

# Edimax Gemini Home Wi-Fi Roaming Upgrade Kit RE11

## User Manual

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### **Edimax Technology Co., Ltd.**

No. 278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan

Email: [support@edimax.com.tw](mailto:support@edimax.com.tw)

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### **Edimax Technology Europe B.V.**

Fijenhof 2, 5652 AE Eindhoven, The Netherlands

Email: [support@edimax.nl](mailto:support@edimax.nl)

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### **Edimax Computer Company**

3350 Scott Blvd., Bldg.15 Santa Clara, CA 95054, USA

Live Tech Support: 1(800) 652-6776

Email: [support@edimax.com](mailto:support@edimax.com)

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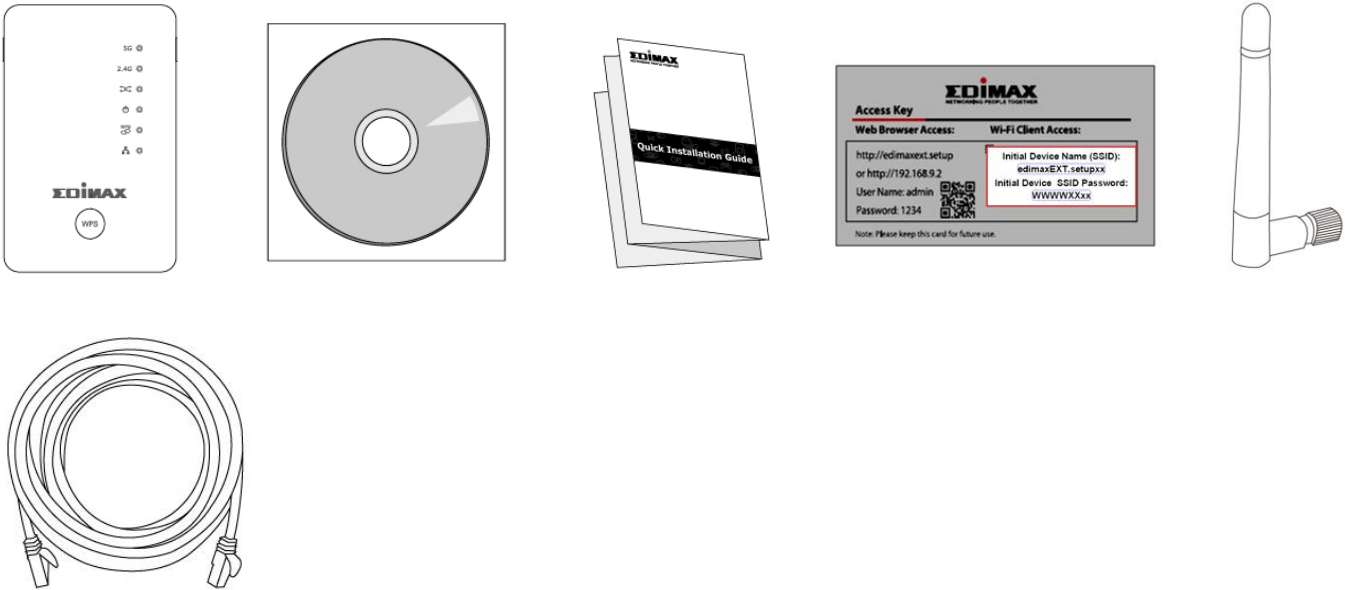
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# I. Product Information

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## I-1. Package Contents



- RE11S x 2
- CD with multi-language QIG & user manual
- Quick installation guide (QIG)
- Access key card
- Antenna x 4
- 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



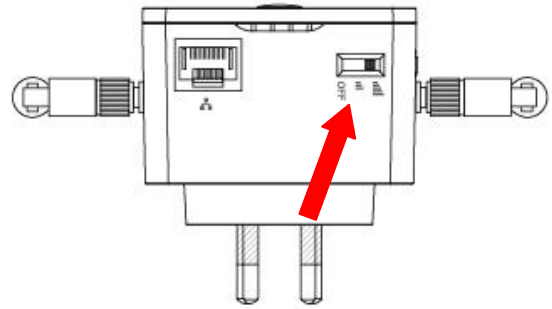
*All LEDs are disabled in green mode. The best signal strength is 60 – 80% since above 80% is likely too close to your router for the extender to be effective.*

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

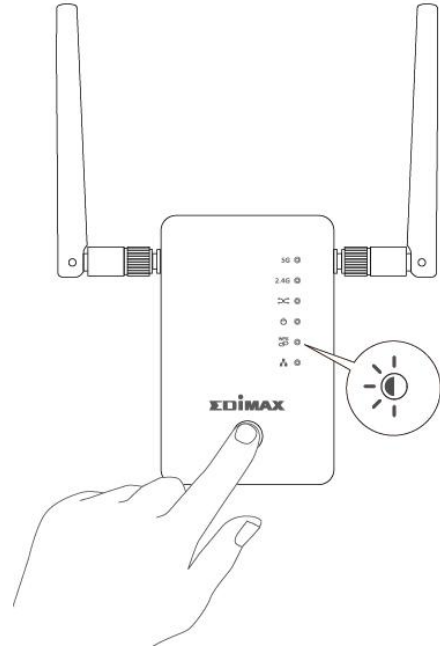


***Tx power can also be adjusted using the web-based U.I. (Administration → Wireless). Set the switch to “Normal” before adjusting the Tx value in the web-based U.I.***

## I-5. WPS & Roaming

After setting up a master extender (see **II. Installation**), additional extenders can join your network with automatic roaming simply by using the WPS button. Ensure both extenders are within range of each other.

- 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).

The WPS button can also be used to upgrade firmware. Refer to **III-3-6-5-1. Auto Upgrade with WPS** Button for more information.

## I-6. WPS Button with Wireless Scheduling

When wireless scheduling is in operation so that one Wi-Fi frequency is **active** and one Wi-Fi frequency is **off**, the WPS button's primary function is to **activate** the Wi-Fi frequency that is **off**.

E.g. when 2.4GHz Wi-Fi is **active** and 5GHz Wi-Fi is **off**, press the WPS button **once** to activate/wake the 5GHz network.

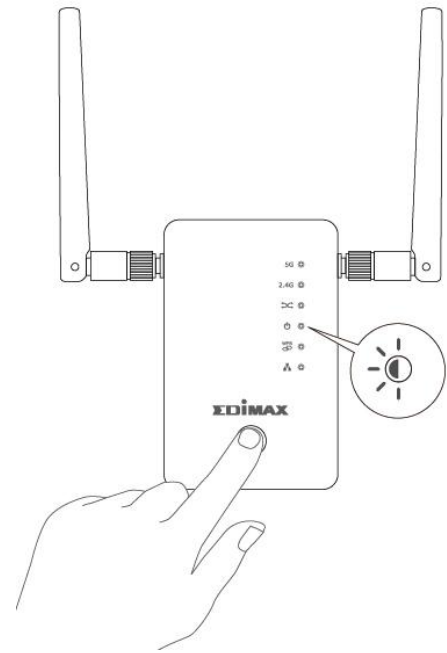
Following this, the WPS button functions normally as described above in **WPS Setup** and can be pressed to activate **WPS**.



## I-7. 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-8. 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. Installation

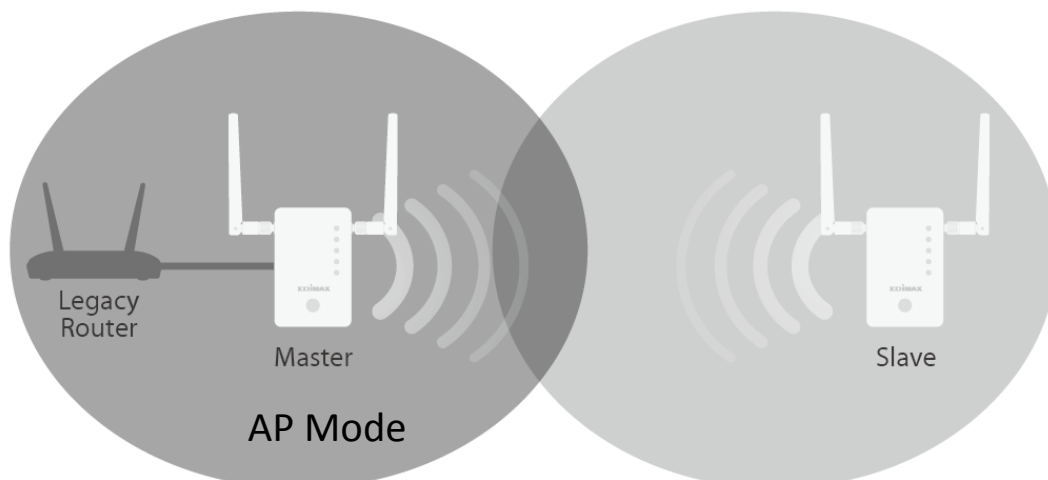
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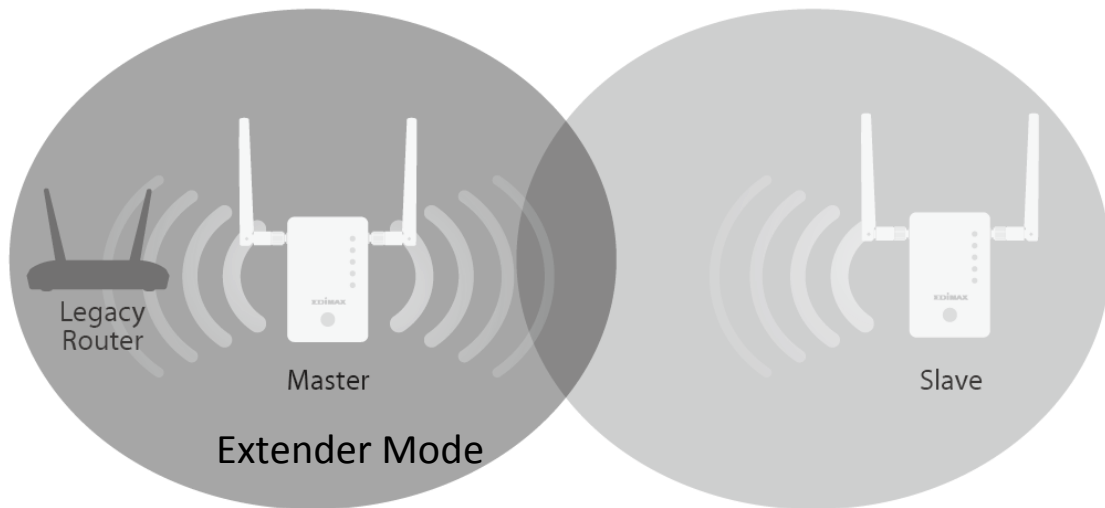
Your RE11 kit includes two extenders which support roaming. This means after setup your Wi-Fi devices (smartphones, tablets etc.) will automatically connect to the best available Wi-Fi signal as you move around.



