NETWORKING PEOPLE TOGETHER

BR-6478AC V3

User Manual

12-2018 / v1.0

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CONTENTS

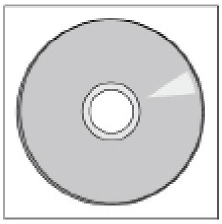
I. Product Information

I-1. Package Contents

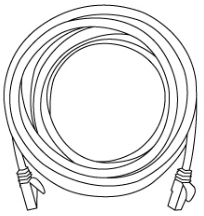
Before you start using this product, please check if there is anything missing in the package, and contact your dealer to claim the missing item(s):

BR-6478AC V3

Power Adapter



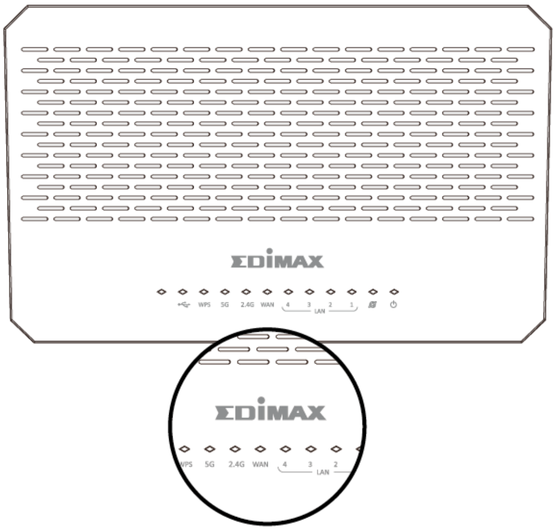
CD-ROM



Ethernet Cable

Quick Installation Guide

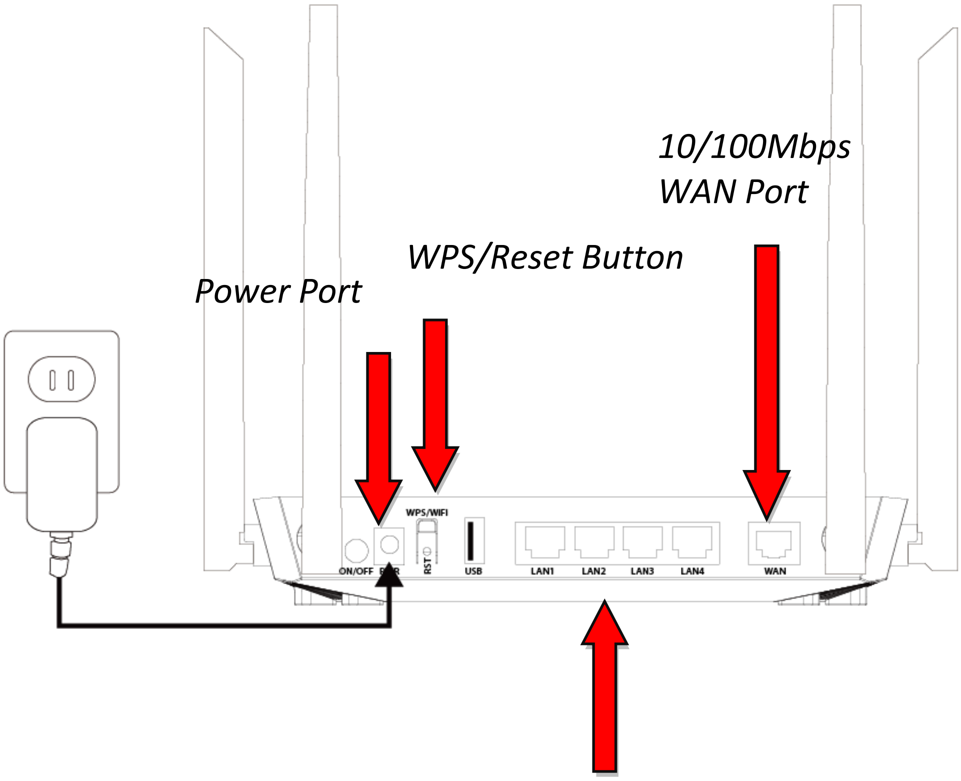
I-2. LED Status



LED	Color	LED Status	Description
Power ⏻	Green	On	The device is on.
		Off	The device is off.
Internet 🌐	Green	On	Internet connection is ready.
		Flashing	Restoring to factory default state, or Ethernet cable not connected, or no Internet connection.
2.4G Wi-Fi 📶	Green	On	2.4GHz Wi-Fi wireless activity. (Transferring/receiving data).
		Flashing	2.4GHz WPS is active.
		Off	2.4GHz Wi-Fi not active.
5G Wi-Fi 📶	Green	On	5GHz Wi-Fi wireless activity. (Transferring/receiving data).
		Flashing	5GHz WPS is active.
		Off	5GHz Wi-Fi not active.
USB	Green	On	USB connection is ready.
		Flashing	A new USB device is being identified.
		Off	USB is not active.
WPS	Green	On	Negotiation is in progress through Wi-Fi Protected Setup.
		Off	WPS is disabled or connected.
LAN 1-4	Green	On	Ethernet port is connected to a network device.
		Off	Ethernet port is not connected to a network

⚠ If indicator shows abnormal activity, please check the connection.

I-3. Back Panel



Power Port

WPS/Reset Button

10/100Mbps
WAN Port

10/100 Mbps
LAN Ports 1–4

BR- 6478AC V3: *5dBi External Antenna x 4*

I-4. Safety Information

In order to ensure the safe operation of the device and its users, please read and act in accordance with the following safety instructions.

1. The device is designed for indoor use only; do not place it outdoors.

2. Do not place the device in or near hot/humid places, such as a kitchen or bathroom.

3. Do not pull any connected cable with force; carefully disconnect it from the BR-6478AC V3.

4. Handle the device with care. Accidental damage will void the warranty of the device.

5. The device contains small parts which are a danger to small children under 3 years old. Please keep the device out of reach of children.

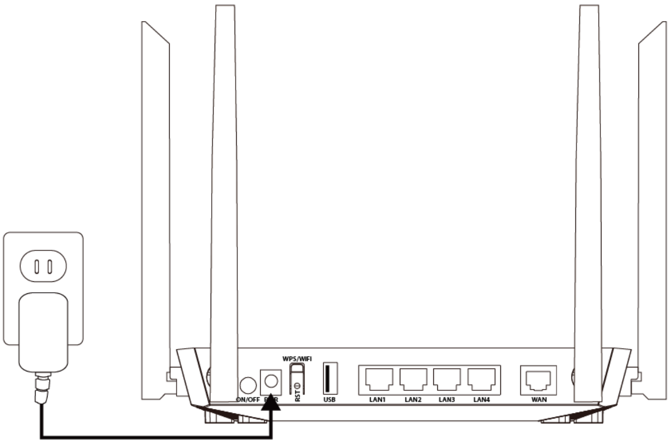
6. Do not place the device on paper, cloth, or other flammable materials. The device may become hot during use.

7. There are no user-serviceable parts inside the device. If you experience problems with the device, please contact your dealer of purchase and ask for help.

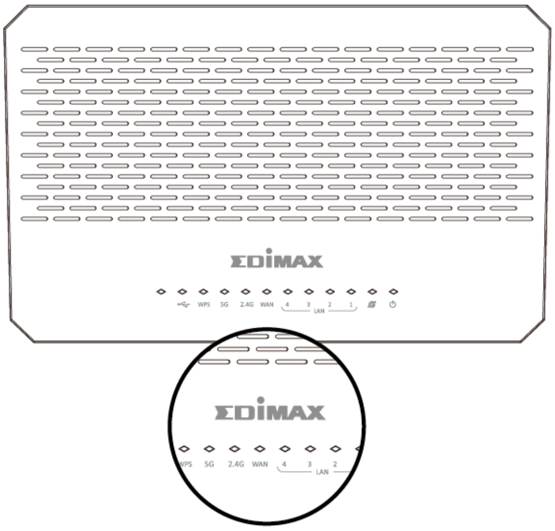
8. The device is an electrical device and as such, if it becomes wet for any reason, do not attempt to touch it without switching the power supply off. Contact an experienced electrical technician for further help.

II. Installation

1. Plug the included power adapter into the device’s 5V DC power port and the other end into an electrical socket.



2. Ensure that the Wi-Fi On/Off switch is set to on and that five LEDs (power, Internet, 2.4GHz & 5GHz Wi-Fi & USB) display are on.



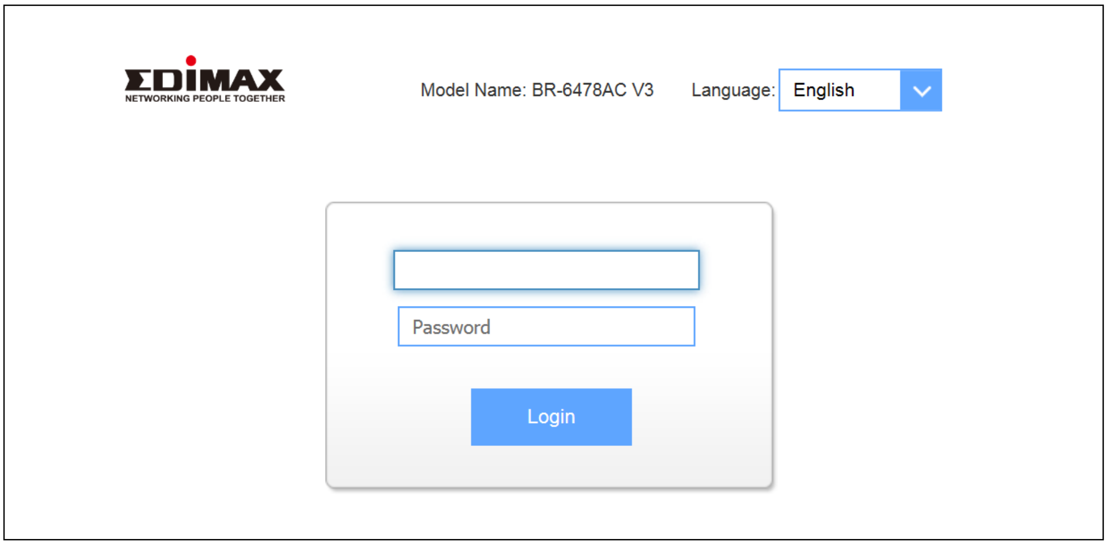
3. Plug the Ethernet cable to internet and the WAN port of the router.

4. Use a Wi-Fi device (e.g. computer, tablet, smartphone) to search for a Wi-Fi network with the SSID “edimax_2.4G_xx or edimax_5G_xx ” and connect to it.

⚠ ***iOS 4 or Android 4 and above are required for setup on a smartphone or tablet.***

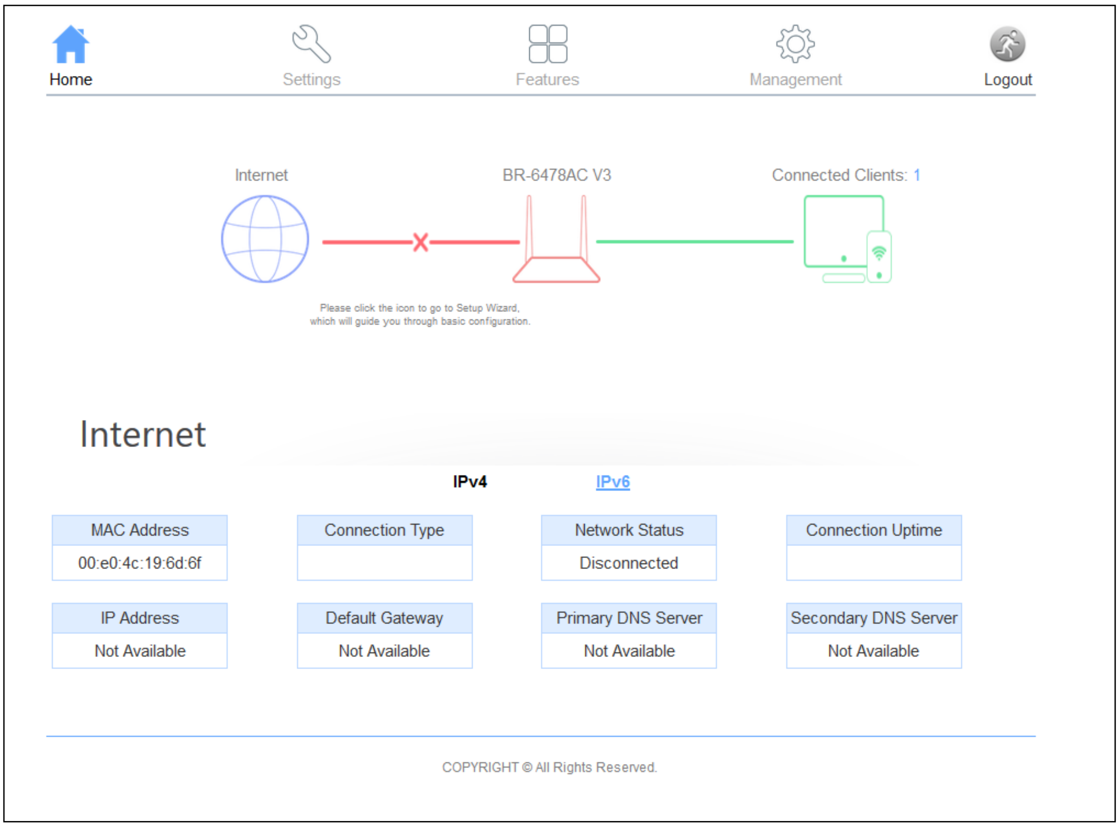
⚠ ***Please noted that BR-6478AC V3 is operated and set up as a Wi-Fi router by default. For complete set up of BR-6478AC V3 in other operation modes, please refer to the user manual.***

5. Open a web browser and enter the URL ***http://192.168.2.1*** and follow the instructions to begin the setup process. You will be prompted for a username and password. The default username is “**admin**” and the default password is “**1234**”.



⚠ ***If you can not access 192.168.2.1, connect the BR-6478AC V3 to a computer using an Ethernet cable and try again.***

6. When you login to the web UI of the router successfully. The following figure will appear, Click on “Settings” to set up:



Home
Settings
Features
Management
Logout
Internet
BR-6478AC V3
Connected Clients: 1
Please click the icon to go to Setup Wizard, which will guide you through basic configuration.

Internet

IPv4 IPv6

MAC Address	Connection Type	Network Status	Connection Uptime
00:e0:4c:19:6d:6f		Disconnected	
IP Address	Default Gateway	Primary DNS Server	Secondary DNS Server
Not Available	Not Available	Not Available	Not Available

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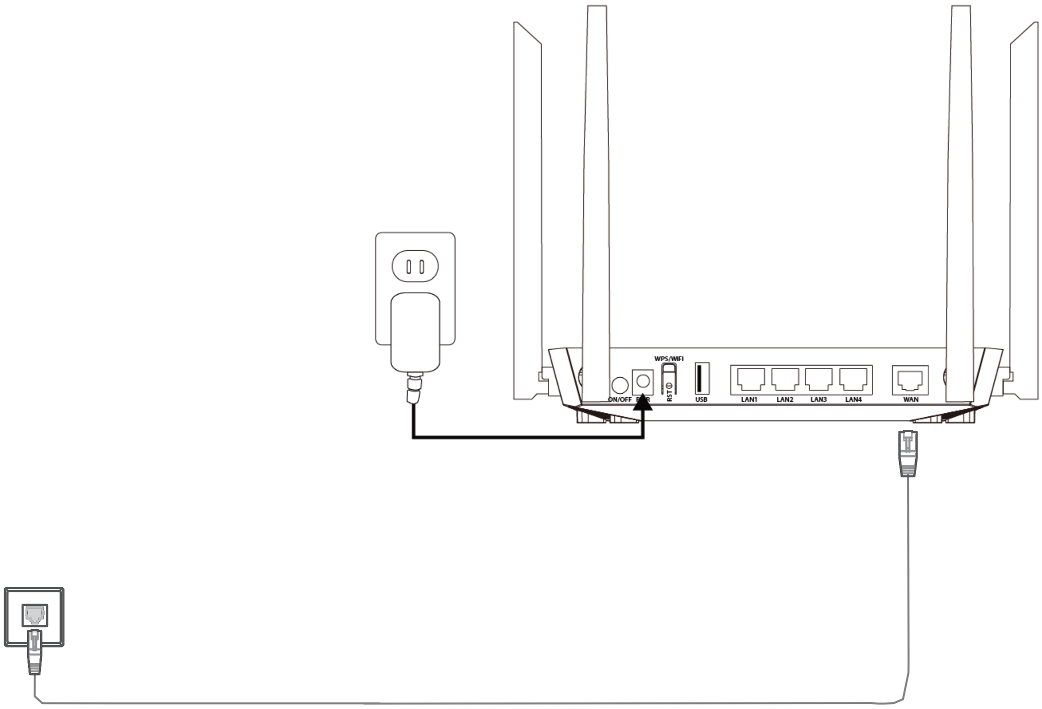
The BR-6478AC V3's three available modes are outlined below:

Wi-Fi Router Mode	*The device connects to your **modem** and provides 2.4GHz and/or 5GHz Internet (wireless and Ethernet) access for your network devices.*
Wi-Fi Bridge Mode	*The device connects to a network device for example: TV, gaming console, or media player via Ethernet cable and acts as a Wi-Fi bridge, allowing the network device to join your Wi-Fi network.*
WISP Mode	*The device connects wirelessly to your Wireless Internet Service Provider and provides 2.4GHz and/or 5GHz Internet (wireless and Ethernet) access for your network devices.*

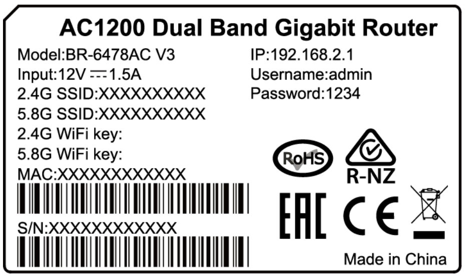
7. Follow the on-screen instructions to complete setup. For more information, please refer to the appropriate following chapter:

II-1. Wi-Fi Router Mode

1. Connect the blue WAN port of your BR-6478AC V3 to the LAN port of your modem using an Ethernet cable.



2. Log on to your 2.4GHz & 5GHz wireless networks. For first time use, please use the SSID and wireless password printed on the bottom of the router. Otherwise, enter a new SSID and password for your 2.4GHz & 5GHz wireless networks.



AC1200 Dual Band Gigabit Router

Model:BR-6478AC V3
Input:12V ⎓ 1.5A
2.4G SSID:XXXXXXXXXX
5.8G SSID:XXXXXXXXXX
2.4G WiFi key:
5.8G WiFi key:
MAC:XXXXXXXXXXXX
S/N:XXXXXXXXXXXX

IP:192.168.2.1
Username:admin
Password:1234

RoHS
R-NZ
Made in China

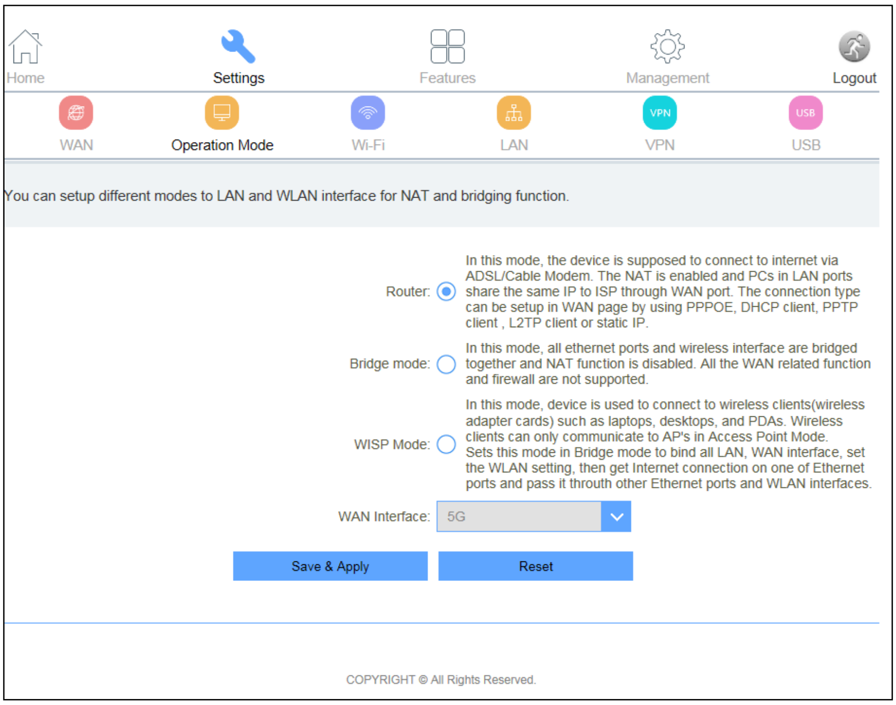
3. Please wait a moment until the device is ready

4. The BR-6478AC V3 is working and ready for use. You can now connect to the device's new SSID. Please refer to following chapters if you require more guidance.

II-2. Wireless Bridge Mode

1. Please ensure your BR-6478AC V3 is within Wi-Fi range of your existing wireless router. Please log on ***http:// 192.168.2.1*** to set up.

2. In the top menu, click “Settings”, then click “Operation Mode”. Select “Bridge mode” to configure.



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

Router: ● 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, PPTP client , L2TP client or static IP.

Bridge mode: ○ 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.

WISP Mode: ○ In this mode, device is used to connect to wireless clients(wireless adapter cards) such as laptops, desktops, and PDAs. Wireless clients can only communicate to AP's in Access Point Mode. Sets this mode in Bridge mode to bind all LAN, WAN interface, set the WLAN setting, then get Internet connection on one of Ethernet ports and pass it throuth other Ethernet ports and WLAN interfaces.

WAN Interface: 5G

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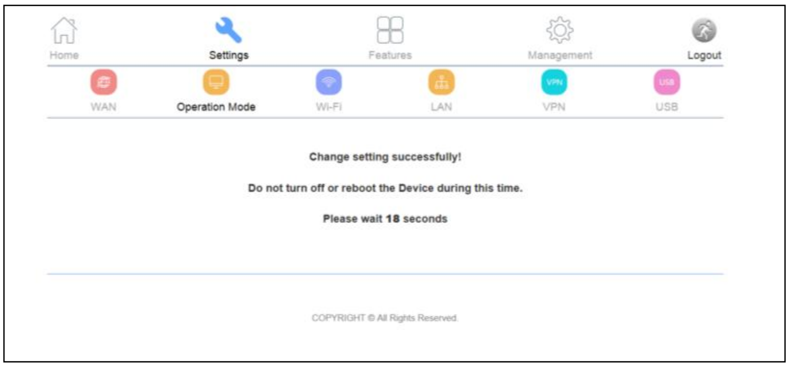
3. Click “Save & Apply”.

4. Please wait a moment until the BR-6478AC V3 is ready.



Change setting successfully!

Do not turn off or reboot the Device during this time.

Please wait 18 seconds

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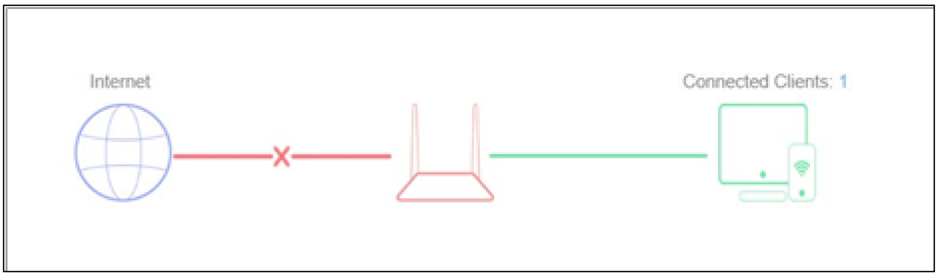
5. The BR-6478AC V3 is working and ready for use. You can now connect the BR-6478AC V3 to your network device using an Ethernet cable and connect to your network as usual.

