

## RE11 / RE11S

# User Manual

01-2019/ v2.0

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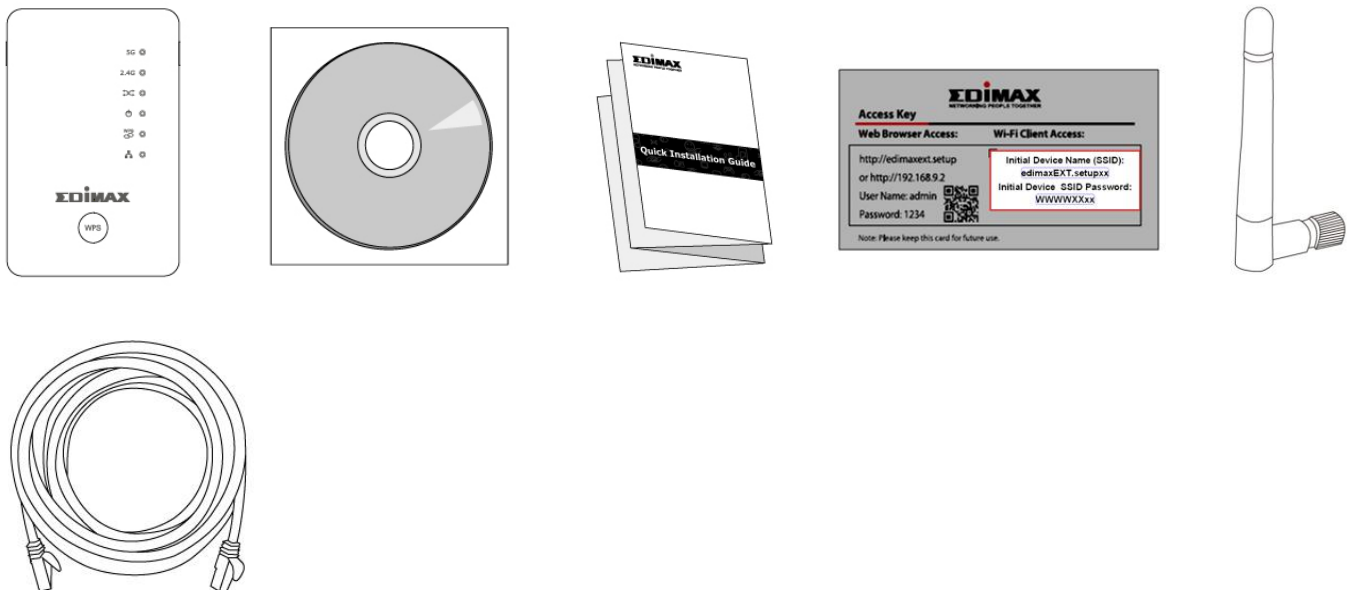
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# I. Product Information

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## I-1. Package Contents



- RE11 Package Includes: RE11S Extender x 2
- RE11S Package Includes: RE11S Extender x 1
- CD with multi-language QIG & user manual
- Quick installation guide (QIG)
- Access key card
- Antenna x2 (RE11S), Antenna x4 (RE11)
- RJ45 cable

## I-2. System Requirements

- Wi-Fi extender/Wi-Fi bridge mode: Existing 2.4GHz and/or 5GHz wireless network
- Access point mode: Cable/DSL modem router
- Computer with 802.11/b/g/n/a/ac Wi-Fi adapter, and web browser for software configuration (Internet Explorer, Google Chrome, Firefox, Opera or Safari latest version)
- Smartphone setup: iOS 6 or Android 4.x and above

### I-3. LED Status



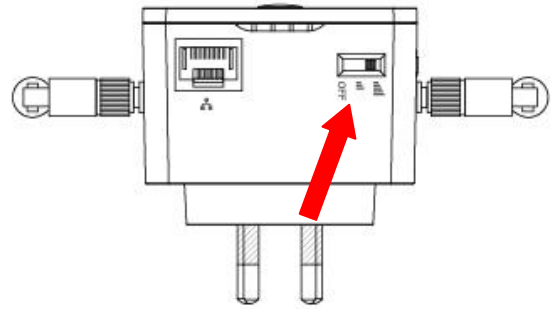
***All LEDs are disabled in sleep mode. The best signal strength is 60 – 80% since above 80% is likely too close to your router for the extender to be effective.***

LED	Color	Status	Description
Signal 5GHz	Blue	On	Excellent location. Signal strength: 60 – 80%
		Slow Flashing	Good location. Signal strength: 40 – 60% & 80 - 100%
		Quick Flashing	Poor location. Signal strength: Below 40%
		Off	No signal detected.
Signal 2.4GHz	Blue	On	Excellent location. Signal strength: 60 – 80%
		Slow Flashing	Good location. Signal strength: 40 – 60% & 80 - 100%
		Quick Flashing	Poor location. Signal strength: Below 40%
		Off	No signal detected.
Roaming Status	Green	On	Extender is a master device.
		Flashing	Syncing data.
		Off	Extender is a slave device.
Power	Green	On	Extender is on.

		Flashing	Resetting to factory default settings, or system is booting up.
		Off	Extender is off.
<b>WPS</b>	<b>Green</b>	On	WPS connection established (LED will remain on for 30 seconds to indicate a successful connection).
		Flashing	WPS in progress (waiting for another WPS device).
		Off	No WPS in progress.
<b>LAN</b>	<b>Green</b>	On	LAN port connected.
		Off	LAN port not connected.

## I-4. Switch

The RE11S includes a hardware switch on the underside of the device which can switch between normal, green mode and sleep mode as shown in the table below. “Wi-Fi power” refers to the strength of the extender’s wireless radio signal (Tx).



If you are using the extender in a small or medium sized space, you may not need the full power of the wireless radio. Try it, and determine if you still have sufficient Wi-Fi coverage using green mode. If so, you can save some energy.

Mode	Switch Position	Description
Normal	Top	100% Wi-Fi power
Green Mode	Middle	25% Wi-Fi power
Sleep Mode	Bottom	Wi-Fi & LEDs off & Disable Ethernet Port



***Tx power can also be adjusted using the web-based U.I. (Administration → Wireless). Set the switch to “Normal” before adjusting the Tx value in the web-based U.I.***

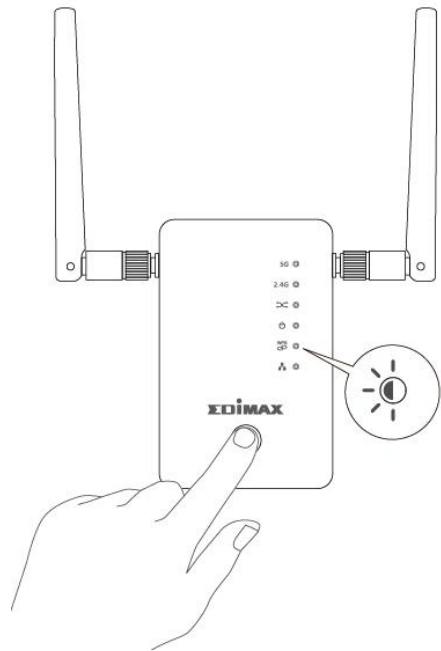
## I-5. Add Another RE11S To Your Network

If you already have a master extender set up, then adding another RE11S extender to your network is easy with the WPS button. New extenders automatically follow the Wi-Fi settings of the master RE11S linked to your router.



***If you don't already have a master extender set up, follow the next chapter II. Master Installation and first install a master instead.***

- 1.** Press the WPS button on your master extender for **3 seconds**.
- 2.** **Within two minutes**, press and hold the WPS button for **3 seconds** on the new extender you would like to add. The extender's **green** WPS LED should flash to indicate that WPS is in progress.
- 3.** Please wait while the devices will establish a connection. **This can take up to 2 minutes.**
- 4.** Both extenders' **green** WPS LED should display on for 30 seconds to indicate a successful connection. (If not, please restart each device and try again).

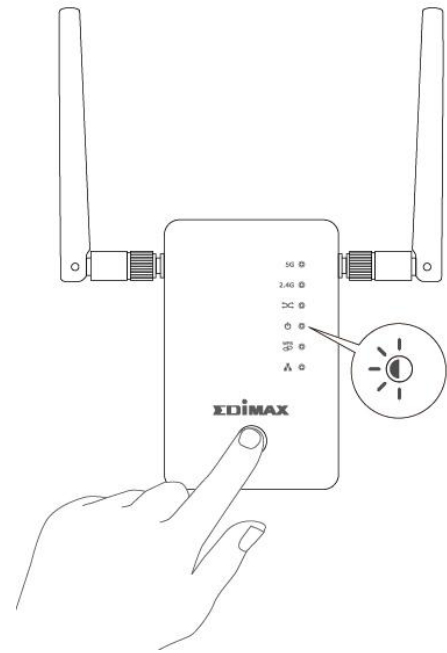




## I-6. Reset to Factory Default Settings

If you experience problems with your extender or if you want to change the extender to a different operating mode, you can reset the device back to its factory settings. This resets **all** settings back to default.

- 1.** Press and hold the WPS button for at least 10 seconds and release when the **green** power LED is **flashing**.
- 2.** Wait for the extender to restart. The extender is ready for setup when the **green** power LED displays **on**.



## **I-7. 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 RE11S.
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.
9. If you smell burning or see smoke coming from the RE11S then unplug the device immediately, as far as it is safely possible to do so. Call your dealer of purchase for help.

## II. Master Installation

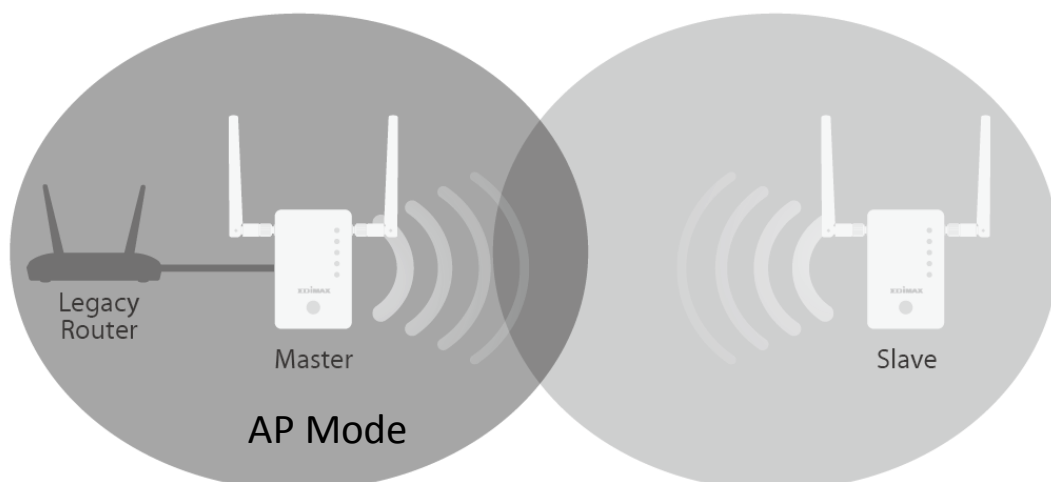
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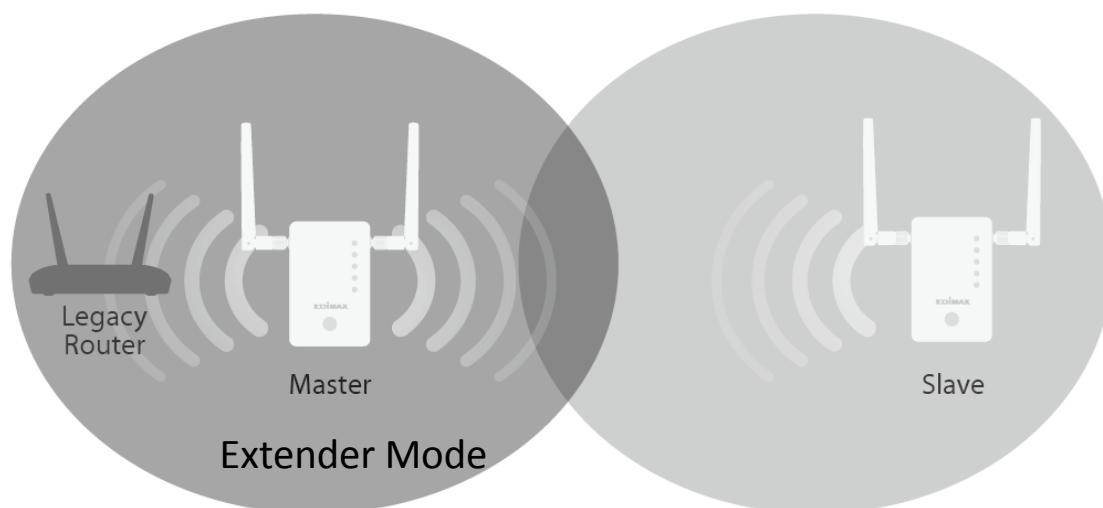
RE11S extenders supports roaming. This means with two or more roaming devices set up, your Wi-Fi devices (smartphones, tablets etc.) will automatically connect to the best available Wi-Fi signal as you move around.




**You only need to setup one extender to join your existing Wi-Fi network.** This acts a master extender.

Then, **additional extenders** can be added simply using the **WPS** button. These extenders act as **slaves** and automatically follow the Wi-Fi settings of the **master**.





Each RE11S can function in one of three modes. To use roaming, setup your **master** extender in **Wi-Fi Extender** or **Wi-Fi Access Point** mode.

 ***Please ensure your router's DHCP server is enabled. For most routers this is enabled by default. If your DHCP server is disabled, you will need to assign an IP address to your extenders. Refer to the user manual for more help.***

Additional (slave) extenders will automatically be set to Wi-Fi Extender mode via the WPS button. (See **I-5. Add Another RE11S To Your Network**)

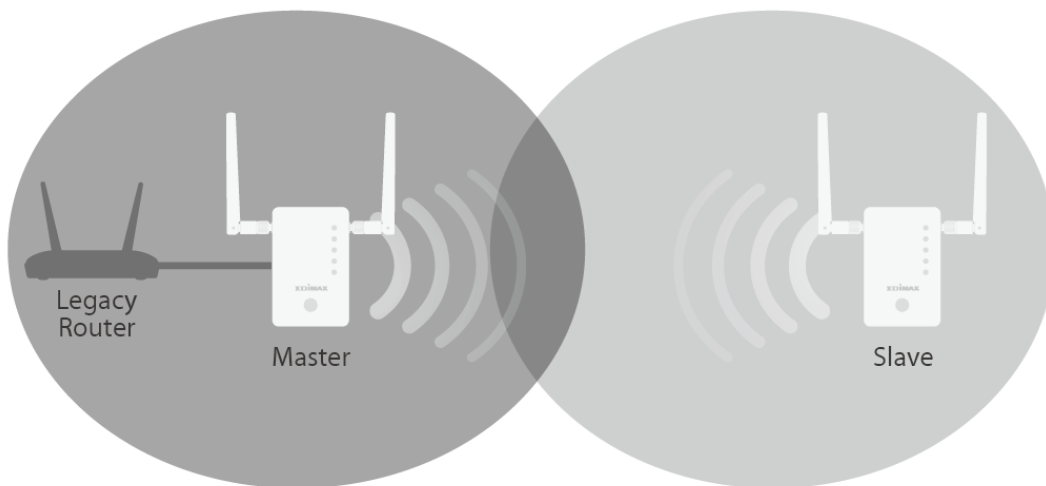
<b>Wi-Fi Extender</b>	<p><i>The device connects wirelessly to your existing network and repeats the wireless signal.</i></p> <p><b>Location:</b> The best location for your extender is roughly in the middle between your existing wireless router/access point and the dead zone. The extender needs to receive a good Wi-Fi signal from your router/access point.</p>
<b>Wi-Fi Access Point</b>	<p><i>The device connects to an existing router via Ethernet cable and provides wireless Internet access for your network devices.</i></p> <p><b>Location:</b> Connected to your router via Ethernet cable.</p>
<b>Wi-Fi Bridge (Wi-Fi Adapter)</b>	<p><i>The device connects to an Ethernet device such as a games console or smart TV via Ethernet cable and provides wireless Internet access for that device.</i></p> <p><b>Location:</b> Within Wi-Fi coverage, close to your wired network device.</p>

## II-1. Access Point Mode: Zero Setup

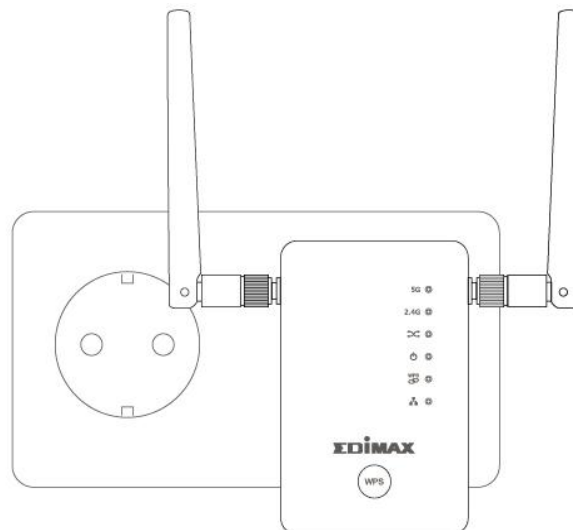
Just plug in and connect the RE11S to your router with an Ethernet cable as shown below. The RE11S will automatically link to your router and use the **Wi-Fi name and password on your access card**.



***You can also use iQ Setup to set up Access Point Mode instead, as shown in II-2. iQ Setup. With iQ Setup you can set your own Wi-Fi name, password and IP address.***



1. Connect the network port of your RE11S to the LAN port of your existing router using an Ethernet cable.
2. Plug the RE11S into a power socket.

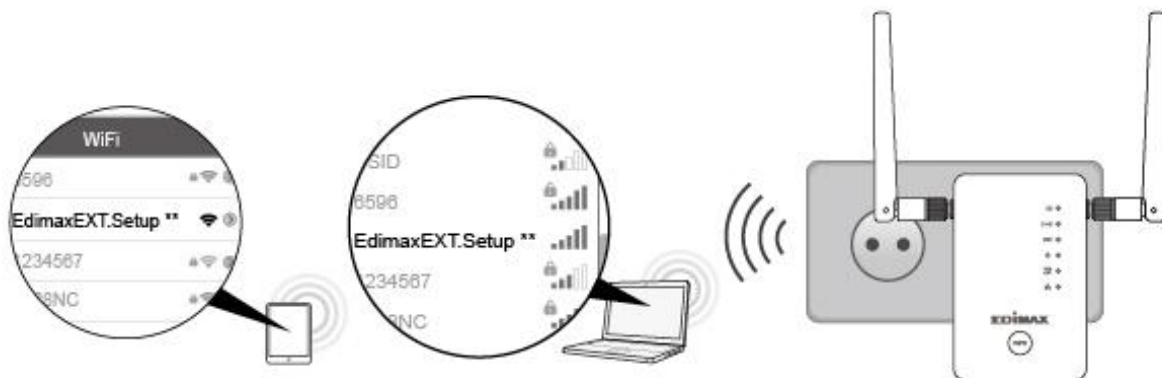


3. The **green** power LED will **flash** while the extender is starting up. The device is ready when the **green** power LED displays **on**.

- 4.** Please refer to the default Wi-Fi SSID and password printed on the Access Key Card to connect Wi-Fi.



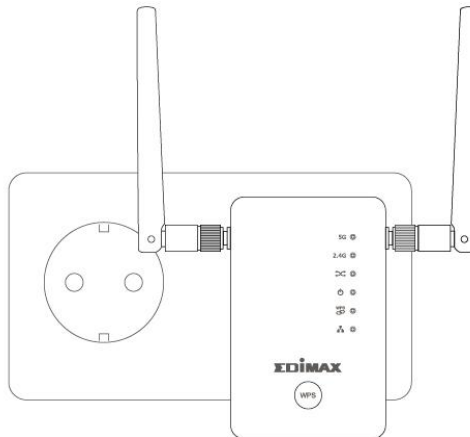
***If you are using a computer, please disconnect any Ethernet cables.***



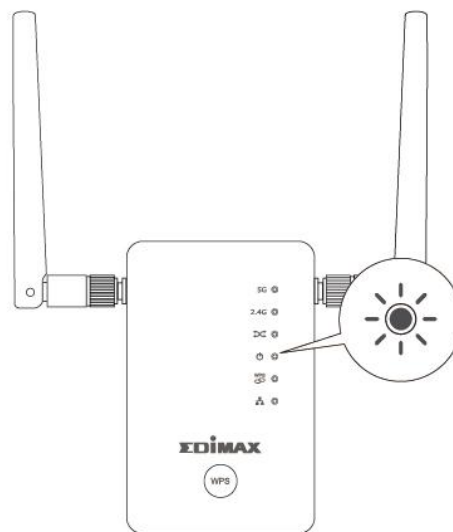
- 5.** See I-5. **Add Another RE11S To Your Network** to add a second extender.

## II-2. iQ Setup

1. Plug the RE11S into a power socket.



2. The **green** power LED will **flash** while the extender is starting up. The device is ready when the **green** power LED displays **on**.



3. Use a Wi-Fi device to connect to the SSID “EdimaxEXT.Setup \*\*”. The default Wi-Fi SSID and password is printed on the Access Key Card.

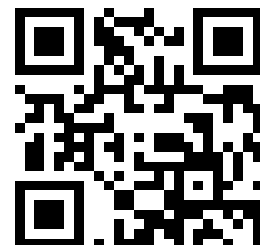
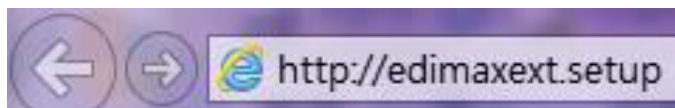





***If you are using a computer, please disconnect any Ethernet cables.***



- 4.** Open a web browser and enter the URL ***<http://edimaxext.setup>*** or scan the QR-Code below and click **Get Started**.





 ***If you cannot access <http://edimaxext.setup>, please make sure your computer is set to use a dynamic IP address. For more information please refer to the user manual.***

- 5.** Select **Yes, I need a Range Extender** to continue setup as a Wi-Fi extender or **Change to a Different Mode** to set up a different mode.



