

# 802.11ac Dual Band Concurrent Gigabit WLAN Router

## Quick Installation Guide



V1.0





## 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 electronics equipment, or returned to the supplier for disposal.

### System Requirements

1. Pentium 200MHZ processor or above
2. Windows 98SE, Windows Me, Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 and Windows 10.
3. 64MB of RAM or above.
4. 25MB free disk space

### Package Content

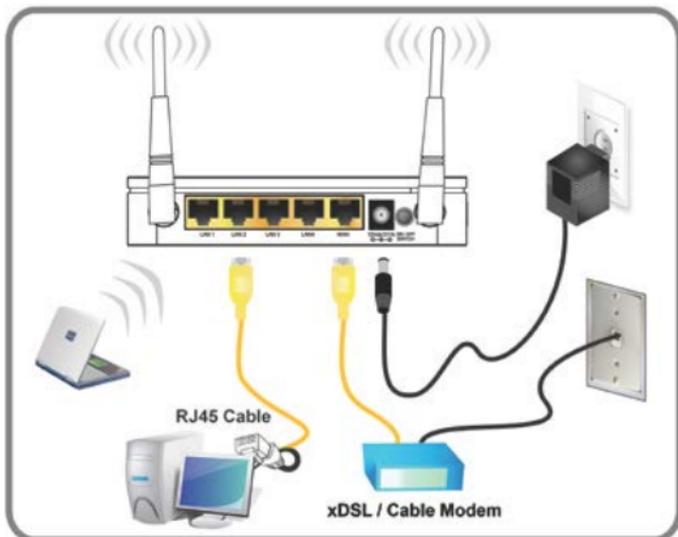
1. 802.11ac Dual Band Concurrent GbE WLAN Router
2. CD-ROM (Software & Manual)
3. Quick Installation Guide
4. Ethernet Cable (RJ-45)
5. Power Adaptor

## Installation & Setup

Follow each STEP carefully and only go to the next step once you have completed the previous STEP.

### STEP 1

#### Connection of 802.11ac WLAN AP Router



- Step 1. Connect the Ethernet cable to WAN Port  
Connect the RJ45 Ethernet cable from your xDSL/Cable Modem's Ethernet port to 802.11ac WLAN Router's **WAN** Port.
- Step 2. Connect the Ethernet cable to LAN Port  
Connect the supplied RJ45 Ethernet cable from your PC's Ethernet port to any of the 4 802.11ac WLAN Router's **LAN** Ports.
- Step 3. Attach the power connector  
Connect the power adapter to the power inlet "**POWER**" of the 802.11ac WLAN Router and turn the power switch "**ON/OFF SWITCH**" of your 802.11ac WLAN Router on.

## 802.11ac Dual Band Concurrent GbE WLAN Router

### LED Meaning

Your 802.11ac WLAN Router has indicator lights on the front side. Please see below for an explanation of the function of each indicator light.



Power indicator



Ethernet Active indicator



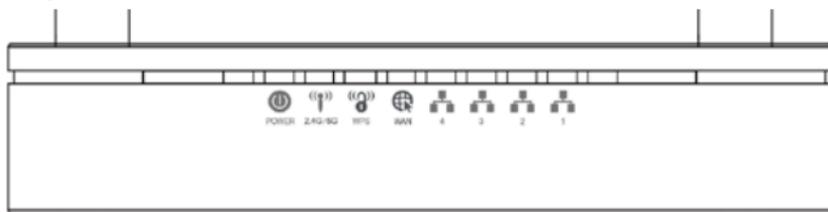
Wireless Active indicator



WPS Active indicator



Ethernet Active indicator



**Table1. LED function**

Label	Color	On	Flash	Off
 POWER	Green	Ready	Waiting for device ready	Power Off
 WAN	Green	The device has a WAN IP address from xDSL/Cable Modem	Transmit / Receive Data	No WAN IP address from xDSL/Cable Modem
 2.4G/5G	Green	WLAN Ready	Transmit / Receive Data	WLAN Off
 WPS	Green	N/A	Start WPS pairing within 2 minutes	WPS Idle
 1	Green	Ethernet Connected	Transmit / Receive Data	Ethernet Disconnected

The icons appear on the products are for application indication only.  
The trademark or intellectual property is belonging to their respective owners.

## Connectors

Table 2 shows the function of each connector and switch of the device.