II-3. WISP Mode

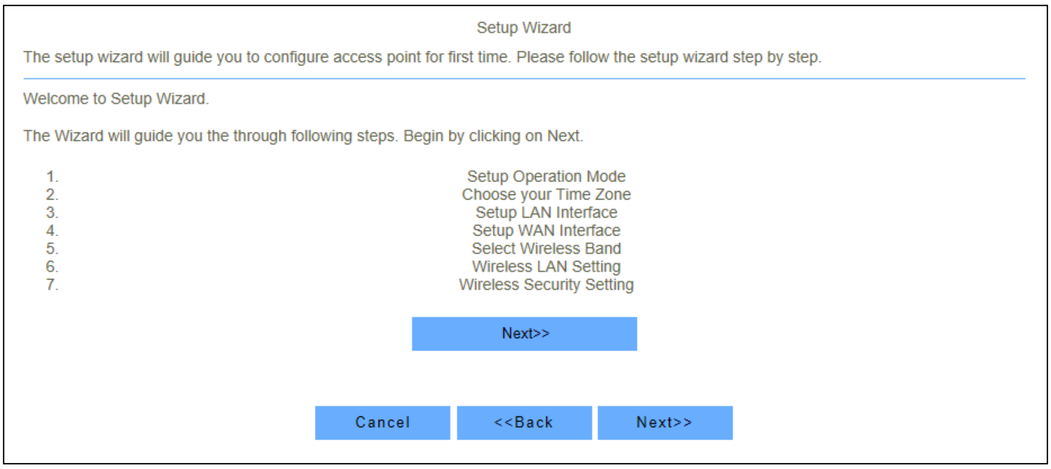
1. Please ensure your BR-6478AC V3 is within Wi-Fi range of your WISP network. Click “Next” to continue.

2. Please wait a moment until the BR-6478AC V3 is ready.

3. For first time use, log on http:// 192.168.2.1. In the absence of an external network, the following interface appears.



4. Click the red “X”, the Wizard Setup page screen appears as below.



Setup Wizard

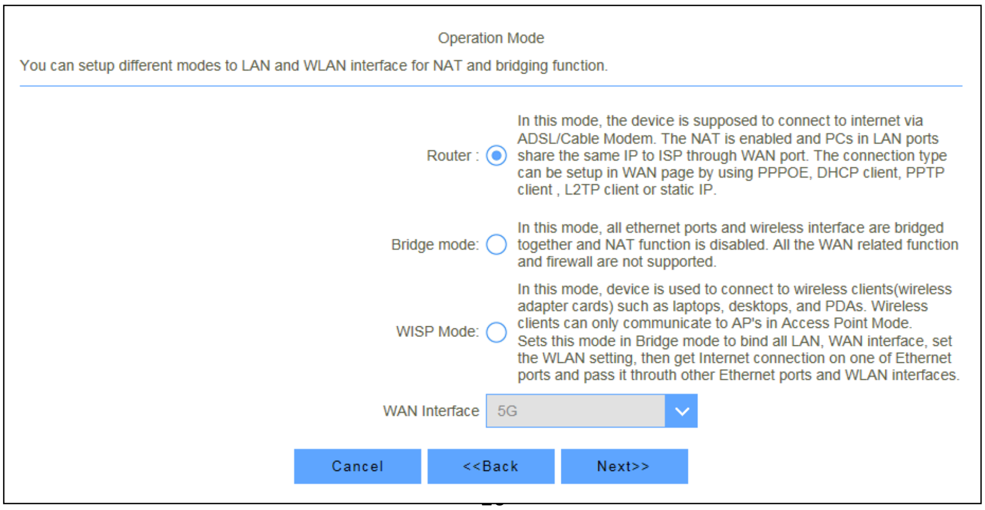
The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step.

Welcome to Setup Wizard.

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

1. Setup Operation Mode
2. Choose your Time Zone
3. Setup LAN Interface
4. Setup WAN Interface
5. Select Wireless Band
6. Wireless LAN Setting
7. Wireless Security Setting

5. Click “Next”, select “Wireless ISP” to configure WISP mode.



Operation Mode

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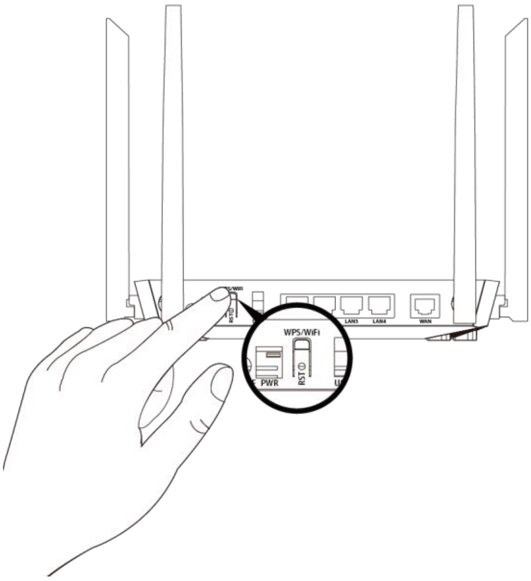
WAN Interface: 5G

II-4. WPS Setup

If your wireless device supports WPS (Wi-Fi Protected Setup) then you can use this method to connect to the BR-6478AC V3's Wi-Fi network.



1. Press the **WPS button** on the BR-6478AC V3 for 3 – 5 seconds to activate WPS.

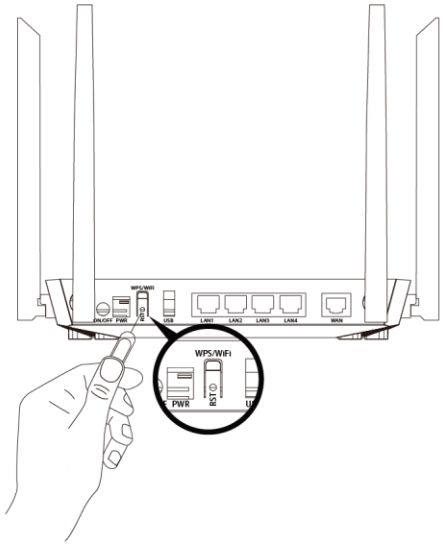
2. **Within two minutes**, press the WPS button on the **wireless device/client** to activate its WPS.

3. The devices will establish a connection. Repeat for additional wireless devices.

⚠ ***Please check the instructions for your wireless device for how long you need to hold down its WPS button to activate WPS.***

II-5. Reset to Factory Default Settings

If you experience problems with your BR-6478AC V3, you can reset the device back to its factory settings. This resets **all** settings back to default.



1. Press and hold RST button with a needle for about 5 seconds to reset the router to its factory default settings.

2. Release the button when all the LED **blinks once**.

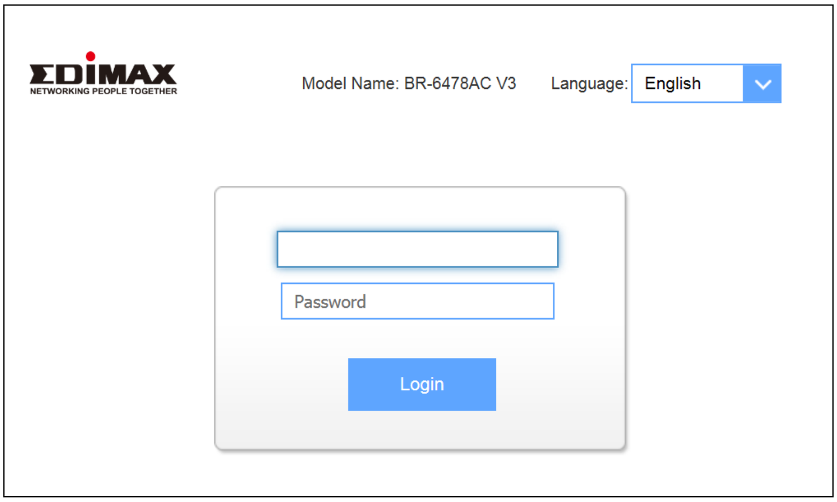
3. Wait for the BR-6478AC V3 to restart. The BR-6478AC V3 is ready for setup when the power LED displays **on.**

III. Browser Based Configuration Interface

After setup you can access the browser based configuration interface to configure or change the settings of the BR-6478AC V3. To access the browser based configuration interface, enter ***http:// 192.168.2.1*** into the URL bar of a web browser on a network device which is connected to the BR-6478AC V3.

If you can not access 192.168.2.1, connects the BR-6478AC V3 to a computer using an Ethernet cable and try again.

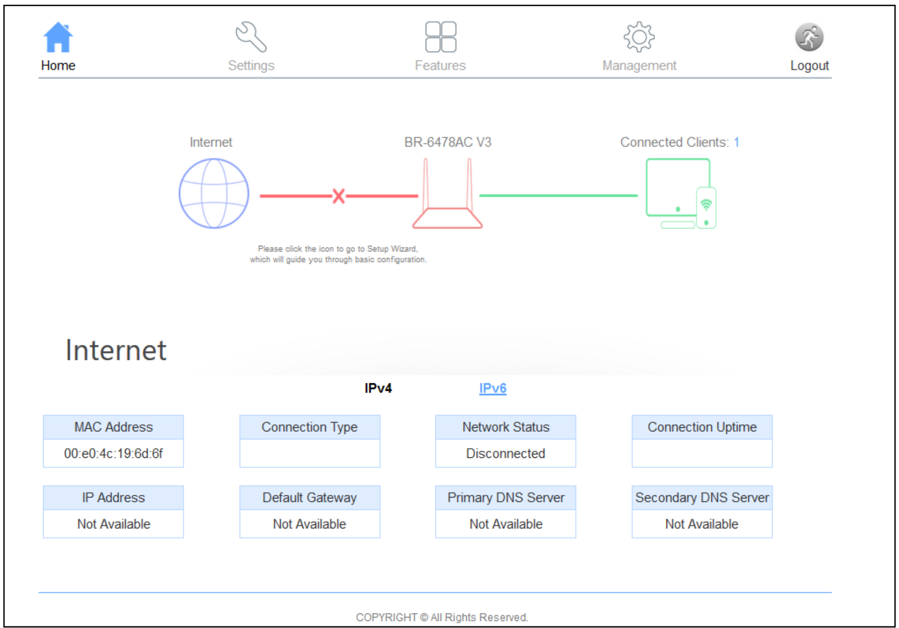
You will be prompted for a username and password. The default username is "**admin**" and the default password is "**1234**".



Model Name: BR-6478AC V3

Language: English

You will arrive at the "Home" screen shown below. Use the top menu to navigate and click on "Settings" to select one of the three operation modes. For more information, refer to the user manual.


Home
Settings
Features
Management
Logout
Internet
BR-6478AC V3
Connected Clients: 1
Please click the icon to go to Setup Wizard, which will guide you through basic configuration.
Internet
IPv4
IPv6
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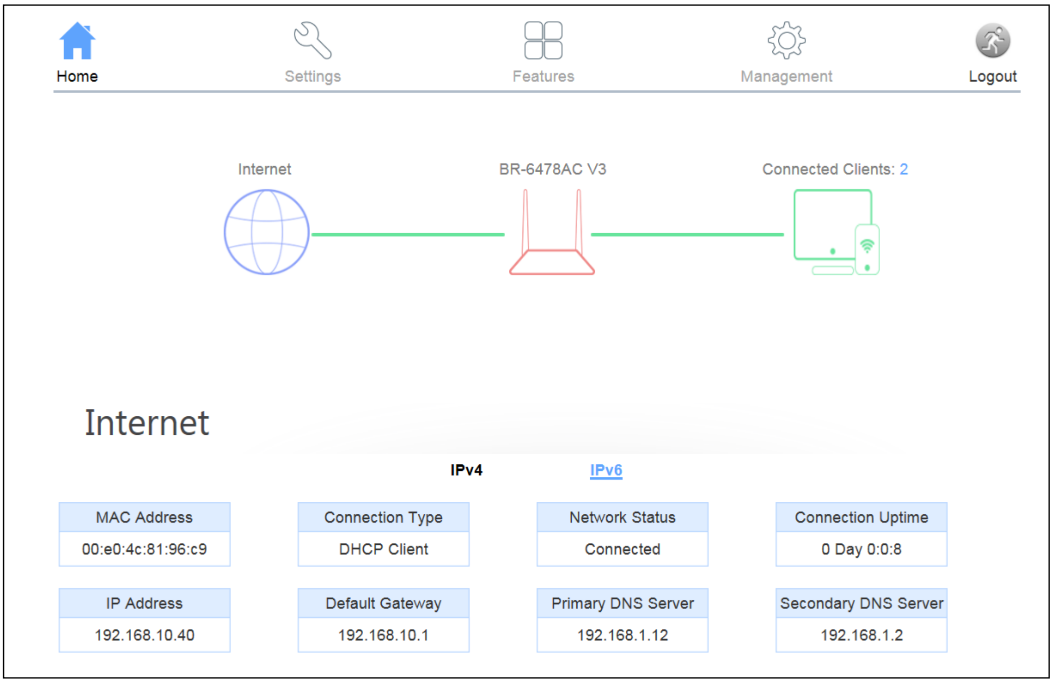
MAC Address	Connection Type	Network Status	Connection Uptime
00:e0:4c:19:6d:6f		Disconnected	
IP Address	Default Gateway	Primary DNS Server	Secondary DNS Server
Not Available	Not Available	Not Available	Not Available

III-1. Internet Status

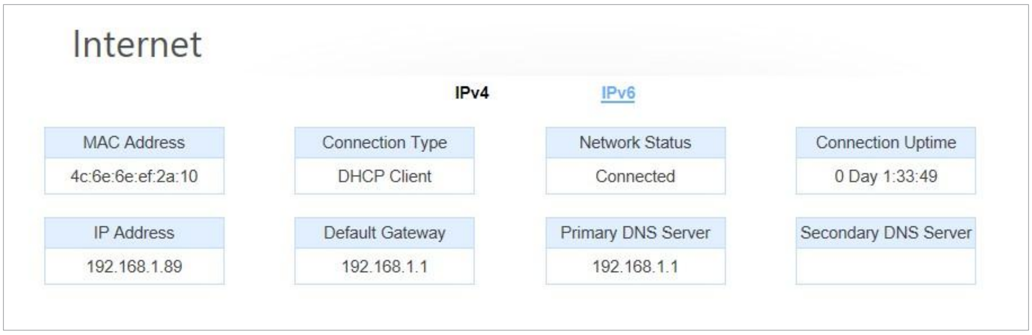
1. If you perform no operation within 2 minutes after your login, the router logs you out. In addition, click Logout on the upper right corner of the web UI also can log out.

2. Then Home page allows you to view the network status of the router, Wi-Fi information, online device and other status information



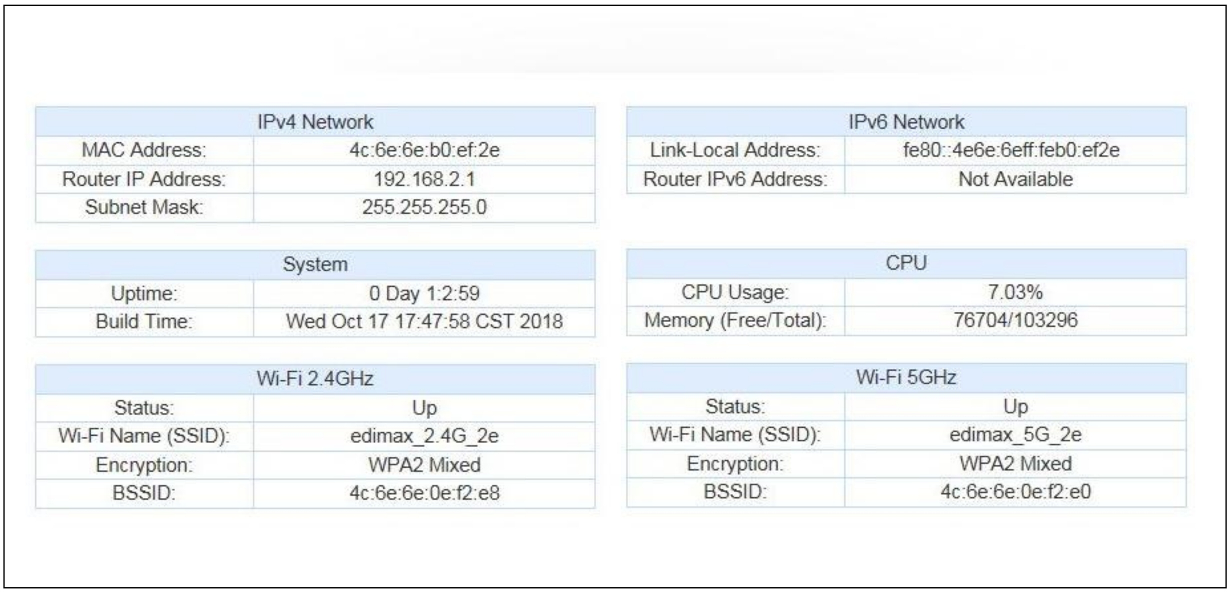
MAC Address	Connection Type	Network Status	Connection Uptime
00:e0:4c:81:96:c9	DHCP Client	Connected	0 Day 0:0:8
IP Address	Default Gateway	Primary DNS Server	Secondary DNS Server
192.168.10.40	192.168.10.1	192.168.1.12	192.168.1.2

3. Click 🌐 icon to view the internet information. On this page, you can view information about the Internet status of the router, including MAC Address, Connection Type, Network Status, Connection Uptime, IP Address, Default Gateway, Primary DNS Server and Secondary DNS Server.



MAC Address	Connection Type	Network Status	Connection Uptime
4c:6e:6e:ef:2a:10	DHCP Client	Connected	0 Day 1:33:49
IP Address	Default Gateway	Primary DNS Server	Secondary DNS Server
192.168.1.89	192.168.1.1	192.168.1.1	

4. Click icon to view the Wi-Fi information. You can view information about the current LAN and Wi-Fi status of the router.



IPv4 Network	
MAC Address:	4c:6e:6e:b0:ef:2e
Router IP Address:	192.168.2.1
Subnet Mask:	255.255.255.0

IPv6 Network	
Link-Local Address:	fe80::4e6e:6eff:feb0:ef2e
Router IPv6 Address:	Not Available

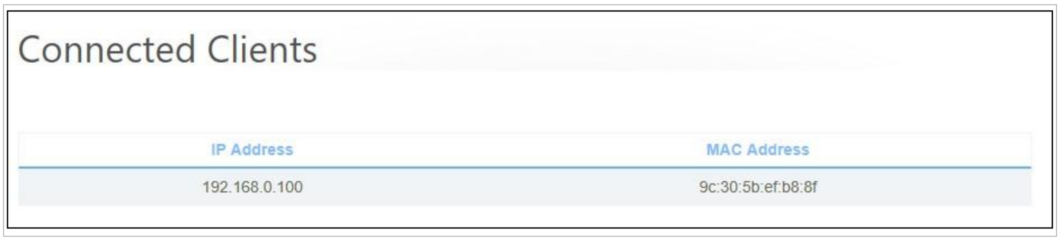
System	
Uptime:	0 Day 1:2:59
Build Time:	Wed Oct 17 17:47:58 CST 2018

CPU	
CPU Usage:	7.03%
Memory (Free/Total):	76704/103296

Wi-Fi 2.4GHz	
Status:	Up
Wi-Fi Name (SSID):	edimax_2.4G_2e
Encryption:	WPA2 Mixed
BSSID:	4c:6e:6e:0e:f2:e8

Wi-Fi 5GHz	
Status:	Up
Wi-Fi Name (SSID):	edimax_5G_2e
Encryption:	WPA2 Mixed
BSSID:	4c:6e:6e:0e:f2:e0

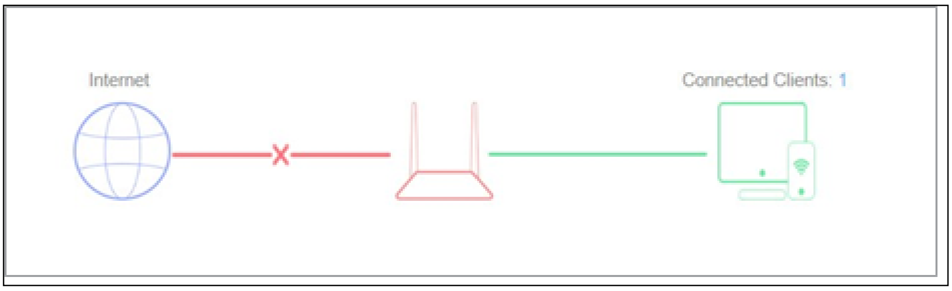
5. Click icon to view the information of online device(s).



Connected Clients

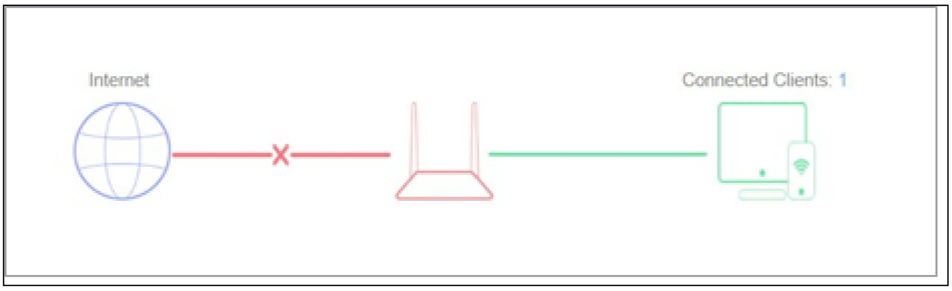
IP Address	MAC Address
192.168.0.100	9c:30:5b:ef:b8:8f

6. When status below is displayed, it means the internet connection is unsuccessful. Please check the WAN connection.

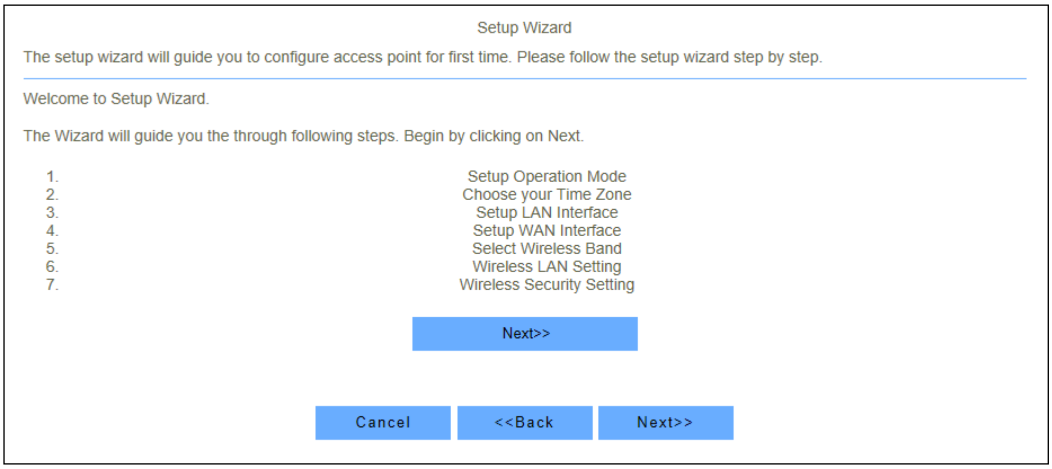


III-2. Wizard Setup

1. In the absence of an external network, after entering the user name and password to login to the Web UI, it appears the following interface.