- 6.** Follow the on-screen instructions for your selected mode to complete setup. You can configure the product for 2.4 GHz or 5GHz Wi-Fi.
- 7.** See **I-5. Add Another RE11S To Your Network** to add a second extender.



***To switch devices between “master” and “slaves”, unplug any Ethernet cables and reset the devices back to factory defaults and then setup again.***



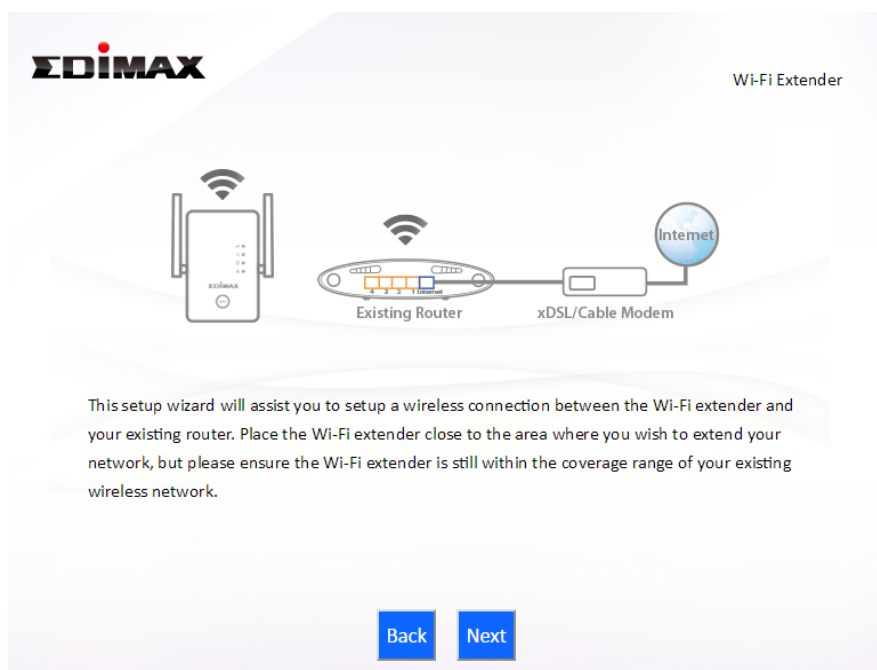
***Extenders in AP mode will use different SSIDs than each other.***

*For more advanced configurations, use the browser based configuration interface at <http://edimaxext.setup>*

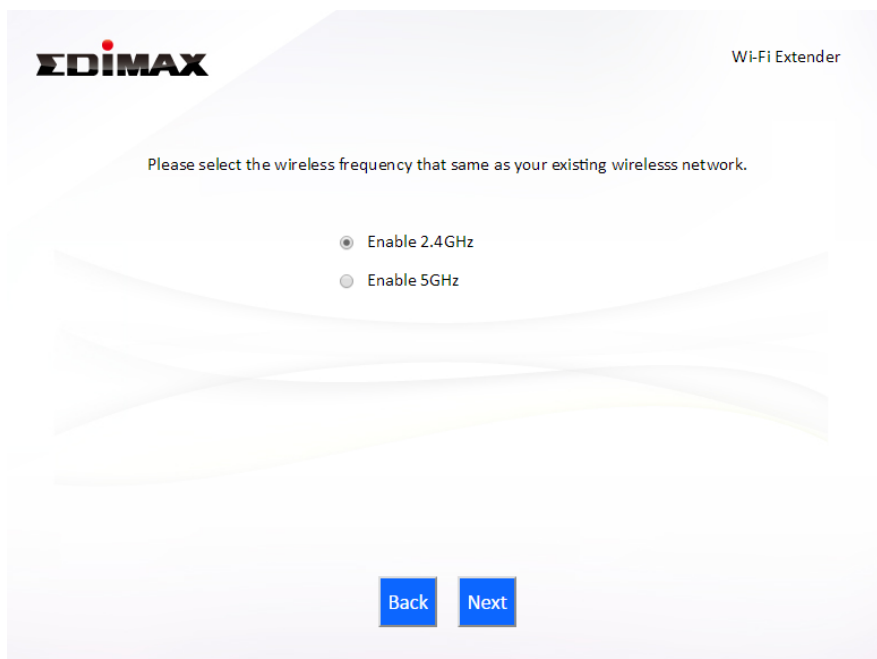


## II-2-1. Wi-Fi Extender Mode

1. Please ensure your RE11S is within Wi-Fi range of your existing wireless router. Click “Next” to continue.



2. Select whether to use the 2.4GHz wireless frequency or 5GHz wireless frequency and then click “Next”.



3. Select the Wi-Fi network name (SSID) which you wish to connect to and click “Next” to continue.



***If the Wi-Fi network you wish to connect to does not appear, try clicking “Refresh”.***

EDIMAX Wi-Fi Extender

2.4GHz Wireless Site Survey

The Wi-Fi extender is surveying all available routers nearby. Please select the router you wish to connect to. If the router you wish to connect is not listed, try clicking "Refresh". To connect to a hidden SSID please select "Setup extender manually".

☐ Setup extender manually

Select	SSID	Signal
<input checked="" type="radio"/>	edimax	100%
<input type="radio"/>	max866799	20%

Back Refresh Next



***To connect to a hidden SSID, check the “Setup extender manually” box and enter the details manually on the next page, as shown below.***

EDIMAX Wi-Fi Extender

2.4GHz Wireless Site Survey

Please set a new Wi-Fi network name (SSID) for the range extender if you wish, and set the security key for your existing wireless network if required.

Wi-Fi network name (SSID):

Range extender SSID:

Hide SSID ☐ Enable

Encryption WPA2

Security Type ☐ TKIP ☒ AES

Key Format Passphrase

Wi-Fi password (Security Key):

Back Next

4. Enter the SSID (network name) you want to use for your extender and your existing wireless network's security key/password and then click "Next" to continue.

***Your Wi-Fi roaming network will use the same password as your existing Wi-Fi by default.***



***If you have an Edimax router which supports Wi-Fi roaming, after setup your extender's SSID will automatically switch to the same as your existing Wi-Fi for seamless roaming. For other routers, your extender will use the SSID you enter below.***

**EDIMAX** Wi-Fi Extender

**2.4GHz Wireless Site Survey**

You select to extend Wi-Fi network (SSID) : edimax

Please assign different SSID to the new Wi-Fi roaming network to differentiate from your existing non-roaming Wi-Fi network. We suggest you always try to use the Wi-Fi roaming network.

The original Wi-Fi network and the extended Wi-Fi roaming network use the same security key. Please set the security key for your existing wireless network if required.

2.4GHz Wi-Fi extender SSID:  ☐ Hide SSID

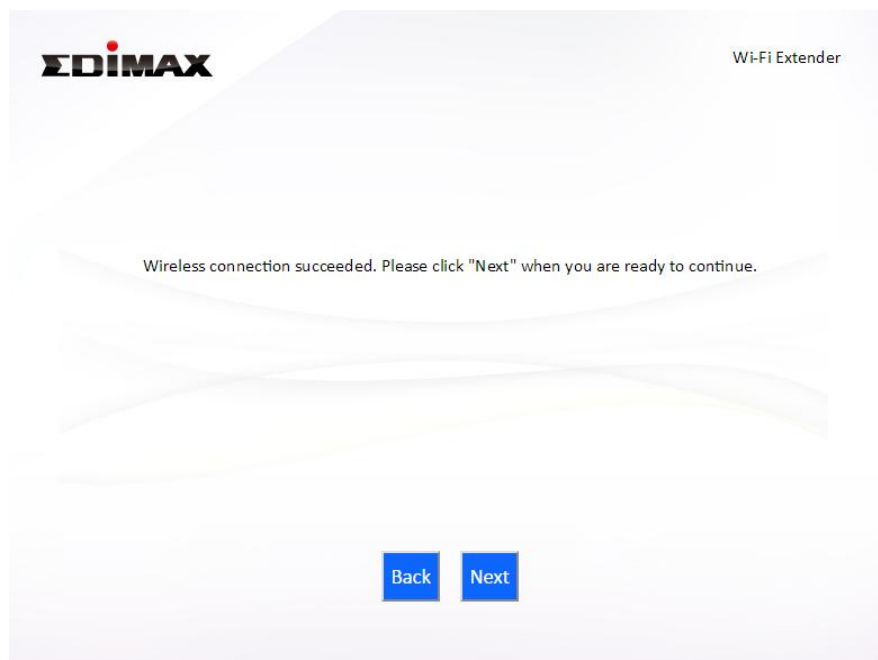
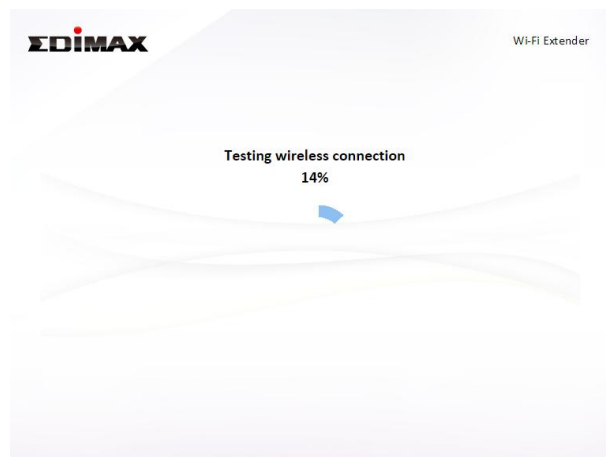
5GHz Wi-Fi extender SSID:  ☐ Hide SSID

Security Key:




***The Hide SSID boxes can be checked to make the SSID invisible in devices' Wi-Fi settings. You can connect to hidden SSIDs with your Wi-Fi devices by manually entering the SSID name.***

5. Wait a moment while the RE11S **tests** the wireless connection.



6. Select “Obtain an IP address automatically” or “Use the following IP address” for your RE11S. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click “Next” to proceed to the next step.

 ***“Obtain an IP address automatically” is the recommended setting for most users. The IP address will be displayed in brackets.***

EDIMAX Wi-Fi Extender

Connection test complete. Please click "Next" when you are ready to continue.

☒ Obtain an IP address automatically  
 (IP : 192.168.0.107)

☐ Use the following IP address

IP address :  .  .  .   
 Subnet Mask :  .  .  .   
 Default gateway :  .  .  .   
 DNS :  .  .  .

Back Next

- 7.** A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click “Next” to proceed.

EDIMAX Wi-Fi Extender


Configuration is complete. It is recommended that you backup your settings, please click "Backup this configuration" to do so. Then click "Next" when you are ready to continue.

(2.4 GHz) Wi-Fi network name : edimaxroaming  
 Wi-Fi password :

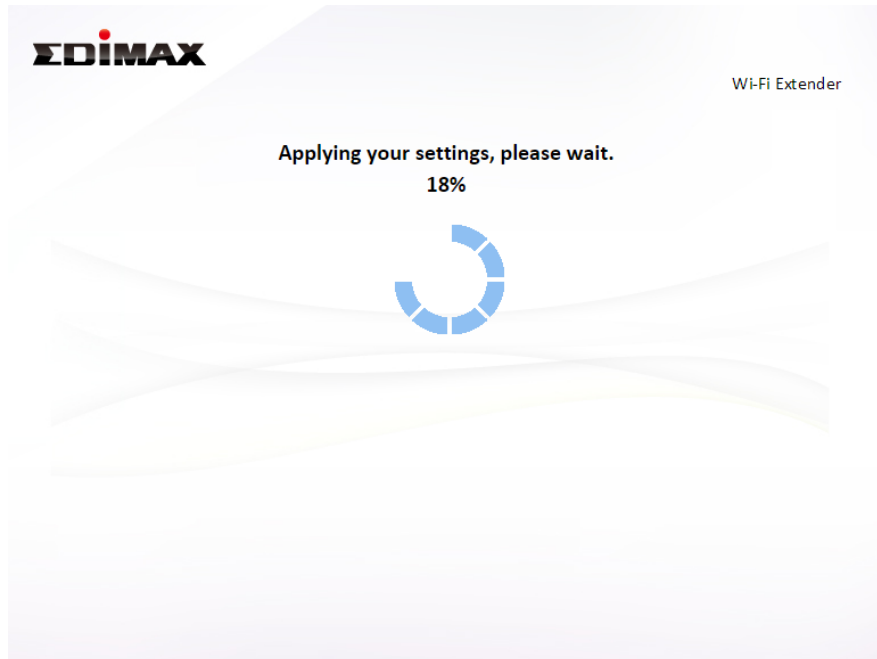
(5 GHz) Wi-Fi network name : edimaxroaming5  
 Wi-Fi password :

Backup this configuration

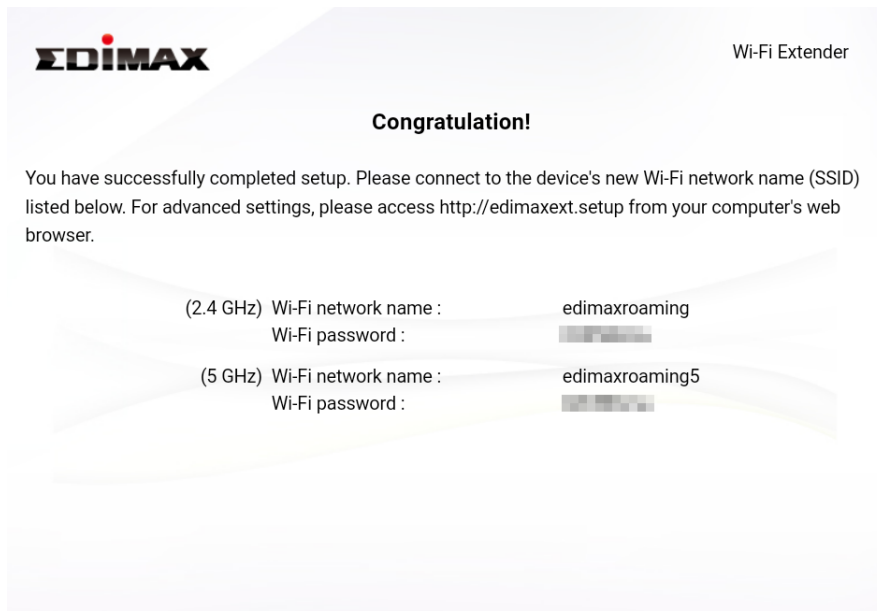
Back Next

 ***If you wish to backup the RE11S’s settings, click “Backup this configuration” to save your current configuration to a .txt file.***

**8.** Please wait a moment until the RE11S is ready.



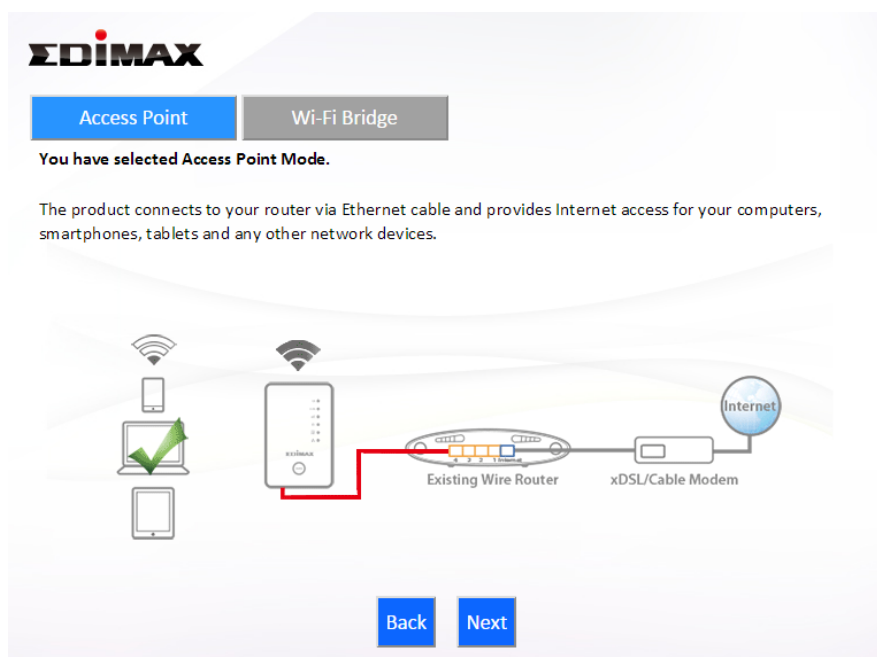
**9.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.



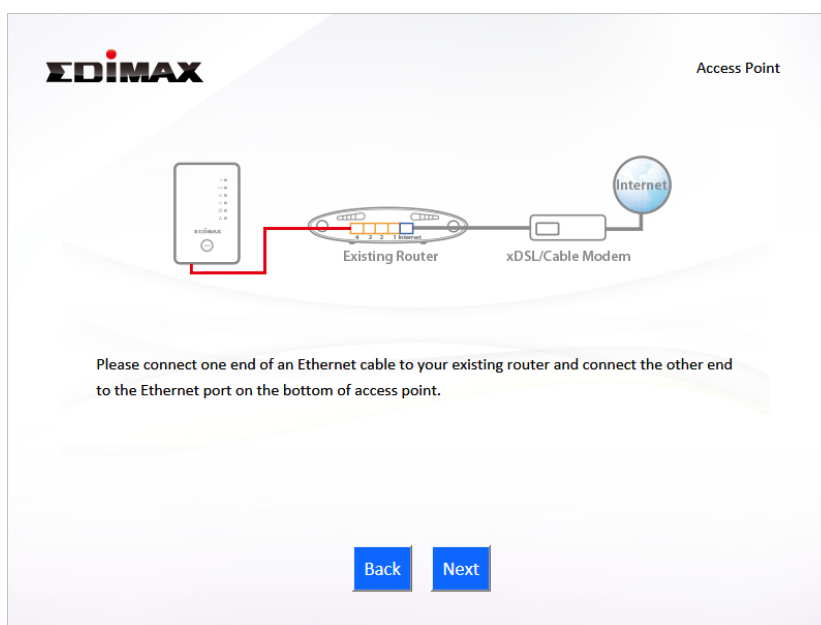
**10.** The RE11S is working and ready for use. Refer to [IV-2. Connecting to a Wi-Fi network](#) if you require more guidance.

## II-2-2. Access Point Mode

1. Select “Access Point” from the top menu and click “Next”.

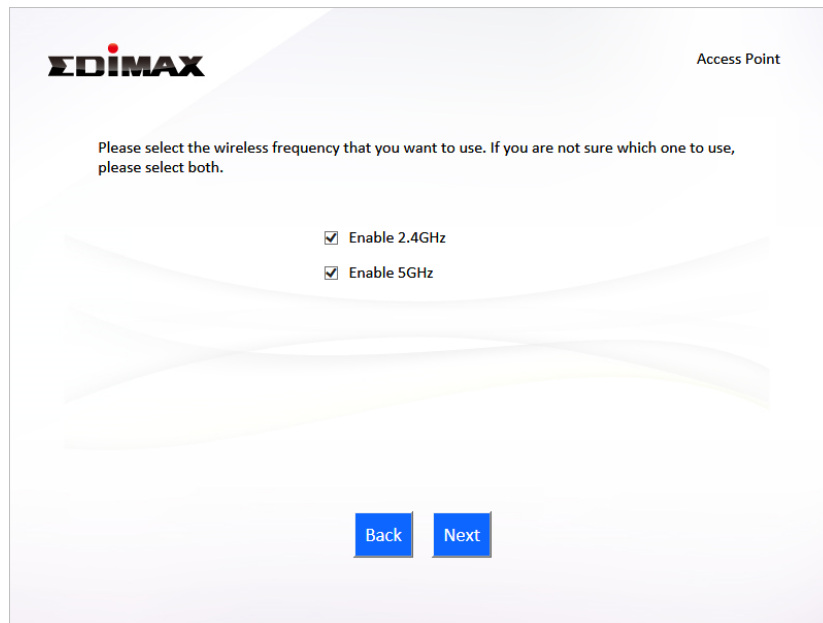


2. Connect the network port of your RE11S to the LAN port of your existing router using an Ethernet cable, then click “Next”.





3. Select whether to use the 5GHz wireless frequency, 2.4GHz wireless frequency or both. If you are not sure, select both.



EDIMAX Access Point

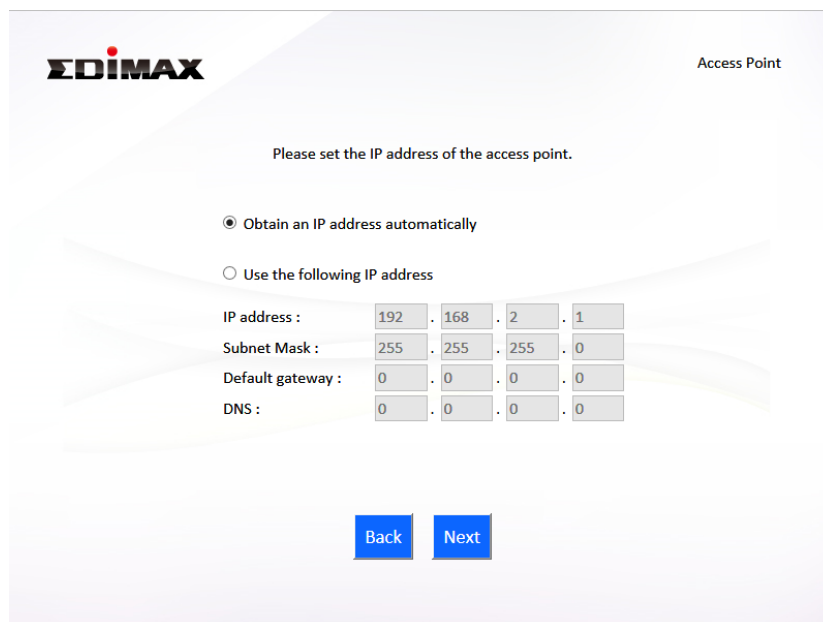
Please select the wireless frequency that you want to use. If you are not sure which one to use, please select both.

☒ Enable 2.4GHz

☒ Enable 5GHz

Back Next

4. Select “Obtain an IP address automatically” or “Use the following IP address” for your RE11S. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click “Next” to proceed to the next step.



EDIMAX Access Point

Please set the IP address of the access point.