**Table 2. Function / Description of Connectors**

Connector	Description
ANTENNA	2 fixed Antenna
ON/OFF SWITCH	Power on / off the device
POWER	Connects to the supplied power adaptor
LAN 4/3/2/1	Connects the device via LAN Ethernet to up to 4 PCs
WAN	Connects the device via WAN Ethernet to xDSL / Cable Modem
WPS	Press this button for at least 3 full seconds and the WPS LED will flash to start WPS. Now go to the wireless adapter or device and press its WPS button. Make sure to press the button within 120 seconds (2 minutes) after pressing the router's WPS button.
WLAN	Press this button for at least 3 full second to turn off/on wireless signals
RESET	Reset button. <b>RESET</b> the 802.11ac WLAN router to its default settings. Press this button for at least 6 full seconds to <b>RESET</b> device to its default settings.

## 802.11ac Dual Band Concurrent GbE WLAN Router

Figure1. Rear View of the 802.11ac WLAN Router

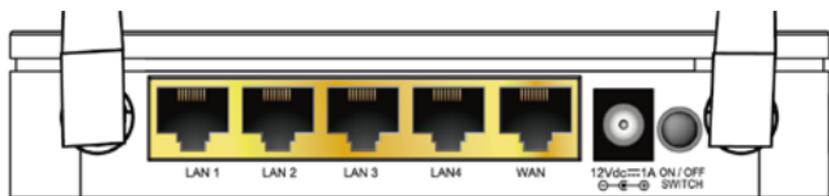


Figure2. WPS/WLAN button

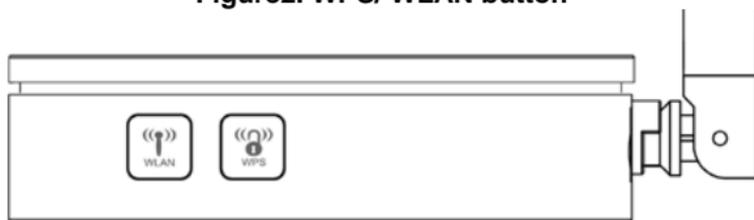
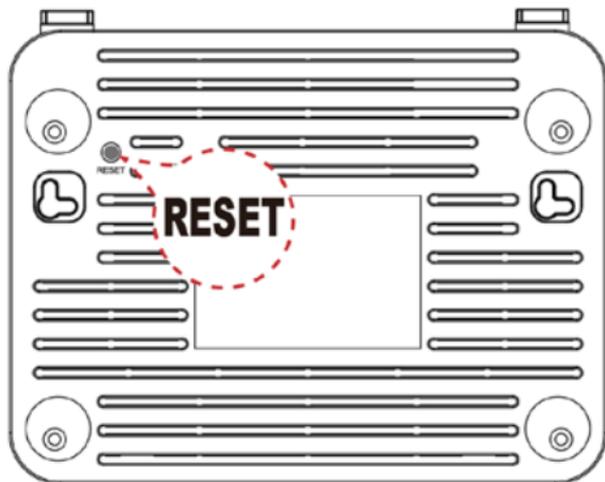


Figure3. RESET button



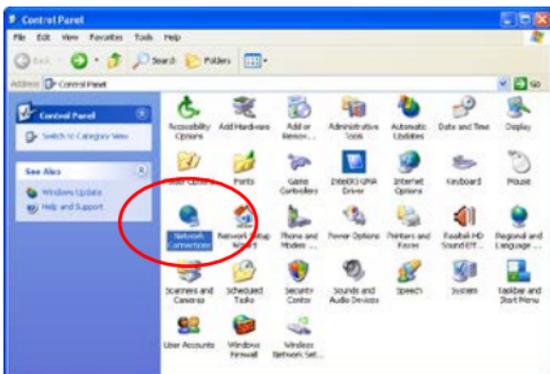
## STEP 2

### Configuration Procedures

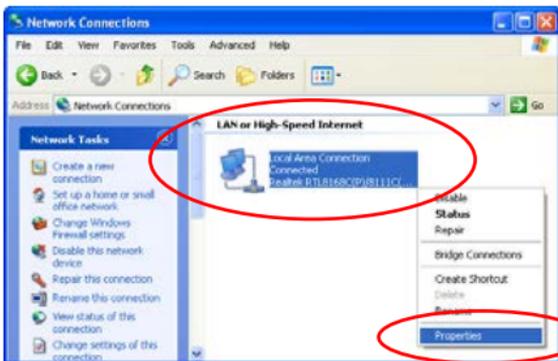
Before starting the 802.11ac WLAN Router configuration, please kindly configure the PC computer as below, to have automatic IP address / DNS Server.

#### For Windows 98SE/ME/2000/XP

1. Click on "**Start**" -> "**Control Panel**" (in *Classic View*). In the Control Panel, double click on "**Network Connections**" to continue.