2. Click the red "X", the Wizard Setup page screen appears as below.



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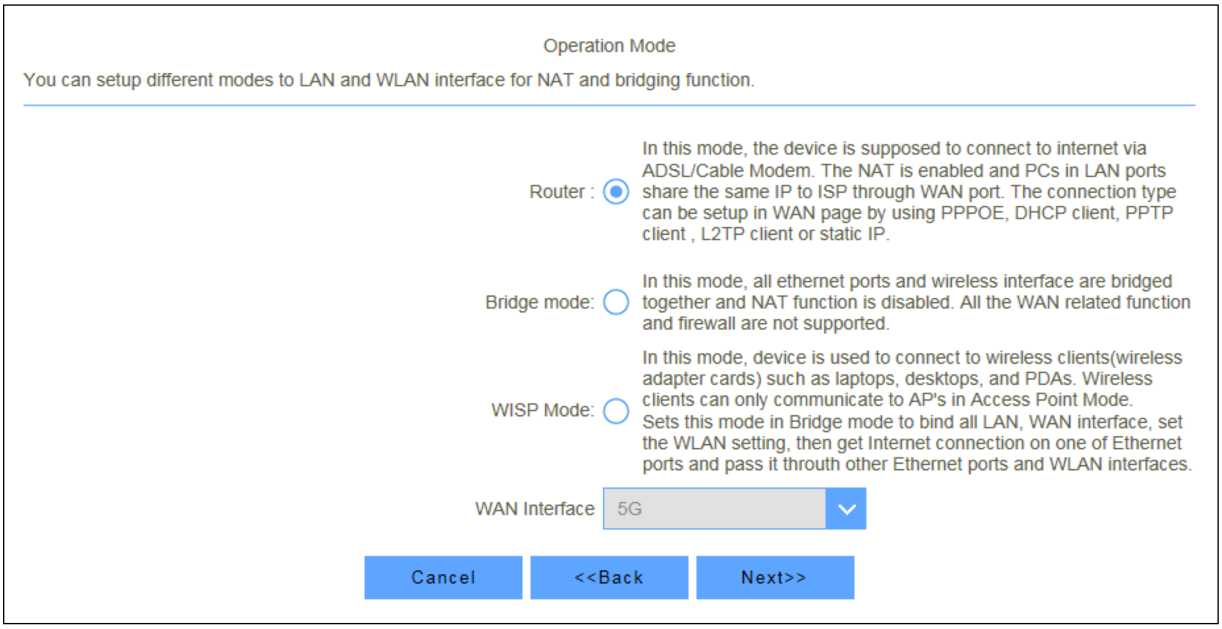
1. Setup Operation Mode
2. Choose your Time Zone
3. Setup LAN Interface
4. Setup WAN Interface
5. Select Wireless Band
6. Wireless LAN Setting
7. Wireless Security Setting

3. Click **Next** and you can configure the router Operation Mode.



Operation Mode

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

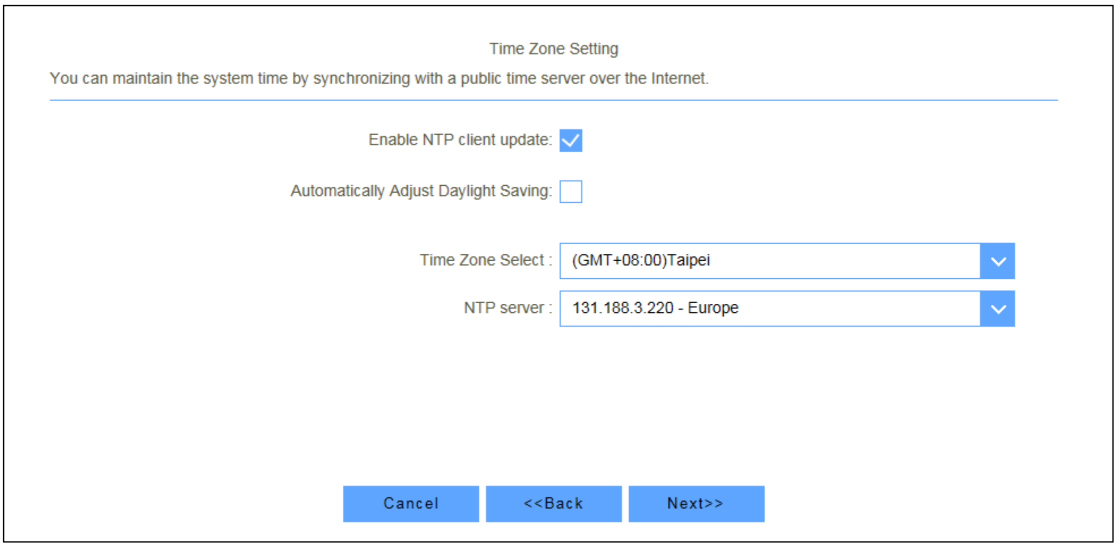
Router : ● In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client , L2TP client or static IP.

Bridge mode: ○ 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.

WISP Mode: ○ In this mode, device is used to connect to wireless clients(wireless adapter cards) such as laptops, desktops, and PDAs. Wireless clients can only communicate to AP's in Access Point Mode. Sets this mode in Bridge mode to bind all LAN, WAN interface, set the WLAN setting, then get Internet connection on one of Ethernet ports and pass it throuth other Ethernet ports and WLAN interfaces.

WAN Interface 5G

4. Click **Next** to configure Time Zone Setting.



Time Zone Setting

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

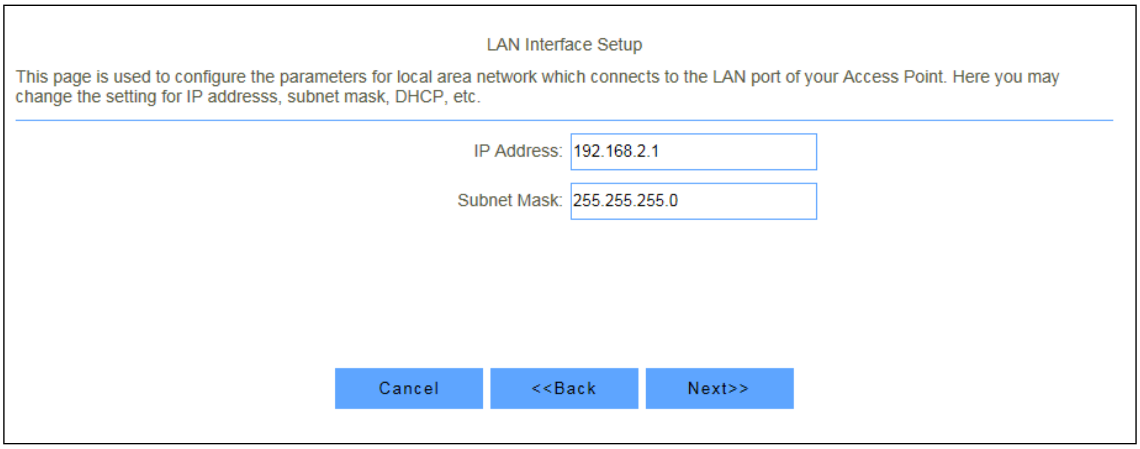
Enable NTP client update: ☑

Automatically Adjust Daylight Saving: □

Time Zone Select : (GMT+08:00)Taipei

NTP server : 131.188.3.220 - Europe

5. Click **Next** and you can configure the LAN Interface Setup. 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 mask, DHCP, etc.



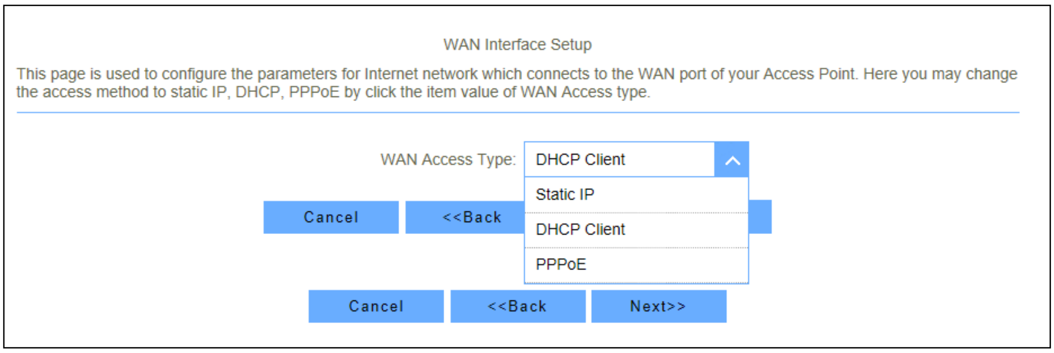
LAN Interface Setup

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 addresss, subnet mask, DHCP, etc.

IP Address: 192.168.2.1

Subnet Mask: 255.255.255.0

6. Click **Next** and you can configure the WAN Interface Setup. This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

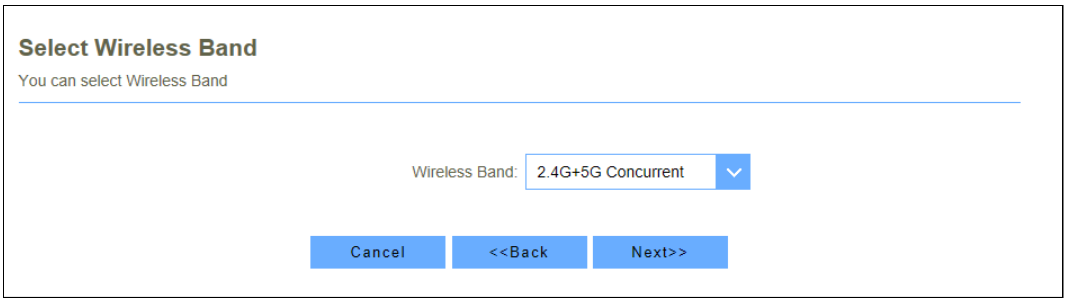


WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

WAN Access Type: DHCP Client

7. Click **Next** and then the following page will pops up. Generally, the default selection is ok.

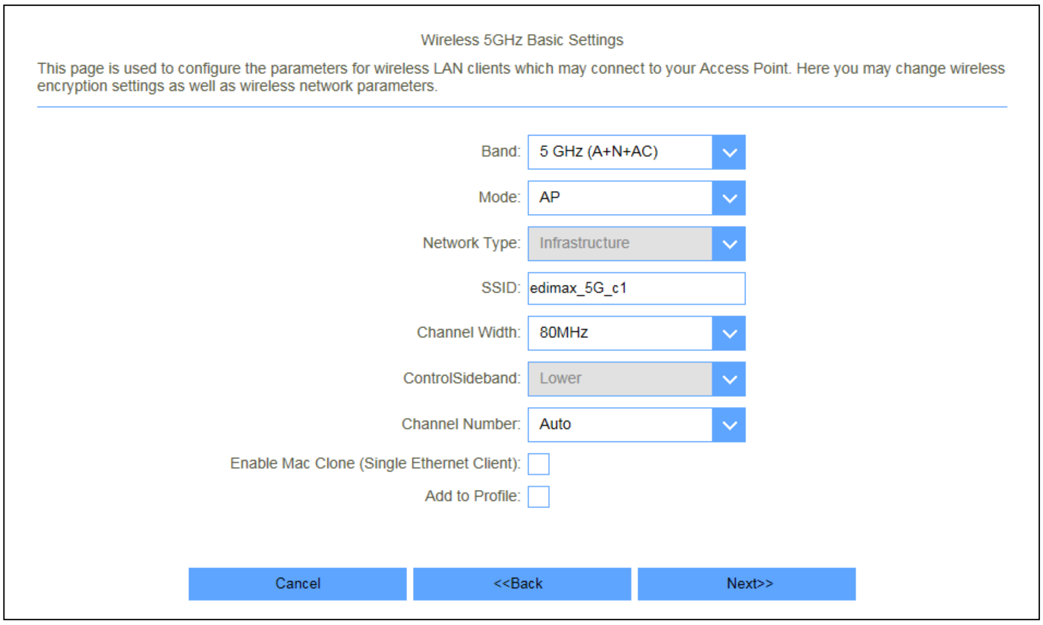


Select Wireless Band

You can select Wireless Band

Wireless Band: 2.4G+5G Concurrent

8. Click **Next** and configure the 5 GHz wireless network parameters.



Wireless 5GHz 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.

Band: 5 GHz (A+N+AC)

Mode: AP

Network Type: Infrastructure

SSID: edimax_5G_c1

Channel Width: 80MHz

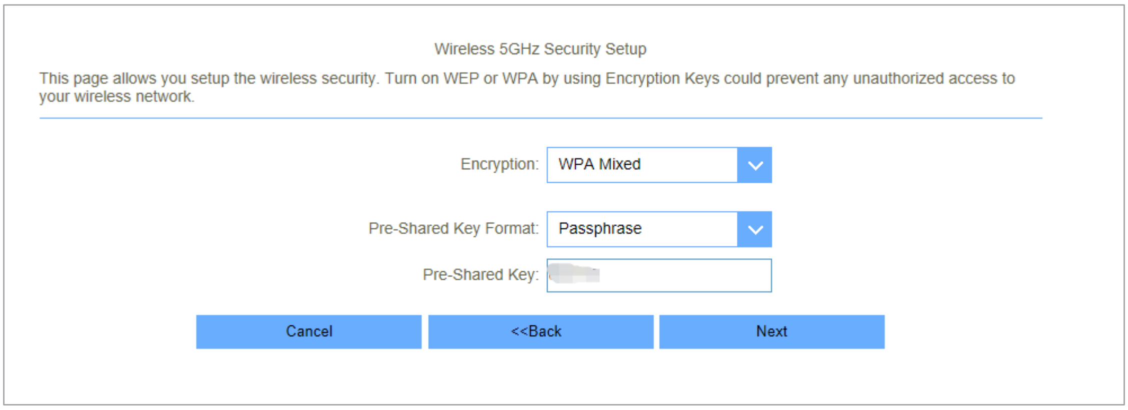
ControlSideband: Lower

Channel Number: Auto

Enable Mac Clone (Single Ethernet Client): □

Add to Profile: □

9. Click **Next** and configure the 5 GHz wireless security. It should be set up at least 8 characters.



Wireless 5GHz Security Setup

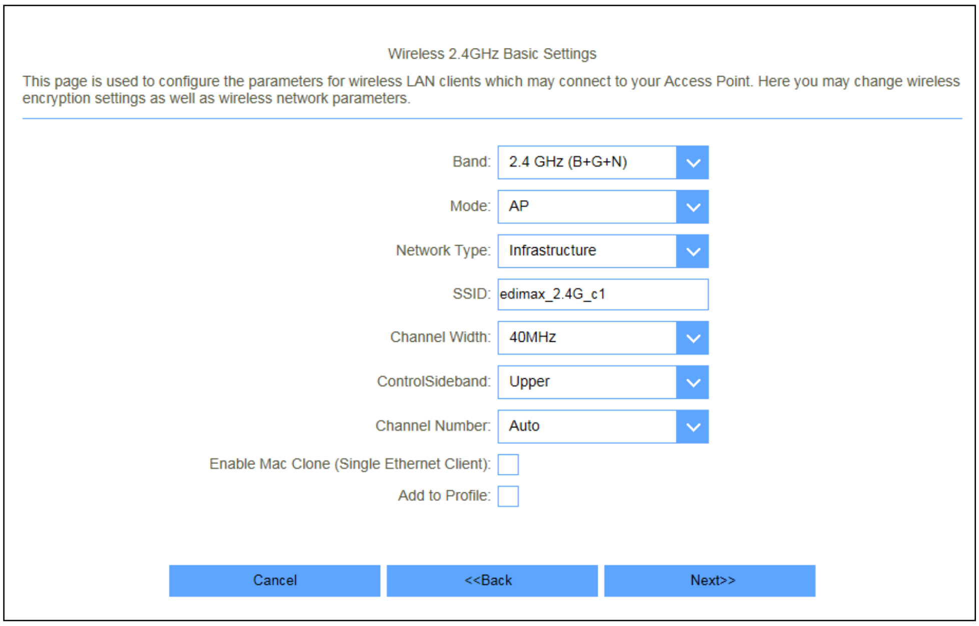
This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

Encryption: WPA Mixed

Pre-Shared Key Format: Passphrase

Pre-Shared Key:

10. Click **Next** and configure the 2.4GHz wireless network parameters.



Wireless 2.4GHz 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.

Band: 2.4 GHz (B+G+N)

Mode: AP

Network Type: Infrastructure

SSID: edimax_2.4G_c1

Channel Width: 40MHz

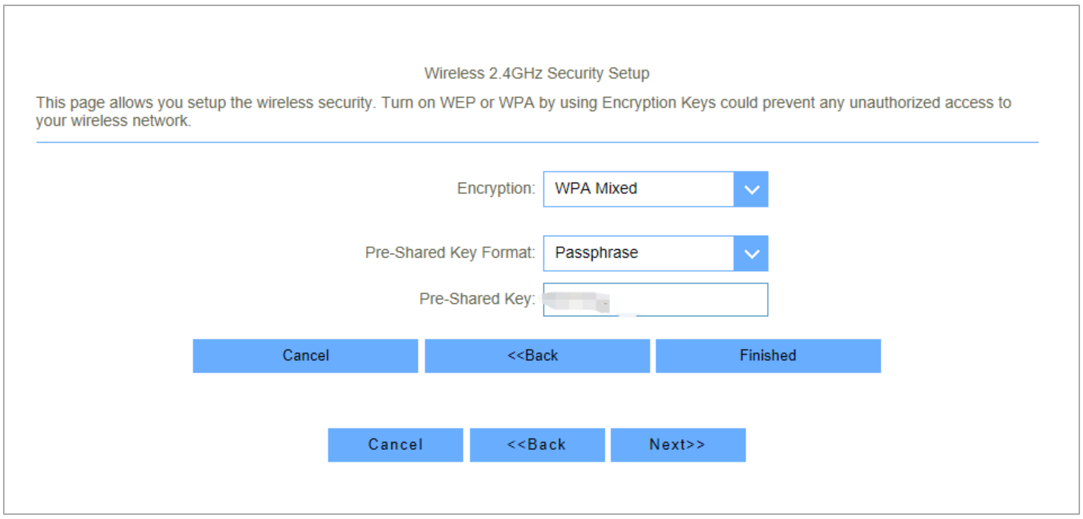
ControlSideband: Upper

Channel Number: Auto

Enable Mac Clone (Single Ethernet Client): □

Add to Profile: □

11. Click **Next** and configure the 2.4GHz wireless security. It should be set up at least 8 characters. And then click Finish.



Wireless 2.4GHz Security Setup

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.

Encryption: WPA Mixed

Pre-Shared Key Format: Passphrase

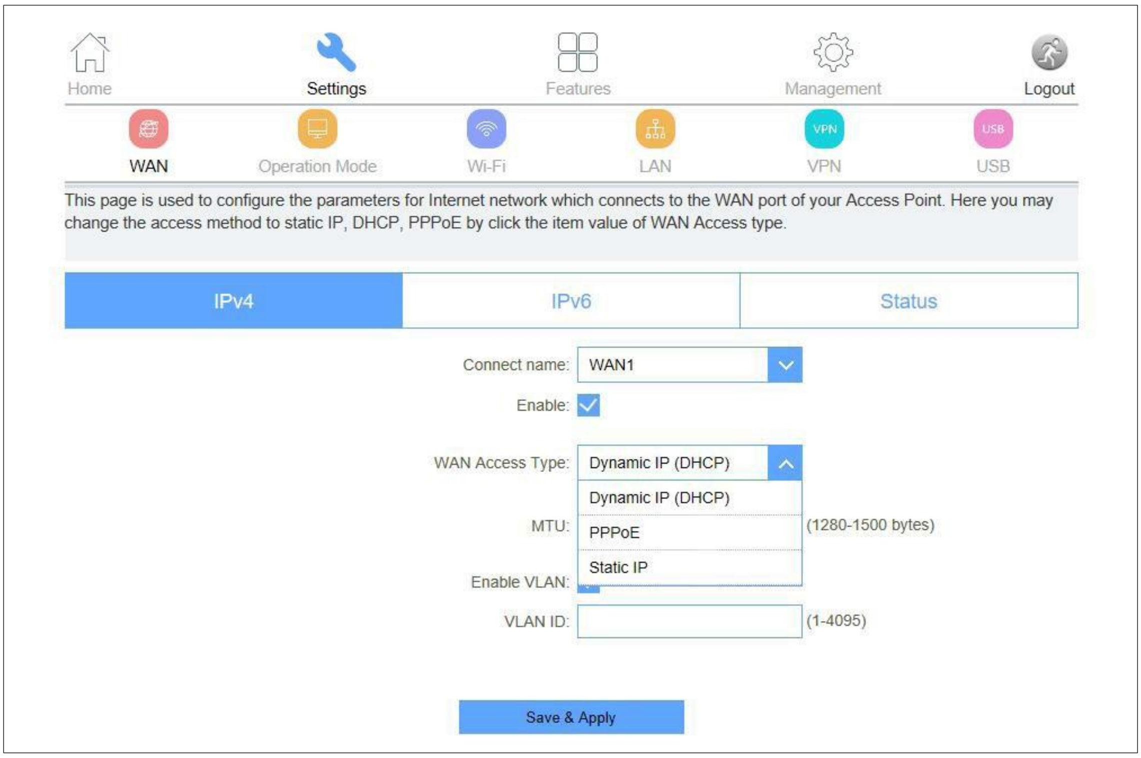
Pre-Shared Key:

Users can select whether to set 5 GHz and 2.4GHz wireless security simultaneously according to their own demands.

III-3. WAN

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Generally, the router detects your internet connection type automatically when you use the router for the first time or after you reset the router.

There are three WAN Connection type can be use, each WAN Connection type can be configured as difference mode, such as Dynamic IP (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. The following table may help you understand your internet connection type. If you are still uncertain about your internet connection type, consult your ISP.



This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP, PPPoE by click the item value of WAN Access type.

Connect name: WAN1

Enable: ☑

WAN Access Type: Dynamic IP (DHCP)

Dynamic IP (DHCP)
PPPoE
Static IP

MTU: (1280-1500 bytes)

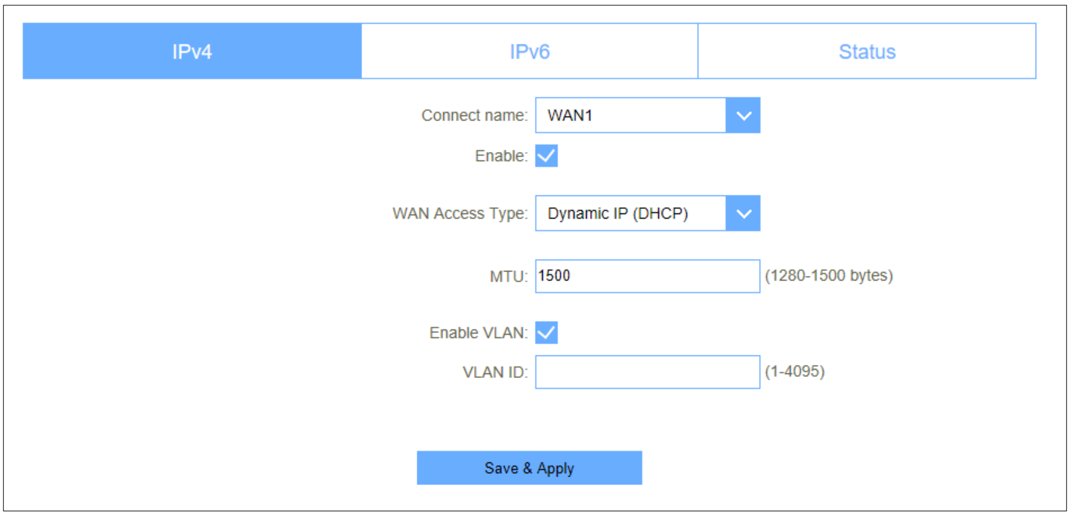
Enable VLAN:

VLAN ID: (1-4095)

Dynamic IP (DHCP)	Your ISP does not provide ISP user name, password or other information about IP address.
PPPoE	ISP user name and password are provided by your ISP
Static IP	Your ISP provides IP address, subnet mask, default gateway, DNS server(s).