☒ Obtain an IP address automatically

☐ Use the following IP address

IP address : 192 . 168 . 2 . 1

Subnet Mask : 255 . 255 . 255 . 0

Default gateway : 0 . 0 . 0 . 0

DNS : 0 . 0 . 0 . 0

Back Next



***“Obtain an IP address automatically” is the recommended setting for most users. For more guidance on static IP addresses, please refer to [IV-1. Configuring your IP address.](#)***

5. Enter a name and password for your 2.4GHz & 5GHz wireless networks, then click “Next” to continue.

The screenshot shows the EDIMAX Access Point configuration interface. At the top left is the EDIMAX logo, and at the top right is the text "Access Point". Below the logo, a message reads: "Please set your Wi-Fi network name (SSID) and Wi-Fi password." There are two sets of input fields. The first set is for the 2.4GHz network, with the label "Wi-Fi network name (2.4GHz):" and a text box containing "edimax\_2.4G\_0793AC", and the label "Wi-Fi password (WPA2-AES):" with a text box containing "abcd1234" and a note "(at least 8 characters)". The second set is for the 5GHz network, with the label "Wi-Fi network name (5GHz):" and a text box containing "edimax\_5G\_0793AD", and the label "Wi-Fi password (WPA2-AES):" with a text box containing "abcd1234" and a note "(at least 8 characters)". At the bottom are two blue buttons: "Back" and "Next".

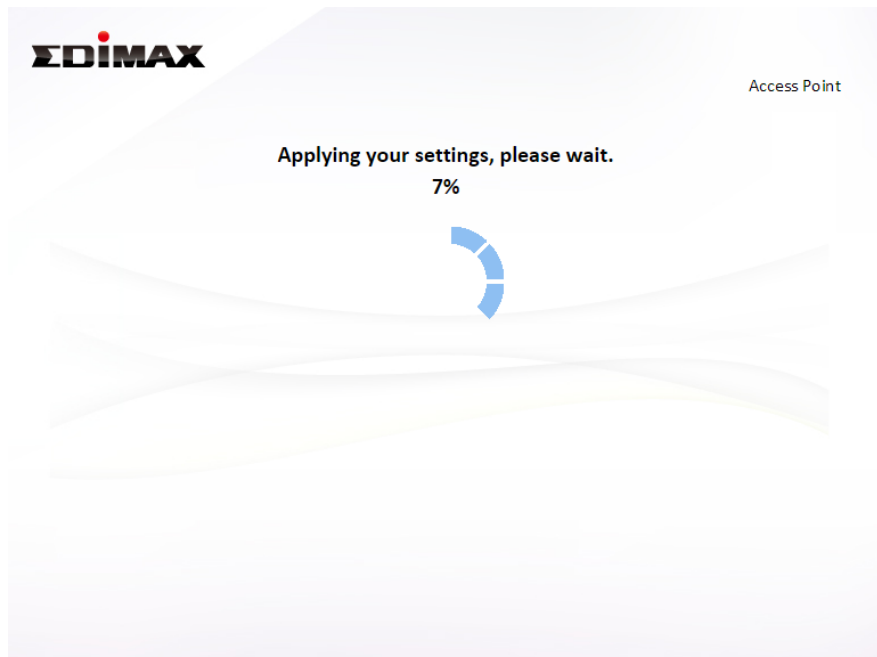
6. A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click “Next” to proceed.

The screenshot shows the EDIMAX Access Point configuration interface displaying the configuration summary. At the top left is the EDIMAX logo, and at the top right is the text "Access Point". Below the logo, a message reads: "Configuration is complete. It is recommended that you backup your settings, please click 'Backup this configuration' to do so. Then click 'Next' when you are ready to continue." There are two sections of configuration details. The first section is for the 2.4 GHz network, with the label "(2.4 GHz) Wi-Fi network name :" and the value "edimax\_2.4G\_0793AC", and the label "Wi-Fi password :" and the value "abcd1234". The second section is for the 5 GHz network, with the label "(5 GHz) Wi-Fi network name :" and the value "edimax\_5G\_0793AD", and the label "Wi-Fi password :" and the value "abcd1234". Below these details is a button labeled "Backup this configuration". At the bottom are two blue buttons: "Back" and "Next".

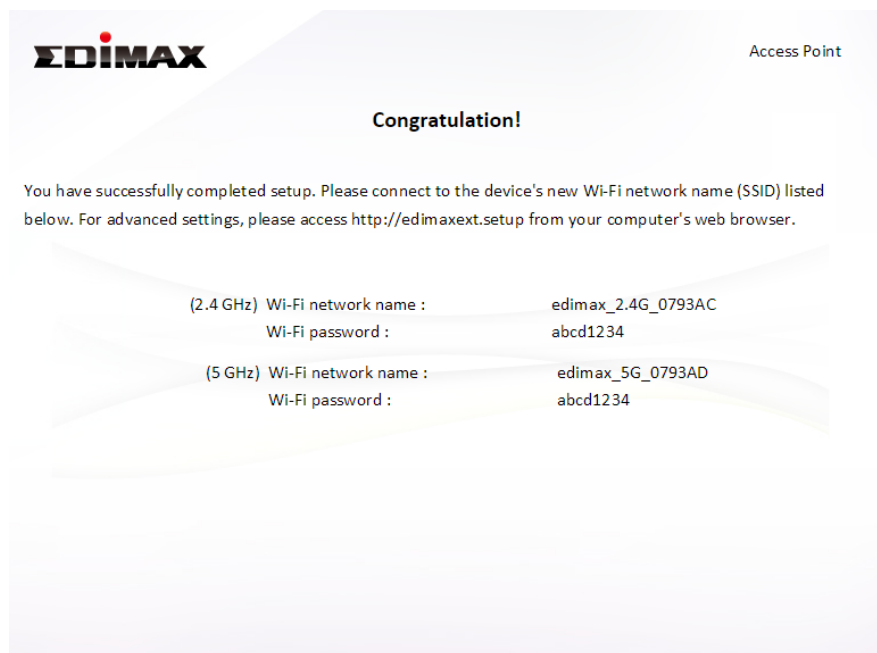


***If you wish to backup the device's settings, click “Backup this configuration” to save your current configuration to a .txt file.***

**7.** Please wait a moment until the RE11S is ready.



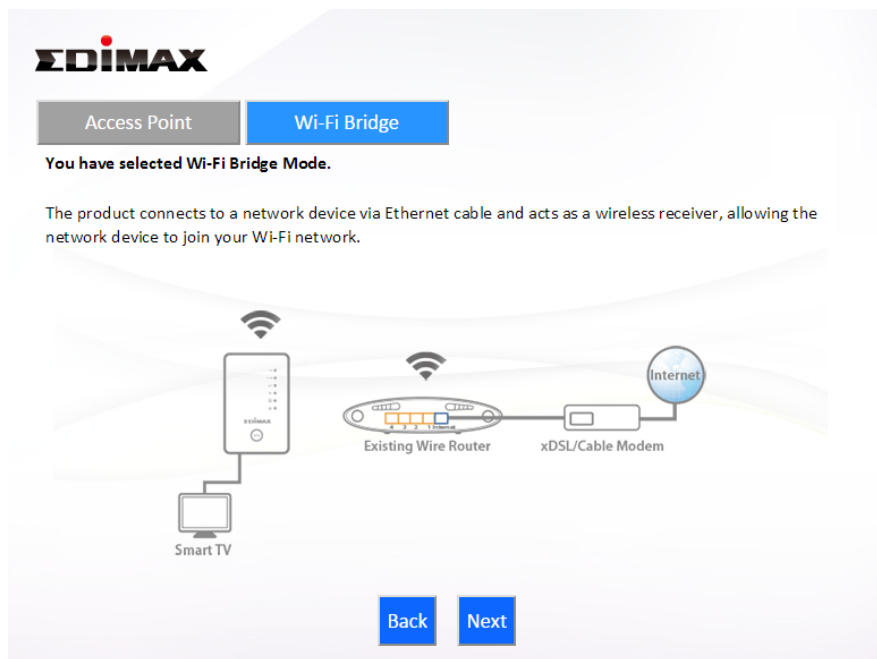
**8.** A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.



**9.** The RE11S is working and ready for use. Refer to [IV-2. Connecting to a Wi-Fi network](#) if you require more guidance.

## II-2-3. Wi-Fi Bridge Mode

1. Select “Wireless Bridge” from the top menu and click “Next”.



2. Please ensure your RE11S is within Wi-Fi range of your existing wireless router. Click “Next” to continue.



**3.** Select the frequency (2.4GHz or 5GHz) of your existing wireless network.



***In wireless bridge mode, the RE11S can only connect to one wireless network/frequency i.e. 2.4GHz or 5GHz.***

EDIMAX Wi-Fi Bridge

Please select the wireless frequency that same as your existing wireless network.

☒ 1. Enable 2.4GHz  
☐ 2. Enable 5GHz

Back Next

**4.** Select the Wi-Fi network name (SSID) which you wish to connect to and click “Next” to continue.



***If the Wi-Fi network you wish to connect to does not appear, try clicking “Refresh”.***

EDIMAX Wi-Fi Bridge

**2.4GHz Wireless Site Survey**

The Wi-Fi extender is surveying all available routers nearby. Please select the router you wish to connect to. If the router you wish to connect is not listed, try clicking "Refresh". To connect to a hidden SSID please select "Setup extender manually".

☐ Setup extender manually

Select	SSID	Signal
<input type="radio"/>	edimax	100%
<input type="radio"/>	max866799	20%

Back Refresh Next



**To connect to a hidden SSID, check the “Setup extender manually” box and enter the details manually on the next page, as shown below.**

EDIMAX Wi-Fi Bridge

### 2.4GHz Wireless Site Survey

Please enter your existing Wi-Fi network name (SSID) and security key if required.

Wi-Fi network name (SSID):

Encryption:

Security Type: ☐ TKIP ☒ AES

Key Format:

Wi-Fi password (Security Key):

5. Enter your existing wireless network's security key/password in the “Security Key” field and click “Next” to continue.

EDIMAX Wi-Fi Bridge

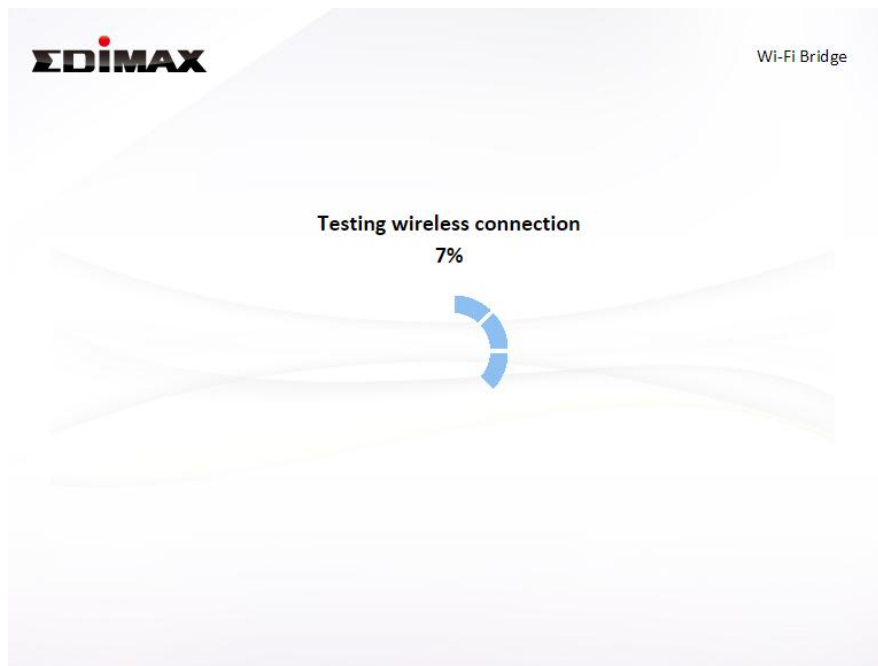
### 2.4GHz Wireless Site Survey

Please enter your existing Wi-Fi network security key if required.


Device SSID:

Security Key:

6. Wait a moment while the RE11S tests the wireless connection.

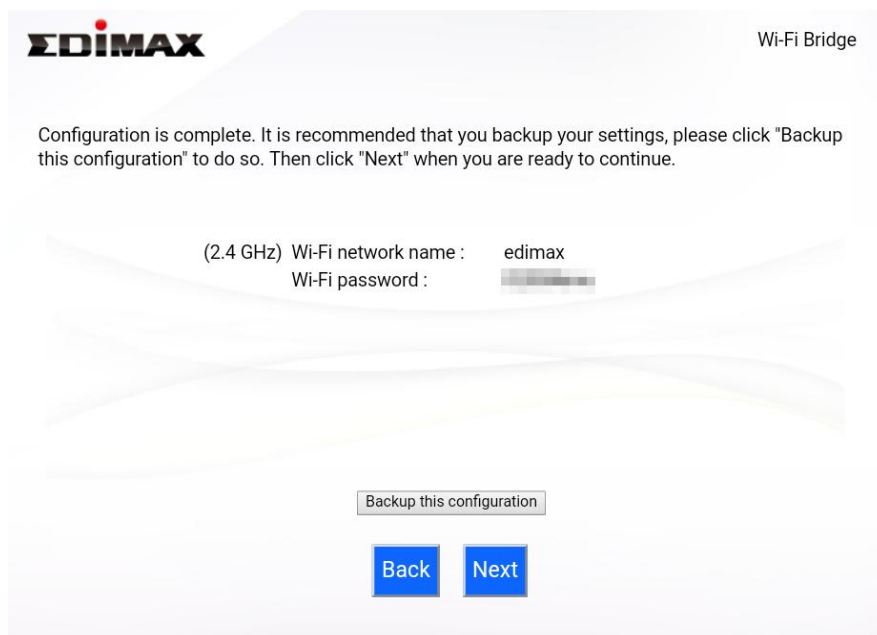


7. Select “Obtain an IP address automatically” or “Use the following IP address” for your RE11S. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click “Next” to proceed to the next step.

 ***“Obtain an IP address automatically” is the recommended setting for most users. The IP address will be displayed in brackets.***

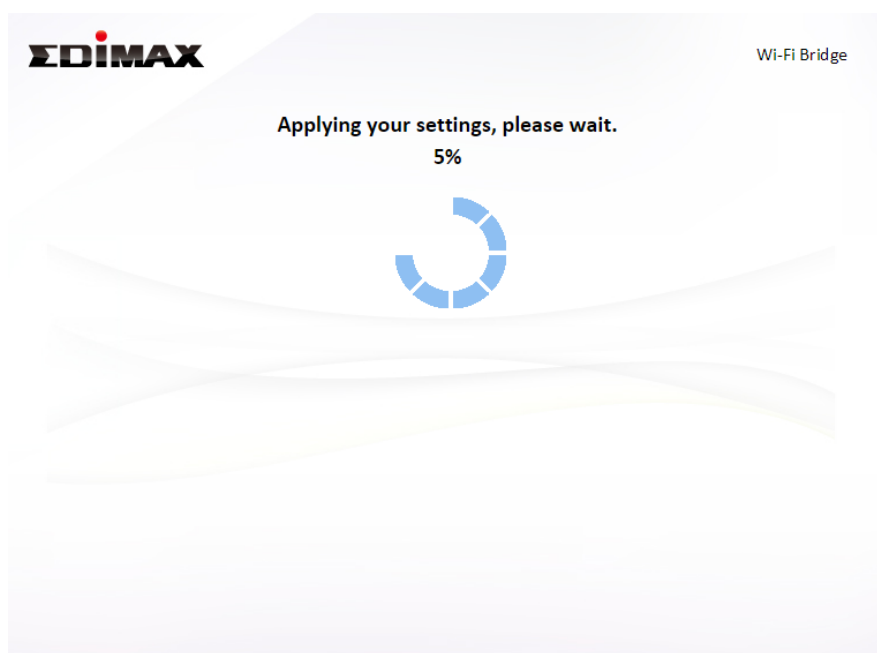
A screenshot of the EDIMAX Wi-Fi Bridge setup interface. At the top left is the EDIMAX logo, and at the top right is the text 'Wi-Fi Bridge'. Below the logo, it says 'Connection test complete. Please click "Next" when you are ready to continue.' There are two radio button options: 'Obtain an IP address automatically (IP : 192.168.0.107)' which is selected, and 'Use the following IP address'. Below these options are input fields for 'IP address', 'Subnet Mask', 'Default gateway', and 'DNS', each with four individual digit boxes. At the bottom, there are two blue buttons labeled 'Back' and 'Next'.

8. A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click “Next” to proceed.



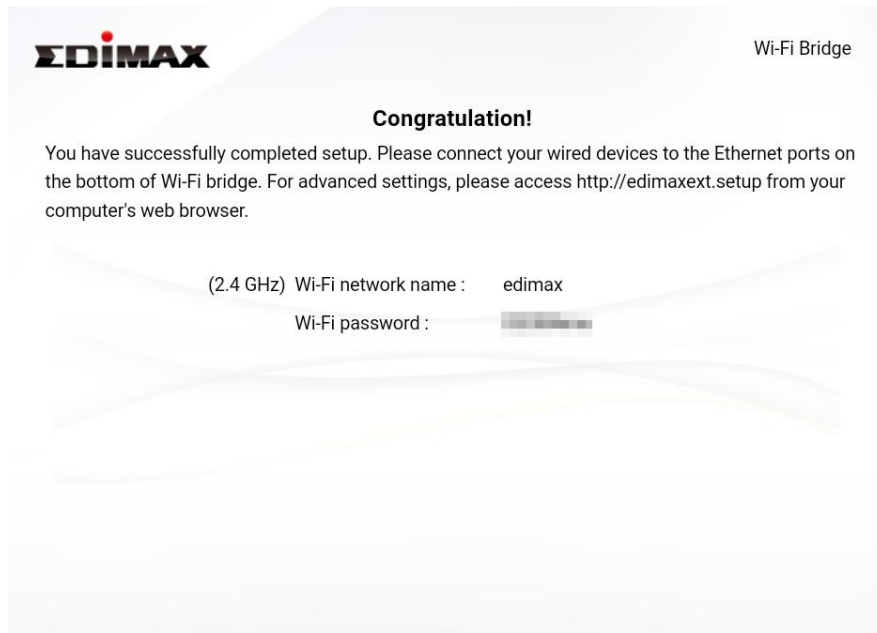
 ***If you wish to backup the RE11S's settings, click “Backup this configuration” to save your current configuration to a .txt file.***

9. Please wait a moment until the RE11S is ready.





- 10.** A final congratulations screen will indicate that setup is complete. Please close the browser window.



- 11.** The RE11S is working and ready for use. You can now connect the RE11S to your network device using an Ethernet cable and connect to your network as usual.

### III. Browser Based Configuration Interface

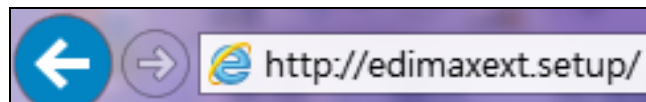
After you have setup the RE11S as detailed in [II. Installation](#) or the included **Quick Installation Guide**, you can use the browser based configuration interface to configure advanced settings.



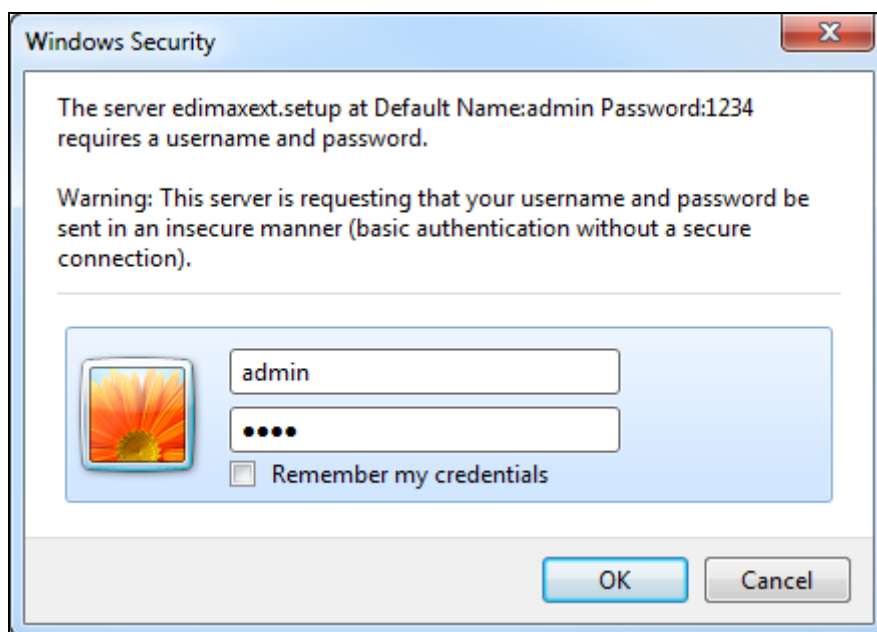
**Please ensure that your computer is set to use a dynamic IP address. Refer to [IV-1. Configuring your IP address](#) for more information.**

#### III-1. Login


1. To access the browser based configuration interface enter ***http://edimaxext.setup*** into the URL bar of a browser on a network device connected to the same Wi-Fi network as the RE11S.



2. You will be prompted for a username and password. The default username is “admin” and the default password is “1234”.



3. You will arrive at the “Status and Information” screen. Use the menu down the left side to navigate.

 **EDIMAX**  
NETWORKING PEOPLE TOGETHER

Wi-Fi Extender

English ▼

► Status

► Setup Wizard

► LAN

► 2.4GHz Wireless

► 5GHz Wireless

► Administration

Help

System Status

System	
Model	RE11S
Current Time	2017/3/22 22:03:34
Firmware Version	1.06
<a href="#">Check the latest version</a>	

Access Point Status	
<input checked="" type="radio"/> 2.4GHz <input type="radio"/> 5GHz	
Status	Enable
SSID	edimax
Channel Number	11
Security	WPA2(AES)
MAC Address	00:11:22:33:44:50

LAN	
IP Address	192.168.2.109
Subnet Mask	255.255.255.0
Default Gateway	192.168.2.9
MAC Address	00:11:22:33:44:50

Wi-Fi Extender Status ( 2.4G )	
Status	Connect
Signal Strengths	<div><div></div></div> 84%
Extended SSID	edimax
Channel Number	11
Security	WPA2(AES)

## III-2. Save Settings

1. After you configure any settings, click the “Save Settings” button at the bottom of the screen to save your changes.



***The device needs to restart in order to bring any changes into effect.***

2. Then, click “Click here to restart” in order to restart the device and bring the changes into effect.

Settings have been saved. Please [click here to restart](#) the device and bring the new settings into effect.