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

Then for the **second extender** (or others) simply use the **WPS button** to connect to the master. Roaming will be available automatically and the extender(s) uses the same SSID, password and other settings as 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.



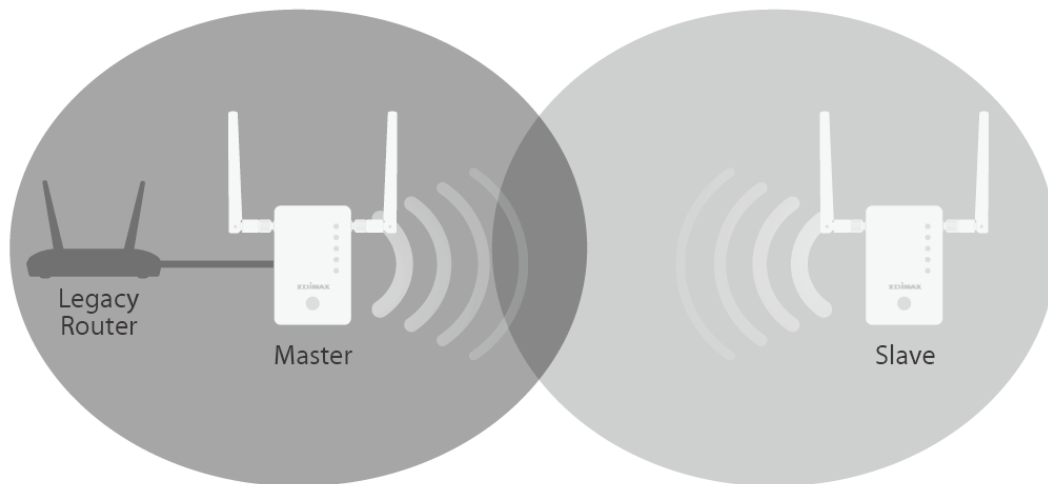
***Please ensure your router's DHCP server is enabled. For most routers this is enabled by default. If your DHCP server is disabled, you will need to assign an IP address to your extenders. Refer to the user manual for more help.***

Your second/other extender will automatically be set to Wi-Fi Extender mode via the WPS button. See **I-5. WPS & Roaming** after setting up your master (below):

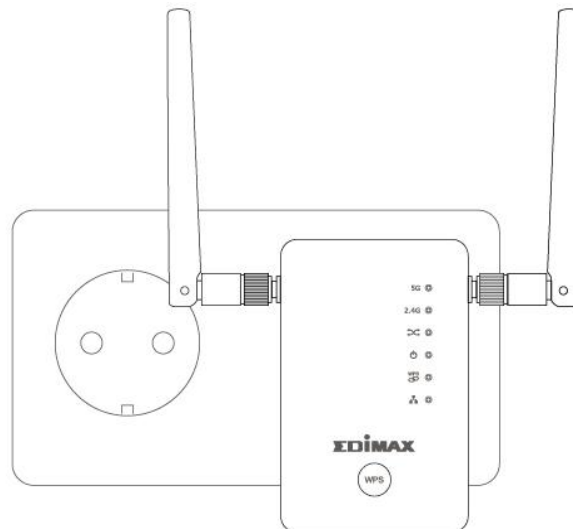
<b>Wi-Fi Extender</b>	<p><i>The device connects wirelessly to your existing network and repeats the wireless signal.</i></p> <p><b>Location:</b> The best location for your extender is roughly in the middle between your existing wireless router/access point and the dead zone. The extender needs to receive 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>

## Access Point Mode

The device connects to an existing router via Ethernet cable and provides wireless Internet access for your network devices.



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.



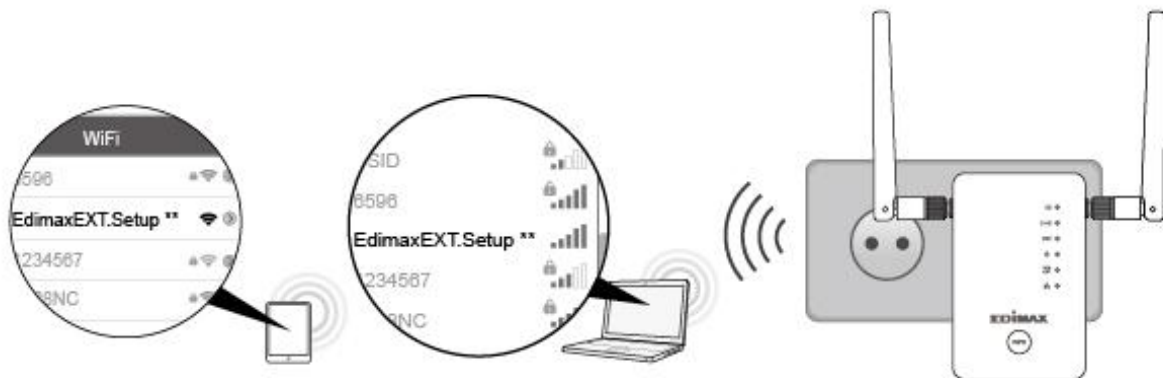
3. The **green** power LED will **flash** while the extender is starting up. The device is ready when the **green** power LED displays **on**.
4. See I-5. **WPS & Roaming** to add second extender.

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



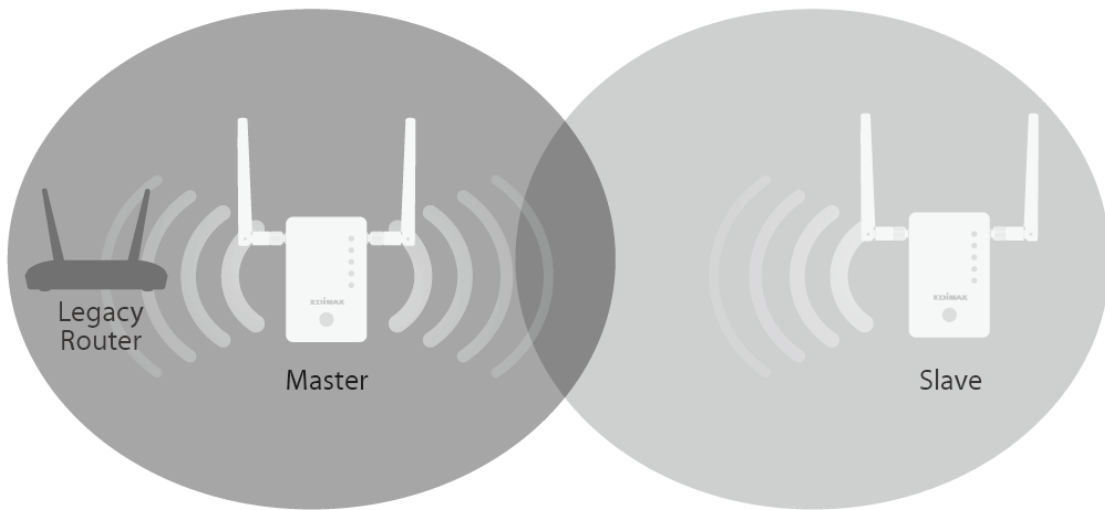
If you don't know how to connect your device to Wi-Fi, see **V. How to connect to Wi-Fi on your devices.**

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

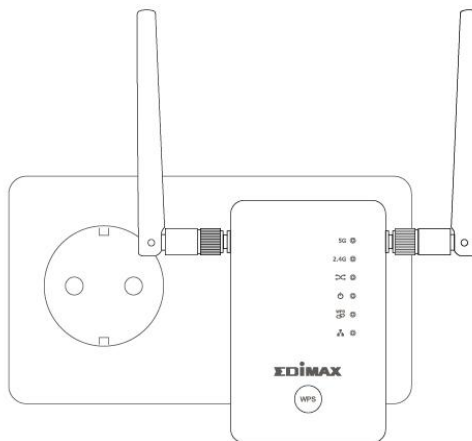


## Wi-Fi Extender Mode

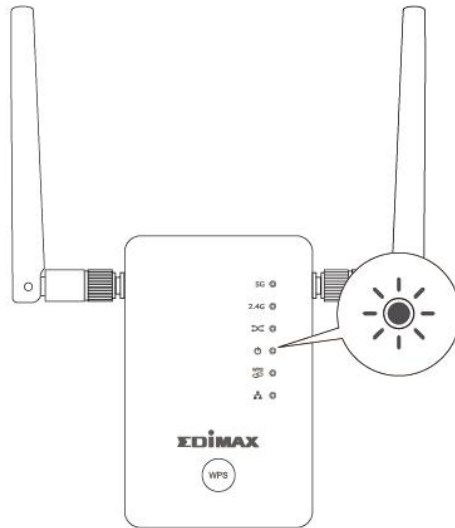
The device connects wirelessly to your existing network and repeats the wireless signal.



1. Plug the RE11S into a power socket.



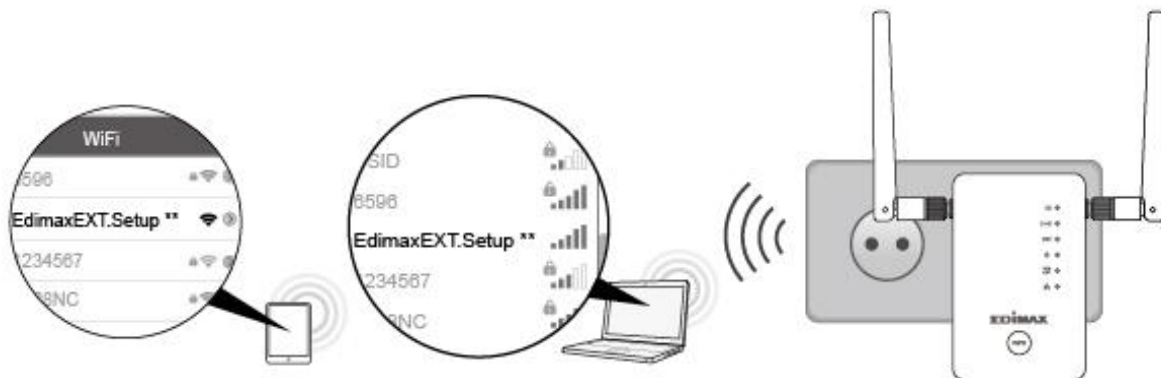
2. The **green** power LED will **flash** while the extender is starting up. The device is ready when the **green** power LED displays **on**.



- 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.