III-3-1. Dynamic IP (DHCP)

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



Connect name: WAN1

Enable: ☑

WAN Access Type: Dynamic IP (DHCP)

MTU: 1500 (1280-1500 bytes)

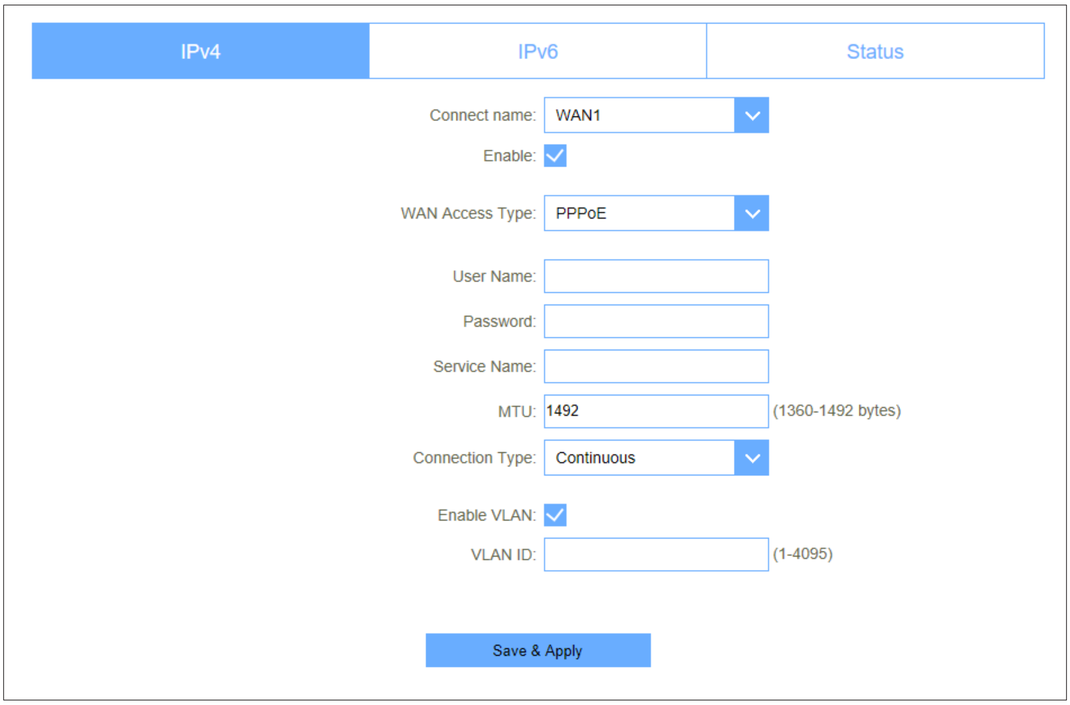
Enable VLAN: ☑

VLAN ID: (1-4095)

MTU	You can keep the maximum transmission unit (MTU) as default.
VLAN ID	Enter the VLAN ID value provided by your ISP

III-3-2. PPPoE

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



Connect name: WAN1

Enable: ☑

WAN Access Type: PPPoE

User Name:

Password:

Service Name:

MTU: 1492 (1360-1492 bytes)

Connection Type: Continuous

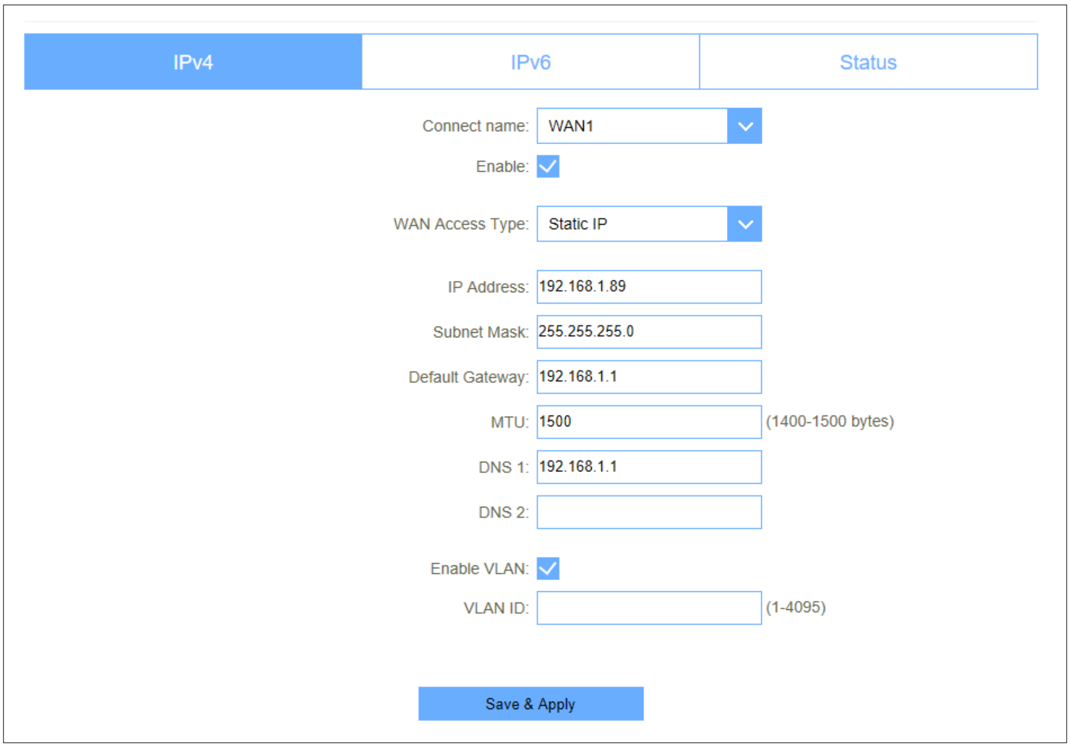
Enable VLAN: ☑

VLAN ID: (1-4095)

Username	Enter the User Name provided by your ISP
Password	Enter the password provided by your ISP
Service Name	Type the name of this router
MTU	You can keep the maximum transmission unit (MTU) as default.
VLAN ID	Enter the VLAN ID value provided by your ISP

III-3-3. Static IP

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.



Connect name: WAN1

Enable: ☑

WAN Access Type: Static IP

IP Address: 192.168.1.89

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

MTU: 1500 (1400-1500 bytes)

DNS 1: 192.168.1.1

DNS 2:

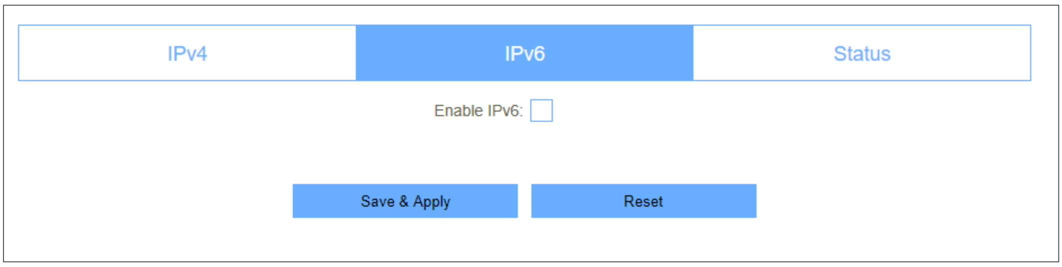
Enable VLAN: ☑

VLAN ID: (1-4095)

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 WAN Gateway address provided by your ISP.
DNS 2	Enter the other DNS address if your ISP provides you with 2 such
MTU	You can keep the maximum transmission unit (MTU) as default.

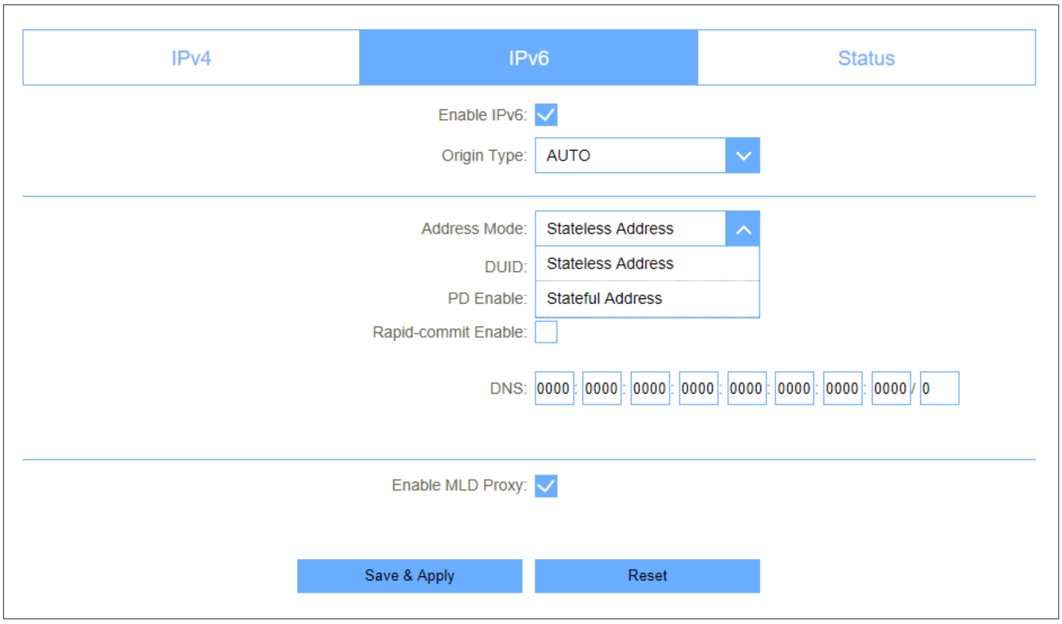
III-3-4. IPv6

If necessary to enable IPv6, please check the box below.



Enable IPv6: □

And according to your actual situation to set the parameters below. In general, your ISP will set these if necessary.



Enable IPv6: ☑

Origin Type: AUTO

Address Mode: Stateless Address

DUID:

PD Enable:

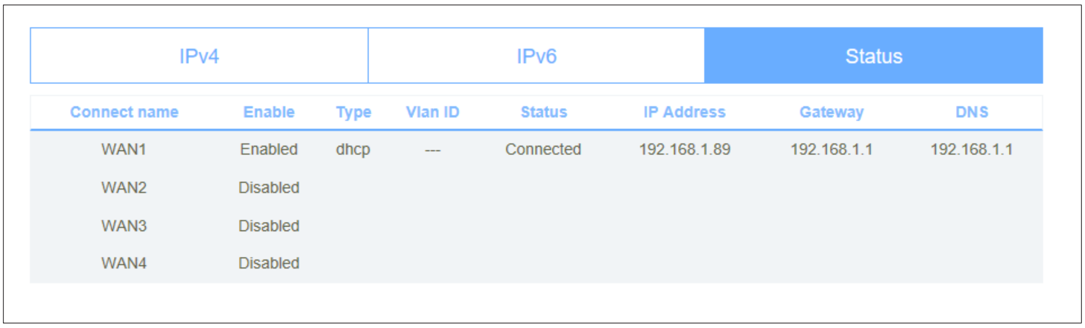
Rapid-commit Enable: □

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

Enable MLD Proxy: ☑

III-3-5. Status

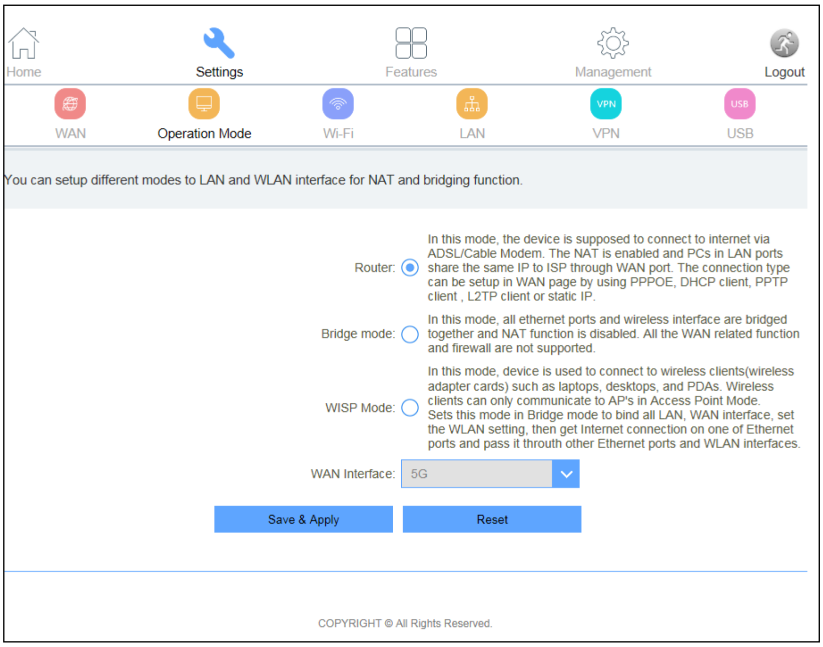
This page will show all the status of the wan connections.



Connect name	Enable	Type	Vlan ID	Status	IP Address	Gateway	DNS
WAN1	Enabled	dhcp	---	Connected	192.168.1.89	192.168.1.1	192.168.1.1
WAN2	Disabled						
WAN3	Disabled						
WAN4	Disabled						

III-4. Operation Mode

Go to Settings > Operation Mode. If necessary, you can setup different modes.



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

Router: ● 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, PPTP client , L2TP client or static IP.

Bridge mode: ○ 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.

WISP Mode: ○ In this mode, device is used to connect to wireless clients(wireless adapter cards) such as laptops, desktops, and PDAs. Wireless clients can only communicate to AP's in Access Point Mode. Sets this mode in Bridge mode to bind all LAN, WAN interface, set the WLAN setting, then get Internet connection on one of Ethernet ports and pass it throuth other Ethernet ports and WLAN interfaces.

WAN Interface: 5G

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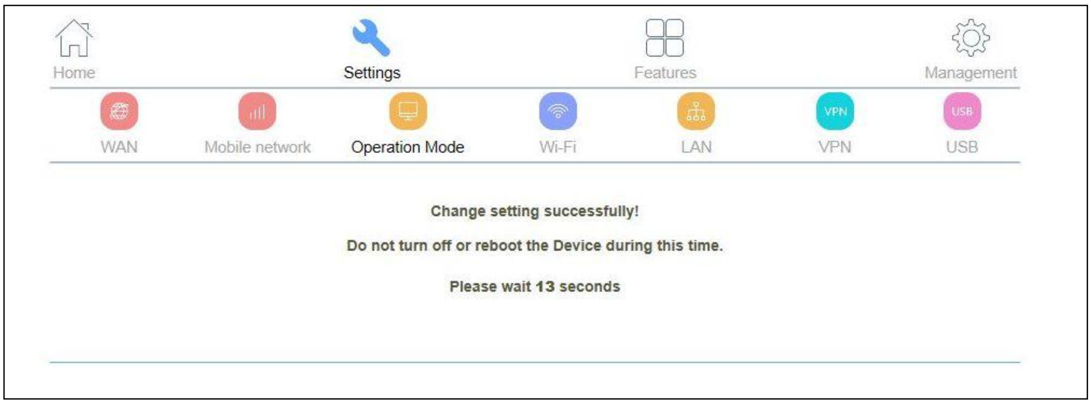
Select the desired operation mode and click “Save& Apply”. Please wait for a moment for the change to take effect.



Change setting successfully!

Do not turn off or reboot the Device during this time.

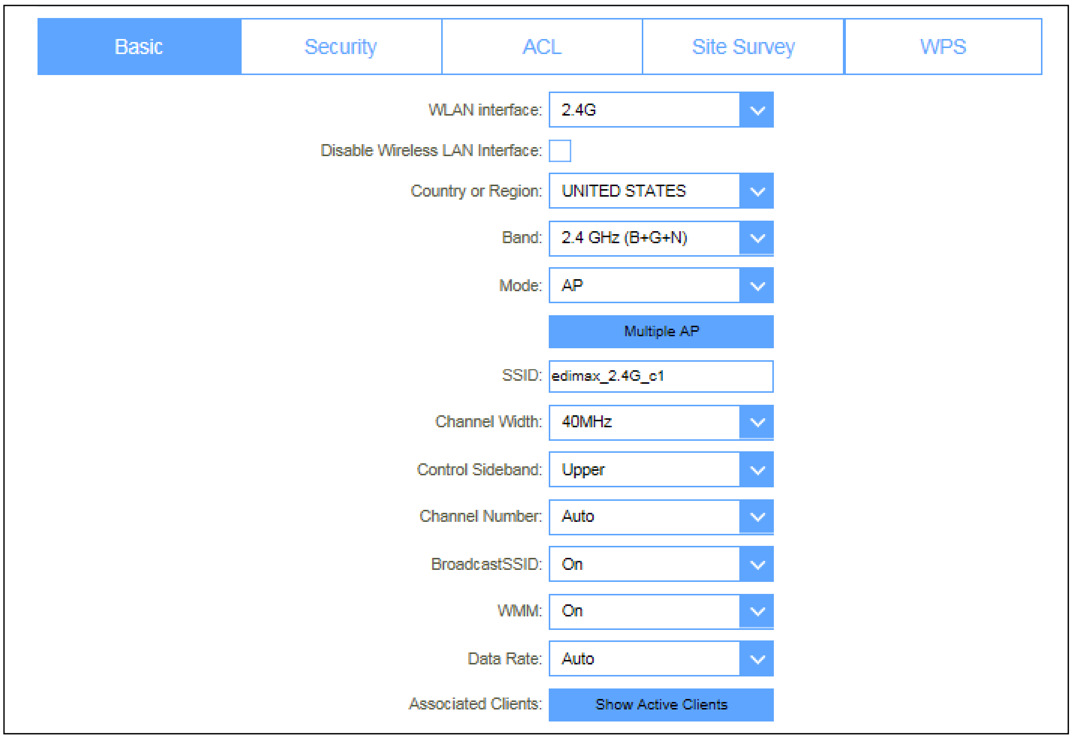
Please wait 13 seconds

III-5. Wi-Fi

Go to Settings > WiFi. This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change 2.4G or 5G wireless encryption settings as well as other wireless network parameters.

III-5-1. Basic

Go to WiFi > Basic. This page is used to configure or check the basic parameters for wireless LAN clients which may connect to your Access Point.



WLAN interface: 2.4G

Disable Wireless LAN Interface: □

Country or Region: UNITED STATES

Band: 2.4 GHz (B+G+N)

Mode: AP

SSID: edimax_2.4G_c1

Channel Width: 40MHz

Control Sideband: Upper

Channel Number: Auto

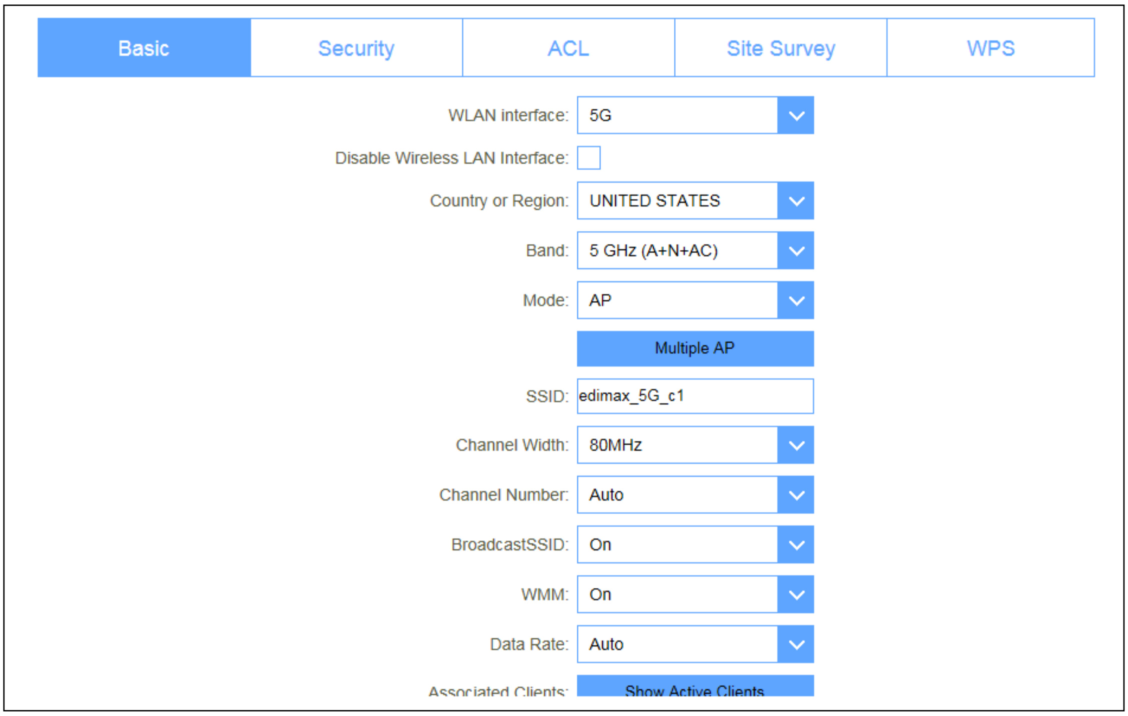
BroadcastSSID: On

WMM: On

Data Rate: Auto

Associated Clients: Show Active Clients

2.4GHz Wi-Fi Basic Settings



WLAN interface: 5G

Disable Wireless LAN Interface: □

Country or Region: UNITED STATES

Band: 5 GHz (A+N+AC)

Mode: AP

SSID: edimax_5G_c1

Channel Width: 80MHz

Channel Number: Auto

BroadcastSSID: On

WMM: On

Data Rate: Auto

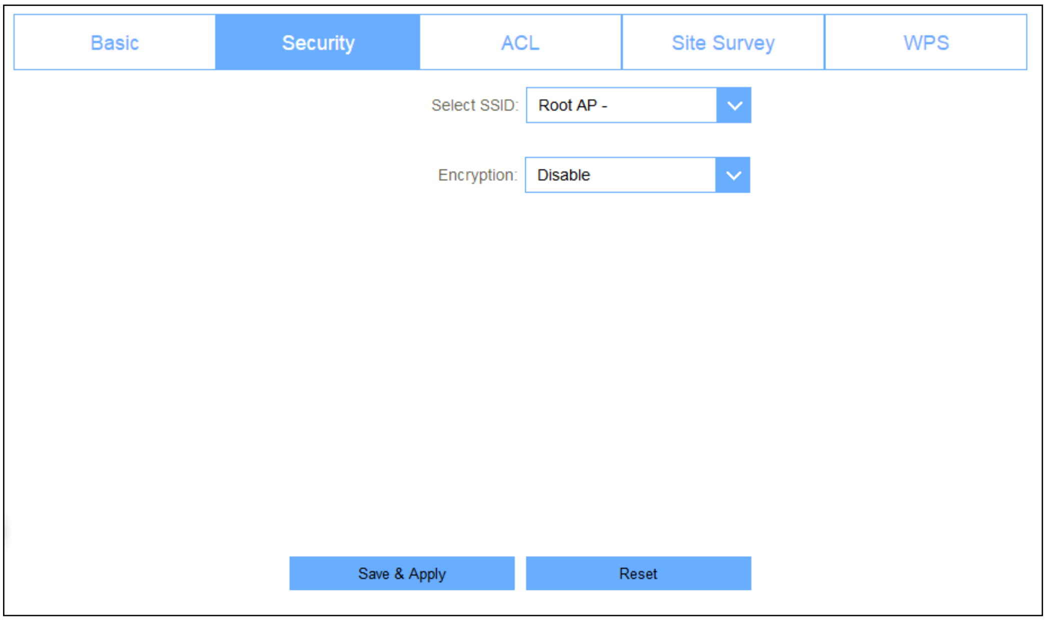
Associated Clients:

5GHz Wi-Fi Basic Settings

WAN interface	Select 2.4G to set parameters	
Country or Region	Check whether the name accords with your region	
Band	Select 2.4 GHz (B+G+N) or 5 GHz (A+N+AC)	
Mode	WLAN working mode, such AP, client, WDS and AP+ WDS	AP: this is the default mode that can be used as a routing pattern. The default is usually enough
		Client: be used as a wireless network card
		WDS: Wireless Bridge
		AP+WDS: routing + Wireless Bridge mode
Multiple AP	You can set guest SSID from this button	
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. Default: edimax_2.4G_XXXX or edimax_5 G_XXXX. (“X” means the last 4 digits of the MAC address.)	