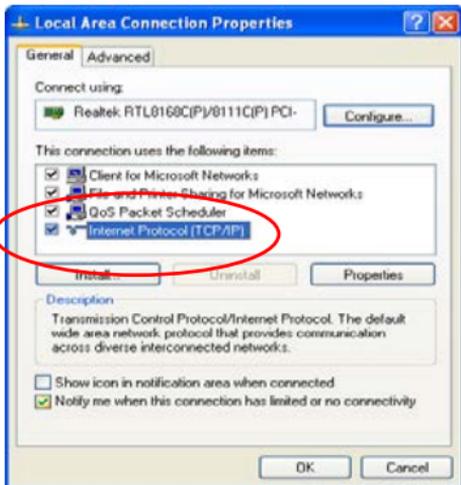


2. Single RIGHT click on "**Local Area connection**", then click "**Properties**".

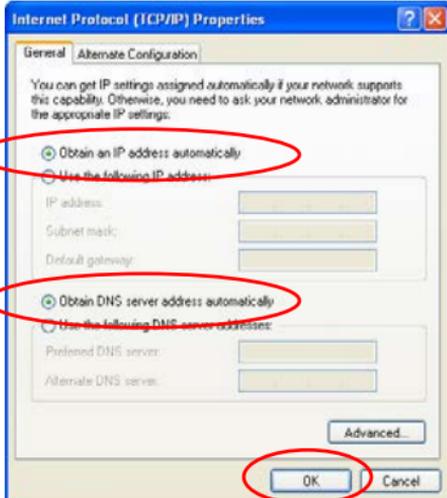


## 802.11ac Dual Band Concurrent GbE WLAN Router

3. Double click on "**Internet Protocol (TCP/IP)**".



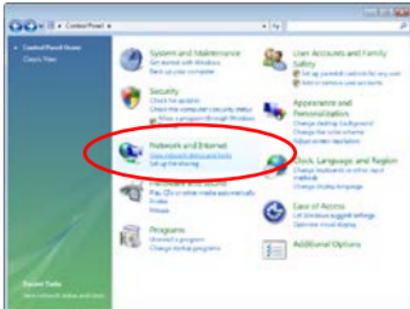
4. Check "**Obtain an IP address automatically**" and "**Obtain DNS server address automatically**" then click on "**OK**" to continue



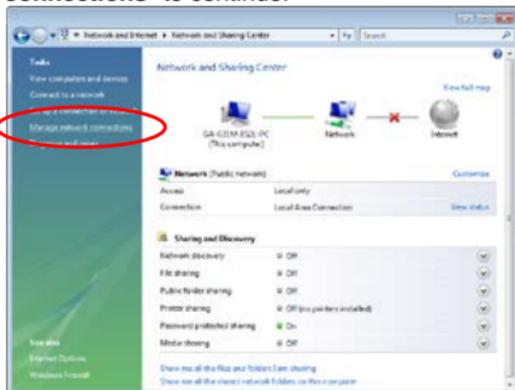
5. Click "**Show icon in notification area when connected**" (see screen image in 3. above) then Click on "**OK**" to complete the setup procedures.

## For Windows Vista-32/64

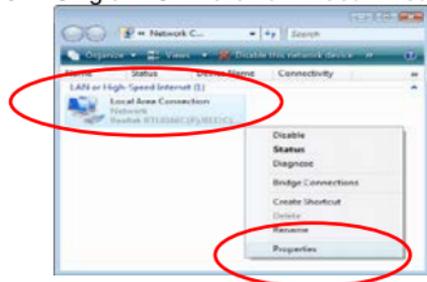
1. Click on **"Start" -> "Control Panel" -> "View network status and tasks"**.



2. In the Manage network connections, click on **"Manage network connections"** to continue.

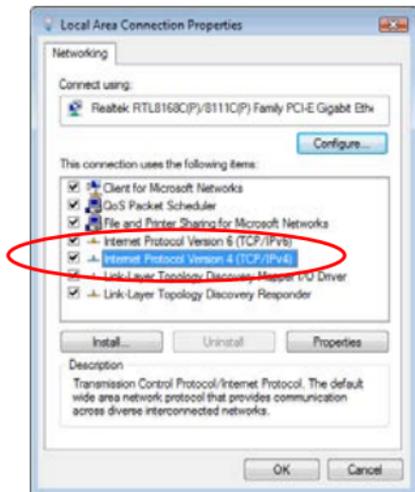


3. Single **RIGHT** click on **"Local Area connection"**, then click **"Properties"**.

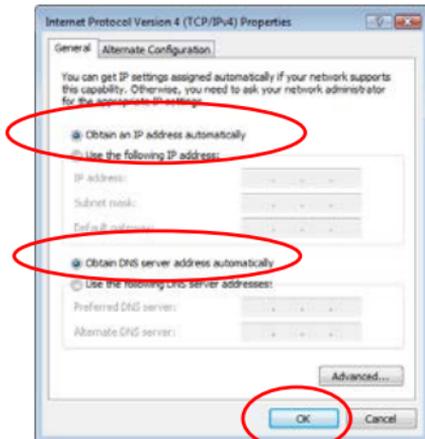


## 802.11ac Dual Band Concurrent GbE WLAN Router

- The screen will display the information "User Account Control" and click "Continue" to continue.
- Double click on "Internet Protocol Version 4 (TCP/IPv4)".