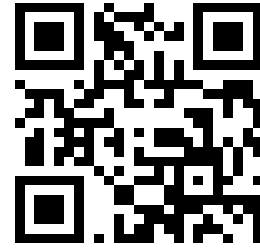
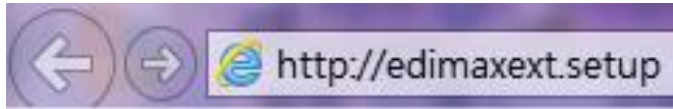



 ***If you are using a computer, please disconnect any Ethernet cables.***



- Open a web browser and if you do not automatically arrive at the “Get Started” screen shown below, enter the URL ***http://edimaxext.setup*** or scan the **QR-Code** below and click **“Get Started”** to begin the setup process.

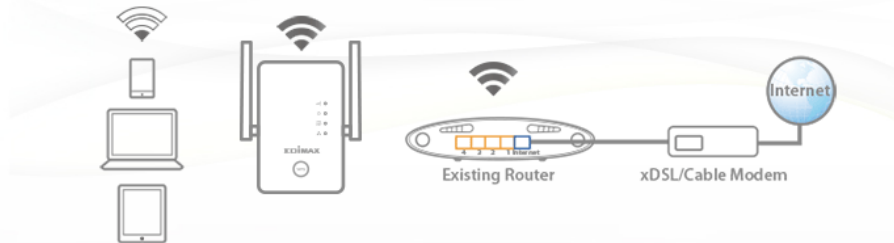




 ***If you cannot access <http://edimaxext.setup>, please make sure your computer is set to use a dynamic IP address. For more information please refer to the user manual.***

- 5.** Select “Yes, I need a Range Extender” to continue setup as a Wi-Fi extender.

The default mode of this product is Wi-Fi extender mode. It connects to your existing network and extends the wireless signal range.



CHANGE TO A DIFFERENT MODE

YES, I NEED A Wi-Fi EXTENDER

6. Follow the on-screen instructions for your selected mode to complete setup. You can configure the product for 2.4 GHz and/or 5GHz Wi-Fi.
7. See I-5. **WPS & Roaming** to add 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.***



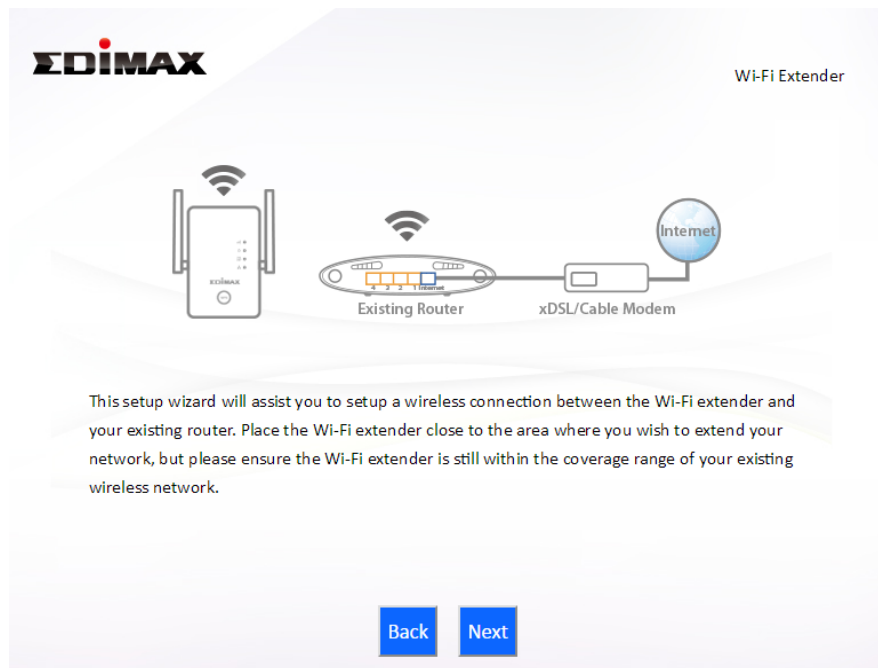
***Extenders in AP mode will use different SSIDs than each other.***

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

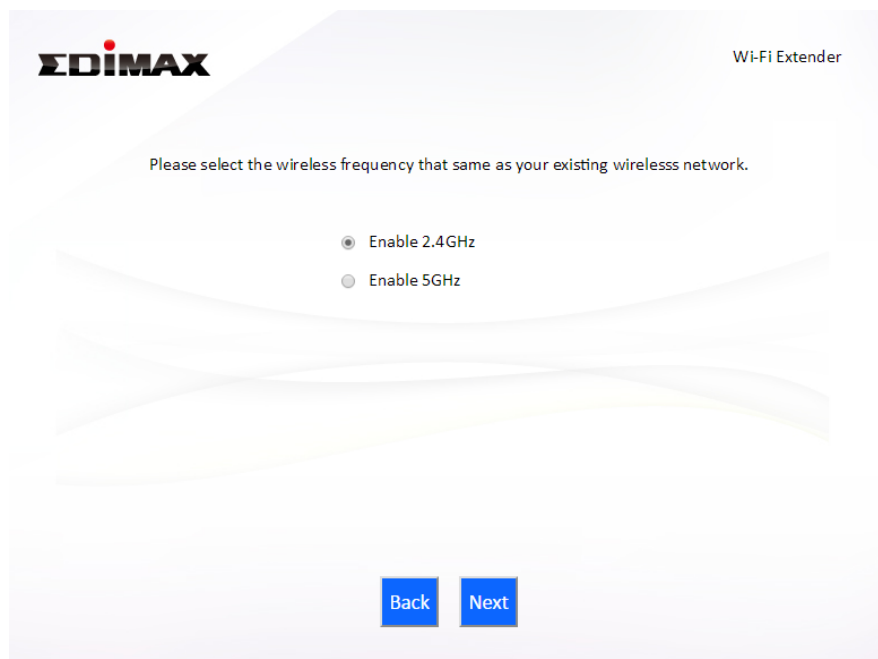


## II-1. Wi-Fi Extender Mode

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 range 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"/>	chichi	96 %
<input type="radio"/>	matt	76 %
<input type="radio"/>	JackWAP	44 %
<input type="radio"/>	DIRECT-V8-BRAVIA	39 %
<input type="radio"/>	max866799	34 %
<input type="radio"/>	Jackchen	15 %



***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):

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.

Wi-Fi Extender

### 2.4GHz Wireless Site Survey

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

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


Back

Next




***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.***

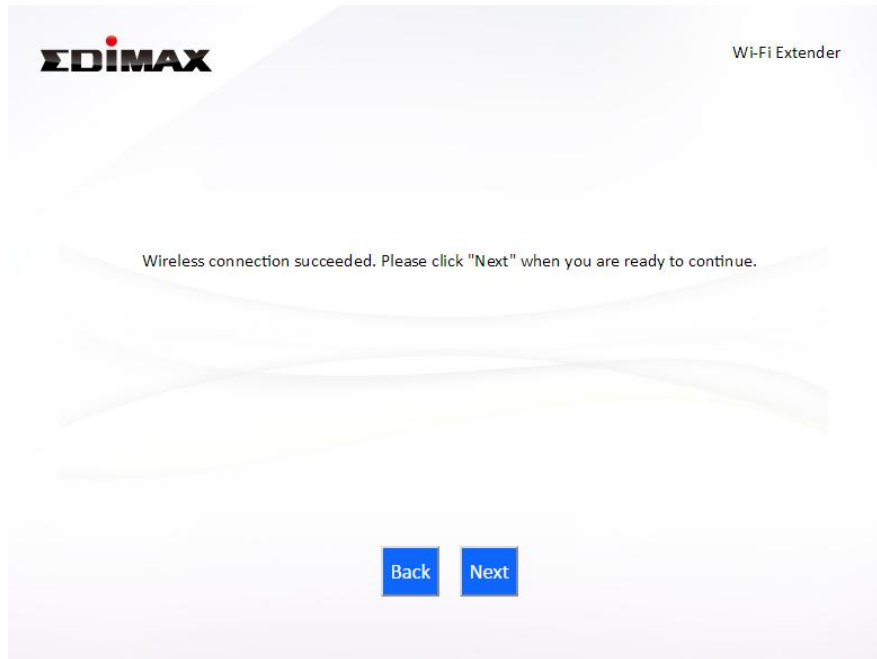
**5.** Wait a moment while the RE11S tests the wireless connection.

Wi-Fi Extender


### Testing wireless connection

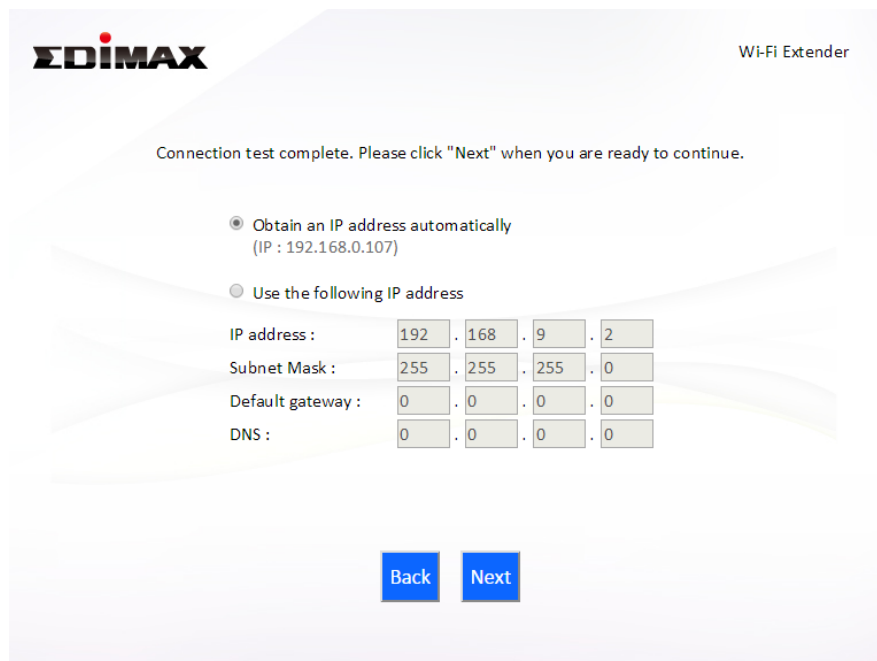
14%



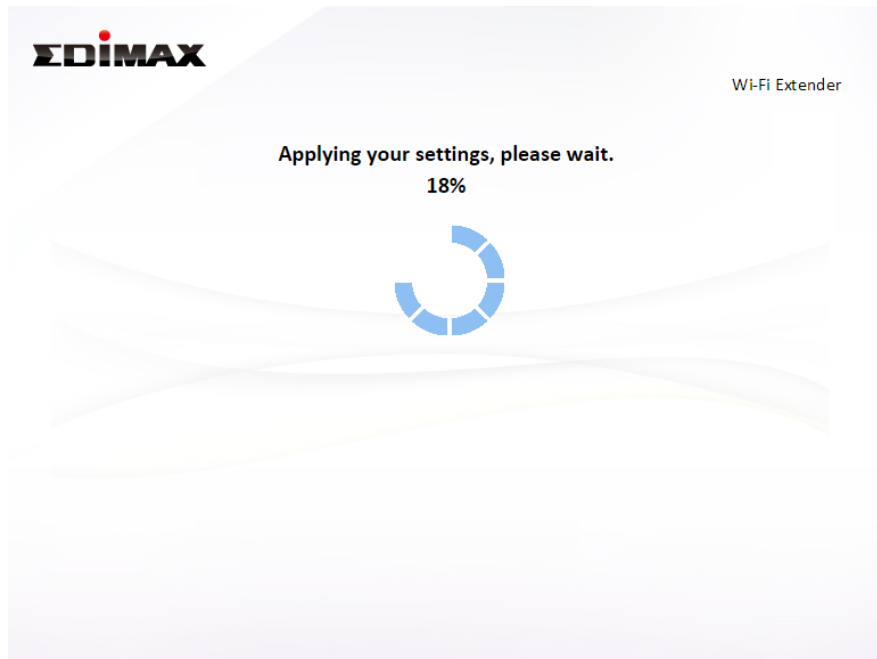


- 6.** Select “Obtain an IP address automatically” or “Use the following IP address” for your RE11S. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click “Next” to proceed to the next step.