III-5-2. Security

Go to WiFi > Security. This page allows you setup the wireless security. Using Encryption Keys could prevent any unauthorized access to your wireless network.

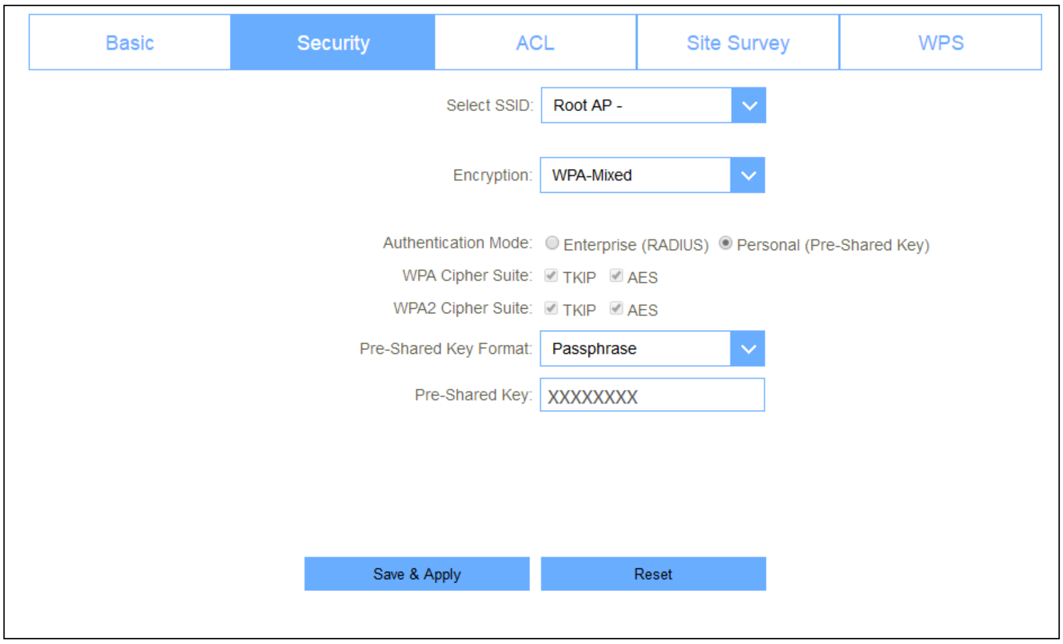


Select SSID: Root AP -

Encryption: Disable

It's worth mentioning that the default encryption is disabled. Select the security mode from the Encryption drop-down list. There are 4 options in the Security Mode drop-down list: Disable, WEP, WPA2, WPA- Mixed.

We strongly recommend you to set up WPA-Mixed encryption and enter 8 characters as the password for your wireless network.



Select SSID: Root AP -

Encryption: WPA-Mixed

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

WPA Cipher Suite: ☑ TKIP ☑ AES

WPA2 Cipher Suite: ☑ TKIP ☑ AES

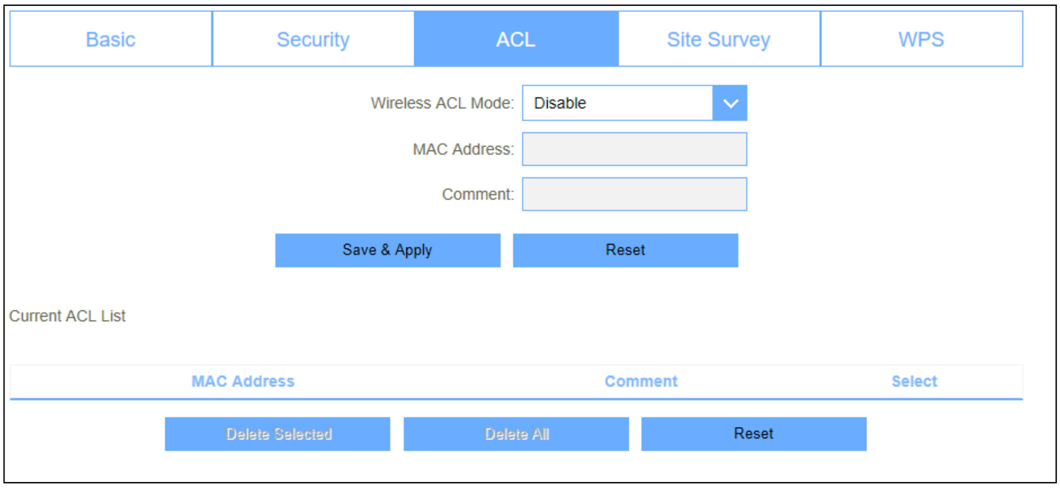
Pre-Shared Key Format: Passphrase

Pre-Shared Key: XXXXXXXX

III-5-3. ACL

Go to WiFi > ACL. There are 3 options in the Wireless ACL Mode drop-down list: Disable, Allowed Listed, Deny Listed. If you choose 'Allowed Listed', and enter the MAC Address, 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.



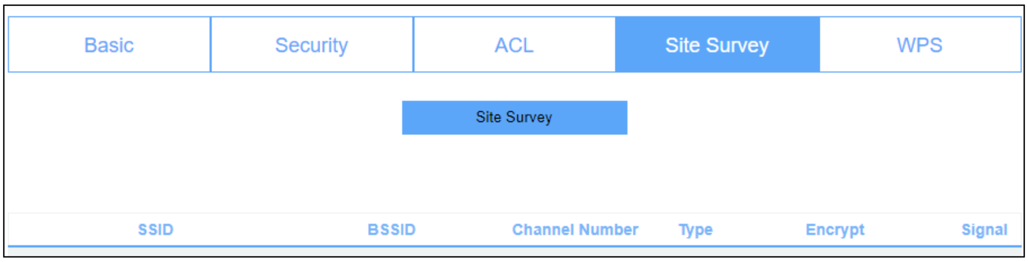
Wireless ACL Mode: Disable
MAC Address:
Comment:

Current ACL List

MAC Address	Comment	Select

III-5-4. Site Survey

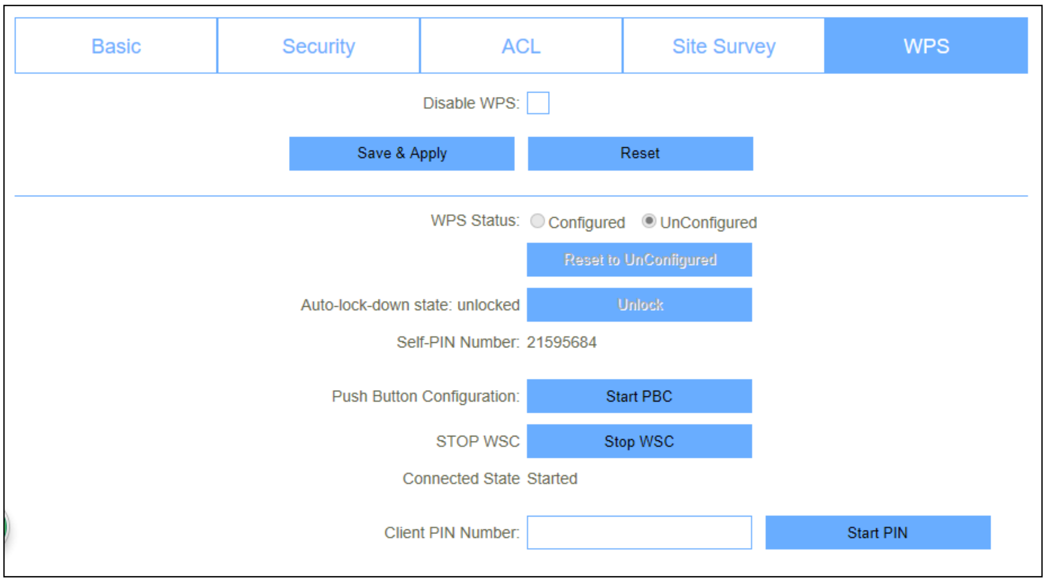
This page provides tool to scan the wireless network. If any Access Point or IBSS is found, you could choose to connect it manually when client mode is enabled.



SSID	BSSID	Channel Number	Type	Encrypt	Signal

III-5-5. WPS

This page allows you to change the settings 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: □

WPS Status: ○ Configured ● UnConfigured

Auto-lock-down state: unlocked

Self-PIN Number: 21595684

Push Button Configuration:

STOP WSC

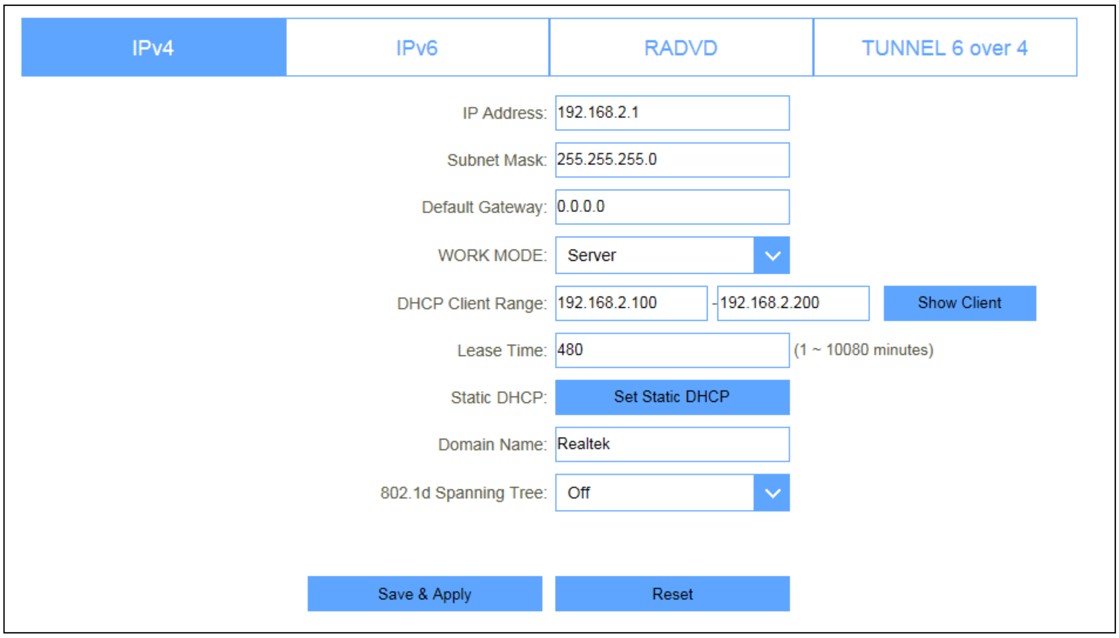
Connected State Started

Client PIN Number:

III-6. LAN

III-6-1. IPv4

Go to Settings > LAN > IPv4. 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 mask, DHCP, etc.



IP Address: 192.168.2.1

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

WORK MODE: Server

DHCP Client Range: 192.168.2.100 - 192.168.2.200

Lease Time: 480 (1 ~ 10080 minutes)

Static DHCP:

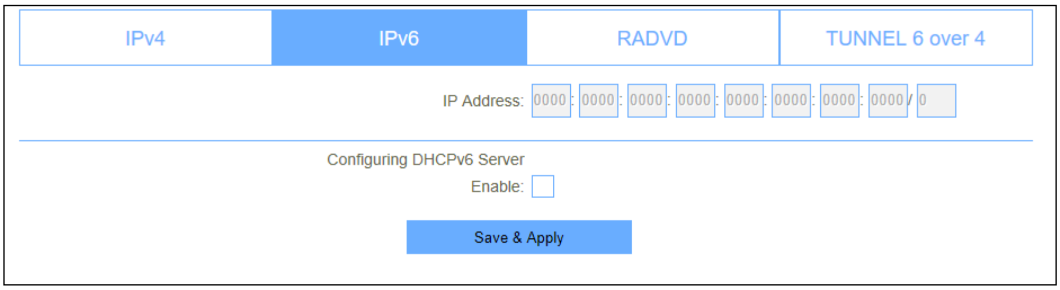
Domain Name: Realtek

802.1d Spanning Tree: Off

LAN IP Address	Router's LAN IP. The default is 192.168.1.254. 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 server
802.1d Spanning Tree	Enable or disable spanning tree function

III-6-2. IPv6

Go to Settings > LAN > IPv6. This page shows the information of IPv6.



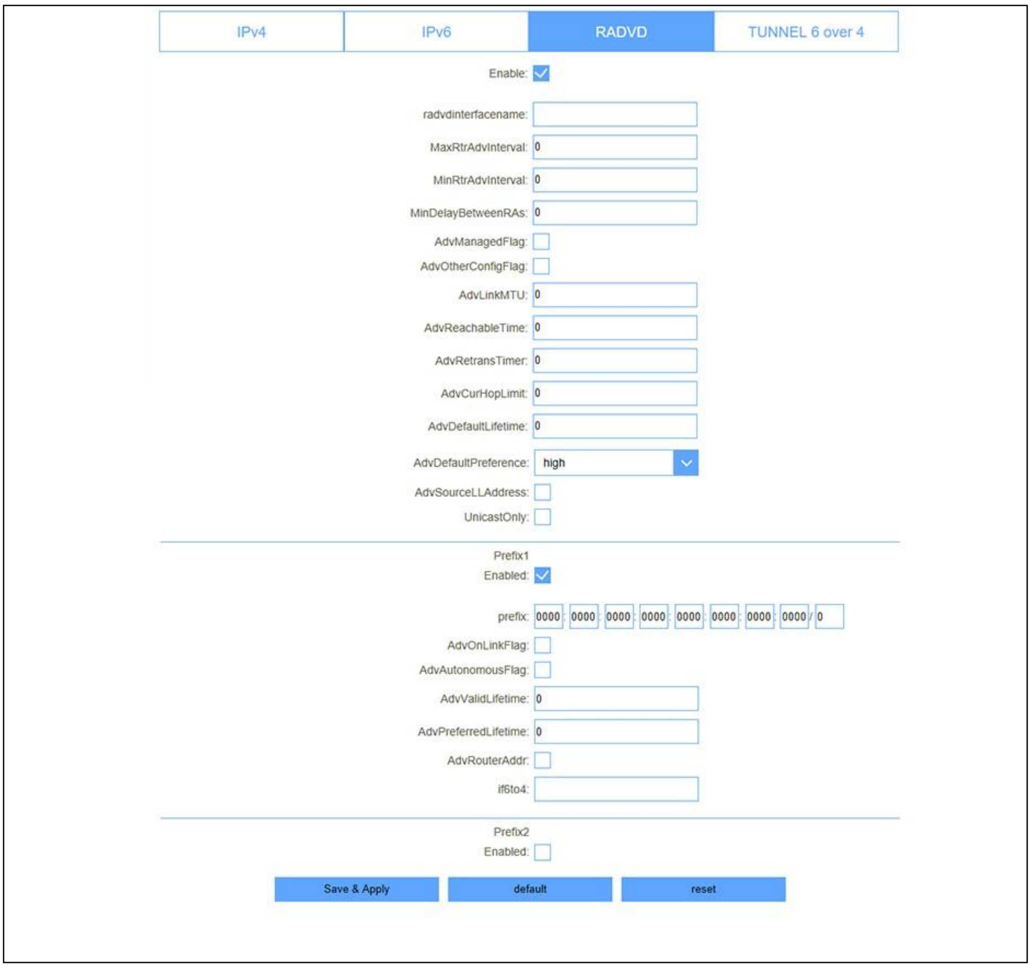
IP Address: 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 / 0

Configuring DHCPv6 Server

Enable: □

III-6-3. RADVD

Go to Settings > LAN > RADVD. This page shows the information of RADVD.



Enable: ☑

radvdinterfacename:

MaxRtrAdvInterval: 0

MinRtrAdvInterval: 0

MinDelayBetweenRAs: 0

AdvManagedFlag: □

AdvOtherConfigFlag: □

AdvLinkMTU: 0

AdvReachableTime: 0

AdvRetransTimer: 0

AdvCurHopLimit: 0

AdvDefaultLifetime: 0

AdvDefaultPreference: high

AdvSourceLLAddress: □

UnicastOnly: □

Prefix1

Enabled: ☑

prefix: 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 / 0

AdvOnLinkFlag: □

AdvAutonomousFlag: □

AdvValidLifetime: 0

AdvPreferredLifetime: 0

AdvRouterAddr: □

if6to4:

Prefix2

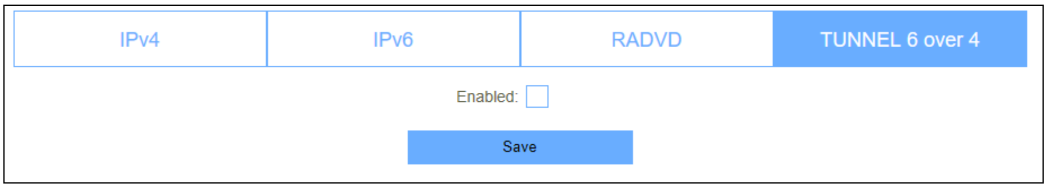
Enabled: □

radvdinterfacename	Enter the interface name.
MaxRtrAdvInterval	Enter the max retry advertisement interval.
MinRtrAdvInterval	Enter the min retry advertisement interval.
MinDelayBetweenRAs	Enter the min delay between router advertisements.

AdvManagedFlag	Enable or disable the advertisement managed
AdvOtherConfigFlag	Enable or disable the advertisement other
AdvLinkMTU	Enter the advertisement link MTU.
AdvReachableTime	Enter the advertisement reachable time.
AdvRetransTimer	Enter the advertisement retrains timer.
AdvCurHopLimit	Enter the advertisement current hop limit
AdvDefaultLifetime	Enter the advertisement default life time.
AdvDefaultPreference	Select from “high”, “medium” or “low” for
AdvSourceLLAddress	Enable or disable advertisement source link
UnicastOnly	Enable or disable unicast only.
Prefix1 Enabled	Enable or disable prefix.
prefix	Enter the prefix and prefix length.
AdvOnLinkFlag	Enable or disable advertisement on link flag.
AdvAutonomousFlag	Enable or disable advertisement autonomous
AdvValidLifetime	Enter advertisement valid life time.
AdvPreferredLifetime	Enter advertisement preferred life time.
AdvRouterAddr	Enable or disable advertisement router
If6to4	Enter the interface 6to4.

III-6-4. TUNNEL 6 over 4

Go to Settings > LAN > TUNNEL 6 over 4. This page is used for enable or disable Tunnel (6to4).



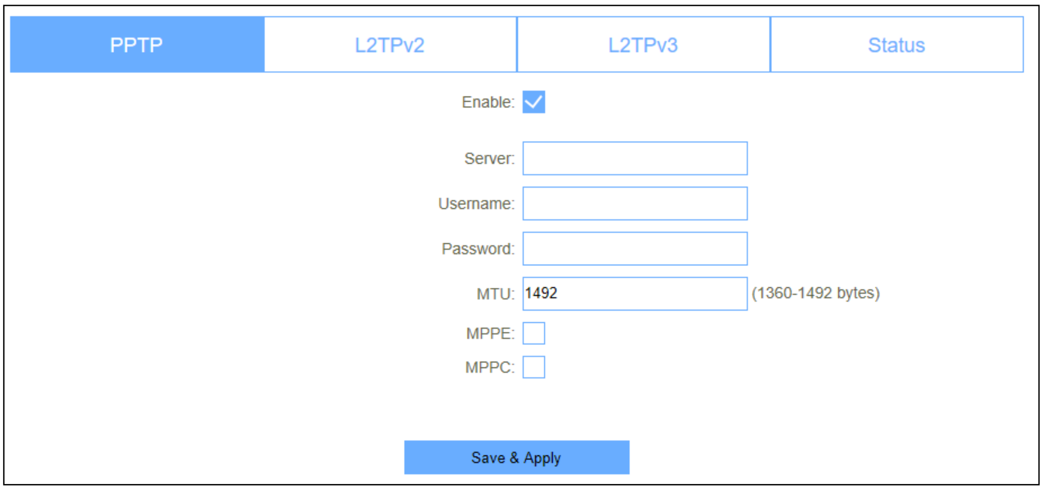
Enabled: □

III-7. VPN

Virtual Private Network （VPN） is the extension of enterprise Intranet. The virtual private network can help remote users, corporate branches, business partners and suppliers establish reliable and secure connections and ensure the security transmission of data. When you are on a business trip and need access to company data. To be secure, you need to connect to a VPN tunnel to establish communications.