3. To make several changes at once, use the “Save Settings” button after each change and then click “click here to restart” after your final change. Only one restart is necessary as long as each change is saved with the “Save Settings” button.



***After you click “click here to restart”, all saved changes will come into effect.***

### III-3. Main Menu

The main menu displays different options depending on your device's operating mode. Please refer to the following chapters for guidance on each mode.

#### *Wi-Fi Extender*

► Status
► Setup Wizard
► LAN
► 2.4GHz Wireless
► 5GHz Wireless
► Administration

#### *Access Point*

► Status
► Setup Wizard
► LAN
► 2.4GHz Wireless
► 5GHz Wireless
► Advanced
► Administration

#### *Wi-Fi Bridge*

► Status
► Setup Wizard
► Administration

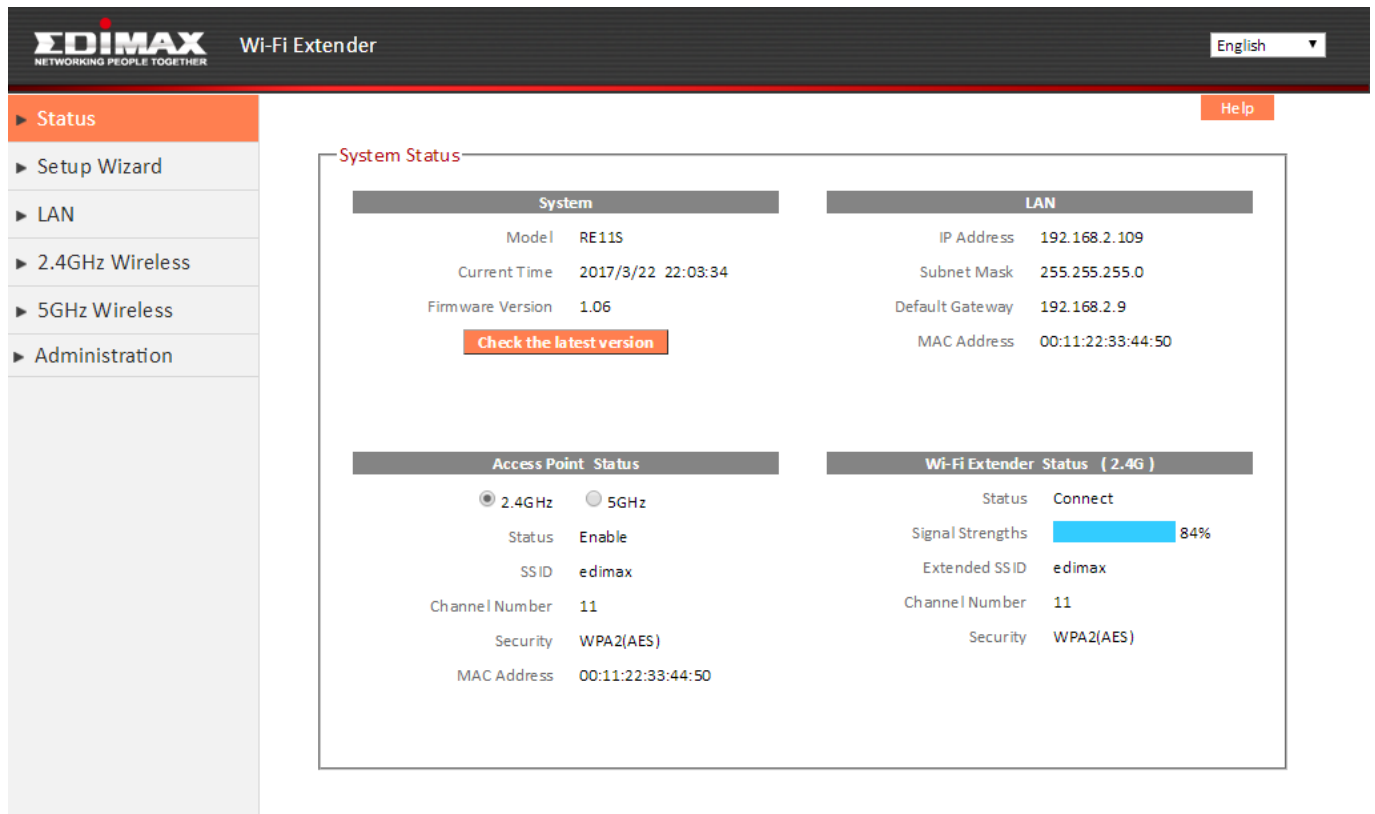
### III-3-1. Status



The “Status” page displays basic system information about the device, arranged into categories.



**Screenshots displayed are examples. The information shown on your screen will vary depending on your configuration.**

A screenshot of the Edimax Wi-Fi Extender web interface. The 'Status' menu item is selected in the sidebar. The main content area shows 'System Status' with four sections: System, LAN, Access Point Status, and Wi-Fi Extender Status (2.4G).

System	
Model	RE11S
Current Time	2017/3/22 22:03:34
Firmware Version	1.06
<a href="#">Check the latest version</a>	

LAN	
IP Address	192.168.2.109
Subnet Mask	255.255.255.0
Default Gateway	192.168.2.9
MAC Address	00:11:22:33:44:50

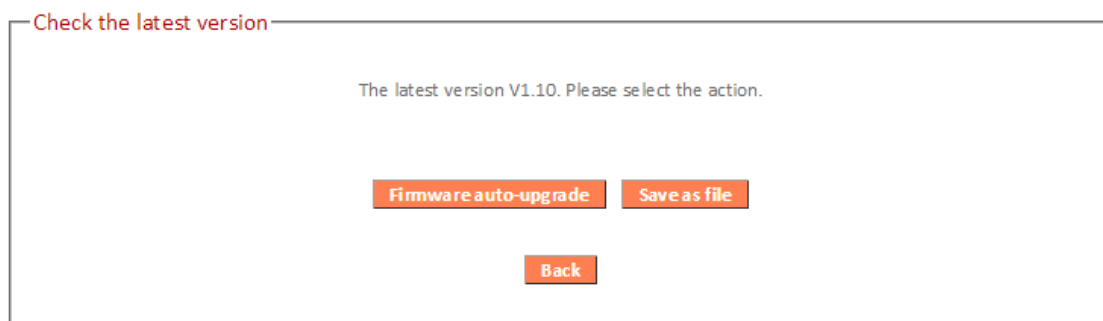
Access Point Status	
<input checked="" type="radio"/> 2.4GHz <input type="radio"/> 5GHz	
Status	Enable
SSID	edimax
Channel Number	11
Security	WPA2(AES)
MAC Address	00:11:22:33:44:50

Wi-Fi Extender Status ( 2.4G )	
Status	Connect
Signal Strengths	<div><div></div></div> 84%
Extended SSID	edimax
Channel Number	11
Security	WPA2(AES)

You can click the orange **Check the latest version** button to open a new screen and automatically upgrade firmware to the latest version. Click **Firmware auto-upgrade** to begin the process.



**It is recommended to backup the existing firmware version using the “Save as File” button before upgrading.**

A screenshot of a dialog box titled 'Check the latest version'. It contains the text 'The latest version V1.10. Please select the action.' and three buttons: 'Firmware auto-upgrade', 'Save as file', and 'Back'.

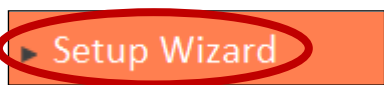
Check the latest version

The latest version V1.10. Please select the action.

[Firmware auto-upgrade](#) [Save as file](#)

[Back](#)

### III-3-2. Setup Wizard

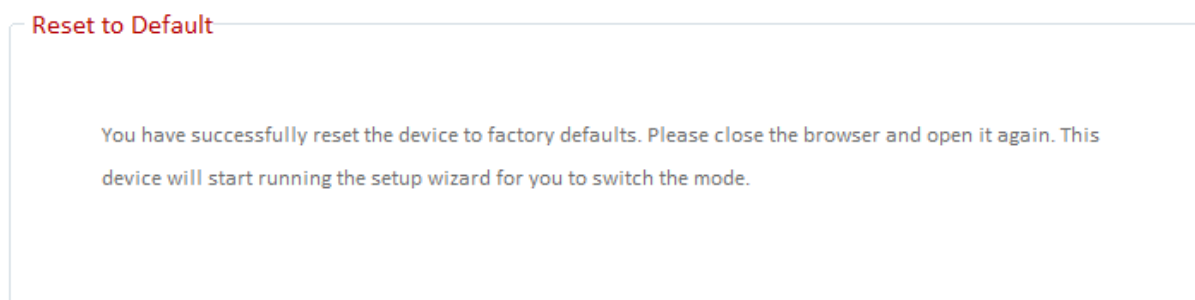
 You can run the setup wizard again to reconfigure the basic settings of the device, or you can run a wizard to help you switch the device to a different operating mode. Select “Setup Wizard” or “Switch to Router/Access Point/Range Extender/Wireless Bridge/WISP mode” and then click “Run Wizard” to begin.



<b>Switch to Access Point/ Wi-Fi Extender/ Wi-Fi Bridge mode</b>	This wizard will help you to switch the device to a different operating mode: Access Point mode, Wi-Fi extender mode, Wi-Fi bridge mode (see below).
--	--

#### Switch to Access Point/ Wi-Fi Extender/ Wi-Fi Bridge mode:

1. Follow the on-screen instructions to back up your current settings and then reset the device back to its factory default settings.
2. After the device has reset you will see the screen below. Close your browser and open it again.



3. Follow the on-screen wizard to setup your device in a different mode. Refer to **II. Installation Step 3** onwards for help if needed.



**If you don't see the "Get Started" screen, try reconnecting to the edimaxEXT.setup \*\*SSID and go to <http://edimaxext.setup> in a web browser.**

### III-3-3. LAN



You can configure your Local Area Network (LAN) on this page. Set the device to automatically obtain an IP address from your router or assign an IP address

manually.



**You can access the browser based configuration interface using the device's IP address instead of using the URL <http://edimaxext.setup>.**

#### LAN IP

☒ Obtain an IP address automatically

☐ Use the following IP address

IP Address

Subnet Mask

Default Gateway Address

DNS Address

#### DHCP Server

DHCP Server

Lease Time

Start IP

End IP

Default Gateway Address

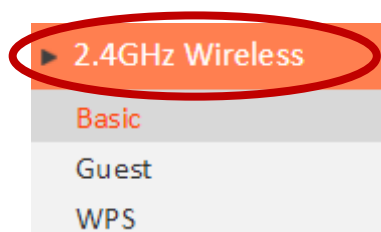
<b>IP Address</b>	Specify the IP address here. This IP address will be assigned to the RE11S and will replace the default IP address.
<b>Subnet Mask</b>	Specify a subnet mask. The default value is 255.255.255.0



<b>Default Gateway Address</b>	Enter a default gateway address.
<b>DNS Address</b>	Enter a DNS address.

<b>DHCP Server</b>	Enable or disable the DHCP server.
<b>Lease Time</b>	Select a lease time for the DHCP leases here. The DHCP client will obtain a new IP address after the period expires.
<b>Start IP</b>	Enter the start IP address for the DHCP server's IP address leases.
<b>End IP</b>	Enter the end IP address for the DHCP server's IP address leases.
<b>Default Gateway Address</b>	IP address of the default gateway on the network.

### III-3-4. 2.4GHz Wireless & 5GHz Wireless



The “2.4GHz Wireless” & “5GHz Wireless” menu allows you to configure SSID and security settings for your Wi-Fi network along with a guest Wi-Fi network. WPS, and access control (in access point mode) functions can also be managed from here.



***In Access Point mode, the “Guest” feature in the menu is replaced by “Access Control”.***

#### III-3-4-1. Basic

The “Basic” screen displays settings for your primary 2.4GHz or 5GHz Wi-Fi network.

A screenshot of the 'Basic Settings' page for a wireless network. The page has a title 'Basic Settings' in red. Below it, there are several settings: 'Band' is set to '2.4 GHz (b+g+n)'; 'Wireless Network Name (SSID)' is 'edimax' with a text input field; there is a checkbox for 'Hide SSID' which is unchecked; 'Channel Number' is '11' with a dropdown arrow; 'Wireless Clients' has a red 'Show List' button; and 'Root AP SSID' is 'edimax' with a text input field.

<b>Band</b>	Displays the wireless standard used for the RE11S’s “2.4GHz (B+G+N)” means that 802.11b, 802.11g, and 802.11n wireless clients can connect to the RE11S.
<b>Wireless Network Name (SSID)</b>	This is the name of your Wi-Fi network for identification, also sometimes referred to as “SSID”. The SSID can consist of any combination of up to 32 alphanumerical characters.
<b>Hide SSID</b>	Enable or disable hide SSID. When disabled, the SSID will be visible to clients as an available Wi-Fi network. When enabled, the SSID will not be visible as an available Wi-Fi network to clients – clients must manually

	enter the SSID in order to connect. A hidden (disabled) SSID is typically more secure than a visible (enabled) SSID.
<b>Channel Number</b>	Select a wireless radio channel or use the default “Auto” setting from the drop-down menu.
<b>Wireless Clients</b>	Click “Show List” to display a new window showing information about wireless clients. Please disable any pop-up blockers if you have difficulty using this function.
<b>Root AP SSID</b>	In extender mode, displays the SSID your extender is connected to (your router or access point).

## Wireless Security:

Wireless Security

Encryption	WEP ▼
Key Length	64-bit ▼
Key Format	Hex (10 characters) ▼
Encryption Key	..... <input checked="" type="checkbox"/> Hide

## Access Point Mode:

Wireless Security

Encryption	WEP ▼
Key Length	64-bit ▼
Key Format	Hex (10 characters) ▼
Encryption Key	..... <input checked="" type="checkbox"/> Hide

☐ Enable 802.1x Authentication

Select an encryption type according to your mode, from the drop-down menu:



***“WPA Pre-shared Key” is the recommended and most secure encryption type.***

### III-3-4-1-1. Disable

Encryption is disabled and no password/key is required to connect to the RE11S.



***Disabling wireless encryption is not recommended. When disabled, anybody within range can connect to your device's SSID.***

#### Enable 802.1x Authentication

Check the box to enable the 802.1x authentication. A RADIUS server is required to perform 802.1x authentication: enter the RADIUS server's information in the relevant fields (below).



Enable 802.1x Authentication

RADIUS Server IP address

RADIUS Server Port

1812

RADIUS Server Password

### III-3-4-1-2. WEP

WEP (Wired Equivalent Privacy) is a basic encryption type. For a higher level of security consider using WPA encryption.

Wireless Security

Encryption	WEP
Key Length	64-bit
Key Format	Hex (10 characters)
Encryption Key	•••••••••• <input checked="" type="checkbox"/> Hide

☐ Enable 802.1x Authentication

<b>Key Length</b>	Select 64-bit or 128-bit. 128-bit is more secure than 64-bit.
<b>Key Format</b>	Choose from “ASCII” (any alphanumerical character 0-9, a-z and A-Z) or “Hex” (any characters from 0-9, a-f and A-F).
<b>Encryption Key</b>	Enter your encryption key/password according to the format you selected above. A complex, hard-to-guess key is recommended. Check the “Hide” box to hide your password from being displayed on-screen.
<b>Enable 802.1x Authentication</b>	Check the box to enable the 802.1x authentication. A RADIUS server is required to perform 802.1x authentication: enter the RADIUS server’s information in the relevant fields (below).

☒ Enable 802.1x Authentication

RADIUS Server IP address	
RADIUS Server Port	1812
RADIUS Server Password	

### III-3-4-1-3. WPA Pre-Shared Key

WPA pre-shared key is the recommended and most secure encryption type.

Wireless Security

Encryption: WPA Pre-shared Key

WPA Unicast Cipher Suite: ☒ WPA (TKIP) ☐ WPA2 (AES) ☐ WPA2 Mixed

Pre-shared Key Format: Passphrase

Pre-shared Key:  ☒ Hide

<b>WPA Unicast Cipher Suite</b>	Select from WPA (TKIP), WPA2 (AES) or WPA2 Mixed. WPA2 (AES) is safer than WPA (TKIP), but not supported by all wireless clients. Please make sure your wireless client supports your selection. WPA2 (AES) is recommended followed by WPA2 Mixed if your client does not support WPA2 (AES).
<b>Pre-shared Key Format</b>	Choose from “Passphrase” (8-63 alphanumeric characters) or “Hex” (up to 64 characters from 0-9, a-f and A-F).
<b>Pre-shared Key</b>	Please enter a key according to the format you selected above. A complex, hard-to-guess key is recommended. Check the “Hide” box to hide your password from being displayed on-screen.

### III-3-4-1-4. WPA Radius

WPA RADIUS is a combination of WPA encryption and RADIUS user authentication. If you have a RADIUS authentication server, you can authenticate the identity of every wireless client against a user database.

**Wireless Security**

Encryption

WPA RADIUS

WPA Unicast Cipher Suite

☒ WPA (TKIP) ☐ WPA2 (AES) ☐ WPA2 Mixed

RADIUS Server IP address

RADIUS Server Port

1812

RADIUS Server Password

<b>WPA Unicast Cipher Suite</b>	Select from WPA (TKIP), WPA2 (AES) or WPA2 Mixed. WPA2 (AES) is safer than WPA (TKIP), but not supported by all wireless clients. Please make sure your wireless client supports your selection. WPA2 (AES) is recommended followed by WPA2 Mixed if your client does not support WPA2 (AES).
<b>RADIUS Server IP address</b>	Input the IP address of the RADIUS authentication server here.
<b>RADIUS Server Port</b>	Input the port number of the RADIUS authentication server here. The default value is 1812.
<b>RADIUS Server Password</b>	Input the password of the RADIUS authentication server here.



### III-3-4-2. Guest

You can setup an additional “Guest” Wi-Fi network so guest users can enjoy Wi-Fi connectivity without accessing your primary SSID. The “Guest” screen displays settings for your guest Wi-Fi network.



***The guest network is separate from your primary network. The settings for your primary network can be found in the “Basic” menu.***



***Not available in access point mode***

**Basic Settings**

☒ Enable Guest SSID

Guest Wireless Name

edimax.guest

☐ Hide SSID

☐ Enable Wireless Clients Isolation

Band

2.4 GHz (b+g+n)

Channel Number

1 (Same as main SSID)

**Wireless Security**

Encryption

Disable ▼

<b>Enable Guest SSID</b>	Check/uncheck the box to enable/disable the guest Wi-Fi network.
<b>Wireless Guest Name</b>	Enter a reference/ID name for your guest wireless network.
<b>Hide SSID</b>	Enable or disable hide SSID. When disabled, the SSID will be visible to clients as an available Wi-Fi network. When enabled, the SSID will not be visible as an available Wi-Fi network to clients – clients must manually enter the SSID in order to connect. A hidden (disabled) SSID is typically more secure than a visible (enabled) SSID.
<b>Enable Wireless Clients Isolation</b>	Check the box to enable wireless clients isolation. This prevents wireless clients connected to the RE11S from communicating

	with each other and improves security. Typically, this function is useful for corporate environments or public hot spots and can prevent brute force attacks on clients' usernames and passwords.
<b>Band</b>	Displays the wireless standard used for the RE11S's frequency band: 2.4GHz (B+G+N): Allows 802.11b, 802.11g, and 802.11n wireless clients to connect to the RE11S.
<b>Channel Number</b>	Channel number for the guest network is the same as the main SSID and cannot be adjusted independently.
<b>Encryption</b>	Please refer to <a href="#"><u>III-3-4-1. Basic: Wireless Security</u></a> for details about security settings.

### III-3-4-3. WPS

Wi-Fi Protected Setup is a simple way to establish connections between WPS compatible devices. WPS can be activated on compatible devices by pushing a WPS button on the device or from within the device's firmware/configuration interface. When WPS is activated in the correct manner and at the correct time for two compatible devices, they will automatically connect. PIN code WPS includes the use of a PIN code between the two devices for verification.

The screenshot shows a web-based configuration interface for WPS. At the top left, there is a red 'WPS' header. Below it, a checkbox labeled 'Enable WPS' is checked. The main section is titled 'Wi-Fi Protected Setup Information :'. It contains a table with the following data: WPS Status: Configured, Self Pin Code: 91486257, SSID: edimax\_2.4G\_EDF2D1, Authentication Mode: WPA Pre-shared Key, and Authentication Key: abcd1234. Below this, the 'Device Configuration :' section shows 'Configuration Mode' set to 'Registrar'. There are three options for configuration: 'Configure via Push Button' with a red 'Start PBC' button, 'Configure via Client Pin Code' with a text input field, and a red 'Start PIN' button.

<b>Enable WPS</b>	Check/uncheck this box to enable/disable WPS.
<b>WPS Status</b>	Displays “Configured” or “unConfigured” depending on whether WPS and SSID/security settings for the device have been configured or not, either manually or using the WPS button.
<b>Self PIN Code</b>	Displays the WPS PIN code of the device.
<b>SSID</b>	Displays the SSID of the device.
<b>Authentication Mode</b>	Displays the wireless security authentication mode of the device.
<b>Authentication Key</b>	Displays the wireless security authentication key.
<b>Configuration Mode</b>	The configuration mode of the device’s WPS setting is displayed here. “Registrar” means the device acts as an access point for a wireless client to connect to and the wireless client(s)

	will follow the device's wireless settings.
<b>Configure via Push Button</b>	Click "Start PBC" (Push-Button Configuration) to activate WPS on the access point. WPS will be active for 2 minutes.
<b>Configure via Client PIN Code</b>	Enter the wireless client's PIN code here and click "Start PIN" to activate PIN code WPS. Refer to your wireless client's documentation if you are unsure of its PIN code.

### III-3-4-4. Access Control



#### ***Access Point mode only***

Access Control is a security feature that can help to prevent unauthorized users from connecting to your wireless router.

This function allows you to define a list of network devices permitted to connect to the RE11S. Devices are each identified by their unique MAC address. If a device which is not on the list of permitted MAC addresses attempts to connect to the RE11S, it will be denied.