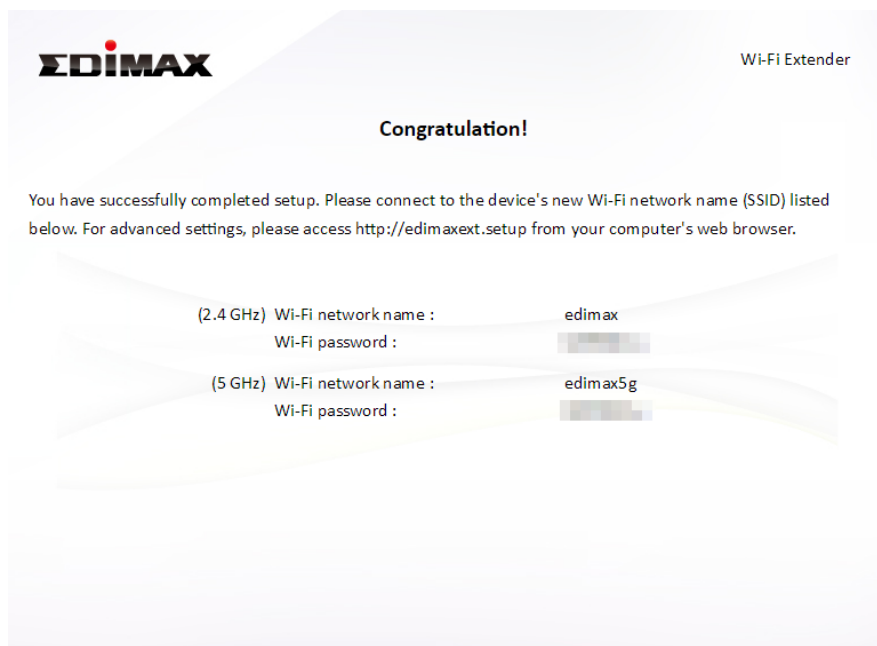
 ***“Obtain an IP address automatically” is the recommended setting for most users. The IP address will be displayed in brackets.***



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



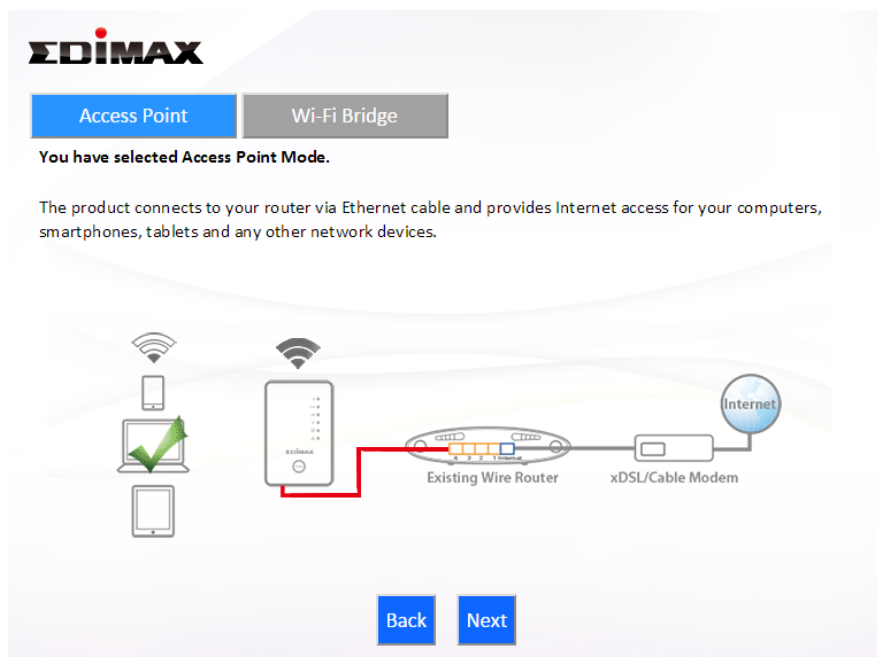
8. A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.



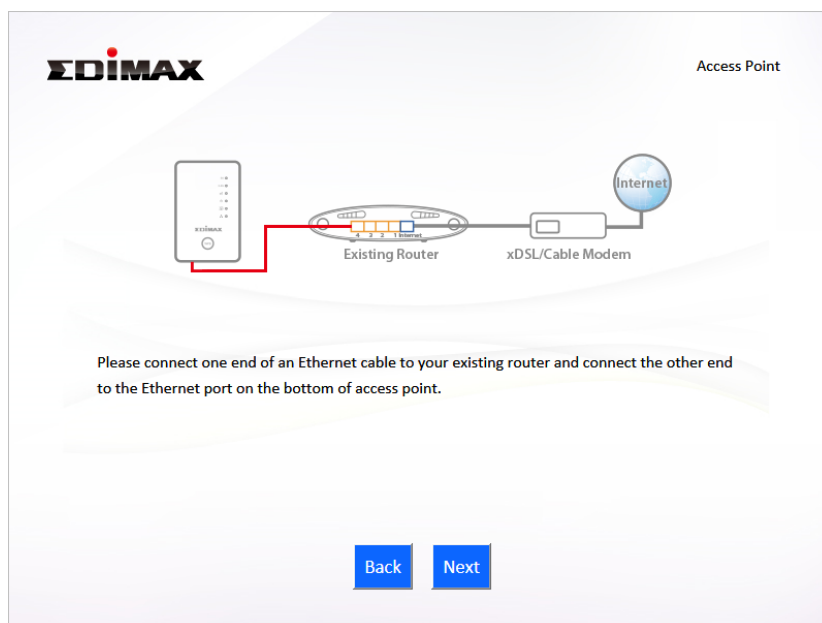
9. The RE11S is working and ready for use. Refer to [IV-2. Connecting to a Wi-Fi network](#) if you require more guidance.

## II-2. 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 :  .  .  .   
Subnet Mask :  .  .  .   
Default gateway :  .  .  .   
DNS :  .  .  .

[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.

**EDIMAX** Access Point

Please set your Wi-Fi network name (SSID) and Wi-Fi password.

Wi-Fi network name (2.4GHz): edimax\_2.4G\_0793AC

Wi-Fi password (WPA2-AES): abcd1234  
(at least 8 characters)

Wi-Fi network name (5GHz): edimax\_5G\_0793AD

Wi-Fi password (WPA2-AES): abcd1234  
(at least 8 characters)

[Back](#) [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.

**EDIMAX** Access Point


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 : edimax\_2.4G\_0793AC  
Wi-Fi password : abcd1234

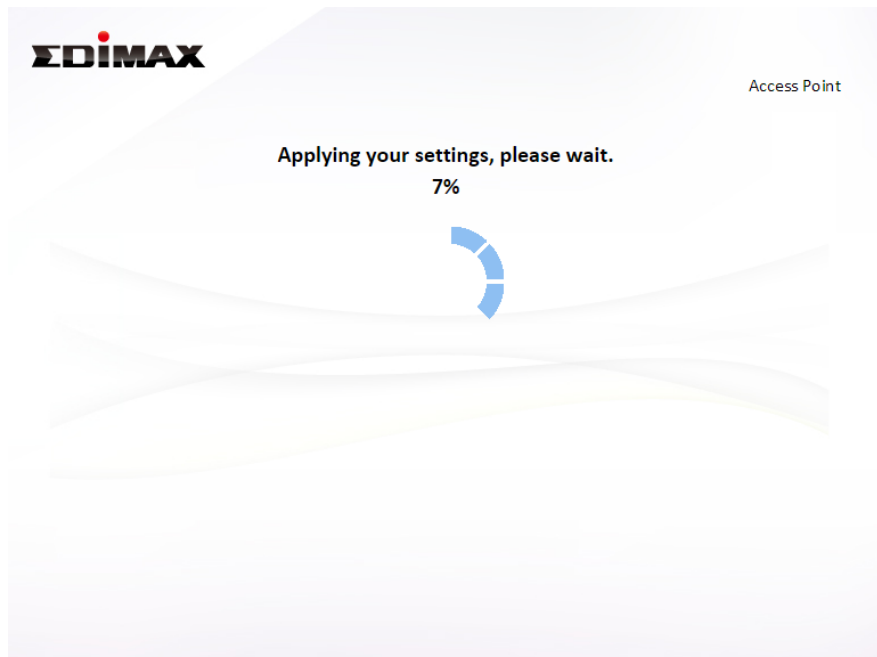
(5 GHz) Wi-Fi network name : edimax\_5G\_0793AD  
Wi-Fi password : abcd1234

[Backup this configuration](#)