III-7-1. PPTP

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



Enable: ☑

Server:

Username:

Password:

MTU: 1492 (1360-1492 bytes)

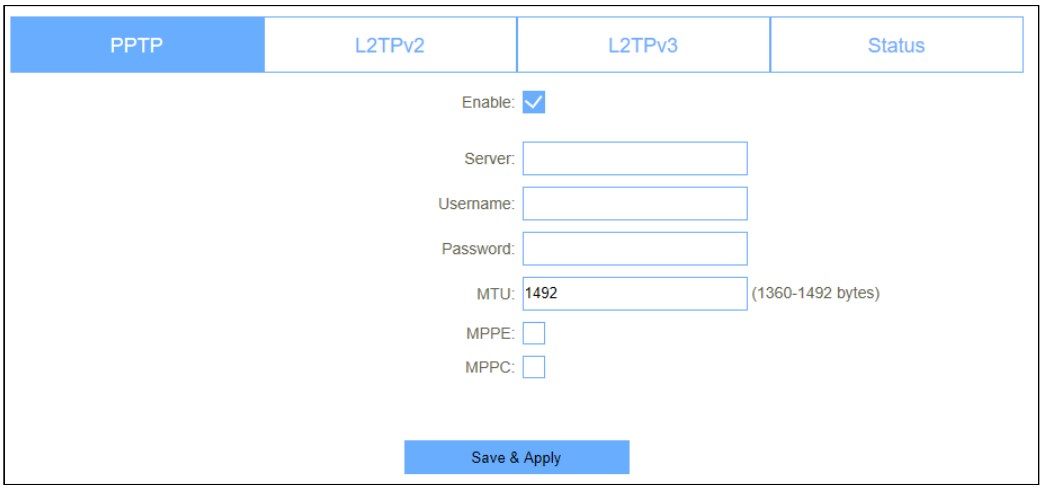
MPPE: □

MPPC: □

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)

III-7-2. L2TPv2

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



Enable: ☑

Server:

Username:

Password:

MTU: 1492 (1360-1492 bytes)

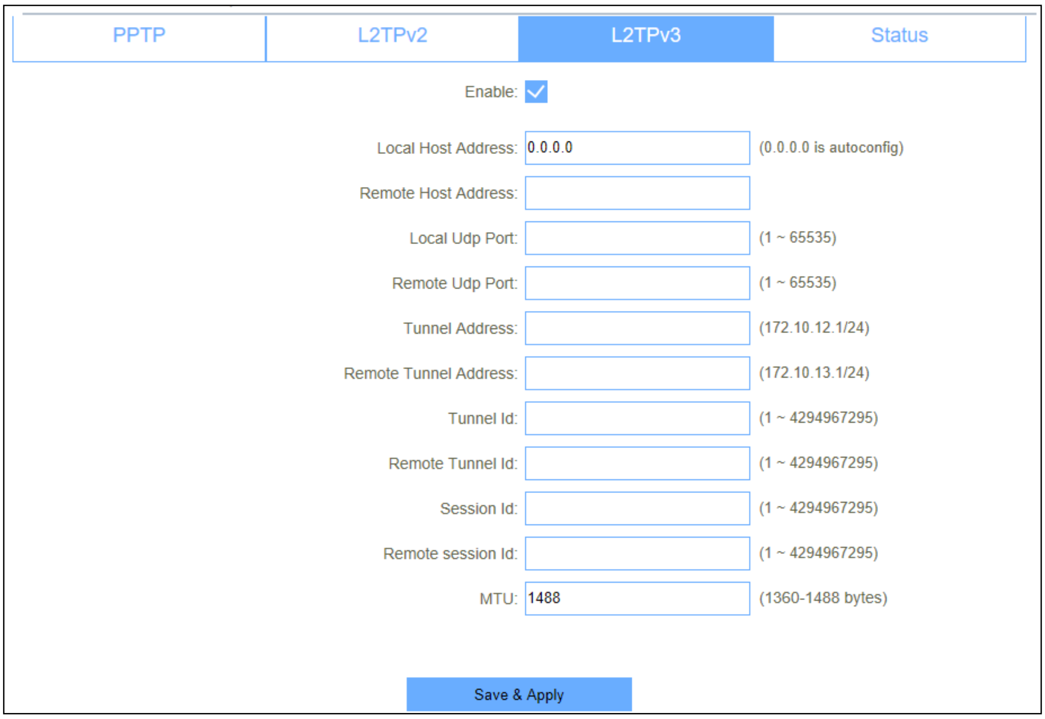
MPPE: □

MPPC: □

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.

III-7-3. L2TPv3

Go to Settings > VPN > L2TPv3. This page is used to configure the parameters for Internet network which connects to peer by L2TPv3.



Enable: ☑

Local Host Address: 0.0.0.0 (0.0.0.0 is autoconfig)

Remote Host Address:

Local Udp Port: (1 ~ 65535)

Remote Udp Port: (1 ~ 65535)

Tunnel Address: (172.10.12.1/24)

Remote Tunnel Address: (172.10.13.1/24)

Tunnel Id: (1 ~ 4294967295)

Remote Tunnel Id: (1 ~ 4294967295)

Session Id: (1 ~ 4294967295)

Remote session Id: (1 ~ 4294967295)

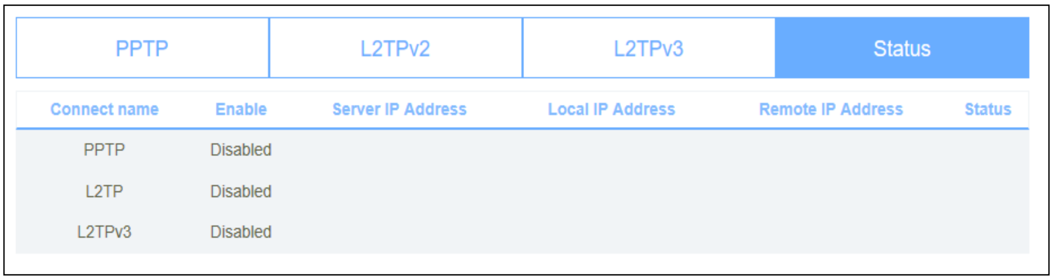
MTU: 1488 (1360-1488 bytes)

Local Host Address	The address of the LAN side device of local , eg: 192.168.2.1
Remote Host Address	The address of the LAN side device of remote host , eg: 192.168.8.2
Local Udp Port	LAN side device udp port.
Remote Udp Port	Remote device udp port
Tunnel Address	Wan interface IP address
Remote Tunnel Address	Remote device WAN interface IP address
Tunnel Id	Local device tunnel id
Remote Tunnel Id	Remote device tunnel id
Session Id	Local device session id

Remote session Id	Remote device session id
MTU	You can keep the maximum transmission unit (MTU) as default.

III-7-4. Status

Go to Settings > VPN > Status. This page shows the status information for PPTP, L2TP and L2TPv3.

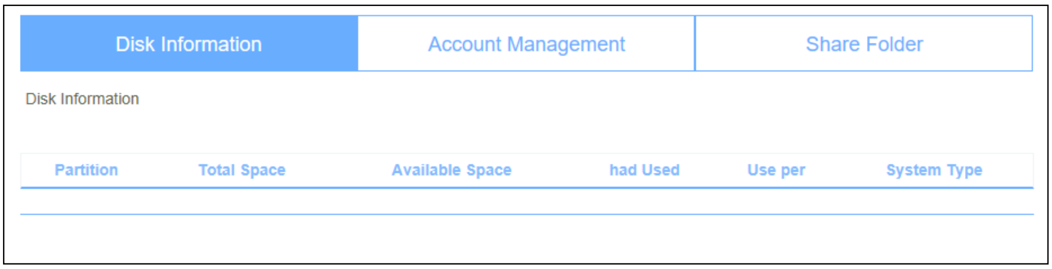


Connect name	Enable	Server IP Address	Local IP Address	Remote IP Address	Status
PPTP	Disabled				
L2TP	Disabled				
L2TPv3	Disabled				

III-8. USB

III-8-1. Disk Information

Go to Settings > USB > Disk Information. This page shows disk information.

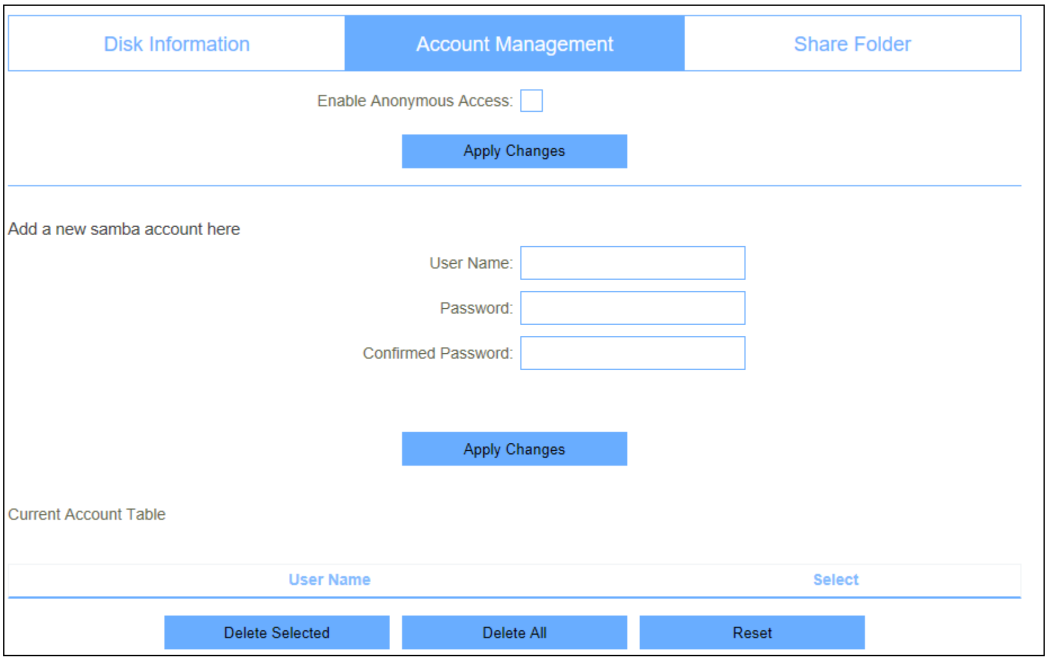


Disk Information

Partition	Total Space	Available Space	had Used	Use per	System Type

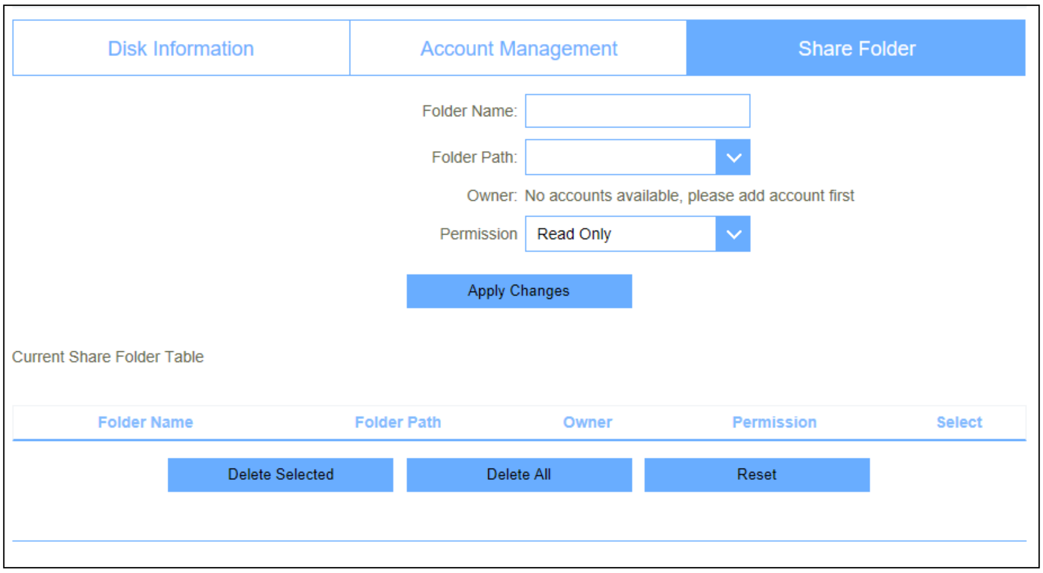
III-8-2. Account Management

Go to Settings > USB > Account Management. This page shows disk information. If enable anonymous access, can only access specific directory [public], the [public] directory located in the first partition of the first disk.



III-8-3. Share Folder

Go to Settings > USB > Share Folder. This page used for add/delete share folder. Enter the Folder Name and select the Folder Path and Permission.



Owner: No accounts available, please add account first

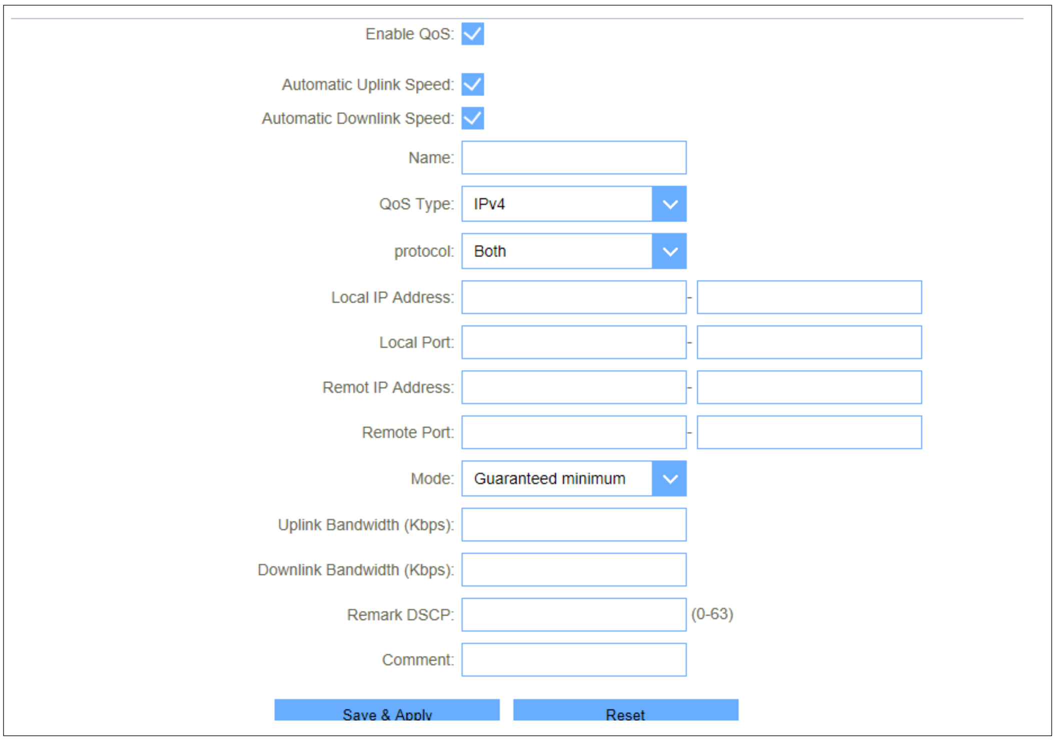
Permission: Read Only

IV. *Features*

IV-1. QoS

Go to Features > QoS. QoS (Quality of Service) refers to a network that can utilize various basic technologies to provide better service capability for designated network communication. It is a security mechanism of the network and a technology used to solve problems such as network delay and blocking. For example, users can improve your online gaming experience by ensuring that your game traffic is prioritized over other network traffic through setting QoS function.
For example, I have several devices that are connected to my wireless network. I would like to set an intermediate speed on the Internet for my specified device.

There are two work modes for QoS function: Guaranteed minimum bandwidth and Restricted maximum bandwidth. Select any one of them in the mode drop-down list and then enter the corresponding information.



Enable QoS: ☑

Automatic Uplink Speed: ☑
Automatic Downlink Speed: ☑
Name:
QoS Type: IPv4
protocol: Both
Local IP Address: -
Local Port: -
Remot IP Address: -
Remote Port: -
Mode: Guaranteed minimum
Uplink Bandwidth (Kbps):
Downlink Bandwidth (Kbps):
Remark DSCP: (0-63)
Comment:

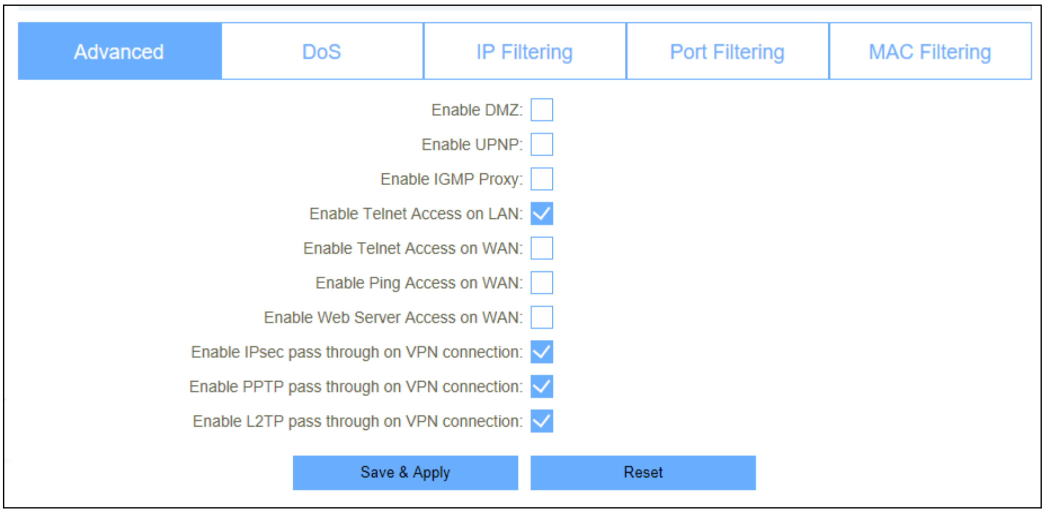
Automatic Uplink Speed	Automatic uplink speed.
Automatic Downlink Speed	Automatic downlink speed.
Manual Downlink Speed (Kbps)	Set the upload speed of your Internet access
Name	QoS rule name.

IV-2. Firewall

Firewall can prevent cyber attacks and validate the traffic that is passing through the router based on the protocol.

IV-2-1. Advanced

Go to Features > Firewall > Advanced. Your router's high-performance firewall feature continuously monitors Internet traffic, protecting your network and connected devices from malicious Internet attacks.

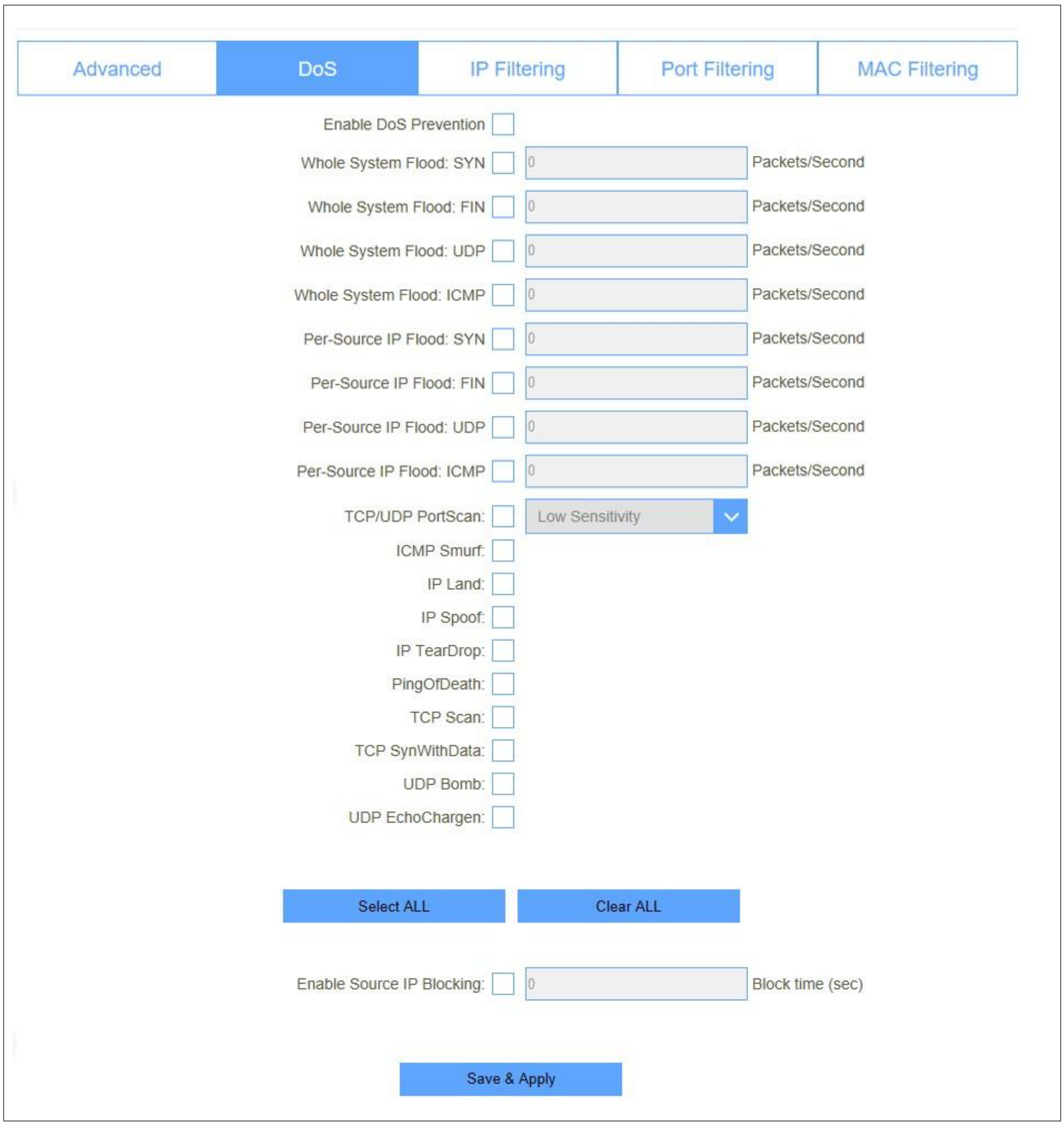


Enable DMZ: □
Enable UPNP: □
Enable IGMP Proxy: □
Enable Telnet Access on LAN: ☑
Enable Telnet Access on WAN: □
Enable Ping Access on WAN: □
Enable Web Server Access on WAN: □
Enable IPsec pass through on VPN connection: ☑
Enable PPTP pass through on VPN connection: ☑
Enable L2TP pass through on VPN connection: ☑

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	Enable or disable IPSEC to pass through IPSEC communication data.
Enable PPTP pass through on VPN	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.

IV-2-2. DoS

Go to Features > Firewall > DoS. 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: □

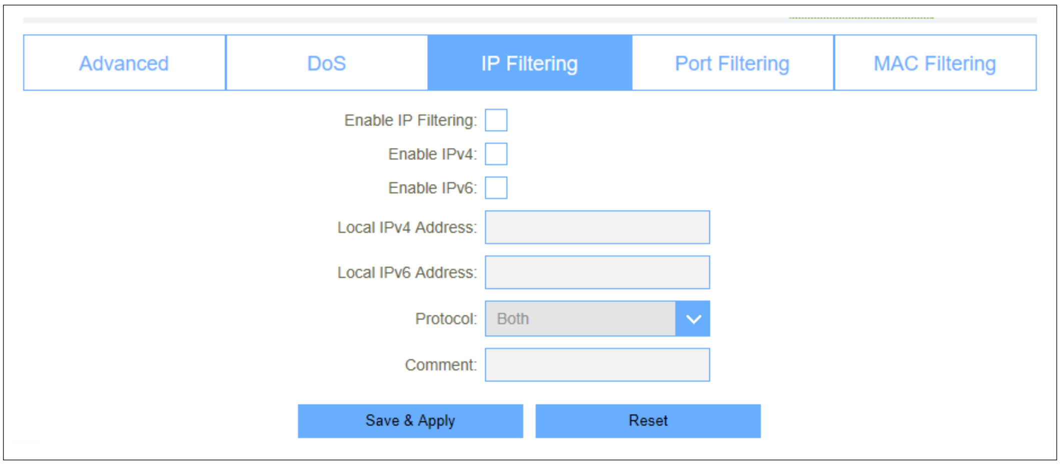
UDP Bomb: □

UDP EchoChargen: □

Enable Source IP Blocking: □ 0 Block time (sec)

IV-2-3. IP Filtering

Go to Features > Firewall > IP 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.



Enable IP Filtering: □

Enable IPv4: □

Enable IPv6: □

Local IPv4 Address:

Local IPv6 Address:

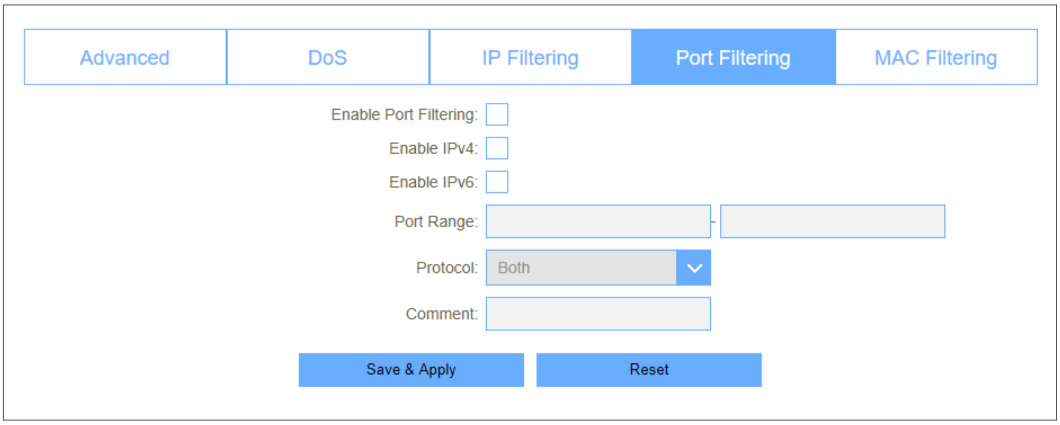
Protocol: Both

Comment:

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.