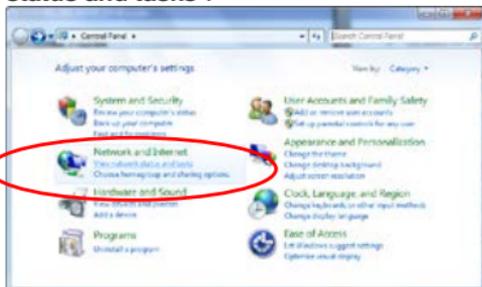


- Check "Obtain an IP address automatically" and "Obtain DNS server address automatically" then click on "OK" to continue.

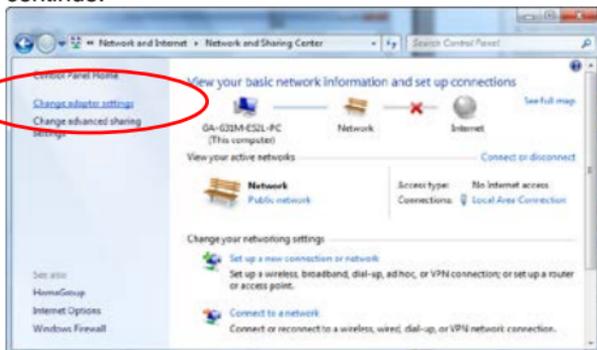


## For Windows 7-32/64

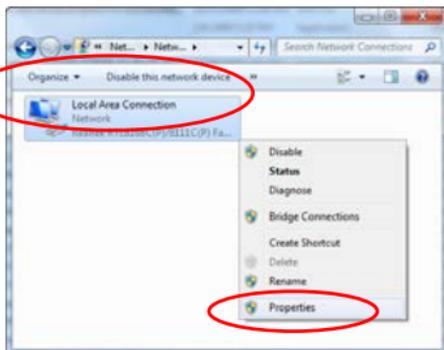
1. Click on **"Start"** -> **"Control Panel"** (in *Category View*) -> **"View network status and tasks"**.