To enable this function, check the box labeled "Enable Wireless Access Control".

### Access Control

☒ Enable Wireless Access Control

Client PC  

----Select----

MAC Address

Comment

Add

MAC Address

Device Name

IP Address

Comment

Select

aa:bb:cc:dd:ee:ff

-

-

Edimax

☐

Delete Selected

Delete All

Save Settings

Settings have been saved. Please [click here to restart](#) the device and bring the new settings into effect.

<b>Client PC</b>	<p>Select a PC name from the drop-down list and click "&gt;&gt;" to add enter it into the blank field to the right.</p> <p>Click "Refresh" in the drop-down menu to refresh the list of available MAC addresses. If the address you wish to add is not listed, enter it manually.</p>
<b>MAC Address</b>	Enter a MAC address of computer or network device manually without dashes or colons e.g. for MAC address 'aa-bb-cc-dd-ee-ff' enter 'aabbccddeeff'.
<b>Comment</b>	Enter a comment for reference/identification consisting of up to 16 alphanumerical characters.
<b>Add</b>	Click "Add" to add the MAC address to the MAC address filtering table.

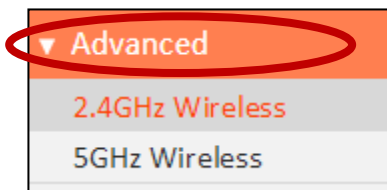
MAC address entries will be listed in the table. Select an entry using the "Select" checkbox.

<b>Delete Selected/ Delete All</b>	Delete selected or all entries from the table.
--	--

### III-3-5. Advanced



**Access Point mode only**



Advanced features of the RE11S can be configured from the “Advanced” menu.

#### III-3-5-1. 2.4GHz Wireless

These settings are for experienced users only. Please do not change any of the values on this page unless you are already familiar with these functions.

2.4GHz Wireless

Wireless Module	Enable
Fragment Threshold	<input type="text" value="2346"/> (256-2346)
RTS Threshold	<input type="text" value="2347"/> (0-2347)
Beacon Interval	<input type="text" value="100"/> (20-1024 ms)
DTIM Period	<input type="text" value="3"/> (1-10)
Data Rate	<input type="text" value="Auto"/>
N Data Rate	<input type="text" value="Auto"/>
Channel Width	<input checked="" type="radio"/> Auto 20/40 MHZ <input type="radio"/> 20 MHZ
Preamble Type	<input checked="" type="radio"/> Short Preamble <input type="radio"/> Long Preamble
CTS Protect	<input type="radio"/> Auto <input type="radio"/> Always <input checked="" type="radio"/> None
Tx Power	<input type="text" value="100 %"/>

<b>Fragment Threshold</b>	Set the Fragment threshold of the wireless radio. The default value is 2346.
<b>RTS Threshold</b>	Set the RTS threshold of the wireless radio. The default value is 2347.

<b>Beacon Interval</b>	Set the beacon interval of the wireless radio. The default value is 100.
<b>DTIM Period</b>	Set the DTIM period of wireless radio. The default value is 3.
<b>Data Rate</b>	Set the wireless data transfer rate. The default is set to Auto.
<b>N Data Rate</b>	Set the data rate of 802.11n. The default is set to Auto.
<b>Channel Width</b>	Select wireless channel width (bandwidth used by wireless signals from the device) – the recommended value is Auto 20/40MHz.
<b>Preamble Type</b>	Set the wireless radio preamble type. The default value is “Short Preamble”.
<b>CTS Protect</b>	Enabling this setting will reduce the chance of radio signal collisions between 802.11b and 802.11g wireless access points. It’s recommended to set this option to “Auto”.
<b>Tx Power</b>	Set the power output of the wireless radio. You may not require 100% output power. Setting a lower power output can enhance security since potentially malicious/unknown users in distant areas will not be able to access your signal.



***Tx power works in conjunction with the switch on the side of the device. The switch is the primary setting and the Tx power value here will be a percentage of the slide switch setting. E.G If the slide switch is set to Green Mode (25%) and Tx power to 75%, the overall output will be 75% of 25%.***

### III-3-5-2. 5GHz Wireless

These settings are for experienced users only. Please do not change any of the values on this page unless you are already familiar with these functions.

5GHz Wireless

Wireless Module	Enable	
Fragment Threshold	<input type="text" value="2346"/>	(256-2346)
RTS Threshold	<input type="text" value="2347"/>	(0-2347)
Beacon Interval	<input type="text" value="100"/>	(20-1024 ms)
DTIM Period	<input type="text" value="3"/>	(1-10)
Data Rate	<input type="text" value="Auto"/>	
N Data Rate	<input type="text" value="Auto"/>	
Channel Width	<input checked="" type="radio"/> 20/40/80 MHZ <input type="radio"/> 20/40 MHZ <input type="radio"/> 20 MHZ	
Preamble Type	<input checked="" type="radio"/> Short Preamble <input type="radio"/> Long Preamble	
CTS Protect	<input type="radio"/> Auto <input type="radio"/> Always <input checked="" type="radio"/> None	
Tx Power	<input type="text" value="100 %"/>	

Save Settings

<b>Fragment Threshold</b>	Set the Fragment threshold of the wireless radio. The default value is 2346.
<b>RTS Threshold</b>	Set the RTS threshold of the wireless radio. The default value is 2347.
<b>Beacon Interval</b>	Set the beacon interval of the wireless radio. The default value is 100.
<b>DTIM Period</b>	Set the DTIM period of wireless radio. The default value is 3.
<b>Data Rate</b>	Set the wireless data transfer rate. The default is set to Auto.
<b>N Data Rate</b>	Set the data rate of 802.11n. The default is set to Auto.
<b>Channel Width</b>	Select wireless channel width (bandwidth used by wireless signals from the device) – the recommended value is 20/40/80MHz.

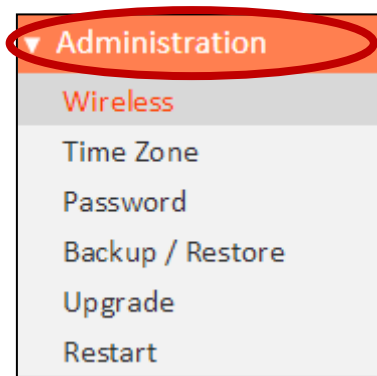


<b>Preamble Type</b>	Set the wireless radio preamble type. The default value is "Short Preamble".
<b>CTS Protect</b>	Enabling this setting will reduce the chance of radio signal collisions between 802.11b and 802.11g wireless access points. It's recommended to set this option to "Auto".
<b>Tx Power</b>	Set the power output of the wireless radio. You may not require 100% output power. Setting a lower power output can enhance security since potentially malicious/unknown users in distant areas will not be able to access your signal.



***Tx power works in conjunction with the switch on the side of the device. The switch is the primary setting and the Tx power value here will be a percentage of the slide switch setting. E.G If the slide switch is set to Green Mode (25%) and Tx power to 75%, the overall output will be 75% of 25%.***

### III-3-6. Administration



Various administrative functions can be accessed from the “Administration” menu.

#### III-3-6-1. Wireless



***Range extender mode only***

You can adjust the level of wireless output power as a percentage. Depending on the size of your location and required coverage, you may not require 100% output power. Reducing the output power can enhance security since your Wi-Fi signal will not extend to potential malicious/unknown users in distant areas.



***Tx power can also be adjusted using the switch on the side of the device. Refer to I-4. Switch.***

Advanced Settings

2.4G Tx Power	100% ▼
5G Tx Power	100% ▼

Save Settings

<b>2.4G Tx Power</b>	Adjust the Wi-Fi output power for the 2.4GHz frequency.
<b>5G Tx Power</b>	Adjust the Wi-Fi output power for the 5GHz frequency.

## III-3-6-2. Time Zone

**Time Zone**

Set Time Zone (GMT)Greenwich Mean Time: Dublin, Edinburgh, Lisbon, London ▼

Time Server Address pool.ntp.org ▼

Daylight Savings ☐ Enable Function

January ▼ 1 ▼ To January ▼ 1 ▼

**Save Settings**

<b>Set Time Zone</b>	Select the time zone of your country or region.
<b>Time Server Address</b>	Supports NTP (Network Time Protocol) for automatic time and date setup. Input the host name of the IP server manually.
<b>Daylight Saving</b>	If your country/region uses daylight saving time, please check the “Enable Function” box, and select the start and end date.

### III-3-6-3. Password

You can change the password used to login to the browser-based configuration interface here. It is advised to do so for security purposes.



***Please make a note of the new password. In the event that you forget the password and are unable to login to the browser based configuration interface, see [I-6. Reset to factory default settings](#) for how to reset the device.***

**Password**

Current Password

New Password

Confirmed Password

Apply

<b>Current Password</b>	Enter your current password.
<b>New Password</b>	Enter your new password.
<b>Confirmed Password</b>	Confirm your new password.

### III-3-6-4. Backup/Restore

Backup / Restore

Backup Settings	<input type="button" value="Save"/>	
Restore Settings	<input type="button" value="Choose File"/> No file chosen	<input type="button" value="Upload"/>
Restore to Factory Default	<input type="button" value="Reset"/>	
Debug Logs	<input type="button" value="Save"/>	
GA_Debug Logs	<input type="button" value="Save"/>	

<b>Backup Settings</b>	Click “Save” to save the current settings on your computer as config.bin file.
<b>Restore Settings</b>	Click “Browse” to find a previously saved config.bin file and then click “Upload” to replace your current settings.
<b>Restore to Factory Default</b>	Click “Reset” to restore settings to the factory default. A pop-up window will appear and ask you to confirm and enter your log in details. Enter your username and password and click “Ok”. See below for more information.
<b>Debug Logs</b>	Click to save a log file of wireless information to your computer as a .txt file.
<b>GA_Debug Logs</b>	Click to save a log file of wireless information to your computer as a .txt file.

### III-3-6-5. Upgrade

The upgrade page displays the current firmware version and allows you to upgrade the system firmware to a more recent version. You can download the latest firmware from the Edimax website and upgrade manually using the **Choose File** button or you can click the **Check the latest version** button to check your version and automatically upgrade if a newer version is available. After the upgrade, the system will restart.



***Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. It is recommended that you use a wired Ethernet connection for a firmware upgrade and that you backup your existing firmware before upgrading.***

**Upgrade**

The current firmware version : 1.03

Check the latest version

Choose File No file chosen

Apply

III-3-6-6. Group Upgrade

You can upgrade firmware for multiple RE11S’s at once using the group upgrade function, as well as check the latest firmware version. Select the model(s) to upgrade and click Upgrade to browse for the firmware file and upgrade. After the upgrade, the system will restart.



***Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. It is recommended that you use a wired Ethernet connection for a firmware upgrade and that you backup your existing firmware before upgrading.***

Upgrade

Model	IP Address	Current FW version	New FW version	Status
No data available in table				

Check firmware version

Upgrade

Check firmware version	Click to check the latest available firmware version.
Upgrade	Browse to the firmware file on your computer and upgrade selected devices.

### III-3-6-7. Restart

In the event that the router malfunctions or is not responding, then it is recommended that you restart the device.

#### Restart

In the event that the system stops responding correctly or stops functioning, you can perform a system restart. Your settings will not be changed. To restart, click on the APPLY button below. You will be asked to confirm your decision. The restart will be complete when the power LED light stops blinking.

Apply



## IV. Appendix

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### IV-1. Configuring your IP address

For first time access to the URL ***http://edimaxext.setup*** please ensure your computer is set to use a dynamic IP address. This means your computer can obtain an IP address automatically from a DHCP server. You can check if your computer is set to use a dynamic IP address by following [VII-1-1. How to check that your computer uses a dynamic IP address.](#)

**Static IP users** can also temporarily modify your computer's IP address to be in the same IP address subnet e.g. **192.168.9.x (x = 3 – 254)** as the RE11S in order to access ***http://edimaxext.setup***.



***The RE11S's default IP address is 192.168.9.2.***

The procedure for modifying your IP address varies across different operating systems; please follow the guide appropriate for your operating system in [IIV-1-2. How to modify the IP address of your computer.](#)



***Static IP users please make a note of your static IP before you change it.***

You can assign a new IP address to the device which is within the subnet of your network during setup or using the browser based configuration interface, so that you can access the URL ***http://edimaxext.setup*** in future without modifying your IP address.



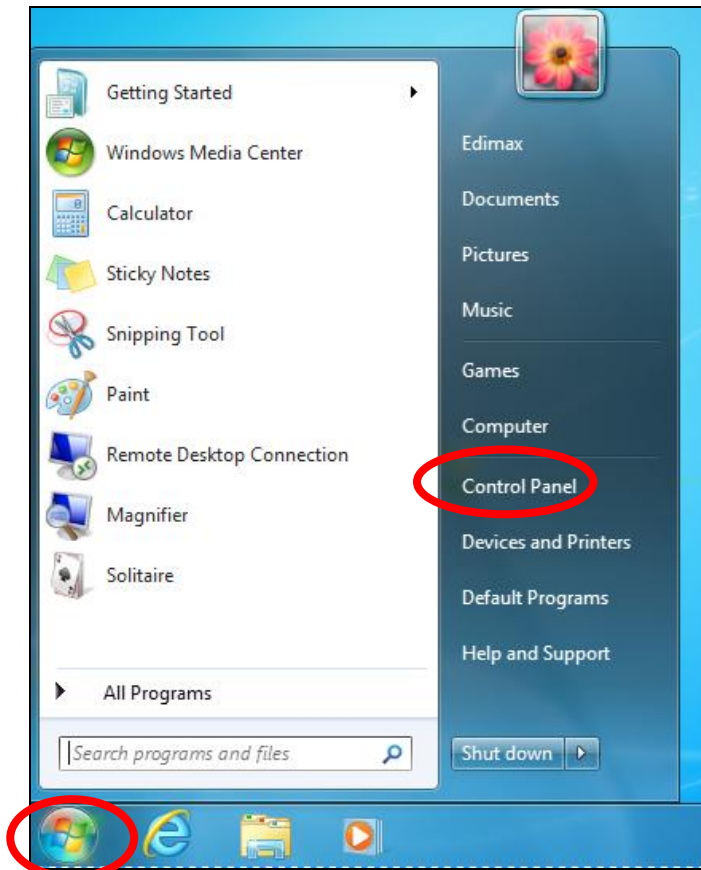
***Please remember to change your IP address back to its original value after the device is properly configured.***

## IV-1-1. How to check that your computer uses a dynamic IP address

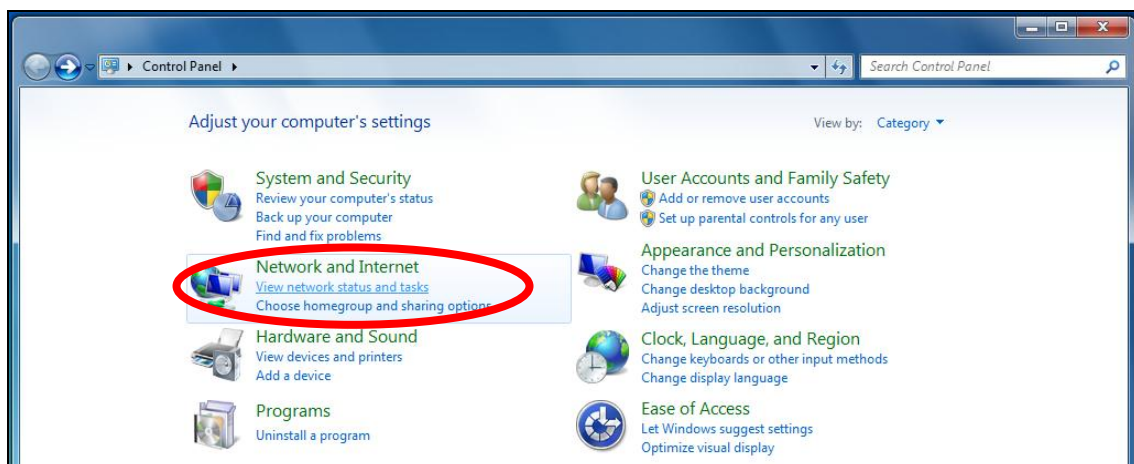
Please follow the instructions appropriate for your operating system.

### IV-1-1-1. Windows 7

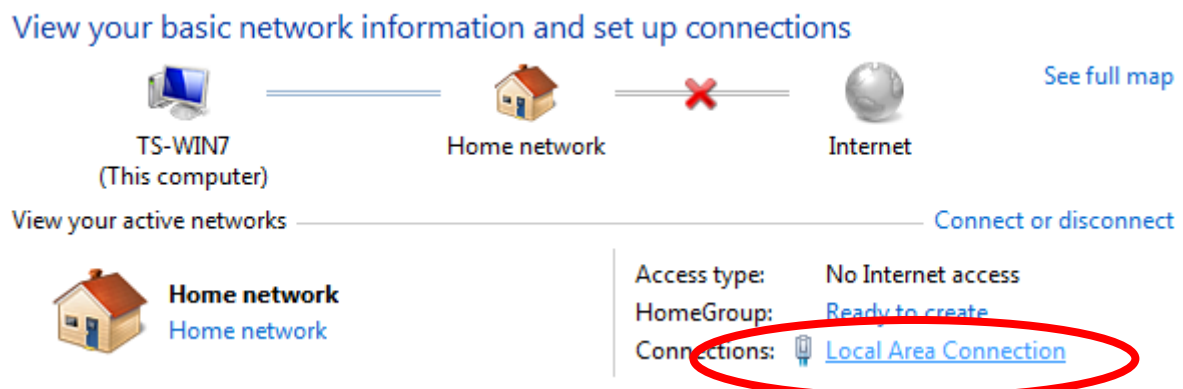
1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”.



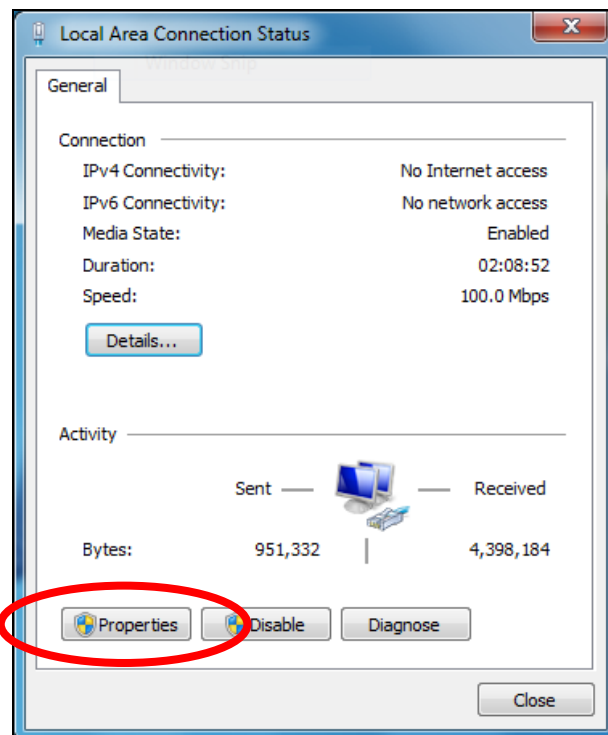
2. Under “Network and Internet” click “View network status and tasks”.



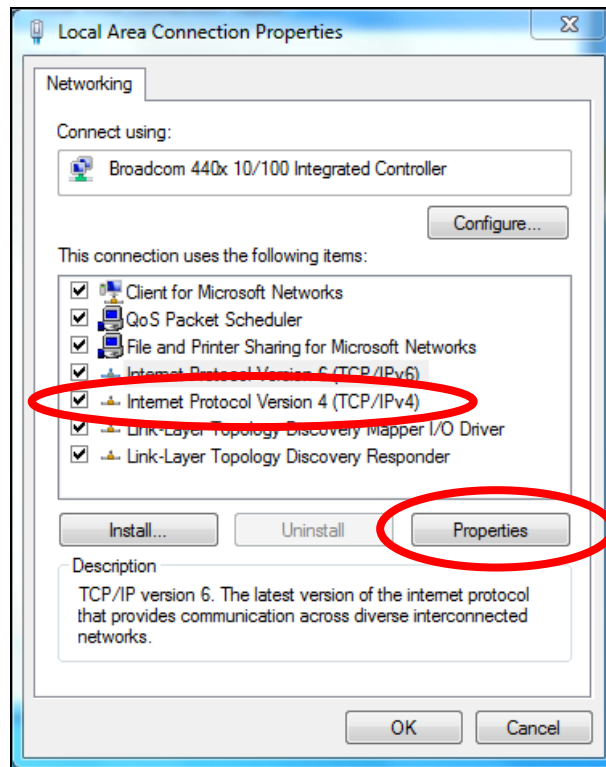
### 3. Click “Local Area Connection”.



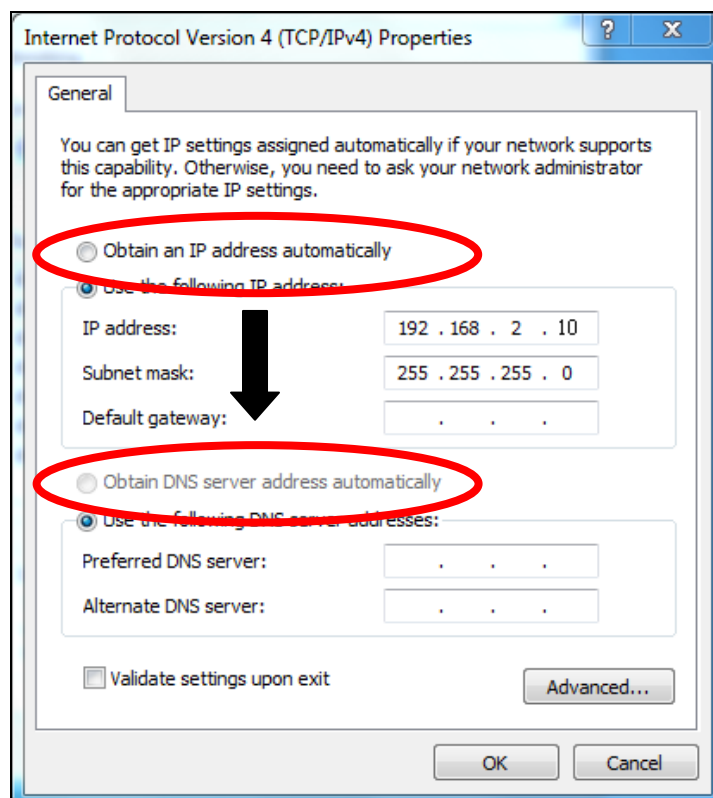
### 4. Click “Properties”.