IV-2-4. Port Filtering

Go to Features > Firewall > 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.



Enable Port Filtering: □

Enable IPv4: □

Enable IPv6: □

Port Range: -

Protocol: Both

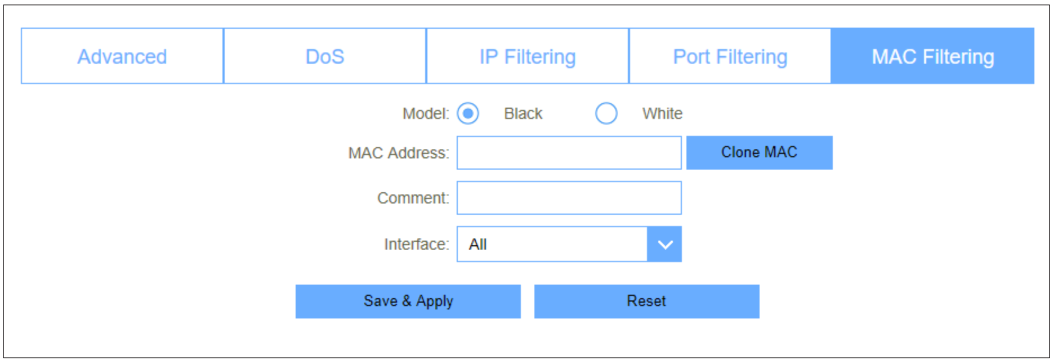
Comment:

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.

IV-2-5. MAC Filtering

Go to Features > Firewall > 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.



Model: ● Black ○ White

MAC Address:

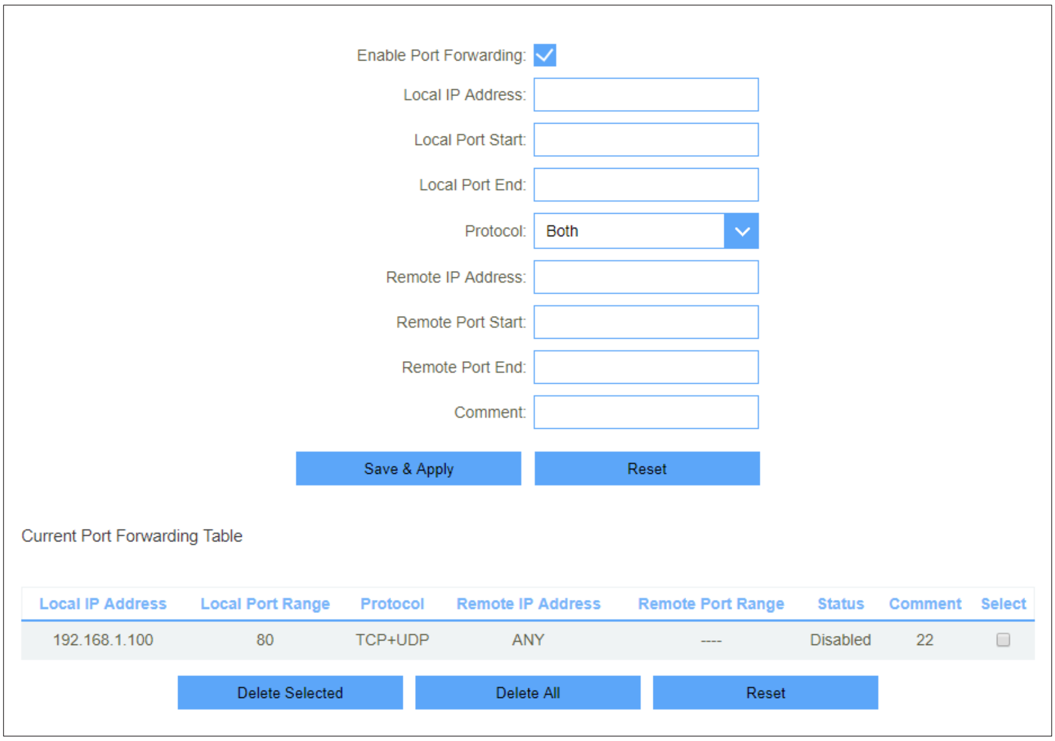
Comment:

Interface: All

Model	You can set working model here, Black and White.
MAC Address	Enter a MAC address.
Comment	Comment info.
Interface	WAN interface for the rule.

IV-2-6. Port Forwarding

Go to Features > Port 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.



Enable Port Forwarding: ☑

Local IP Address:

Local Port Start:

Local Port End:

Protocol: Both

Remote IP Address:

Remote Port Start:

Remote Port End:

Comment:

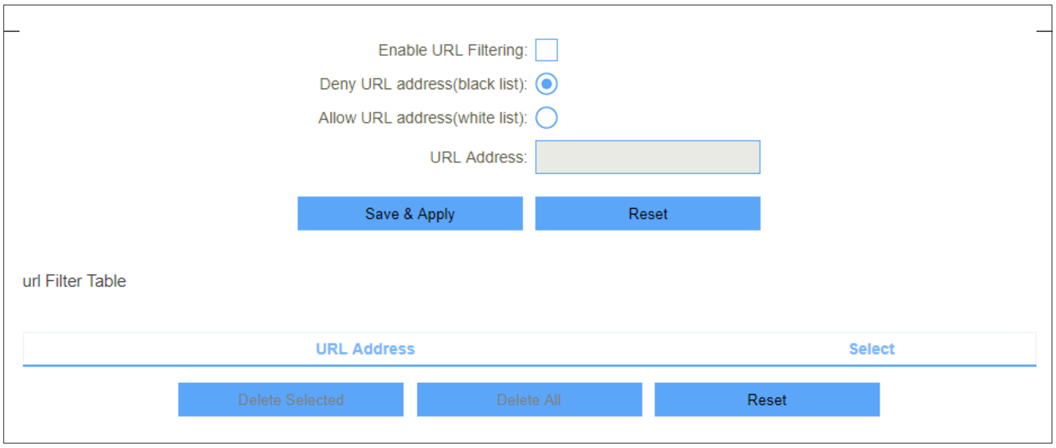
Current Port Forwarding Table

Local IP Address	Local Port Range	Protocol	Remote IP Address	Remote Port Range	Status	Comment	Select
192.168.1.100	80	TCP+UDP	ANY	----	Disabled	22	□

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

IV-2-7. URL Filter

Go to Features > URL Filter. URL filter is used to deny LAN users from accessing the internet. Block those URLs which contain keywords listed below. Please note: URL Filter cannot filter the HTTPS encrypted domain name.



Enable URL Filtering: □
Deny URL address(black list): ●
Allow URL address(white list): ○
URL Address:

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.

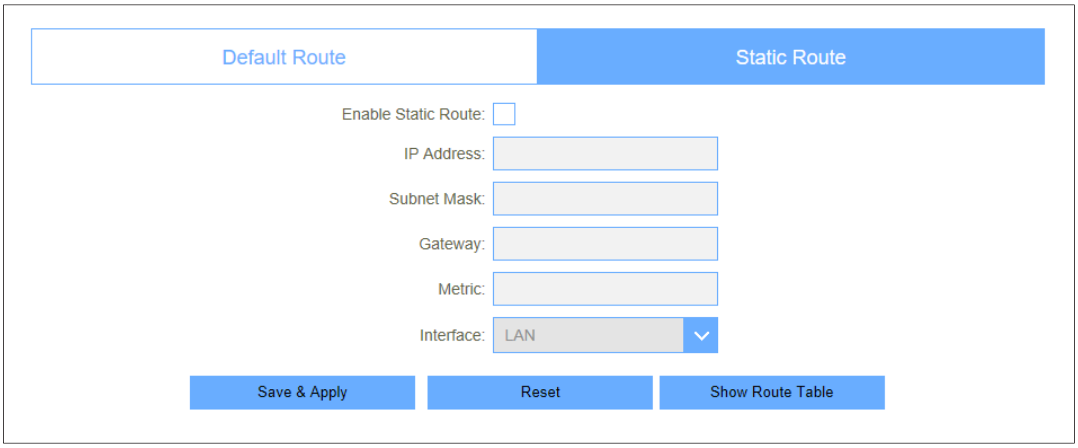
IV-2-8. Route

IV-2-8-1. Default Route

It does not require you to make any settings in this option because there is only one wan port for BR-6478AC V3.

IV-2-8-2. Static Route

Go to 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.

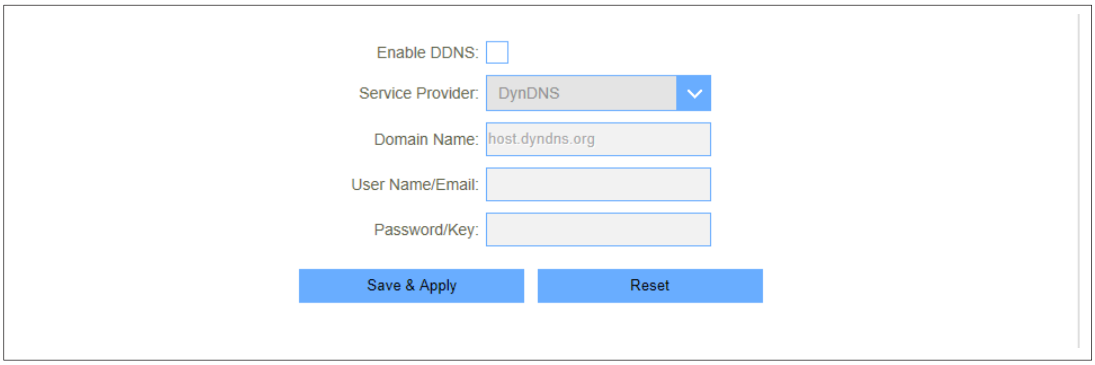


Enable Static Route: □
IP Address:
Subnet Mask:
Gateway:
Metric:
Interface: LAN

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

IV-2-8-3. Dynamic DNS

The Wireless Router 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.



Enable DDNS: □

Service Provider: DynDNS

Domain Name: host.dyndns.org

User Name/Email:

Password/Key:

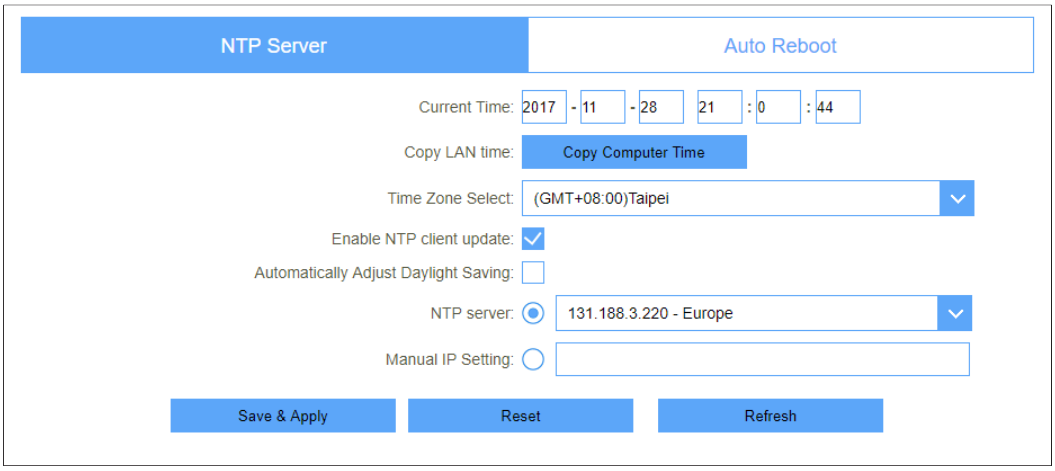
Server Provider	Select server from the drop-down list ● DynDNS ● TZO
Domain Name	Enter the host name
User Name/Email	Enter the user name
Password/Key	Enter the password

V. Management

V-1. Time

V-1-1. NTP Server

Go to Management > Time > NTP Server. You can maintain the system time by synchronizing with a public time server over the Internet.



NTP Server | Auto Reboot

Current Time: 2017 - 11 - 28 21 : 0 : 44

Copy LAN time: Copy Computer Time

Time Zone Select: (GMT+08:00)Taipei

Enable NTP client update: ☑

Automatically Adjust Daylight Saving: □

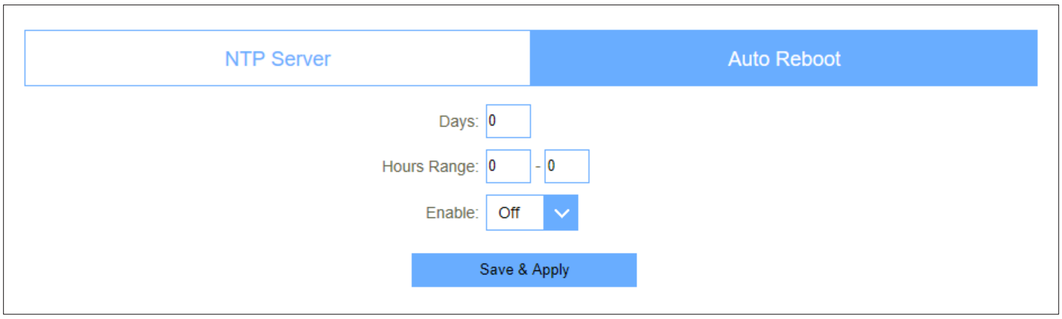
NTP server: ● 131.188.3.220 - Europe

Manual IP Setting: ○

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	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.

V-1-2. Auto Reboot

Go to Management > Time > Auto Reboot. This feature 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.



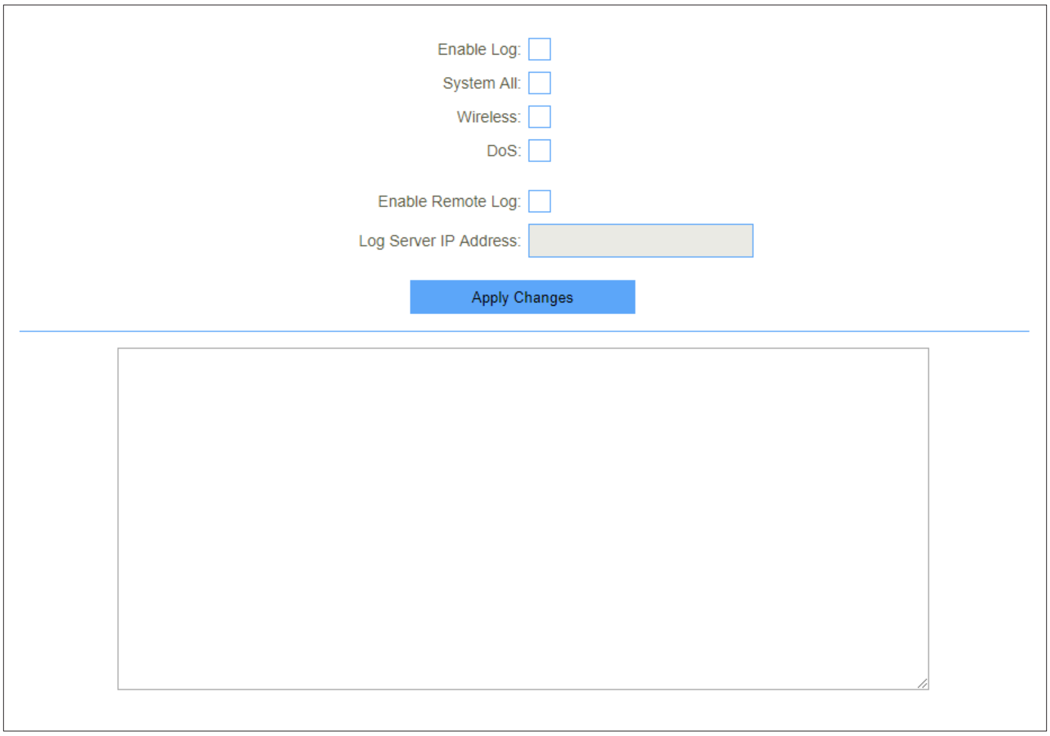
Days: 0

Hours Range: 0 - 0

Enable: Off

V-2. System Log

Go to Management > System Log. This page can be used to set remote log server and show the system log.



Enable Log: □

System All: □

Wireless: □

DoS: □

Enable Remote Log: □

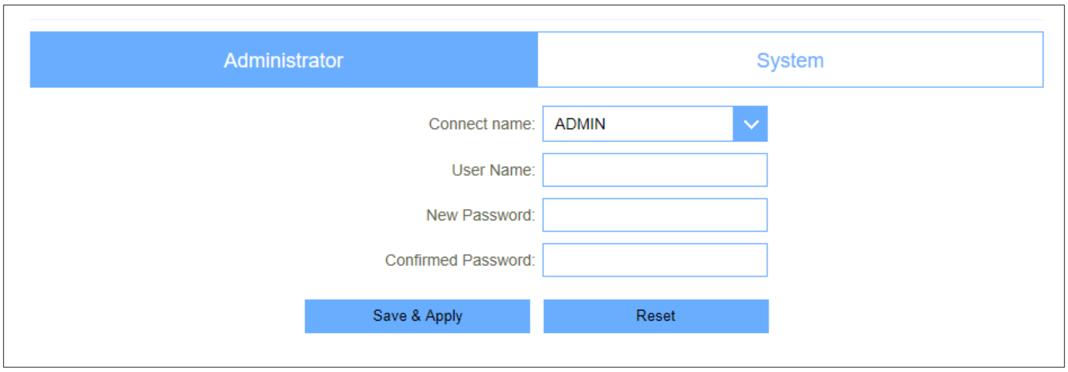
Log Server IP Address:

Enable Log	Enable or disable Log function.
System All	Print all log information.
Wireless	Print wireless log information.
DoS	Print DoS log information.
Enable Remote Log	Enable or disable “Logging to Syslog Server”
Log Server IP Address	Enter the Syslog server IP address

V-3. System Settings

V-3-1. Administrator

Go to Management > Administrator. This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection.



Connect name: ADMIN

User Name:

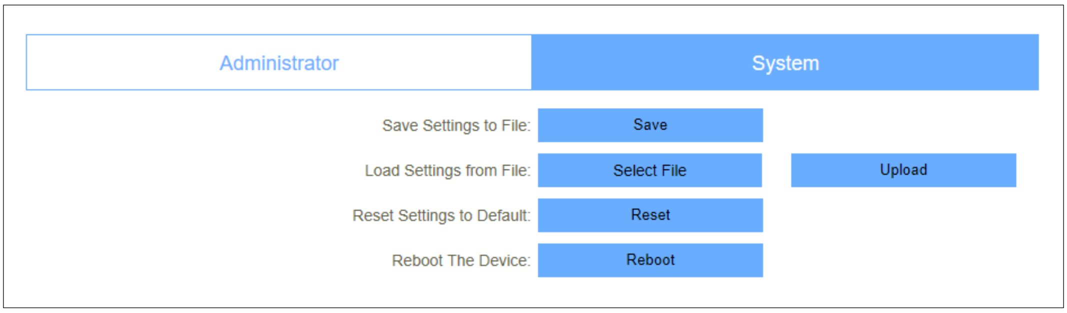
New Password:

Confirmed Password:

Connect name	Select an account to be modified
Username	Enter the new username.
Password	Enter the new password.
Confirmed Password	Enter the new password again.

V-3-2. System

Go to Management > System. 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	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

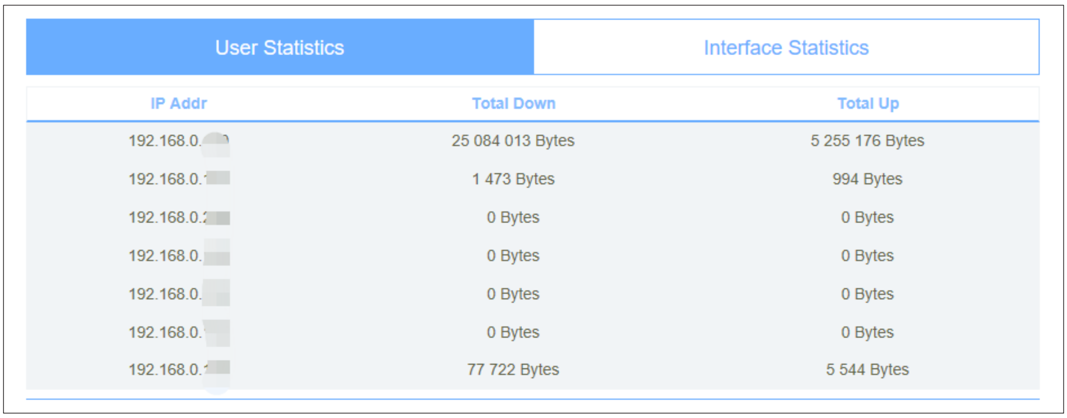
When you load new configuration, the original configuration will be lost. Please back up the current configuration before loading a new one. In this way, if the new configuration file has an error, you can load the backup file.

DO NOT shut down your router when loading a configuration file. Otherwise, the router may be damaged.

V-4. Statistics

V-4-1. User Statistics

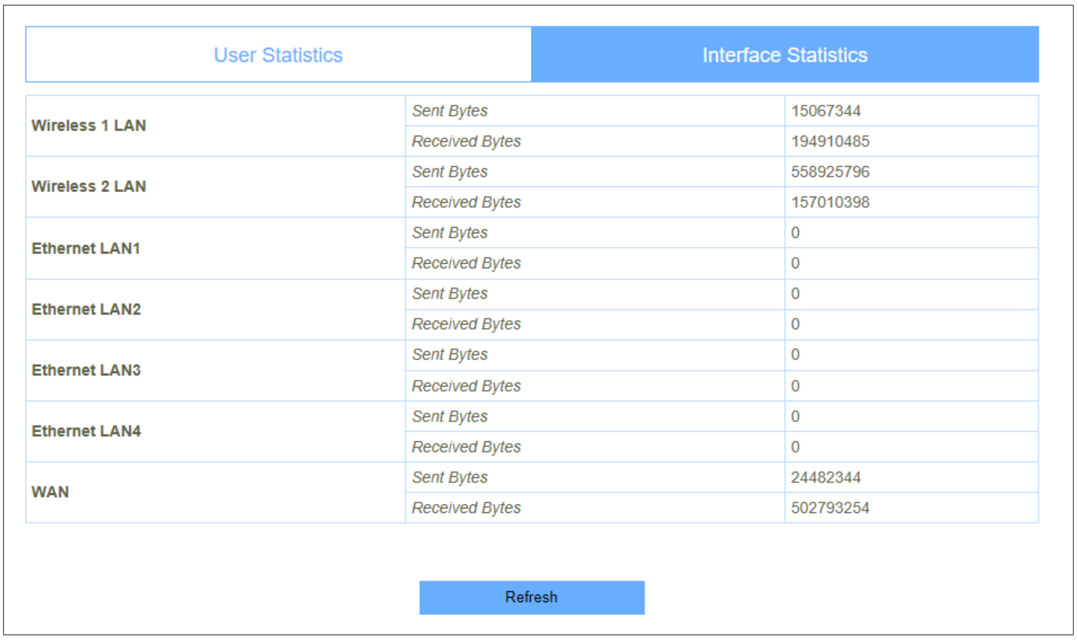
Go to Management > Statistics > User Statistics. 'User Statistics' will show each user's total traffic statistics.