2. In the **Control Panel Home**, click on **"Change adapter settings"** to continue.

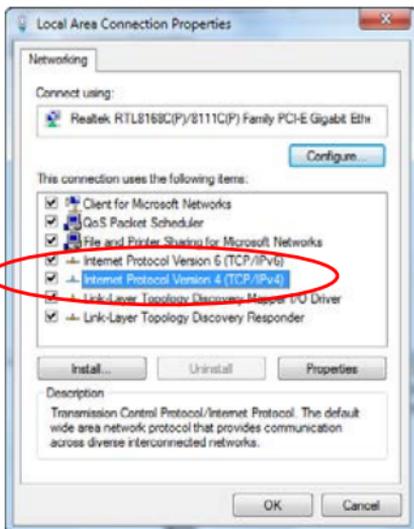


3. Single **RIGHT** click on **"Local Area connection"**, then click **"Properties"**.



## 802.11ac Dual Band Concurrent GbE WLAN Router

4. Double click on **"Internet Protocol Version 4 (TCP/IPv4)"**.



5. Check **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"** then click on **"OK"** to continue.

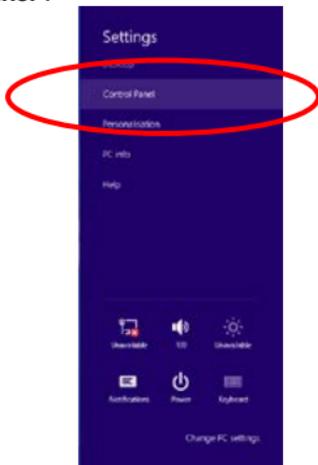


## For Windows 8/8.1-32/64

1. Move the mouse or tap to the upper right corner and click on "**Settings**".

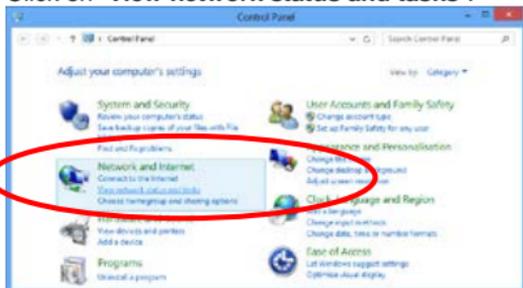


2. Click "**Control Panel**".

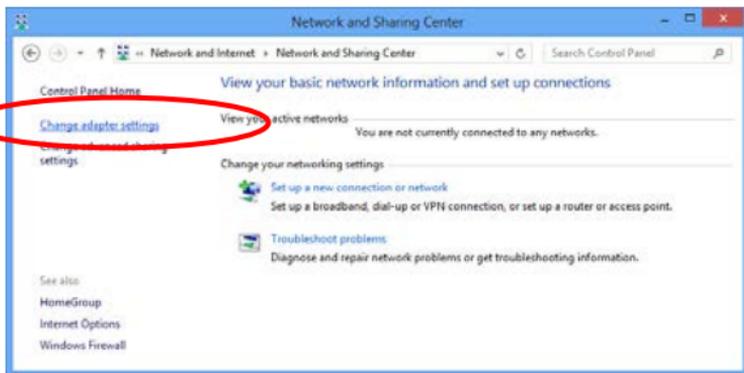


## 802.11ac Dual Band Concurrent GbE WLAN Router

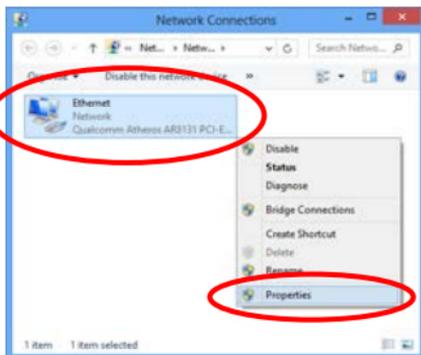
3. Click on **"View network status and tasks"**.



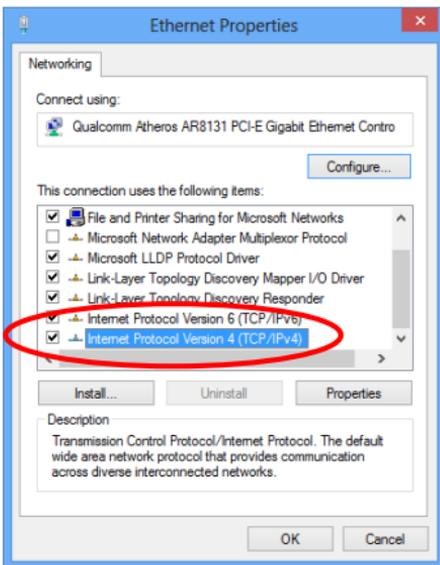
4. In the **Control Panel Home**, click on **"Change adapter settings"** to continue.



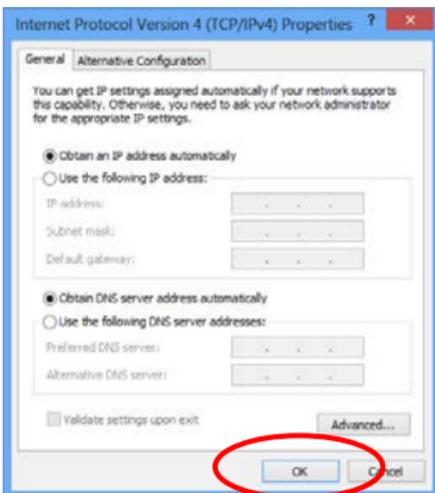
5. Single **RIGHT** click on **"Ethernet"**, then click **"Properties"**.



6. Double click on **"Internet Protocol Version 4 (TCP/IPv4)"**.



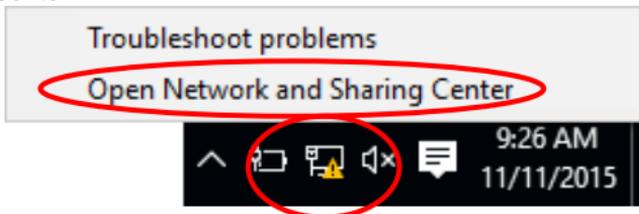
7. Check **"Obtain an IP address automatically"** and **"Obtain DNS server address automatically"** then click on **"OK"** to continue.