### 5. Select “Internet Protocol Version 4 (TCP/IPv4)” and then click “Properties”.

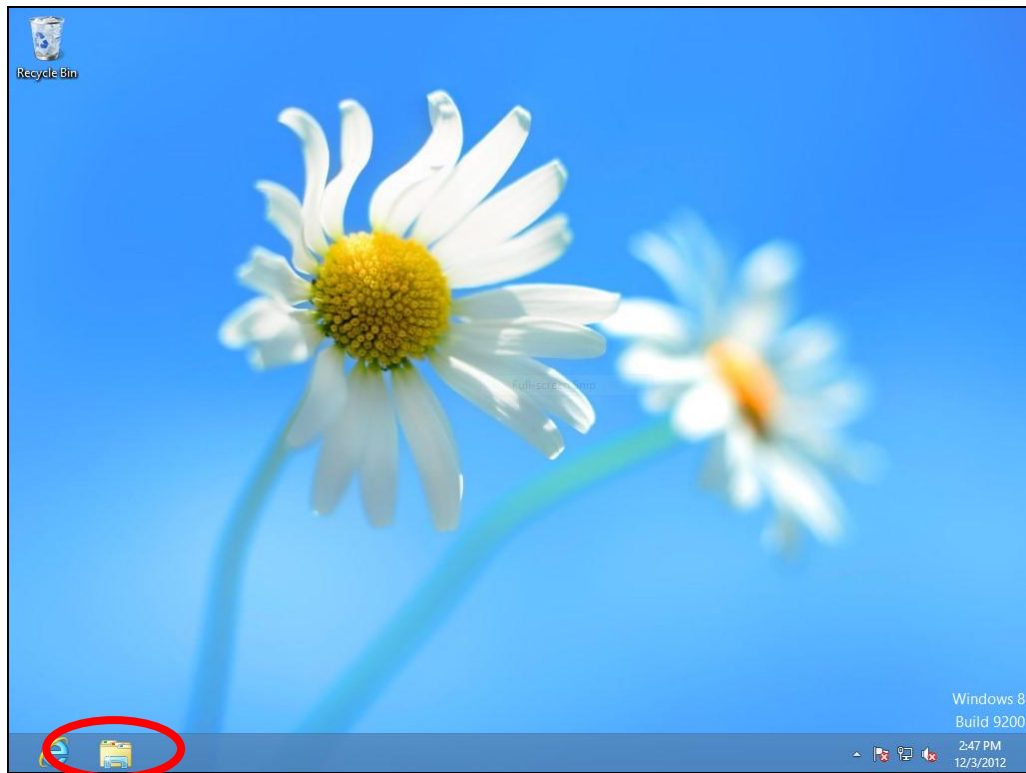


6. Select “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.

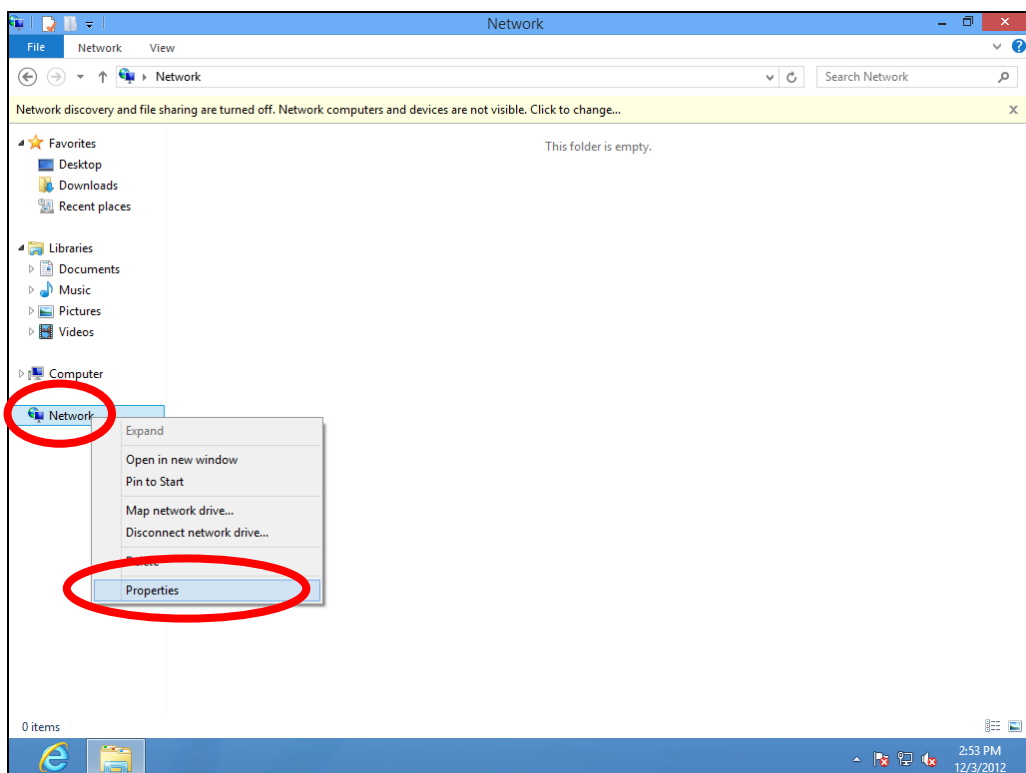


## IV-1-1-2. Windows 8.1 & 10

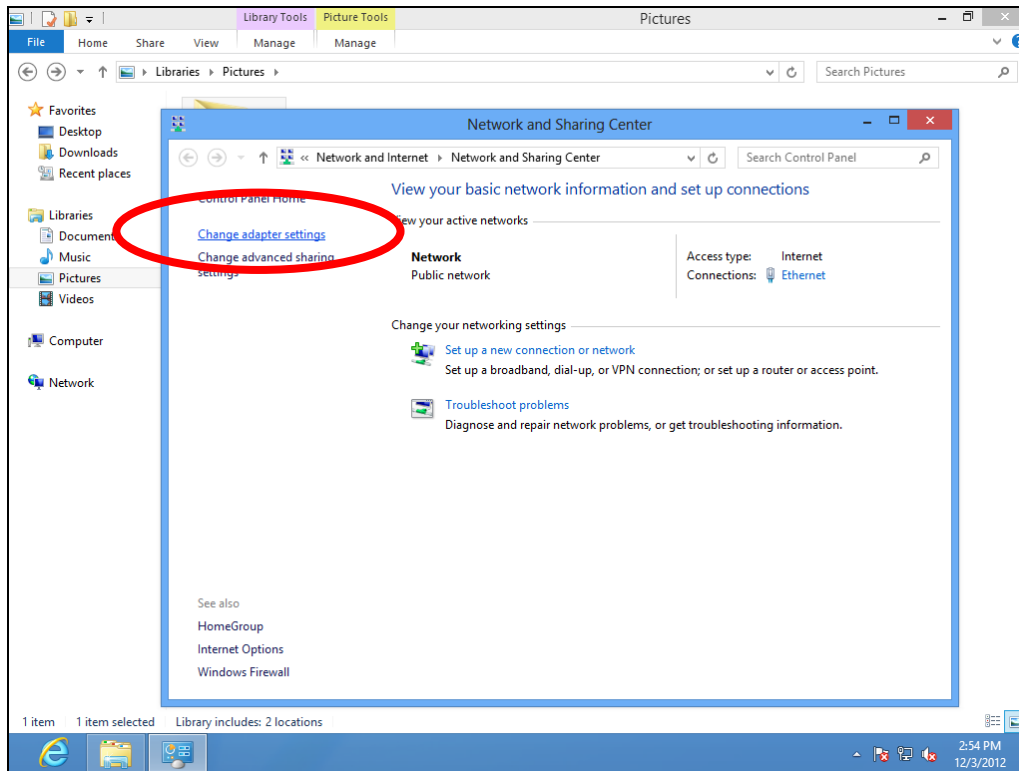
1. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



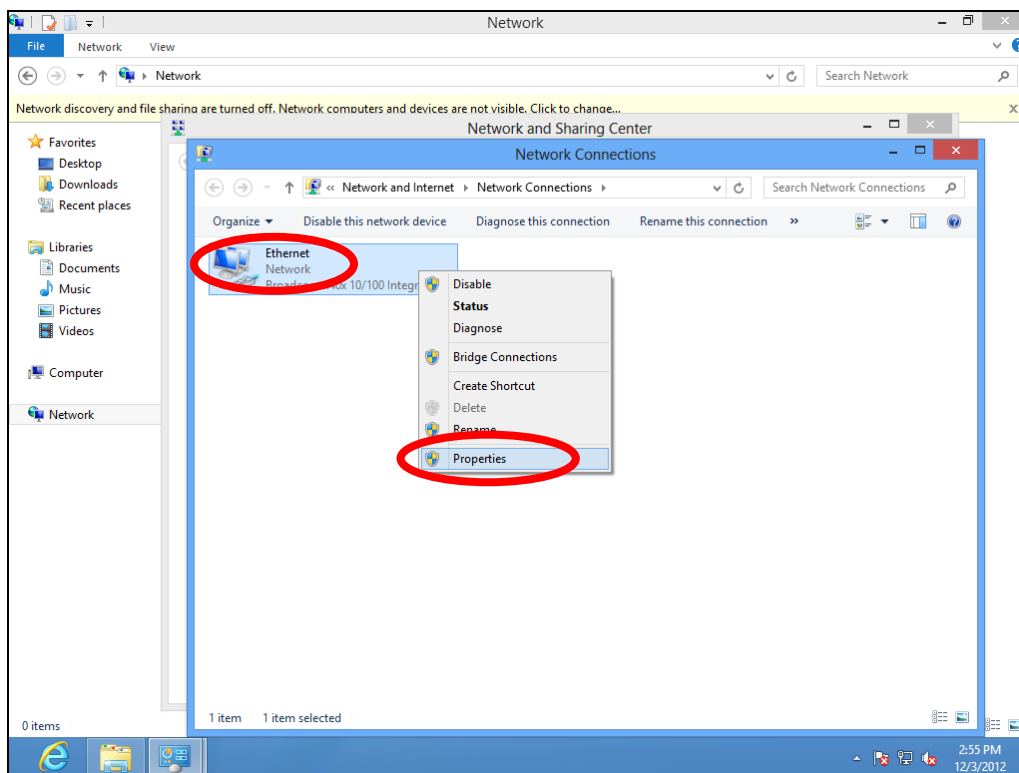
2. Right click "Network" and then select "Properties".



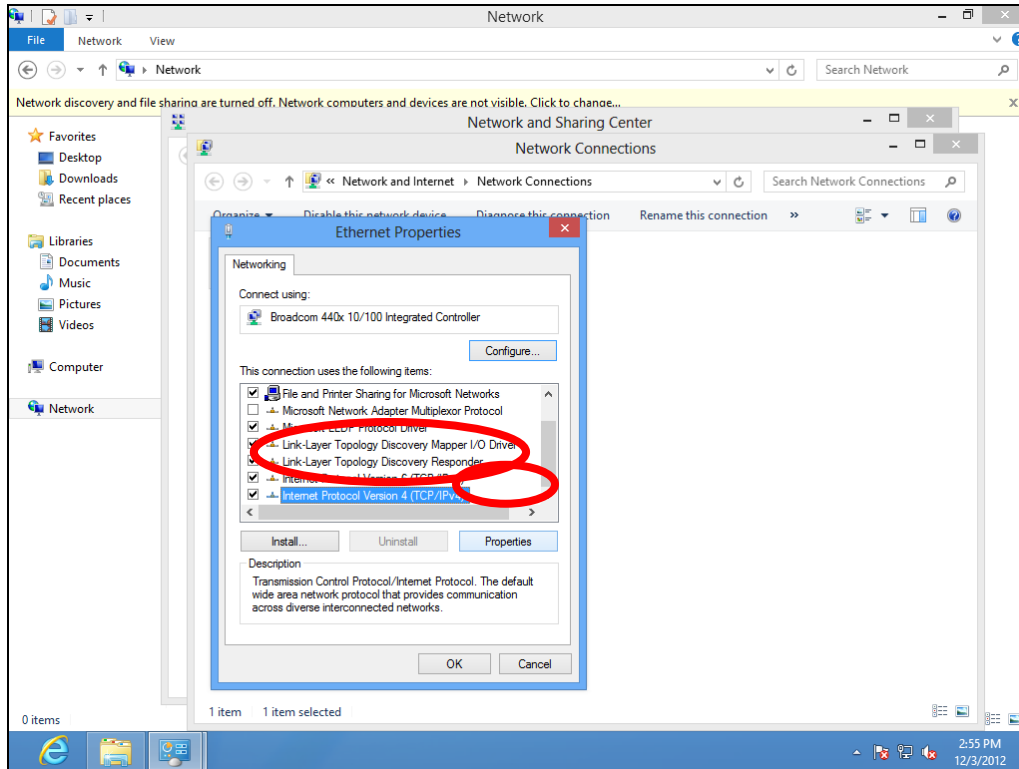
3. In the window that opens, select “Change adapter settings” from the left side.



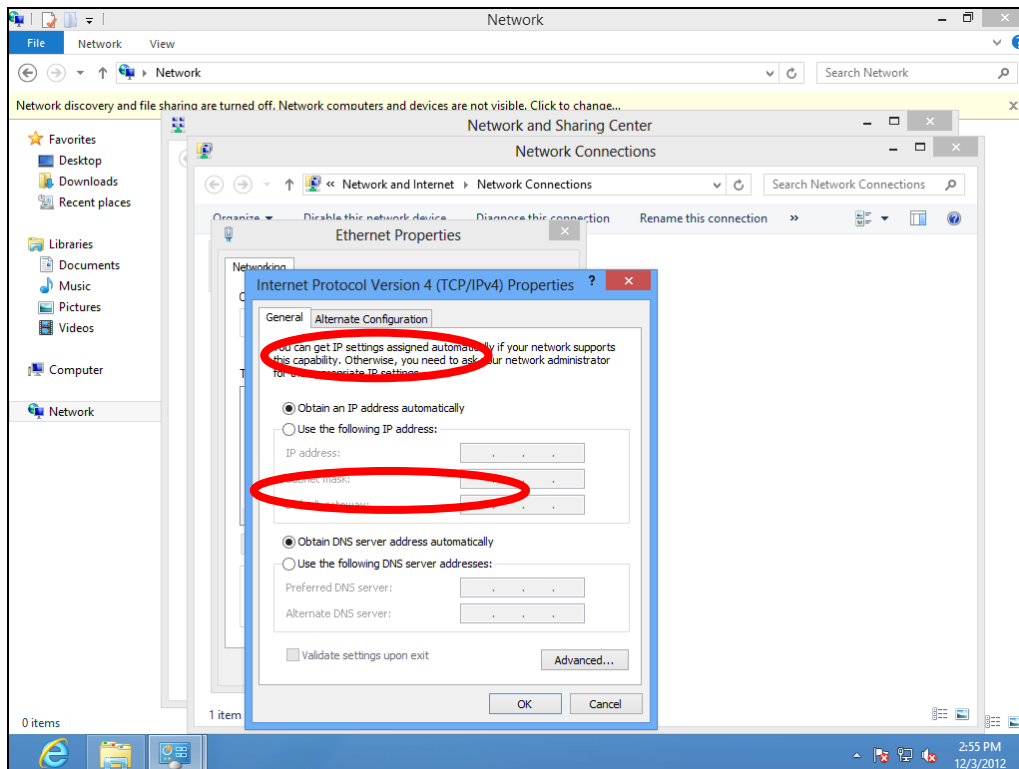
4. Choose your connection and right click, then select “Properties”.



5. Select “Internet Protocol Version 4 (TCP/IPv4) and then click “Properties”.

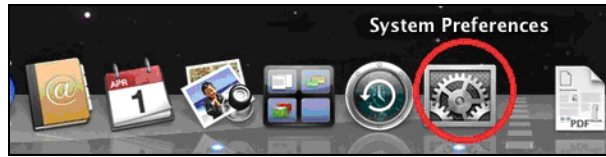


6. Select “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.



### IV-1-1-3. Mac OS

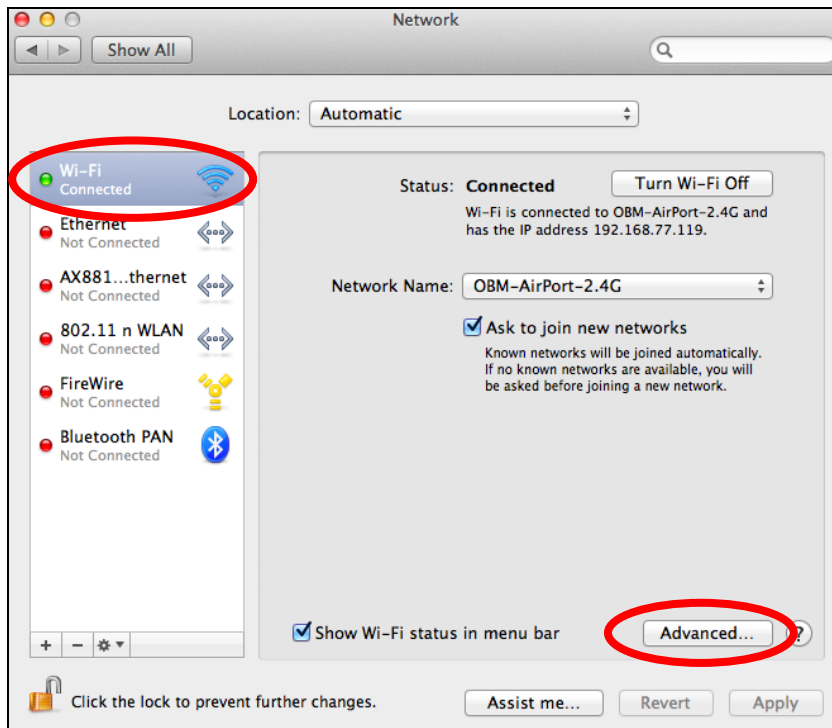
1. Have your Macintosh computer operate as usual, and click on “System Preferences”.



2. In System Preferences, click on “Network”.

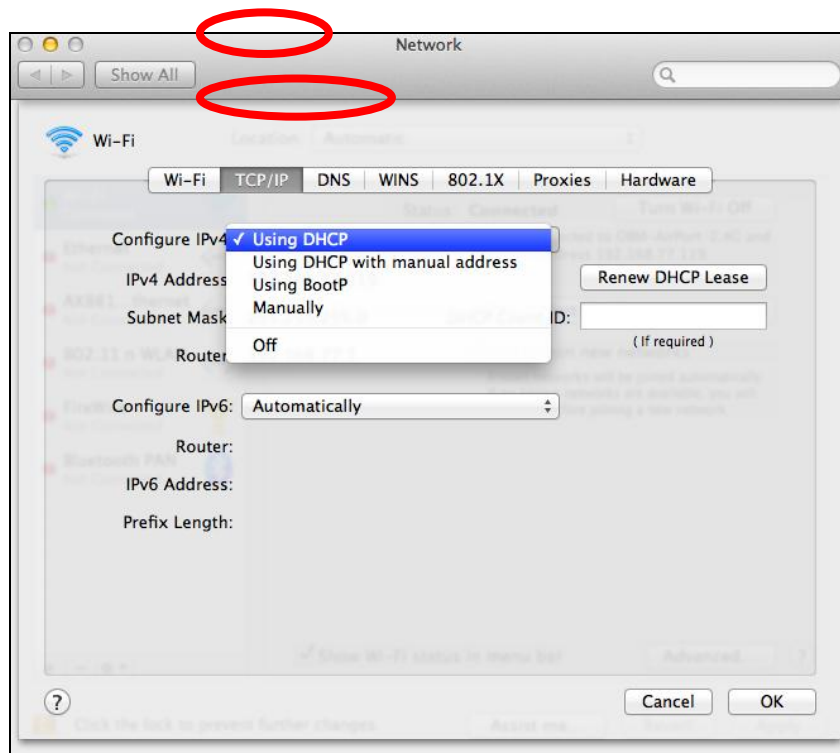


3. Click on “Wi-Fi” in the left panel and then click “Advanced” in the lower right corner.





4. Select “TCP/IP” from the top menu and “Using DHCP” in the drop down menu labeled “Configure IPv4” should be selected.



## IV-1-2. How to modify the IP address of your computer

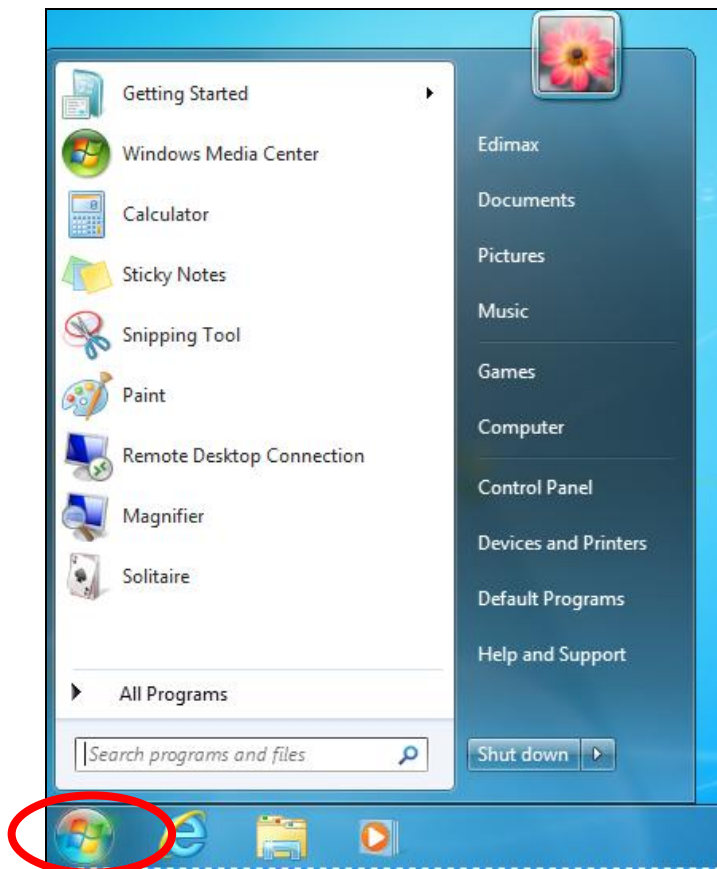
Please follow the instructions appropriate for your operating system. In the following examples we use the IP address **192.168.9.20** though you can use any IP address in the range **192.168.9.x (x = 3 – 254)** in order to access iQ Setup/browser based configuration interface.