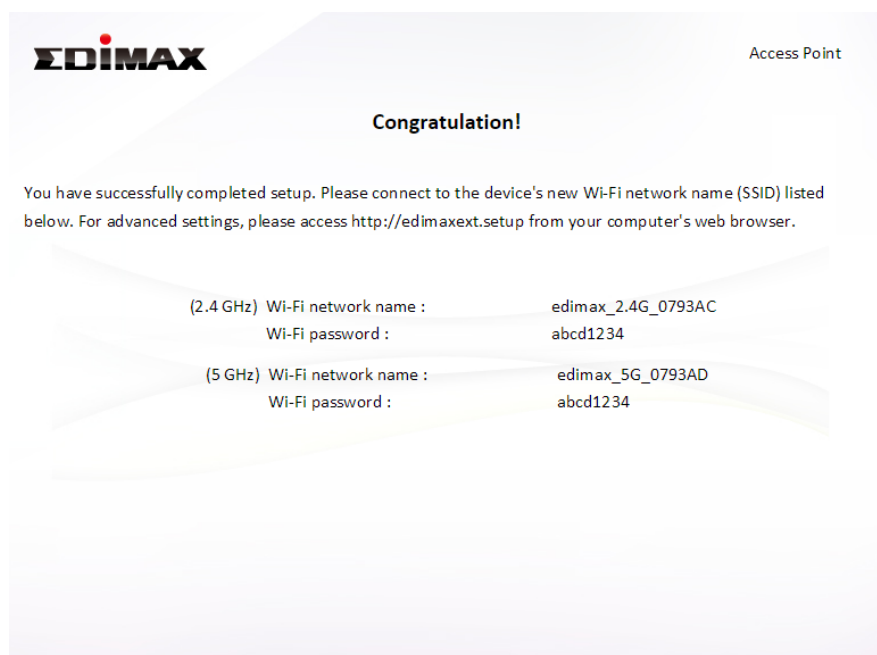
[Back](#) [Next](#)

 ***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.



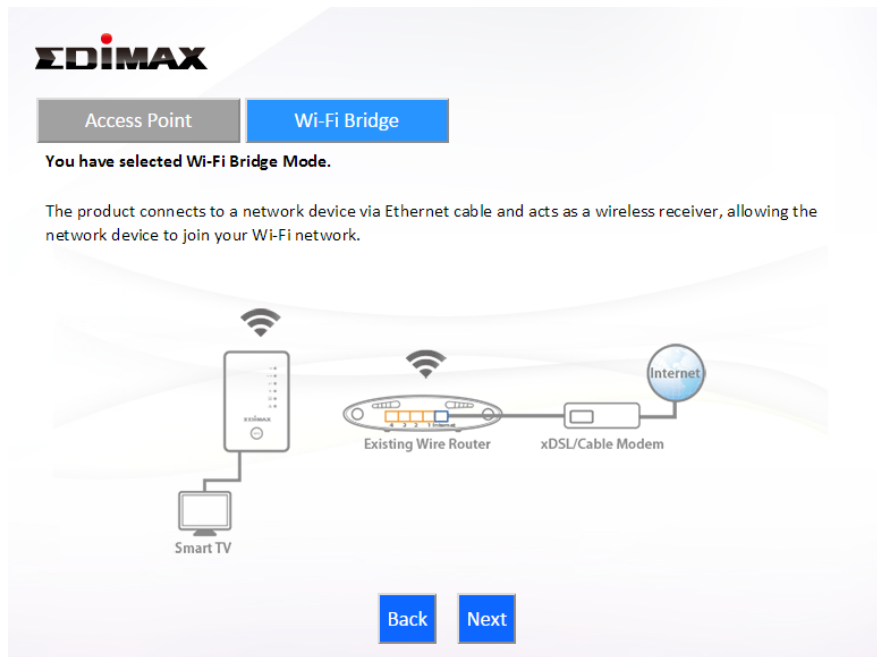
8. A final congratulations screen will indicate that setup is complete. You can now connect to the device's new SSID(s) which are shown on the screen then close the browser window.



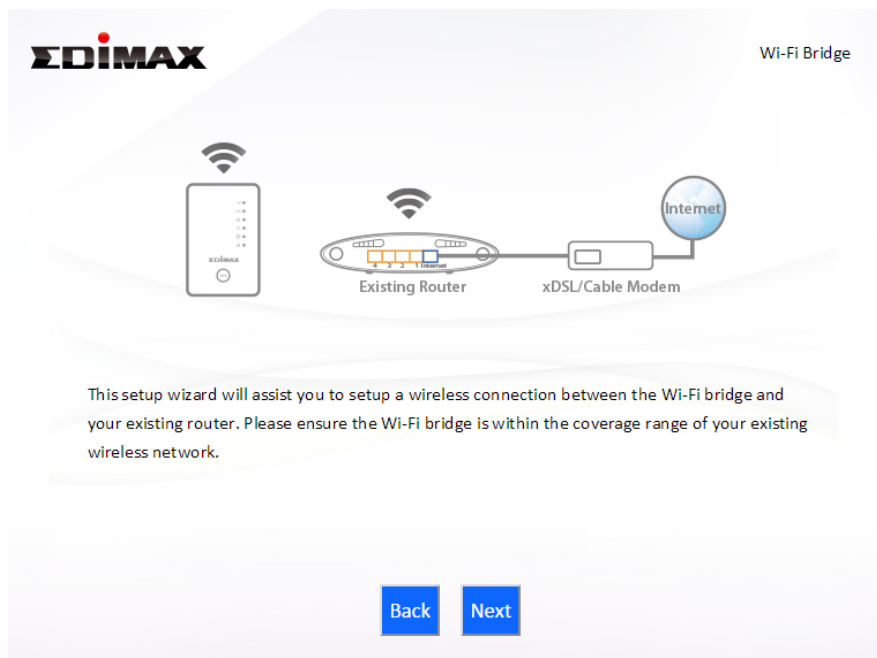
9. The RE11S is working and ready for use. Refer to [IV-2. Connecting to a Wi-Fi network](#) if you require more guidance.

## II-3. Wi-Fi Bridge Mode

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



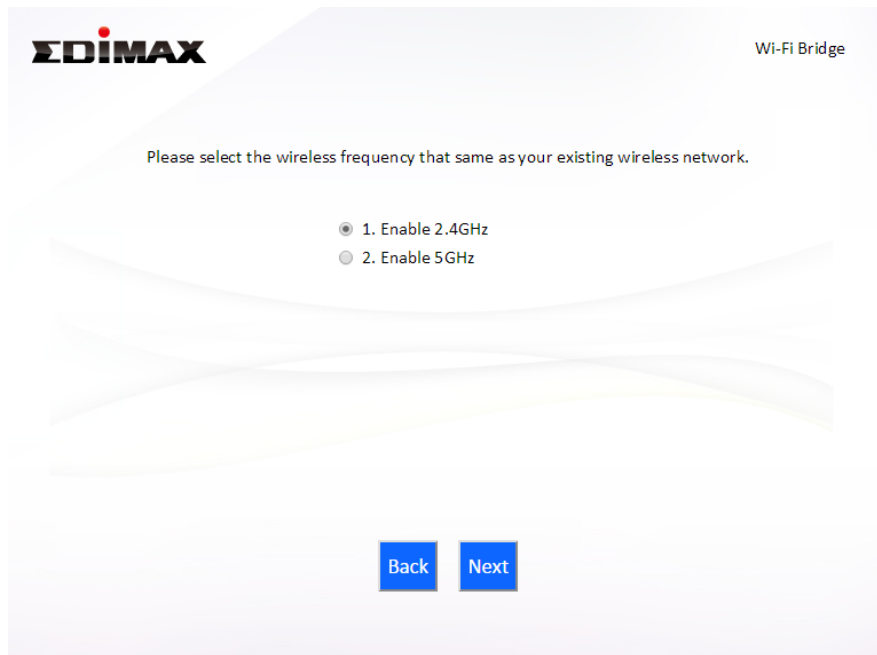
2. Please ensure your RE11S is within Wi-Fi range of your existing wireless router. Click “Next” to continue.



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



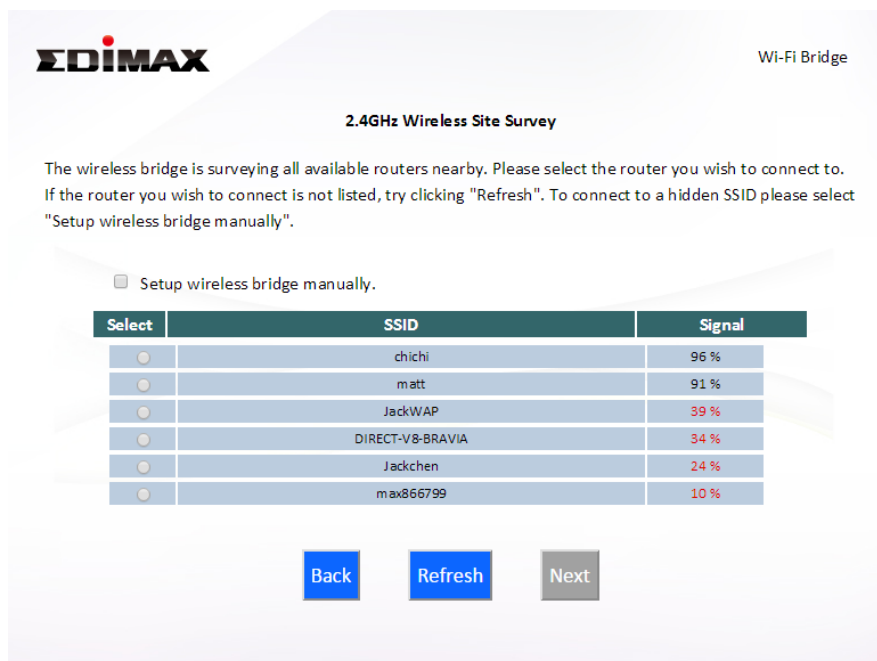
***In wireless bridge mode, the RE11S can only connect to one wireless network/frequency i.e. 2.4GHz or 5GHz.***



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”.***



***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: WPA2 ▾

Security Type:  TKIP  AES

Key Format: Passphrase ▾

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

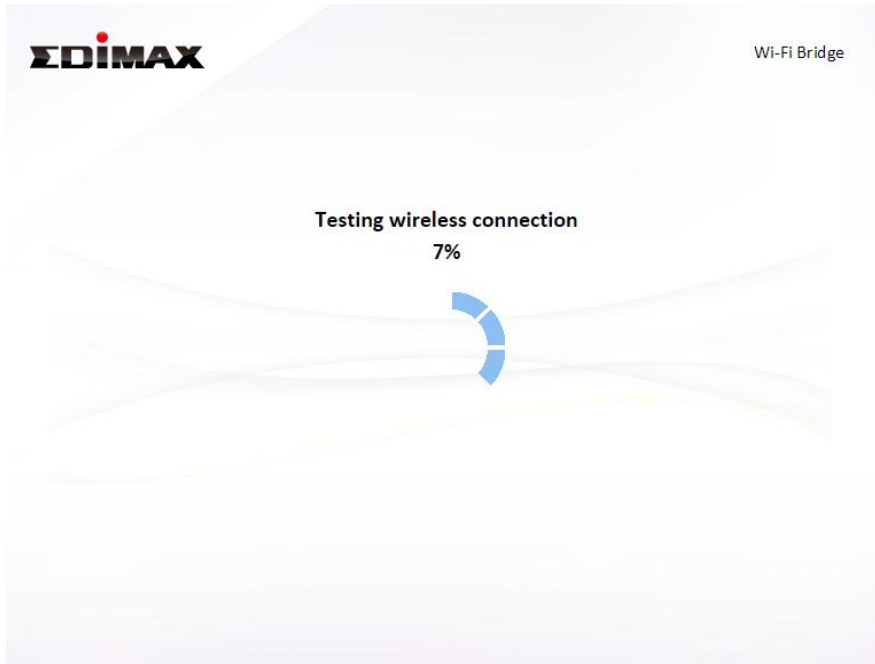
**2.4GHz Wireless Site Survey**

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


Device SSID:

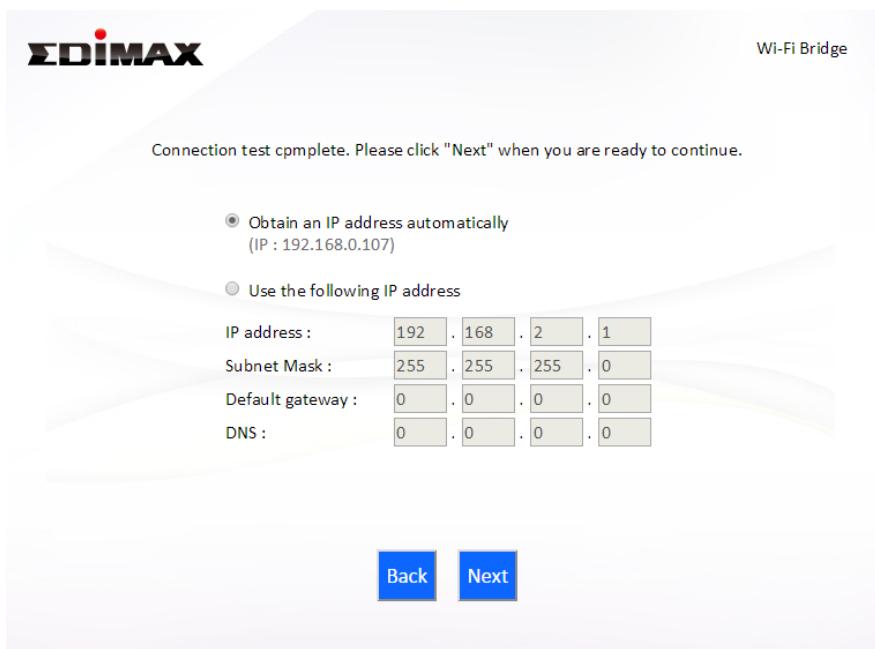
Security Key:

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

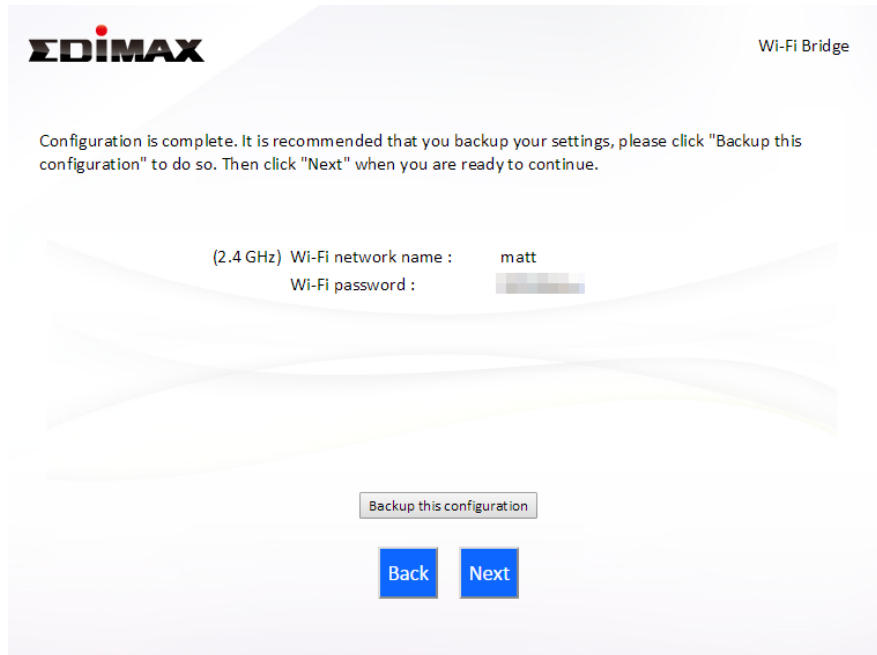



7. Select “Obtain an IP address automatically” or “Use the following IP address” for your RE11S. If you are using a static IP, enter the IP address, subnet mask and default gateway. Click “Next” to proceed to the next step.

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

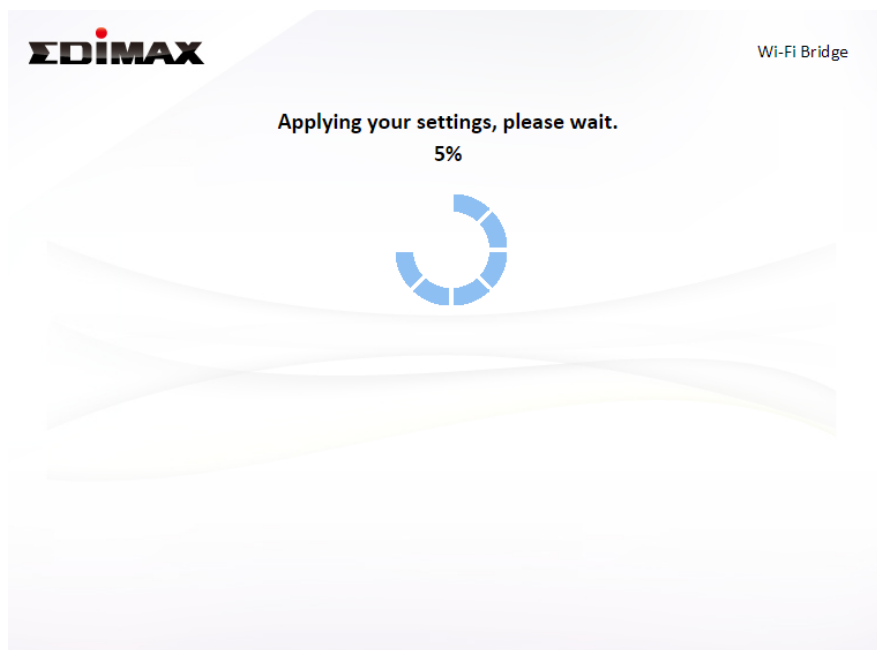


8. A summary of your configuration will be displayed, as shown below. Check that all of the details are correct and then click “Next” to proceed.



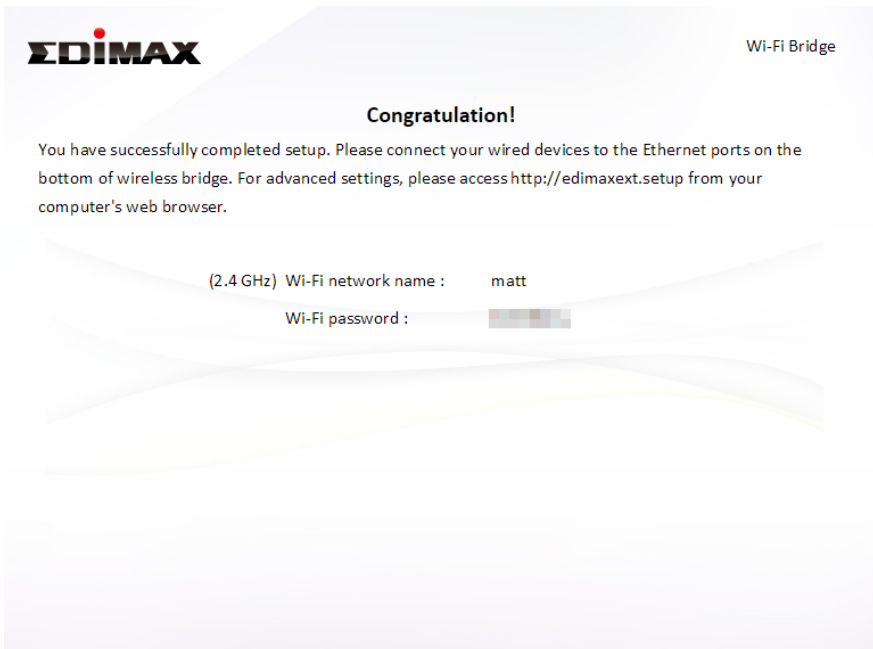
 ***If you wish to backup the RE11S's settings, click "Backup this configuration" to save your current configuration to a .txt file.***

**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*

---

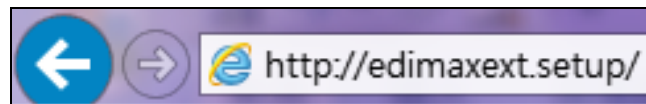
After you have setup the RE11S as detailed in [II. Installation](#) or the included **Quick Installation Guide**, you can use the browser based configuration interface to configure advanced settings.



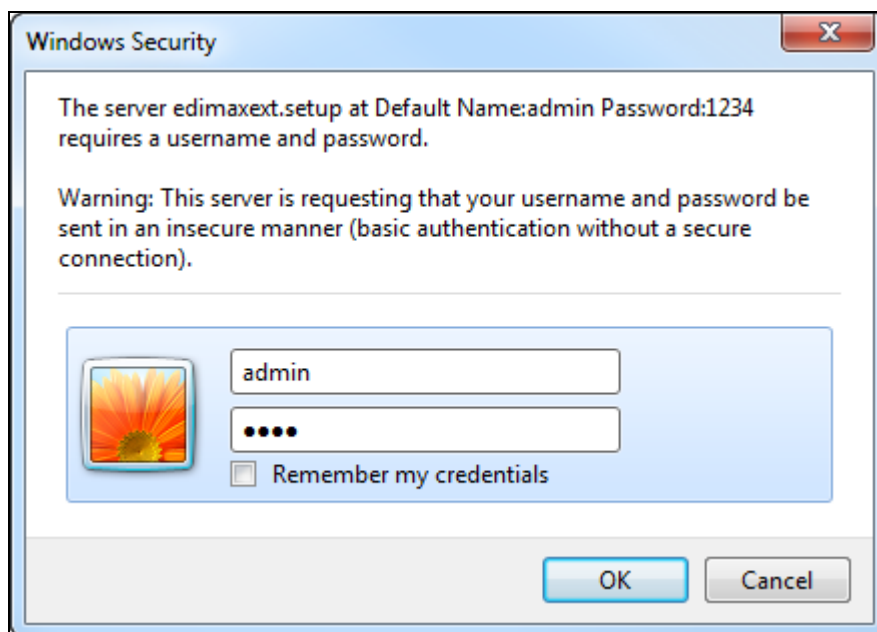
***Please ensure that your computer is set to use a dynamic IP address. Refer to [IV-1. Configuring your IP address](#) for more information.***

#### 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.

The screenshot displays the EDIMAX Wi-Fi Extender web interface. The top header includes the EDIMAX logo with the tagline "NETWORKING PEOPLE TOGETHER", the product name "Wi-Fi Extender", and a language dropdown menu set to "English". On the left side, there is a vertical navigation menu with the following items: Status (highlighted in orange), Setup Wizard, LAN, 2.4GHz Wireless, 5GHz Wireless, and Administration.