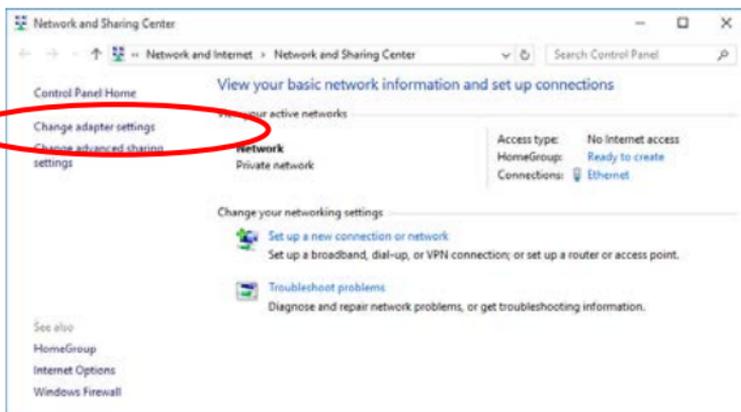
## 802.11ac Dual Band Concurrent GbE WLAN Router

### For Windows 10-32/64

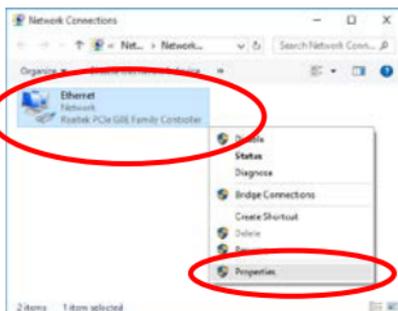
1. Right click on **Network** icon , then click "**Open Network and Sharing Center**" .



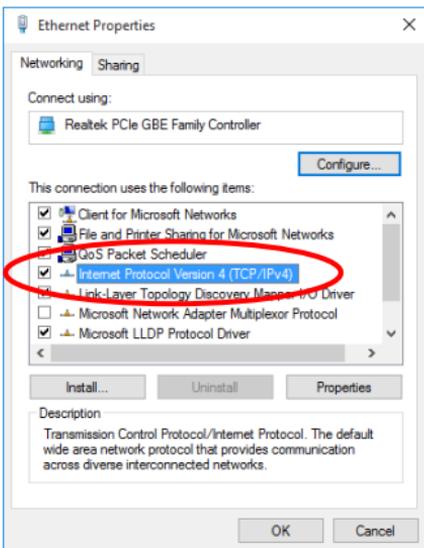
2. In the **Control Panel Home**, click on "**Change adapter settings**" to continue.



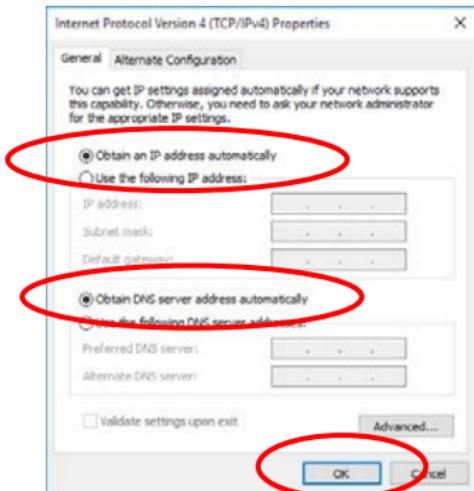
3. Single **RIGHT** click on "**Ethernet**", then click "**Properties**".



4. Double click on "**Internet Protocol Version 4 (TCP/IPv4)**".



5. Check "**Obtain an IP address automatically**" and "**Obtain DNS server address automatically**" then click on "**OK**" to continue.



### STEP 3

#### 802.11ac WLAN Router Configuration

1. Before you begin to execute utility CD Installations, please ensure the 802.11ac WLAN AP Router has been powered on.
2. Please insert the supplied CD into your CD-ROM drive.
3. The CD should auto-start, displaying the window shown in 4. below. If your CD does not start automatically, go to Windows Explorer, Select your CD drive and double click "**Autorun.exe**".
4. To configure the Internet and Wireless configuration, please click the "**Advanced Configuration**".



5. Please enter the User Name: **admin** and Password: **administrator** and then click on **OK** button.



6. From the head menu, click on **SETUP**.



7. Click on **Gateway** and then click on **Next**.

## Quick Setup

### 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 four 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.
- Wireless ISP:** In this mode, all ethernet ports are bridged together and the wireless client will connect to ISP access point. The NAT is enabled and PCs in ethernet ports share the same IP to ISP through wireless LAN. You must set the wireless to client mode first and connect to the ISP AP in Site-Survey page. The connection type can be setup in WAN page by using PPPOE, DHCP client, PPTP client, L2TP client or static IP.
- WAN Interface :** wlan1

Next >>

## WAN Interface Setup

### DHCP

From the **WAN Access Type** drop-down list, select **DHCP Client** setting. If you are happy with your settings, click on **Next**

## Quick Setup

### 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, PPTP or L2TP by click the item value of WAN Access type.

**WAN Access Type:** DHCP Client

Cancel <<Back

Next >>

### Fixed IP

From the **WAN Access Type** drop-down list, select **DHCP client** setting. Enter **Local IP Address**, **Subnet Mask**, **Default Gateway** and **DNS** which was given by Telecom or by your Internet Service Provider (ISP). If you are happy with your settings, click on **Next**

### Quick Setup

#### 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, PPTP or L2TP by click the item value of WAN Access type.

WAN Access Type:

IP Address:

Subnet Mask:

Default Gateway:

DNS :

Cancel <<Back Next>>

### PPPoE

From the **WAN Access Type** drop-down list, select **PPPoE** setting. Enter **User Name/Password** provided by your ISP. Type them in the relevant boxes. If you are happy with your settings, click on **Next**

### Quick Setup

#### 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, PPTP or L2TP by click the item value of WAN Access type.

WAN Access Type:

User Name:

Password:

Cancel <<Back Next>>

## PPTP

From the **WAN Access Type** drop-down list, select **PPTP** setting provided by your Network Administrator or ISP.