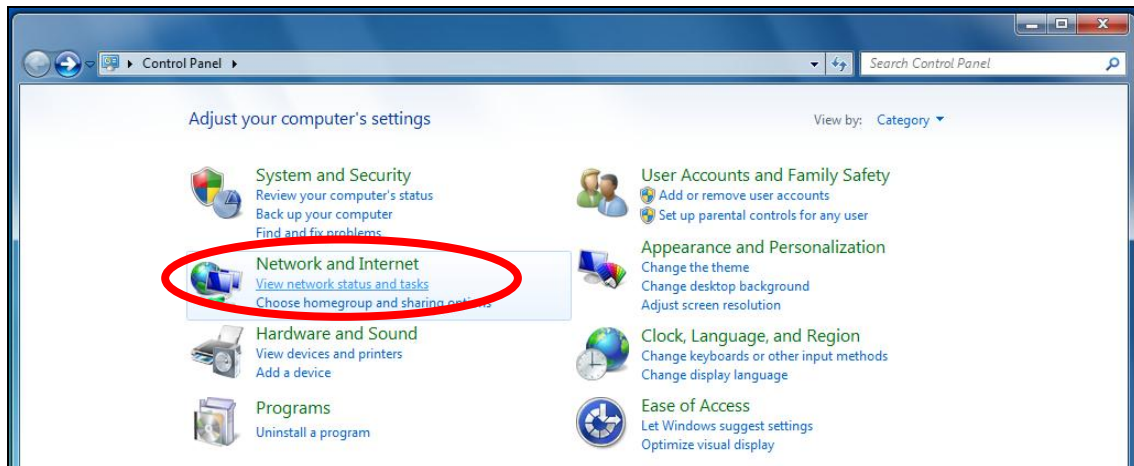
***Please make a note of your static IP before you change it.***

### IV-1-2-1. Windows 7

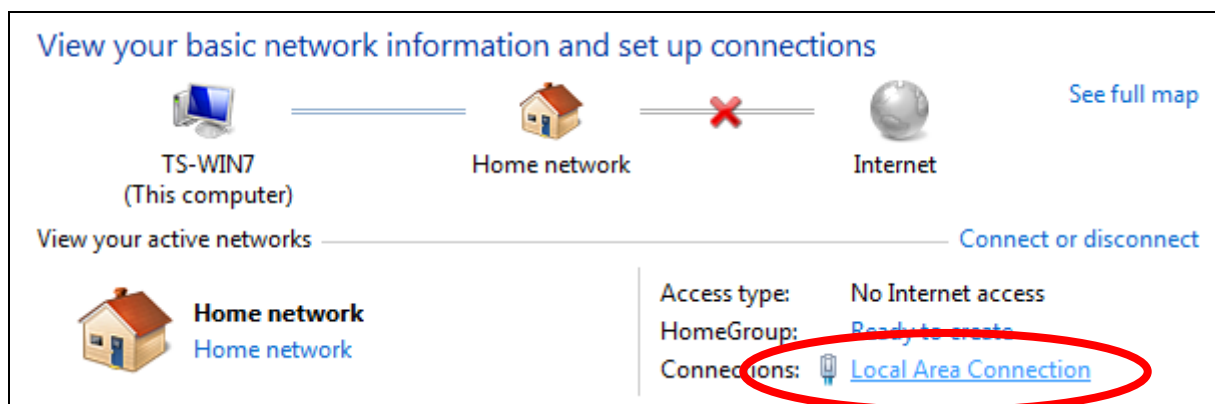
1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”.



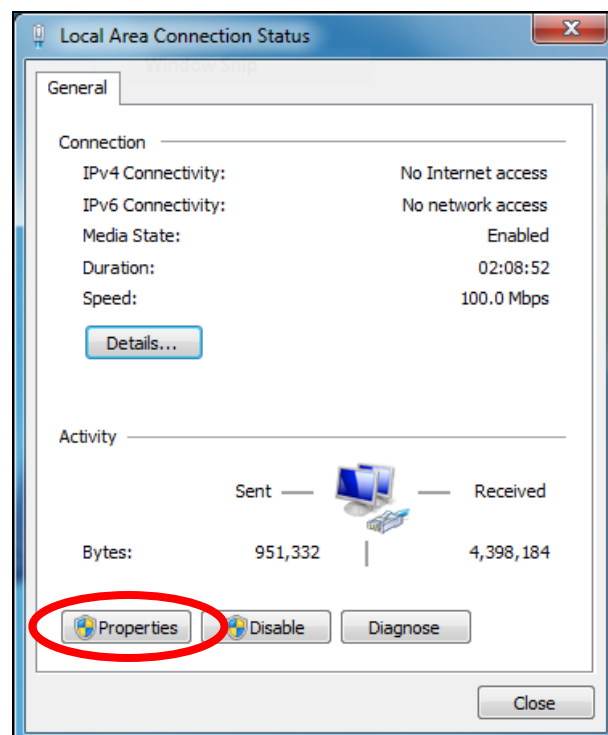
2. Under “Network and Internet” click “View network status and tasks”.



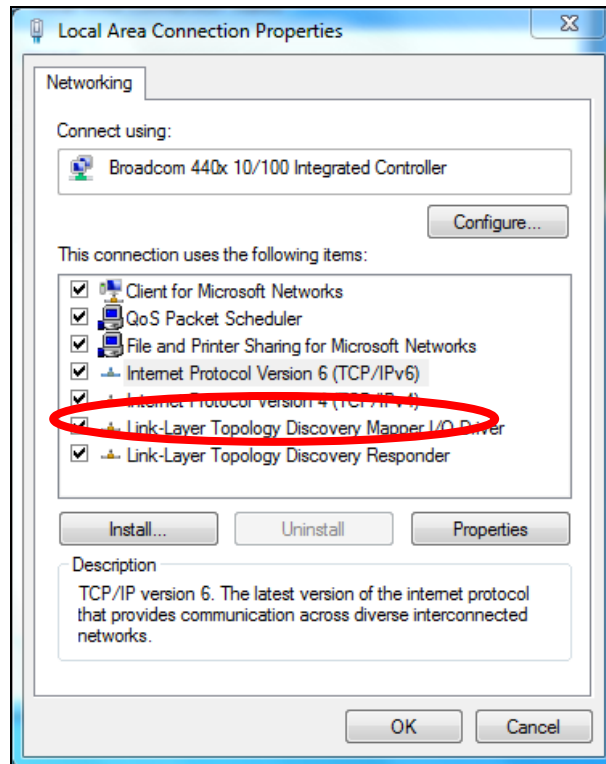
3. Click "Local Area Connection".



4. Click "Properties".



5. Select “Internet Protocol Version 4 (TCP/IPv4)” and then click “Properties”.



6. Select “Use the following IP address”, then input the following values:

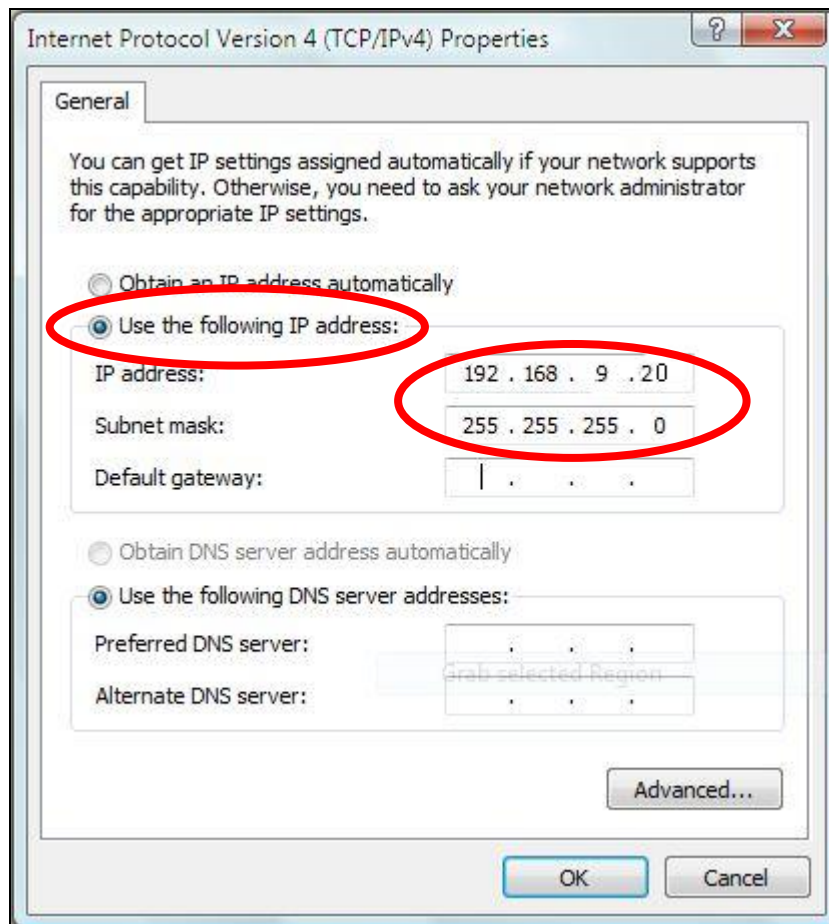


***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.***

**IP address:** 192.168.9.20

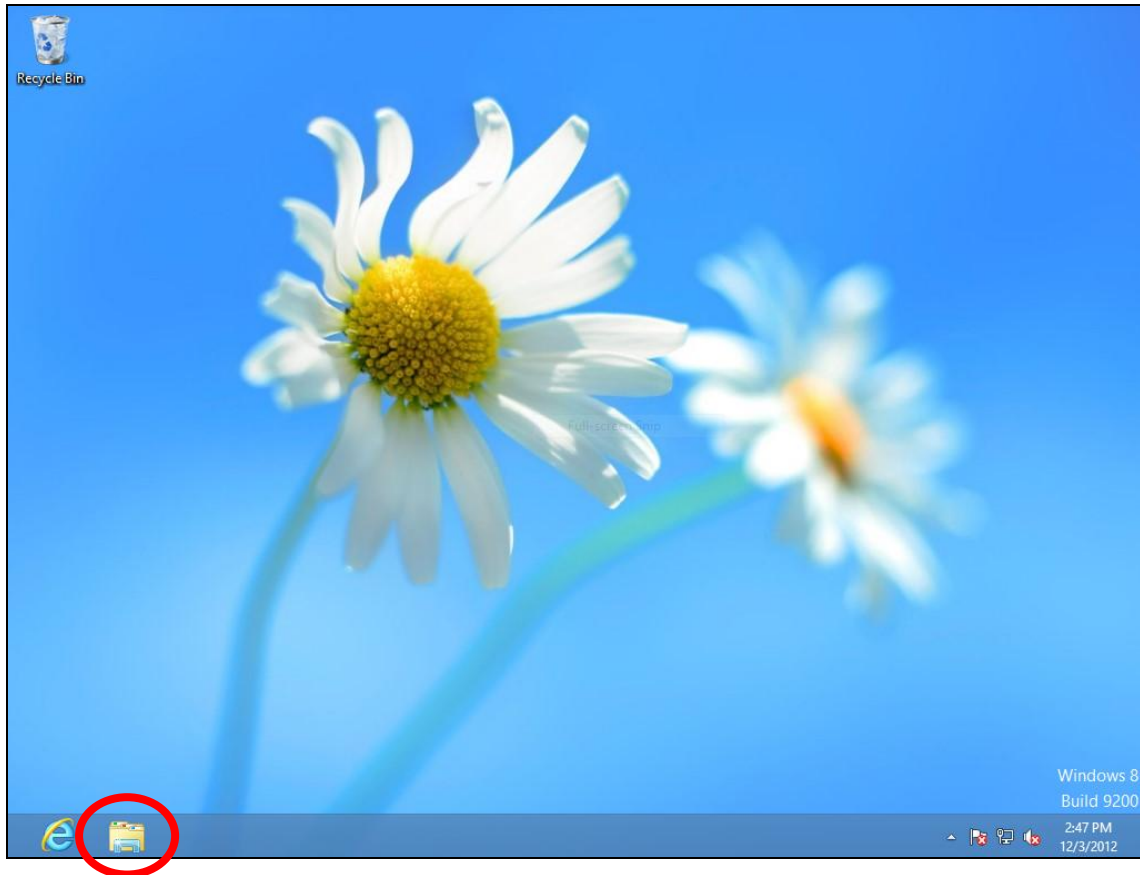
**Subnet Mask:** 255.255.255.0

Click ‘OK’ when finished.

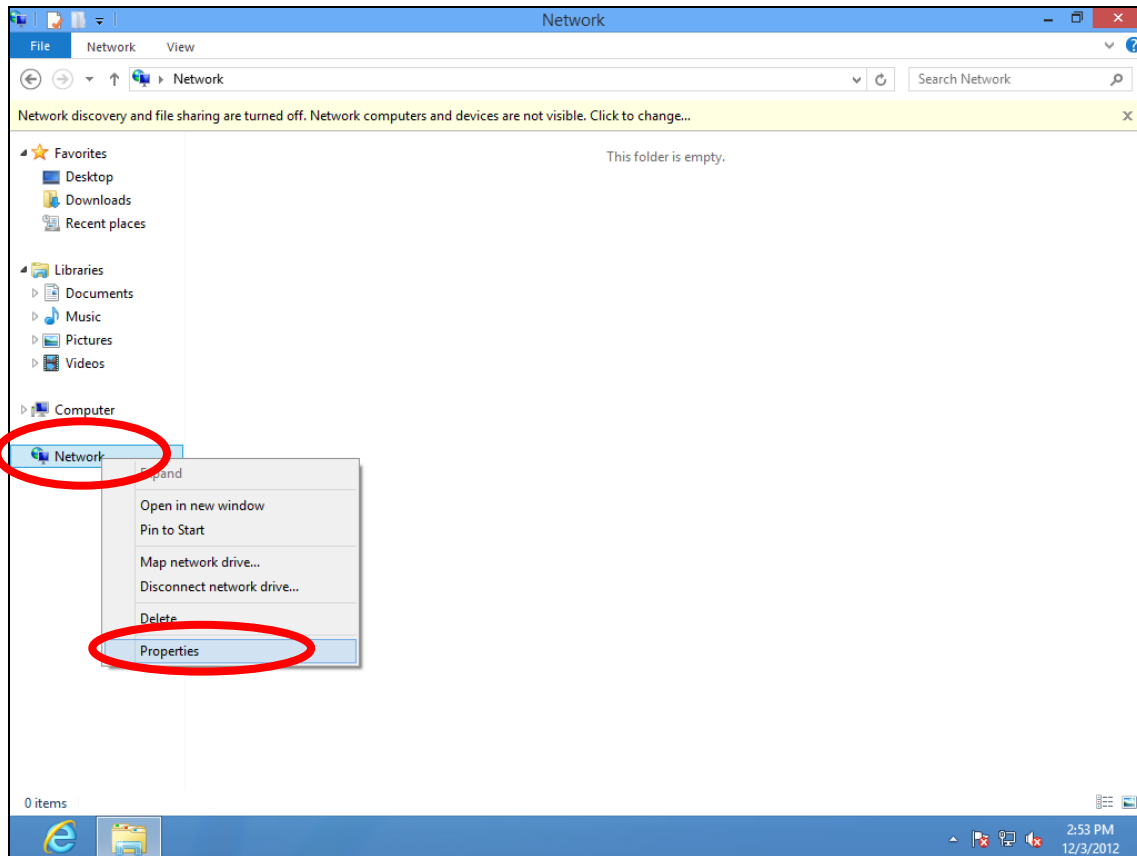


## IV-1-2-2. Windows 8.1 & 10

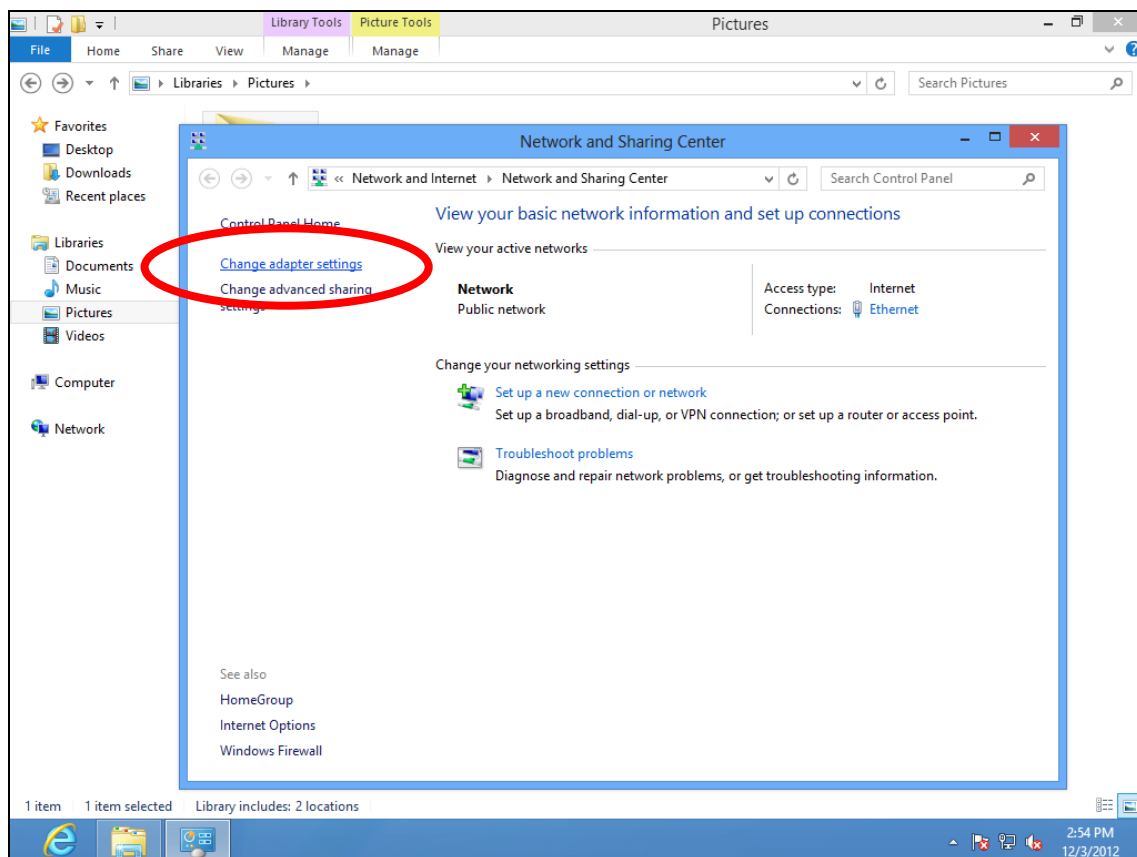
1. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



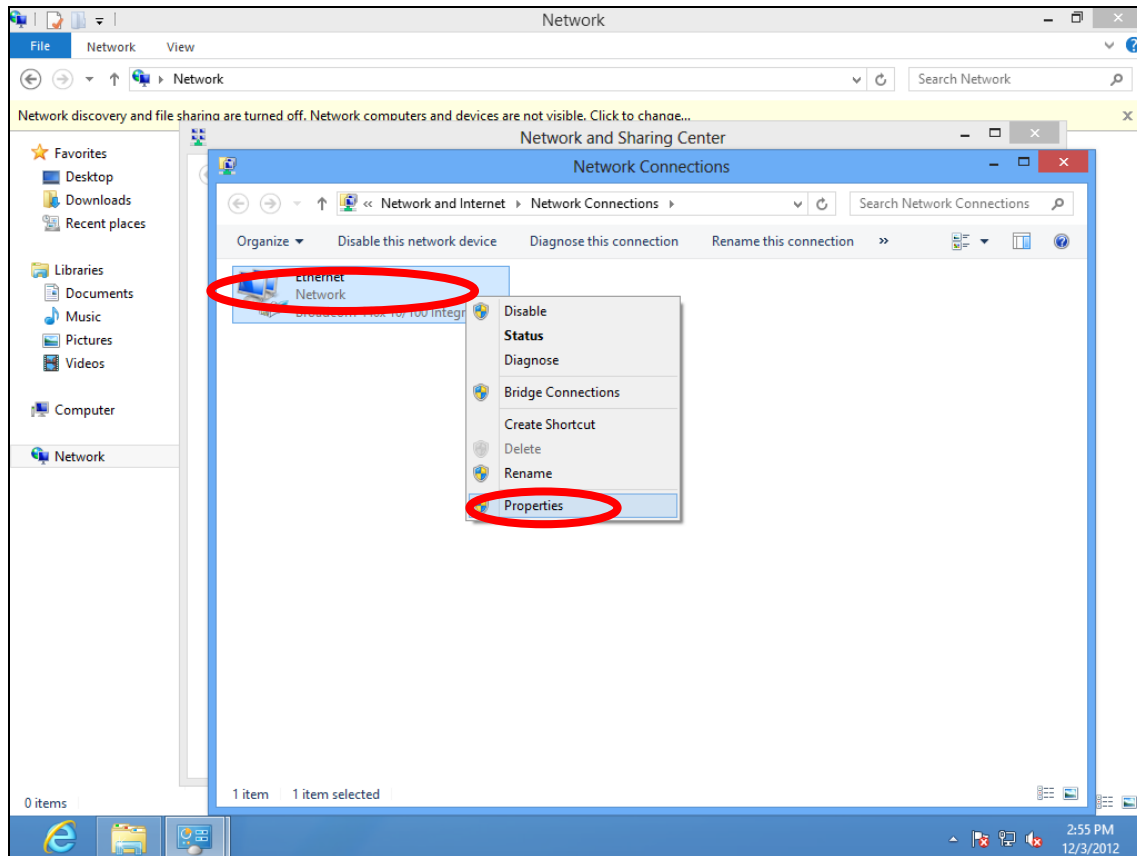
2. Right click "Network" and then select "Properties".