The main content area is titled "System Status" and is divided into four sections:

- System:** Model: Wi-Fi Extender; Current Time: 2016/12/27 23:11:27; Hardware Version: Rev. A; Firmware Version: RE11S\_1.05. Below this section is a button labeled "Check the latest version".
- LAN:** IP Address: 192.168.2.108; Subnet Mask: 255.255.255.0; Default Gateway: 192.168.2.1; MAC Address: 00:11:22:33:44:50.
- 2.4GHz Wireless:** Mode: Wi-Fi Extender; Status: Connect; Signal Strengths: 92% (represented by a blue progress bar); SSID: matt; Channel Number: 11; Security: WPA2(AES); MAC Address: 00:11:22:33:44:50.
- 5GHz Wireless:** Mode: Access Point; SSID: matt5; Channel Number: 36; Security: WPA2(AES); MAC Address: 00:11:22:33:44:58.

## 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.**

**System Status**

System		LAN	
Model	Wi-Fi Extender	IP Address	192.168.2.108
Current Time	2016/12/27 23:11:27	Subnet Mask	255.255.255.0
Hardware Version	Rev. A	Default Gateway	192.168.2.1
Firmware Version	RE11S_1.05	MAC Address	00:11:22:33:44:50
<a href="#">Check the latest version</a>			

2.4GHz Wireless		5GHz Wireless	
Mode	Wi-Fi Extender	Mode	Access Point
Status	Connect	SSID	matt5
Signal Strengths	<div style="width: 92%; background-color: #00aaff; border: 1px solid #00aaff;"></div> 92%	Channel Number	36
SSID	matt	Security	WPA2(AES)
Channel Number	11	MAC Address	00:11:22:33:44:58
Security	WPA2(AES)		
MAC Address	00:11:22:33:44:50		

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.**


**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.

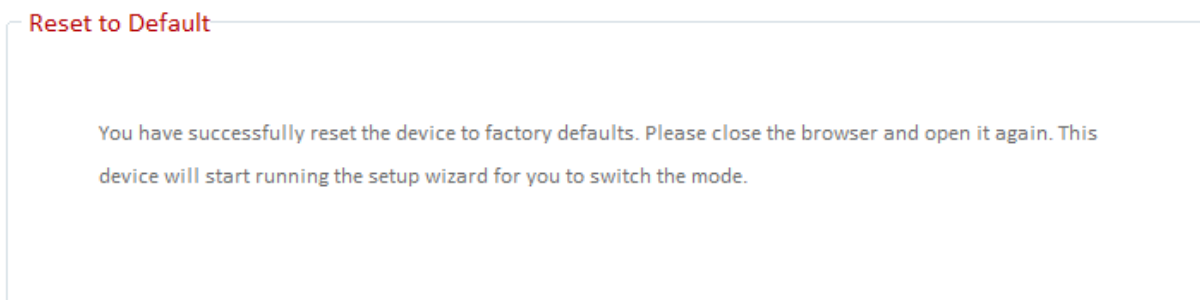


#### Switch to Access Point/ Wi-Fi Extender/ Wi-Fi Bridge mode

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

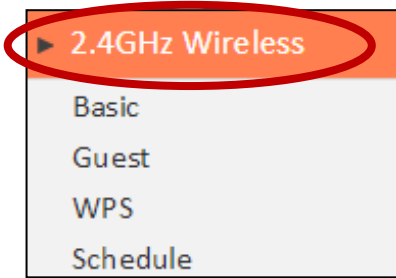
Subnet Mask

Default Gateway Address

DNS Address

<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.

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



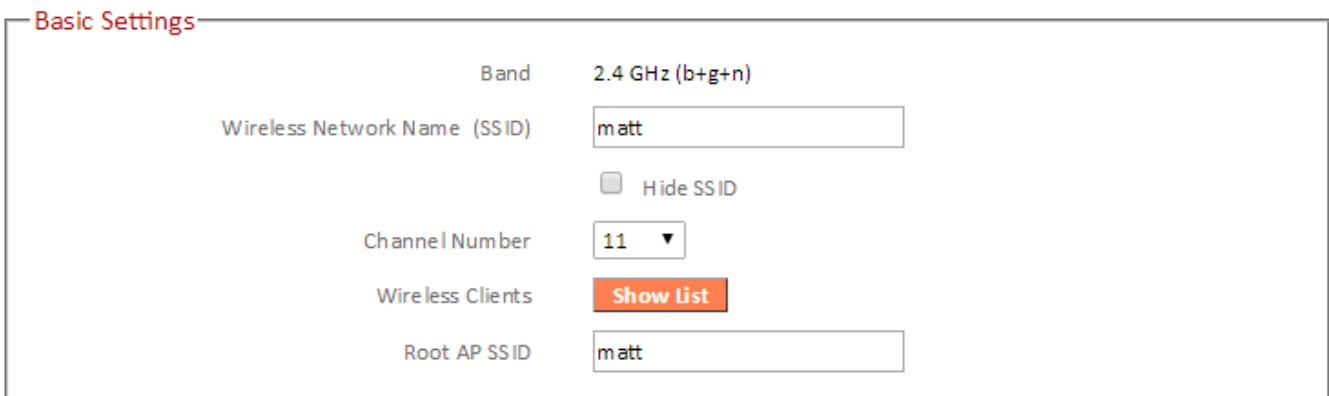
The “2.4GHz Wireless” & “5GHz Wireless” menu allows you to configure SSID and security settings for your Wi-Fi network along with a guest Wi-Fi network. WPS, access control (in access point mode) and scheduling functions can also be managed from here.



*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.



<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	WPA2(AES)
Encryption Key	020586mu

## 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 from the drop-down menu:



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

Wireless Security

Encryption	Disable
------------	---------

Enable 802.1x Authentication

- Disable
- WEP
- WPA Pre-shared Key
- WPA RADIUS

### 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.***

<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

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	<input type="checkbox"/>
Key Length	64-bit	<input type="checkbox"/>
Key Format	Hex (10 characters)	<input type="checkbox"/>
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	<input type="text"/>
RADIUS Server Port	<input type="text" value="1812"/>
RADIUS Server Password	<input type="text"/>

### 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 Unicast Cipher Suite:  WPA (TKIP)  WPA2 (AES)  WPA2 Mixed

RADIUS Server IP address:

RADIUS Server Port:

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

Hide SSID

Enable Wireless Clients Isolation

Band 2.4 GHz (b+g+n)

Channel Number 1 (Same as main SSID)

**Wireless Security**

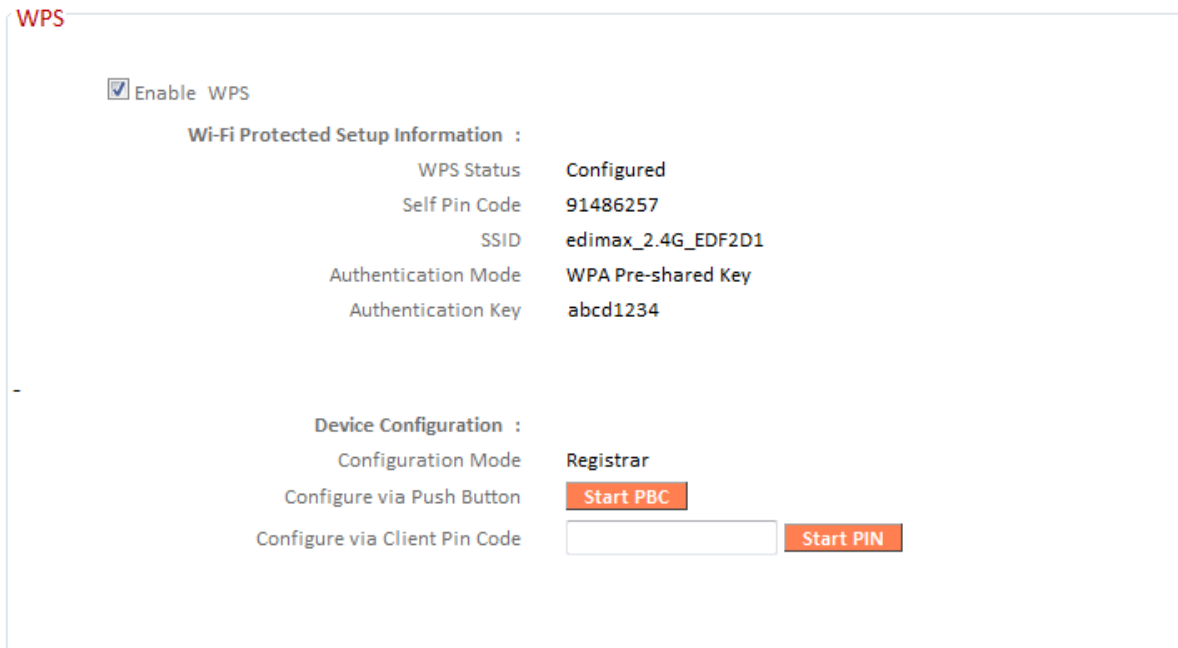
Encryption

<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.



<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 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	<input type="checkbox"/>

**Delete Selected**   **Delete All**

**Save Settings**

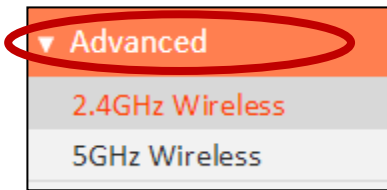
Settings have been saved. Please [click here to restart](#) the device and bring the new settings into effect.

<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>	<p>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'.</p>
<b>Comment</b>	<p>Enter a comment for reference/identification consisting of up to 16 alphanumerical characters.</p>
<b>Add</b>	<p>Click "Add" to add the MAC address to the MAC address filtering table.</p>

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



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 %"/>

<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.

