrade Firmware
- Logout

'Auto Reboot' is the feature which can do the Reboot automatically at a specified time. Please note: 'Auto Reboot' depend on the 'NTP Server', you have to enable the 'NTP Server' when use this feature. For example. Period Days is 2, Reboot Time is 03:00, the system will automatically reboot at 3 o'clock every 2 days.

Enable:

Period Days:

Reboot Time:

Save & Apply

'Auto Reboot' is the feature which can do the Reboot automatically at a specified time. Please note: 'Auto Reboot' depend on the 'NTP Server', you have to enable the 'NTP Server' when use this feature. For example. Period Days is 2, Reboot Time is 03:00, the system will automatically reboot at 3 o'clock every 2 days.

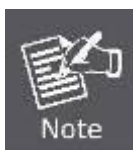
5.8.11 Upgrade Firmware

- Time Zone Setting
- DDNS
- Deny Of Service
- TR-069 Config
- Log
- Password
- Ping Diagnostic
- Traceroute
- System Settings
- Auto Reboot
- Upgrade Firmware
- Logout

This page allows you upgrade the Router firmware to new version. Please note, do not power off the device during the upload because it may crash the system.

Firmware Version: V1.1.2

Select File:



DO NOT turns off the power or press the Reset button when updating the firmware. Otherwise, the router may be damaged.

5.8.12 Logout

| |
|-------------------|
| Time Zone Setting |
| DDNS |
| Deny Of Service |
| TR-069 Config |
| Log |
| Password |
| Ping Diagnostic |
| Traceroute |
| System Settings |
| Auto Reboot |
| Upgrade Firmware |
| Logout |

This page is used to logout.

Do you want to logout ?

Logout