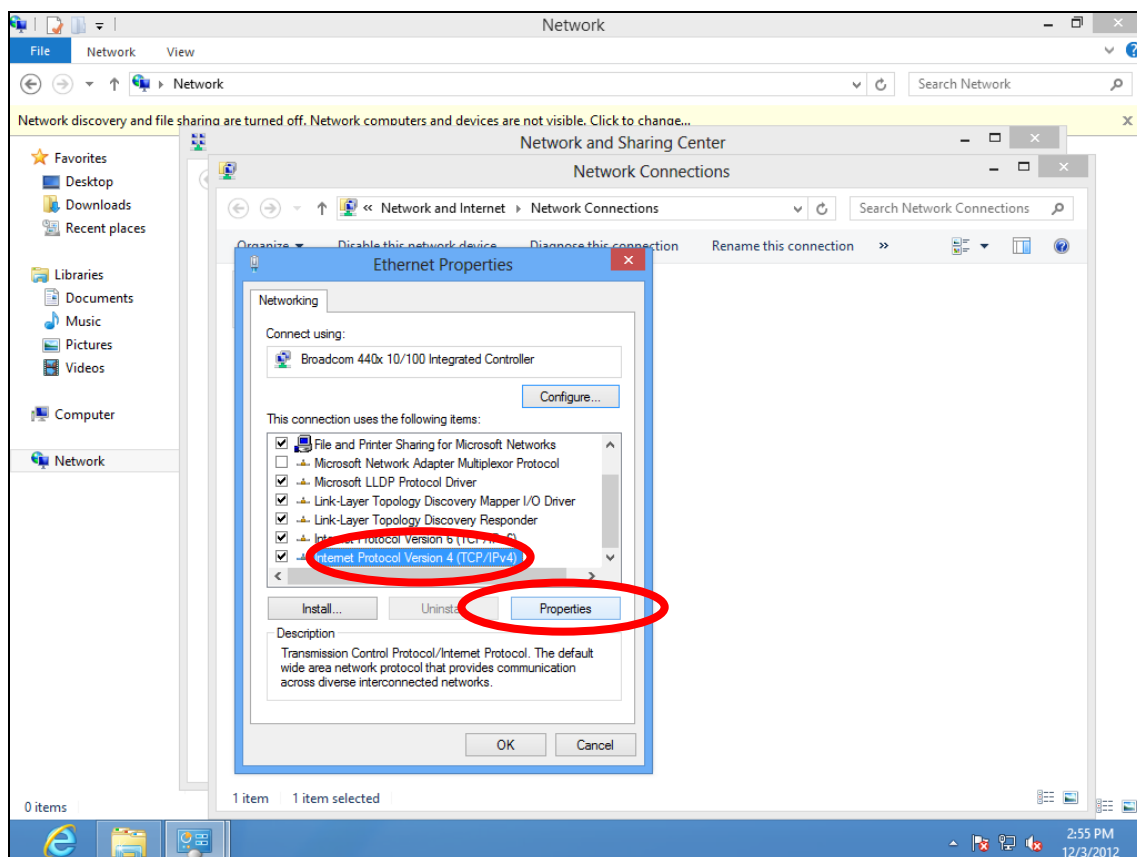
3. In the window that opens, select “Change adapter settings” from the left side.



4. Choose your connection and right click, then select “Properties”.



5. Select “Internet Protocol Version 4 (TCP/IPv4)” and then click “Properties”.





**6.** Select “Use the following IP address”, then input the following values:



***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.***

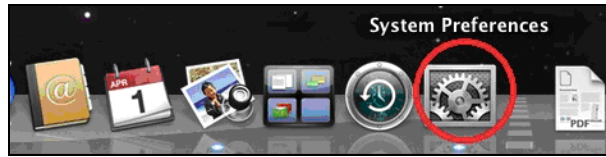
**IP address:** 192.168.9.20

**Subnet Mask:** 255.255.255.0

Click ‘OK’ when finished.

### IV-1-2-3. Mac

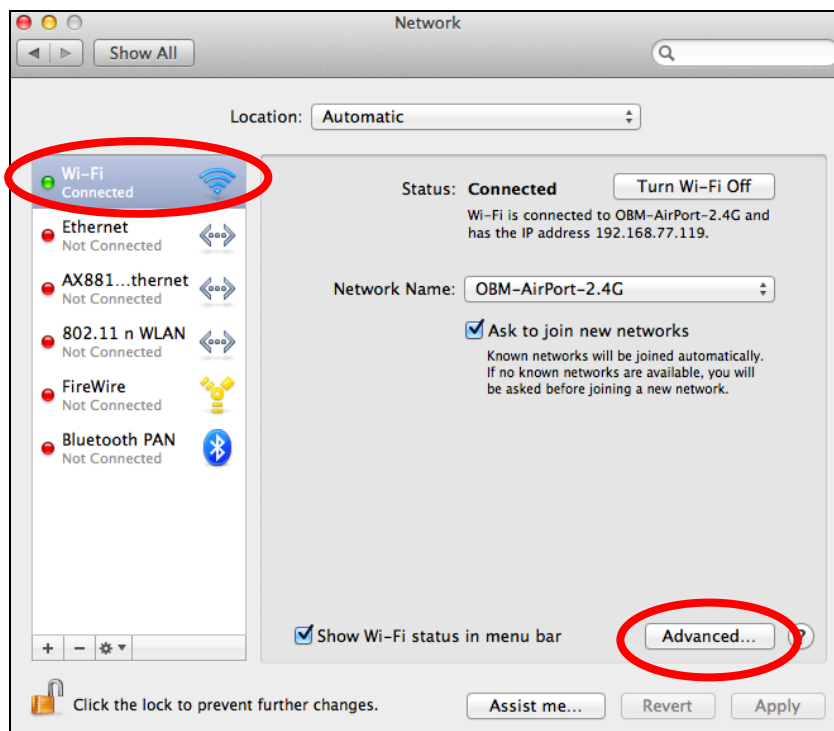
1. Have your Macintosh computer operate as usual, and click on “System Preferences”



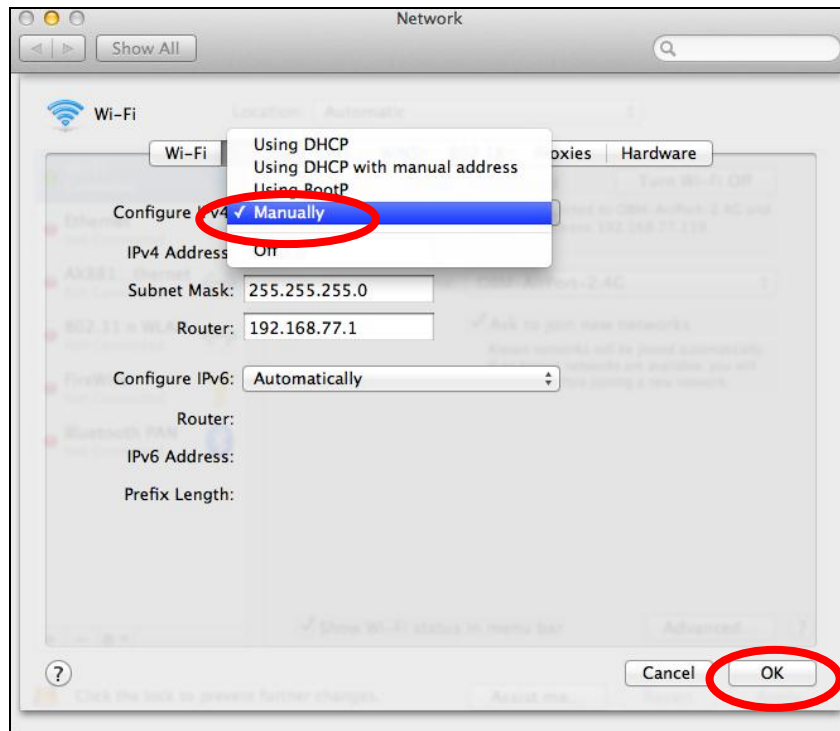
2. In System Preferences, click on “Network”.



3. Click on “Wi-Fi” in the left panel and then click “Advanced” in the lower right corner.

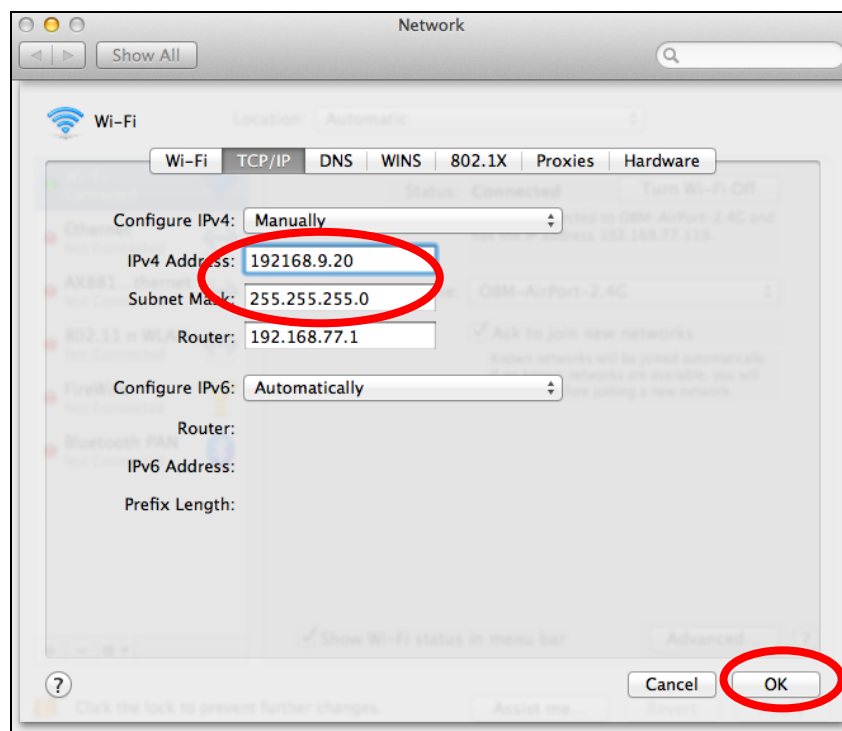


4. Select “TCP/IP” from the top menu and select “Manually” from the drop down menu labeled “Configure IPv4”, then click “OK”.

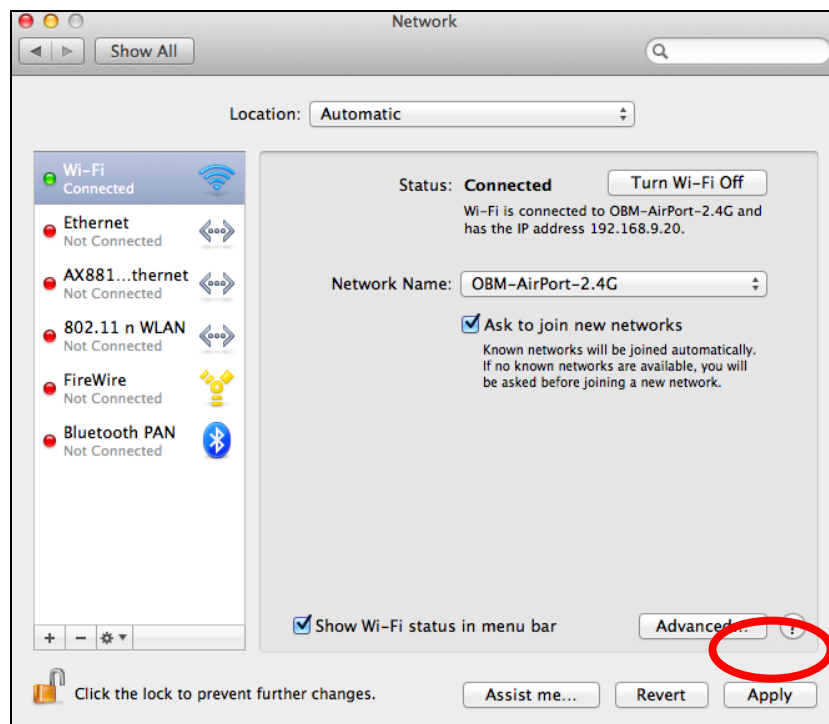


***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.***

- 5.** In the “IPv4 Address” and “Subnet Mask” field enter IP address 192.168.9.20 and subnet mask 255.255.255.0. Click on “OK”.



## 6. Click “Apply” to save the changes.






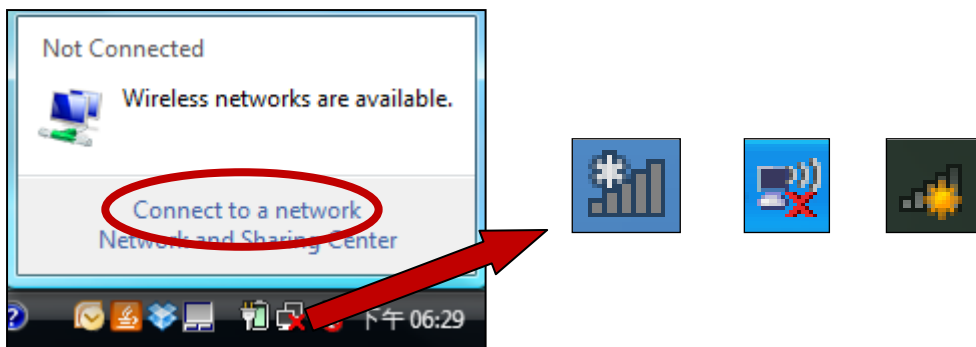
## IV-2. Connecting to a Wi-Fi network

For help connecting to your device's **edimaxext.setup** SSID for initial setup, or to connect to your device's new Wi-Fi network (SSID) after setup is complete, follow the guide below:

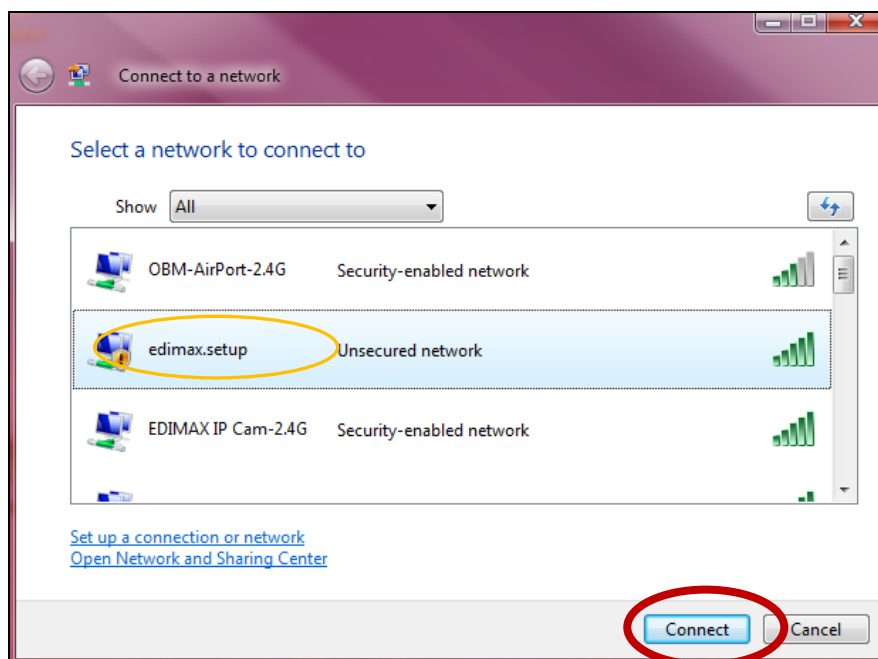


***Below is an example of how to connect using Windows Vista – the process may vary slightly for other versions of Windows.***

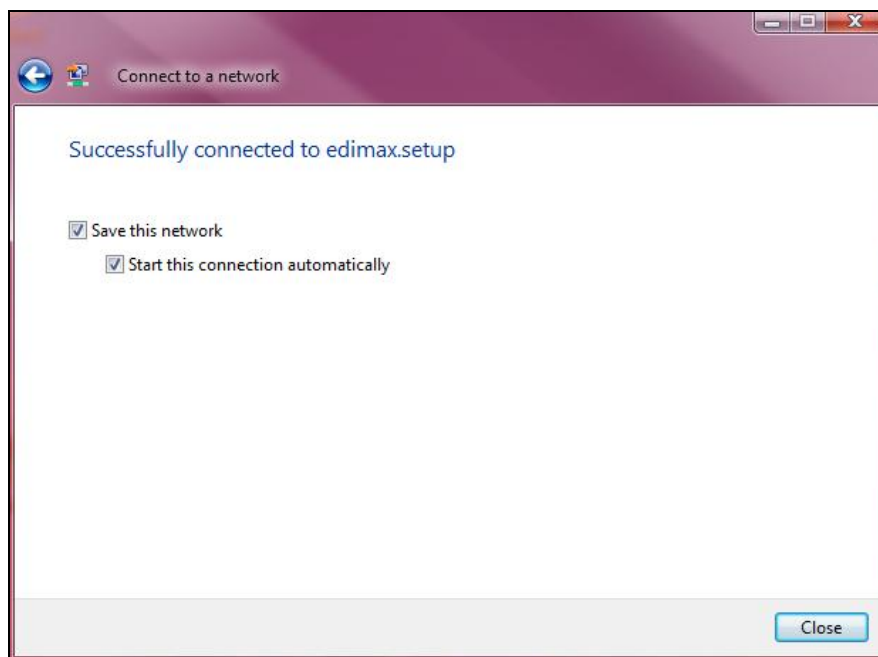
1. Click the network icon ( , , or  ) in the system tray and select “**Connect to a network**”.



2. Search for the SSID of your RE11S and then click “Connect”. If you set a password for your network, you will then be prompted to enter it.



- 3.** After correctly entering your password, you will be successfully connected to the RE11S's wireless network.



### IV-3. Troubleshooting

If you are experiencing problems with your wireless extender, please refer to this troubleshooting guide before contacting your dealer of purchase for help.

Scenario	Solution
I can't log onto the browser-based configuration interface.	<ul style="list-style-type: none"><li>a. Please check that the extender is correctly inserted into a power socket and check the LEDs on the front panel. If the extender is initializing after being switched off or restarted, wait for a 2 minutes and try again.</li><li>b. Make sure you are using the full, correct URL: <b>http://edimaxext.setup</b></li><li>c. If you are using a MAC or IP address filter, try to connect the wireless extender using a different computer.</li><li>d. Set your computer to obtain an IP address automatically (DHCP), and see if your computer can obtain an IP address.</li><li>e. Ensure that all other Wi-Fi/Ethernet adapters are disabled or disconnected.</li><li>f. Password is case-sensitive. Make sure the "Caps Lock" light is not illuminated.</li><li>g. b. If you do not know your password, restore the device to factory settings.</li></ul>
I can't establish a connection to my wireless extender.	<ul style="list-style-type: none"><li>a. If encryption is enabled, please re-check WEP or WPA passphrase settings on your wireless client. The password is case-sensitive. Make sure the "Caps Lock" light is not illuminated.</li><li>b. Try moving closer to the wireless extender.</li><li>c. Switch off the extender and switch it back on after 10 seconds.</li><li>d. Please check that the extender is correctly inserted into a power socket and check the LEDs on the front panel.</li></ul>
File downloads are very slow or frequently interrupted.	<ul style="list-style-type: none"><li>a. Reset the wireless extender</li><li>b. Try again later. Your local network may be experiencing technical difficulties or very high usage.</li><li>c. Change channel number.</li></ul>
The wireless extender	<ul style="list-style-type: none"><li>a. It is normal for the wireless extender to heat up</li></ul>

is extremely hot.	<p>during frequent use. If you can safely place your hand on the wireless extender, the temperature of the device is at a normal level.</p> <p>b. If you smell burning or see smoke coming from wireless extender then disconnect the extender immediately, as far as it is safely possible to do so. Call your dealer of purchase for help.</p>
My network device can't access the Internet.	<p>a. Ensure that your broadband router is fully functional.</p> <p>b. Switch off both your network device and wireless extender and switch back on again.</p> <p>c. Ensure that the wireless extender is powered on (check the PWR LED).</p> <p>d. On the browser based configuration interface home page, check "Status" under "Wireless Configuration". It should be "Connected" – if it is "Disconnected" then this means the wireless extender is not connected to your router/access point.</p>
My wireless extender has a poor signal from my access point/router.	<p>The best location to place the Wi-Fi extender is one which is an open space, roughly in the middle between your router and the Wi-Fi dead zone, and where the Wi-Fi extender LED displays "Excellent" signal strength.</p> <p>a. Keep the extender away from other radio devices such as microwaves or wireless telephones.</p> <p>b. Do not put the extender in the corner of a room or under/nearby metal.</p> <p>c. It is recommended to plug the extender directly into a wall socket.</p> <p>d. Ensure there are as few obstacles as possible between the extender and the access point/router.</p>
Can I use the same SSID as my current gateway router for my Wi-Fi extender?	Yes, but it is not recommended as it will be difficult to distinguish between two SSIDs with the same name.



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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website [www.edimax.com](http://www.edimax.com) for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

## **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.

### **R&TTE Compliance Statement**

This equipment complies with all the requirements of DIRECTIVE 1999/5/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL of March 9, 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity (R&TTE). The R&TTE Directive repeals and replaces in the directive 98/13/EEC (Telecommunications Terminal Equipment and Satellite Earth Station Equipment) As of April 8, 2000.

### **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 cerințele esențiale și 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 requisitos essenciais 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**



## 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 Wi-Fi Roaming Mesh Extender  
**Model No.:** RE11S

The following European standards for essential requirements have been followed:

### Directives 2014/53/EU

Spectrum : EN 300 328 V2.1.1 (2016-11)  
EN 301 893 V2.1.1 (2017-05)  
EMC : EN 301 489-1 V2.0.0 (2017-03)  
EN 301 489-17 V3.2.0 (2017-03)  
EMF : EN 62311:2008

### Directives 2014/35/EU

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

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Neihu Dist., Taipei City,  
Taiwan

### Signature:

Printed Name: David Huang  
Title: Director  
Edimax Technology Europe B.V.



Date of Signature: June, 2017

Signature:

A handwritten signature in black ink, appearing to read 'Albert Chang', written over a horizontal line.

Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.

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