IP Addr	Total Down	Total Up
192.168.0.[redacted]	25 084 013 Bytes	5 255 176 Bytes
192.168.0.[redacted]	1 473 Bytes	994 Bytes
192.168.0.[redacted]	0 Bytes	0 Bytes
192.168.0.[redacted]	0 Bytes	0 Bytes
192.168.0.[redacted]	0 Bytes	0 Bytes
192.168.0.[redacted]	0 Bytes	0 Bytes
192.168.0.[redacted]	77 722 Bytes	5 544 Bytes

V-4-2. Interface Statistics

Go to Management > Statistics > Interface Statistics. This page shows the packet counters for transmission and reception regarding to wireless and Ethernet networks.

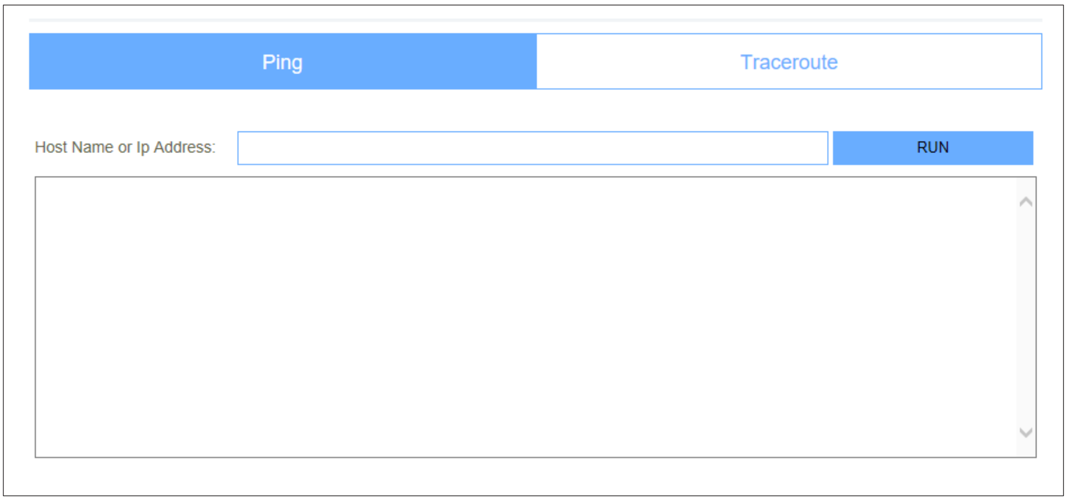


Wireless 1 LAN	*Sent Bytes*	15067344
	Received Bytes	194910485
Wireless 2 LAN	*Sent Bytes*	558925796
	Received Bytes	157010398
Ethernet LAN1	*Sent Bytes*	0
	Received Bytes	0
Ethernet LAN2	*Sent Bytes*	0
	Received Bytes	0
Ethernet LAN3	*Sent Bytes*	0
	Received Bytes	0
Ethernet LAN4	*Sent Bytes*	0
	Received Bytes	0
WAN	*Sent Bytes*	24482344
	Received Bytes	502793254

V-5. Diagnostics

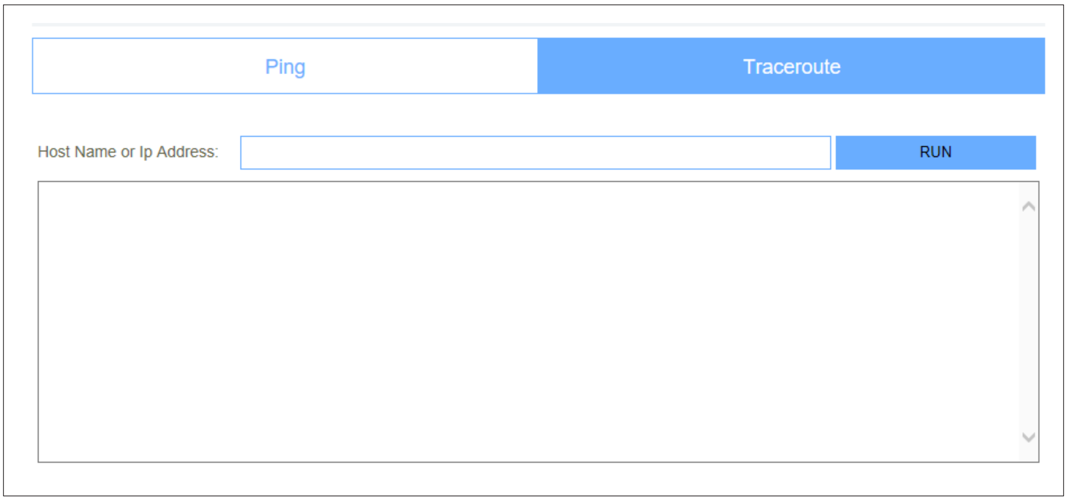
V-5-1. Ping

Go to Management > Diagnostics > Ping. This page gives you various diagnostics about ping for IP connection.



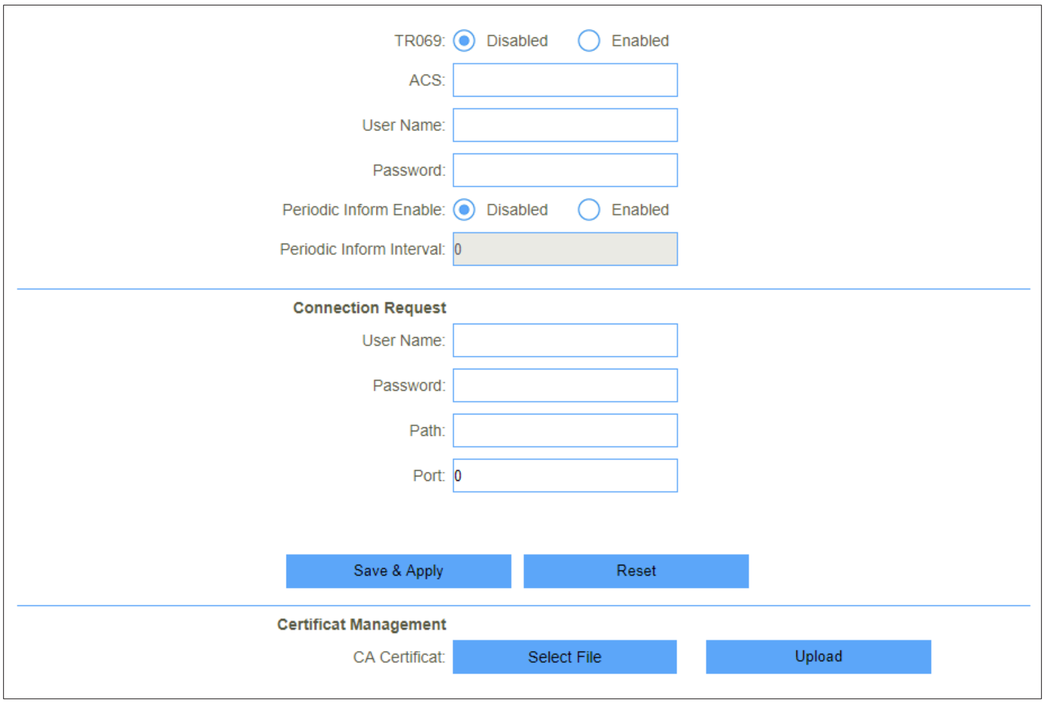
V-5-2. Traceroute

Go to Management > Diagnostics > Traceroute. This page gives you various diagnostics about traceroute for IP connection.



V-6. TR069

Go to Management > TR069. ISP may use this function to remote management. User can configure the TR- 069 in this page. 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: 0

Connection Request

User Name:

Password:

Path:

Port: 0

Certificat Management

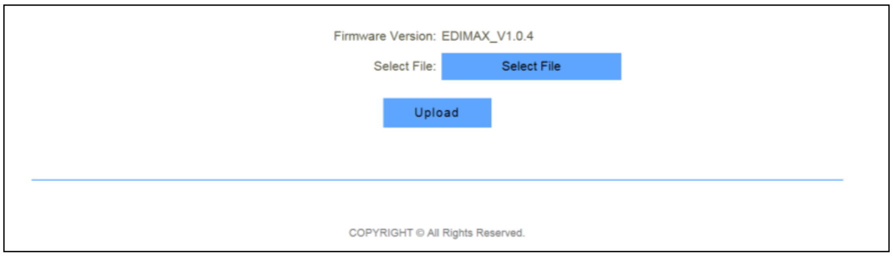
CA Certificat:

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
Connection Request Password	Password used form ACS connection to
Path	Connection request path.
Port	Connection port.

V-7. Upgrade

Go to Management > Upgrade. This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.



Firmware Version: EDIMAX_V1.0.4

Select File: Select File

Upload

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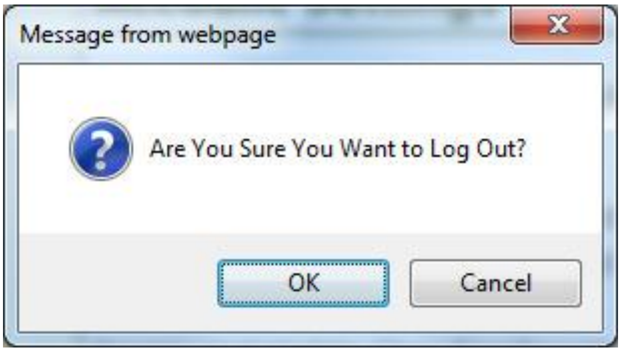
DO NOT turns off the power or press the Reset button when updating the firmware. Otherwise, the router may be damaged.

VI. Logout

If you want to leave current interface, please Logout click icon to logout.



Message from webpage

Are You Sure You Want to Log Out?

VII. FAQ

If you are experiencing problems with your BR-6478AC V3, please check below before contacting your dealer of purchase for help.

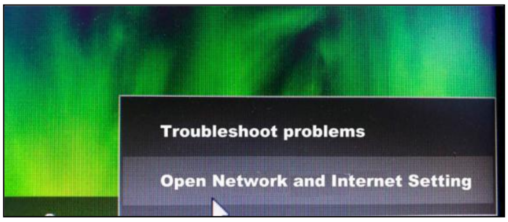
If you are experiencing problems immediately after a firmware upgrade, please contact your dealer of purchase for help.

1. How to set up the TCP/IP Protocol in Obtain an IP address automatically mode on your computer?

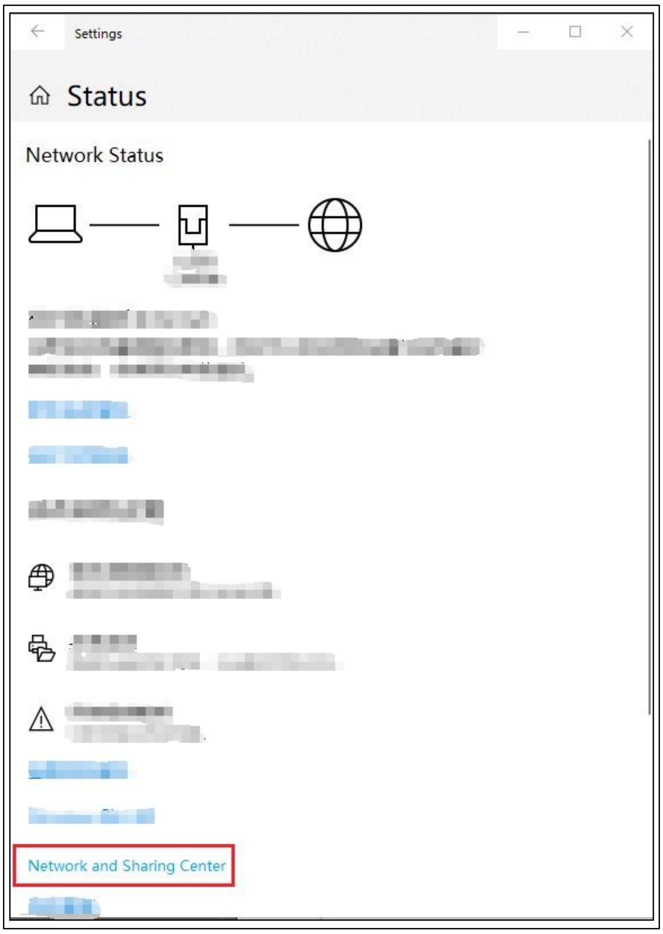
a. A computer installed with a wired network adapter is used as an example here to describe the steps in ***Win 10*** and in similar steps for the other systems.

Step 1. Right-click 🖳 in the lower-right corner of the desktop and choose

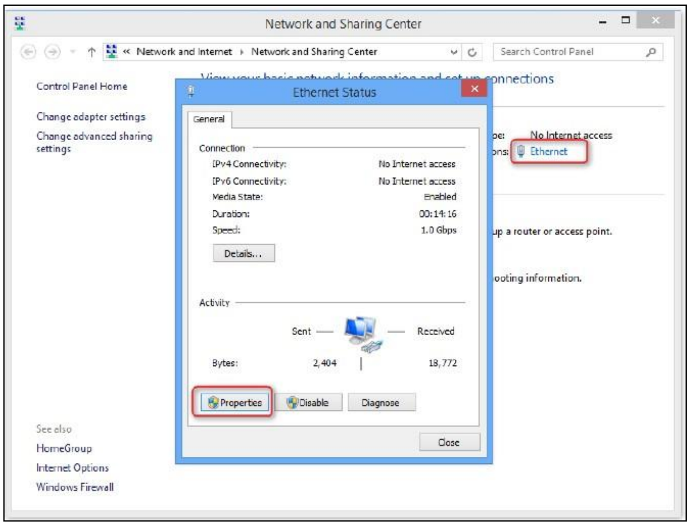
Open Network and Internet Setting.



Step 2. Click **Network and Sharing Center**.



Step 3. Click **Ethernet and Properties.**



Connection

IPv4 Connectivity: No Internet access

IPv6 Connectivity: No Internet access

Media State: Enabled

Duration: 00:14:16

Speed: 1.0 Gbps

Activity

Sent — Received

Bytes: 2,404 | 18,772

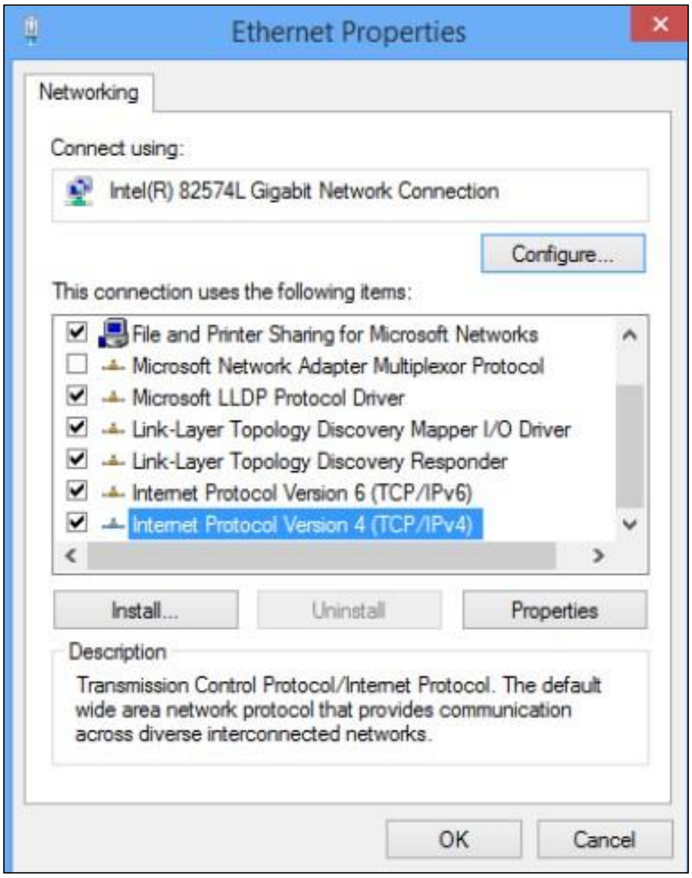
…pe: No Internet access

…ons: Ethernet

…up a router or access point.

…ooting information.

Step 4. Double-click **Internet Protocol Version 4 (TCP/IPv4).**



Ethernet Properties

Networking

Connect using:

Intel(R) 82574L Gigabit Network Connection

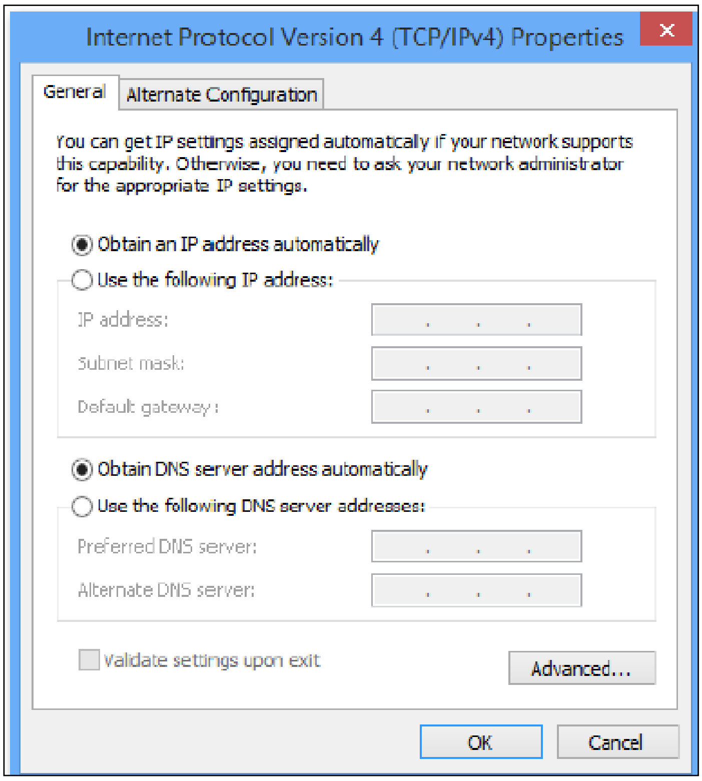
This connection uses the following items:

☑ File and Printer Sharing for Microsoft Networks
□ Microsoft Network Adapter Multiplexor Protocol
☑ Microsoft LLDP Protocol Driver
☑ Link-Layer Topology Discovery Mapper I/O Driver
☑ Link-Layer Topology Discovery Responder
☑ Internet Protocol Version 6 (TCP/IPv6)
☑ Internet Protocol Version 4 (TCP/IPv4)

Description

Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.

Step 5. Select **Obtain an IP address automatically** and O**btain DNS server address automatically**, and click **OK.**



Internet Protocol Version 4 (TCP/IPv4) Properties

General | Alternate Configuration

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

● Obtain an IP address automatically
○ Use the following IP address:

IP address:
Subnet mask:
Default gateway:

● Obtain DNS server address automatically
○ Use the following DNS server addresses:

Preferred DNS server:
Alternate DNS server:

□ Validate settings upon exit

Step 6. You'll go back to the **Ethernet Properties** box, please click **OK**.

2. I can’t open the browser based configuration interface.

a. Make sure the connection of WAN and LAN port(s) is correct.

b. Ensure that your Ethernet cable with internet connectivity is plugged into the WAN port of the router rather than a LAN port.

c. Ensure that your wireless device is connected to the LAN port(s) of the router.

d. Make sure you enter the correct IP address (192.168.2.1) to log in.

e. Make sure the IP address of your computer is configured as Obtain an IP address automatically and Obtain DNS server address automatically.

f. Use another web browser to log in again.

g. Reset the router to factory default settings and try again.

3. How do I reset my device to factory default settings?

a. To reset the device back to its factory default settings, press and hold the WPS/Reset button for over 10 seconds, until the power LED begins to flash. Please wait a few minutes for the product to restart. When the device restarts, all settings will be reset. Default settings are displayed on the product label on the back of the device.

Router Login	Enter this URL in a web browser to run iQ Setup or configure advanced settings. You must be connected to the device by Wi-Fi or Ethernet cable.
Username/Password	This is the default username and password to access the browser based configuration interface when you go to the “Router Login” URL (above).
Wi-Fi Network Name	This is the default Wi-Fi network name for the device. Search for this name (SSID) and connect to it in order to access the “Router Login” URL (above).
MAC	A MAC address is unique to every device and is used for identification within a network. Your device’s unique MAC addresses are displayed here.
PIN CODE	This is your device’s PIN code for Wi-Fi Protected Setup (WPS) for each wireless frequency.

4. I forgot my password.

a. Reset the router to its factory default settings and use the default username **admin** and default password **1234**. Default settings are displayed on the product label on the back of the device, as shown above.

5. If An IP address conflict message appears after the computer is connected to the router, what should I do?

a. Ensure that there is no other DHCP server in your LAN or the other DHCP server is disabled.
b. Make sure the IP address of your router is not used by another device in your LAN. The default IP address of the router is 192.168.2.1.
c. Ensure that the static IP address assigned to the computer in your LAN is not used by other devices.

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Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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:

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

FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

Federal Communications Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 2.5cm (1 inch) during normal operation.

Federal Communications Commission (FCC) RF Exposure Requirements

SAR compliance has been established in the laptop computer(s) configurations with PCMCIA slot on the side near the center, as tested in the application for certification, and can be used in laptop computer(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. Use in other devices such as PDAs or lap pads is not authorized. This transmitter is restricted for use with the specific antenna tested in the application for certification. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RED Compliance Statement

Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412-2472	17.87 dBm
5150-5240	21.09 dBm

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **AC1200 Wireless Router** is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address: http://www.edimax.com/edimax/global/

Safety

This equipment is designed with the utmost care for the safety of those who install and use it. However, special attention must be paid to the dangers of electric shock and static electricity when working with electrical equipment. All guidelines of this and of the computer manufacture must therefore be allowed at all times to ensure the safe use of the equipment.

EU Countries Intended for Use
The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey, and United Kingdom. The ETSI version of this device is also authorized for use in EFTA member states: Iceland, Liechtenstein, Norway, and Switzerland.

EU Countries Not Intended for Use
None

EU Declaration of Conformity

English: This equipment is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU, 2014/35/EU.

Français: Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.

Čeština: Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.

Polski: Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.

Română: Acest echipament este în conformitate cu cerinţele esenţiale şi alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.

Русский: Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.

Magyar: Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).

Türkçe: Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.

Українська: Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.

Slovenčina: Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.

Deutsch: Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.

Español: El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.

Italiano: Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.

Nederlands: Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.

Português: Este equipamento cumpre os requesitos essênciais da Directiva 2014/53/EU, 2014/35/EU.

Norsk: Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.

Svenska: Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.

Dansk: Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.

suomen kieli: Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. oleelliset vaatimukset ja muut asiaankuuluvat määräykset.

FOR USE IN AT BE CY CZ DK EE FI FR DE GR HU
IE IT LV LT LU MT NL PL PT SK SI ES SE
GB IS LI NO CH BG RO RU TR UA

R-NZ

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the European Radio Equipment directives.

Equipment: **AC1200 Wireless router**
Model No.: **BR-6478AC V3**

The following European standards for essential requirements have been followed:

Directives 2014/53/EU

Spectrum	:	EN 300 328 V2.1.1:2016
		EN 301 893 V2.1.1:2017
EMC	:	EN 301 489-1 V2.2.0:2017
		EN 301 489-17 V3.2.0:2017
EMF	:	EN 62311:2008

Directives 2014/35/EU

Safety (LVD)	:	IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013
		EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

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Title: Director
Edimax Technology Europe B.V.

Date of Signature: Nov., 2018
Signature:
Printed Name: Albert Chang
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