Click on the radio of **Dynamic IP (DHCP)** or **Static IP**.

Enter **IP Address** for example 172.1.1.1 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Subnet Mask** for example 255.255.0.0 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Default Gateway** for example 172.1.1.254 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Server Domain Address** for example 222.222.222.222 or www.example.com provided by your Network Administrator or ISP.

Enter **User Name** for example 1234 provided by your Network Administrator or ISP.

Enter **Password** for example 1234 provided by your Network Administrator or ISP.

If you are happy with your settings, click **Apply Changes**

## Quick Setup

### 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, PPTP or L2TP by click the item value of WAN Access type.

**WAN Access Type:**

**PPTP Mode:**  Dynamic IP (DHCP)  Static IP

**IP Address:**

**Subnet Mask:**

**Default Gateway:**

**PPTP Server Mode:**  Attain Server By Domain Name  Attain Server By Ip Address

**Domain Name:**

**Server IP Address:**

**User Name:**

**Password:**

## L2TP

From the **WAN Access Type** drop-down list, select **L2TP** setting provided by your Network Administrator or ISP.

Click on the radio of **Dynamic IP (DHCP)** or **Static IP**.

Enter **IP Address** for example 172.1.1.1 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Subnet Mask** for example 255.255.0.0 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Default Gateway** for example 172.1.1.254 provided by your Network Administrator or ISP. (for Static IP only)

Enter **Server Domain Address** for example 222.222.222.222 or www.example.com provided by your Network Administrator or ISP.

Enter **User Name** for example 1234 provided by your Network Administrator or ISP.

Enter **Password** for example 1234 provided by your Network Administrator or ISP.

If you are happy with your settings, click **Apply Changes**

## Quick Setup

### 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, PPTP or L2TP by click the item value of WAN Access type.

The screenshot shows the WAN Interface Setup configuration page. The following fields and options are visible:

- WAN Access Type:** L2TP (selected in a dropdown menu)
- L2TP Mode:**  Dynamic IP (DHCP)  Static IP
- IP Address:** [Text input field]
- Subnet Mask:** [Text input field]
- Default Gateway:** [Text input field]
- L2TP Server Mode:**  Attain Server By Domain Name  Attain Server By Ip Address
- Domain Name:** [Text input field]
- Server IP Address:** [Text input field]
- User Name:** [Text input field]
- Password:** [Text input field]
- Navigation buttons:** Cancel, <<Back, Next>>

Red circles in the image highlight the L2TP Mode section, the L2TP Server Mode section, and the Next button.

- Click on **Next**.

**Quick Setup**

**Select Wireless Band**

You can select Wireless Band.

**Wireless Band:** 2.4G+5G Concurrent

Cancel <<Back Next>>

## Wireless Configuration - 5GHz

- Enter SSID.
- Click on **Next**.

**Quick Setup**

**Wireless 5GHz Basic Settings**

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

**Band:** 5 GHz (A+N+AC)

**Mode:** AP

**Network Type:** Infrastructure

**SSID:** WR5822\_5G

**Channel Width:** 80MHz

**ControlSideband:** Lower

**Channel Number:** Auto

Add to Wireless Profile

Cancel <<Back Next>>

## 802.11ac Dual Band Concurrent GbE WLAN Router

- From the **Encryption** list, choose the Encryption type and enter related parameters if necessary, as None / WEP / WPA2(AES) and WPA2 Mixed Mode (the default settings Security Mode = None). For example, the Encryption you choose is None.
- Click on **Next**.

### Quick Setup

#### 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:

None

Cancel

<<Back

Next>>

### Wireless Configuration - 2.4GHz

- Enter SSID.
- Click on **Next**.

### Quick Setup

#### Wireless 2.4GHz Basic Settings

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.

Band:

2.4 GHz (B+G+N)

Mode:

AP

Network Type:

Infrastructure

SSID:

WR5822\_2.4G

Channel width:

40MHz

ControlSideband:

Upper

Channel Number:

Auto

Add to Wireless Profile

Cancel

<<Back

Next>>

- From the **Encryption** list, choose the Encryption type and enter related parameters if necessary, as None / WEP / WPA2(AES) and WPA2 Mixed Mode (the default settings Security Mode = None). For example, the Encryption you choose is None.
- Click on **Finished**.

### Quick Setup

#### 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:

None

Cancel

<<Back

Finished

- Change setting successfully! Do not turn off or reboot the Device during this time. Please wait 20 seconds ...

Change setting successfully!

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

Please wait 19 seconds ...

- Click on " **Exit** " to exit this program.

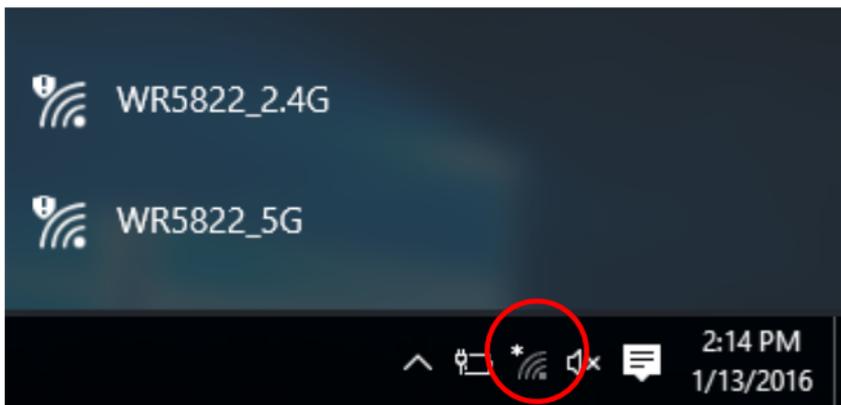


- Now, the 802.11ac WLAN AP Router has been configured completely, and suitable for Wireless and Internet Connections.

# Wireless Connection

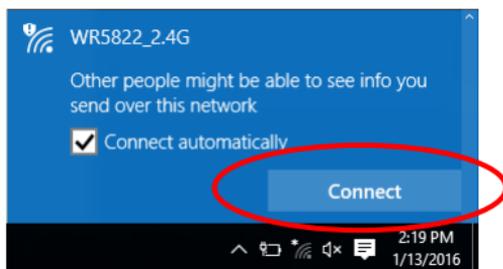
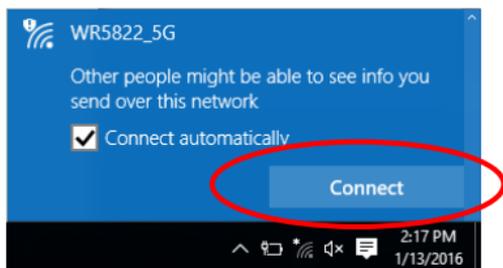
For easy installation it is saved to keep the settings. You can later change the wireless settings via the wireless configuration menu. (see user manual on the CD – Chapter 10/11 and other)

1. Double click on the wireless icon on your computer and search for the wireless network that you enter SSID name.
2. Click on the wireless network that you enter SSID name (**the default settings, Wireless Network = Enable, Default Channel = Auto, SSID = WR5822\_5G for 5GHz and WR5822\_2.4G for 2.4GHz**) to connect.



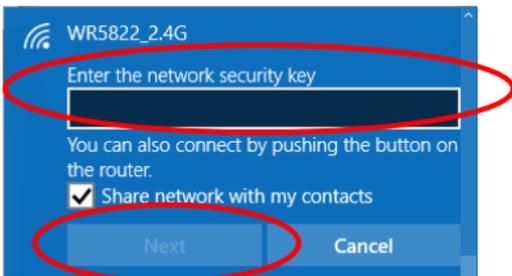
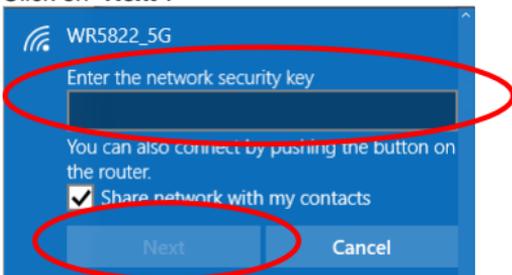
## 802.11ac Dual Band Concurrent GbE WLAN Router

3. If the wireless network isn't encrypted, click on "**Connect**" to connect.



## 802.11ac Dual Band Concurrent GbE WLAN Router

- If the wireless network is encrypted, enter the network key that belongs to your authentication type and key. **(the default settings Security Mode = None)**. You can later change this network key via the wireless configuration menu. (see user manual on the CD – Chapter 10/11 and other)
- Click on "**Next**".



Now you are ready to use the Wireless Network to Internet or intranet.