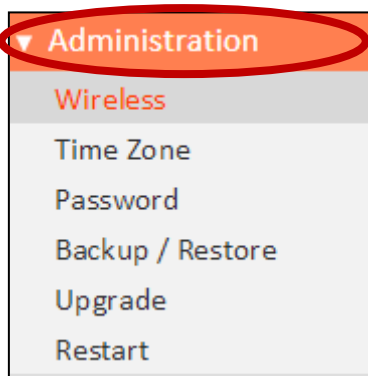


<b>Preamble Type</b>	Set the wireless radio preamble type. The default value is "Short Preamble".
<b>CTS Protect</b>	Enabling this setting will reduce the chance of radio signal collisions between 802.11b and 802.11g wireless access points. It's recommended to set this option to "Auto".
<b>Tx Power</b>	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>	The travel router 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

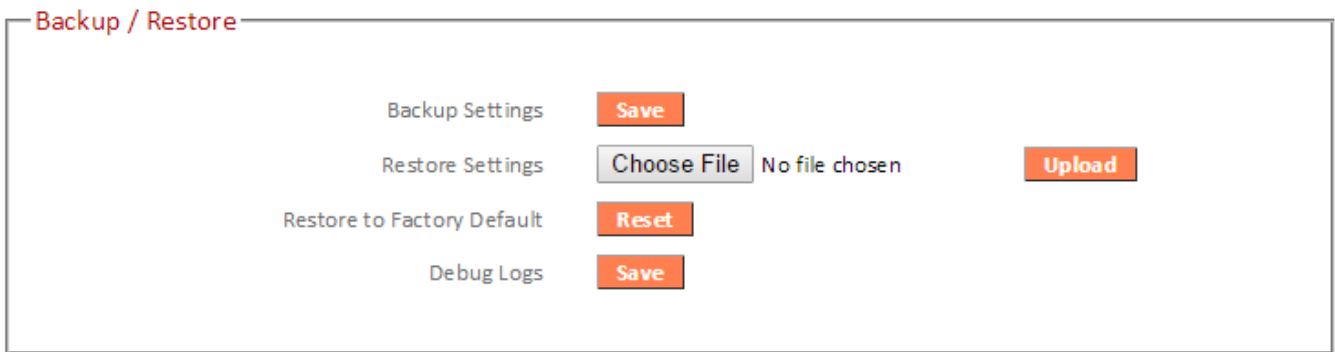
Current Password

New Password

Confirmed Password

<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



<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.

### 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](#)

No file chosen

[Apply](#)

### III-3-6-5-1. Auto Upgrade with WPS Button

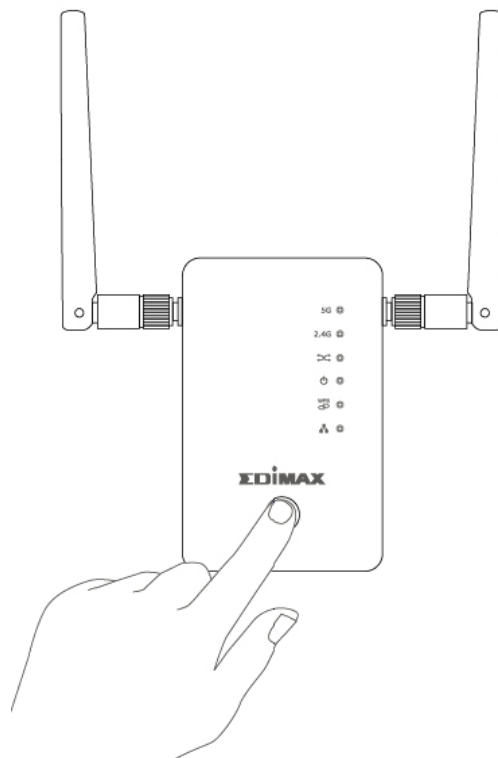
You can also upgrade the firmware on your RE11S using the WPS button. If upgrading multiple RE11S units, please upgrade slaves before masters. Slaves should be upgraded one at a time, in order of distance from the master, starting with the furthest.

*E.g. Upgrade slave farthest from master > upgrade slave next closest to master > upgrade master.*



***Do not switch off or disconnect the device during a firmware upgrade, as this could damage the device. Wait for upgrade to complete before upgrading any other device.***

- 1.** Simply press the WPS button on the RE11S you wish to upgrade twice and wait for the device to upgrade and restart. All LEDs will flash during the upgrade.



### 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				

<b>Check firmware version</b>	Click to check the latest available firmware version.
<b>Upgrade</b>	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.



## IV. Appendix

---

### IIV-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.



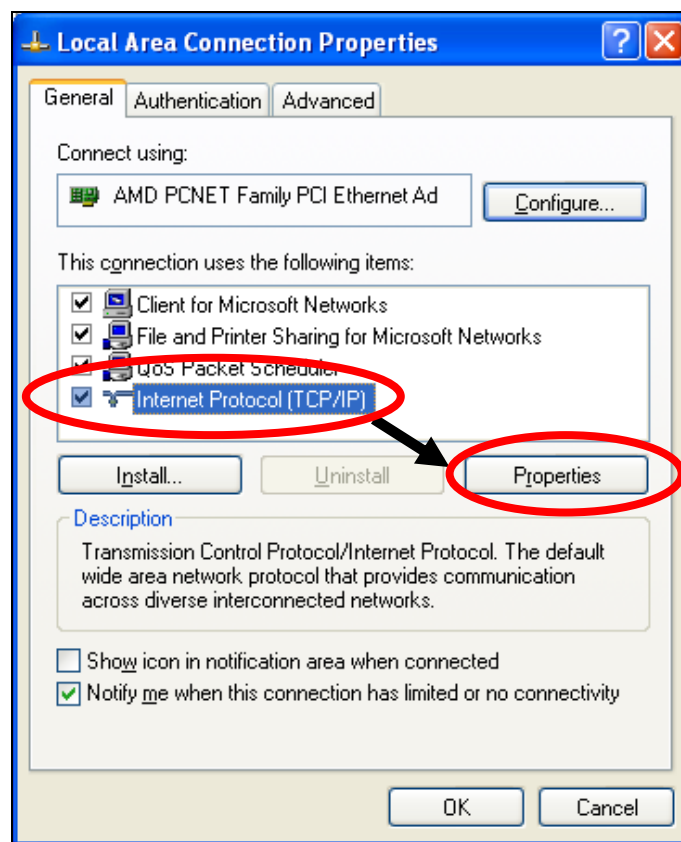
***Please remember to change your IP address back to its original value after the device is properly configured.***

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

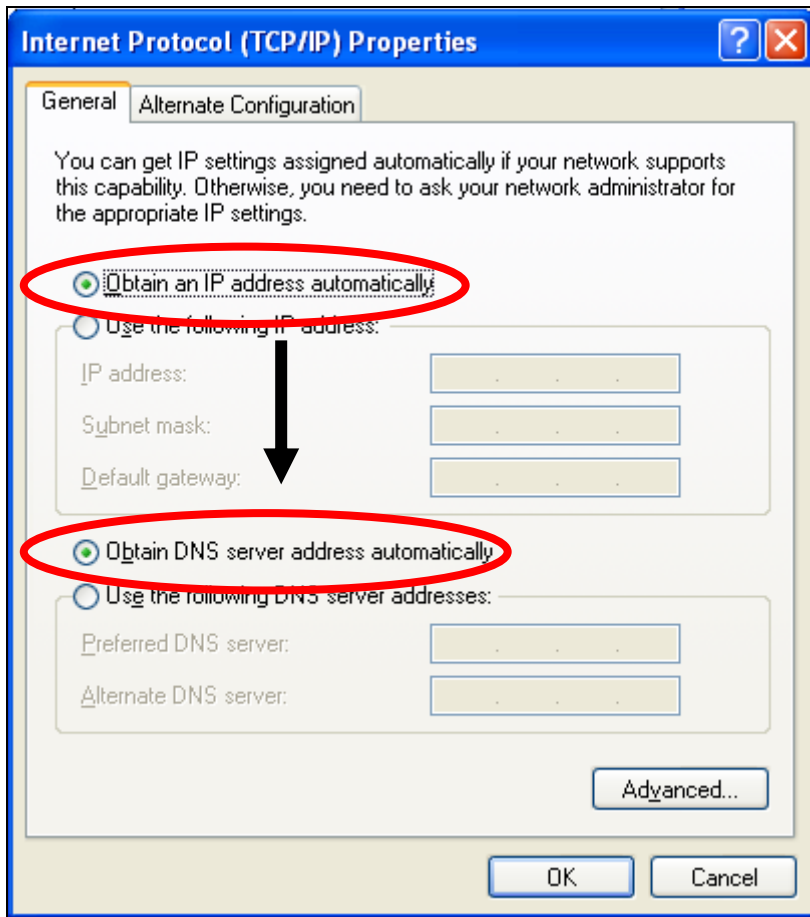
Please follow the instructions appropriate for your operating system.

### IIV-1-1-1. Windows XP

1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”. Double-click the “Network and Internet Connections” icon, click “Network Connections”, and then double-click “Local Area Connection”. The “Local Area Connection Status” window will then appear, click “Properties”.

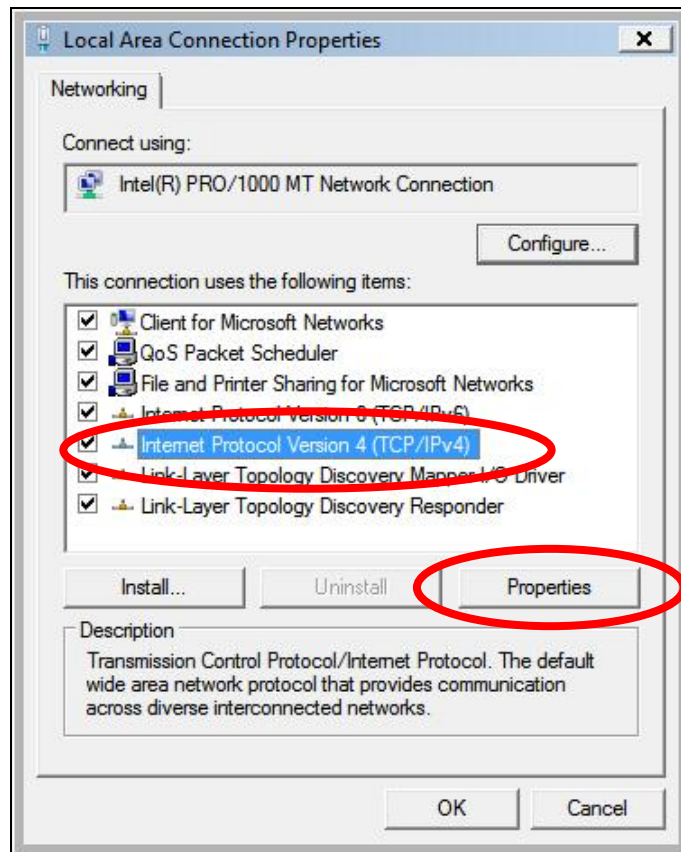


2. “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.

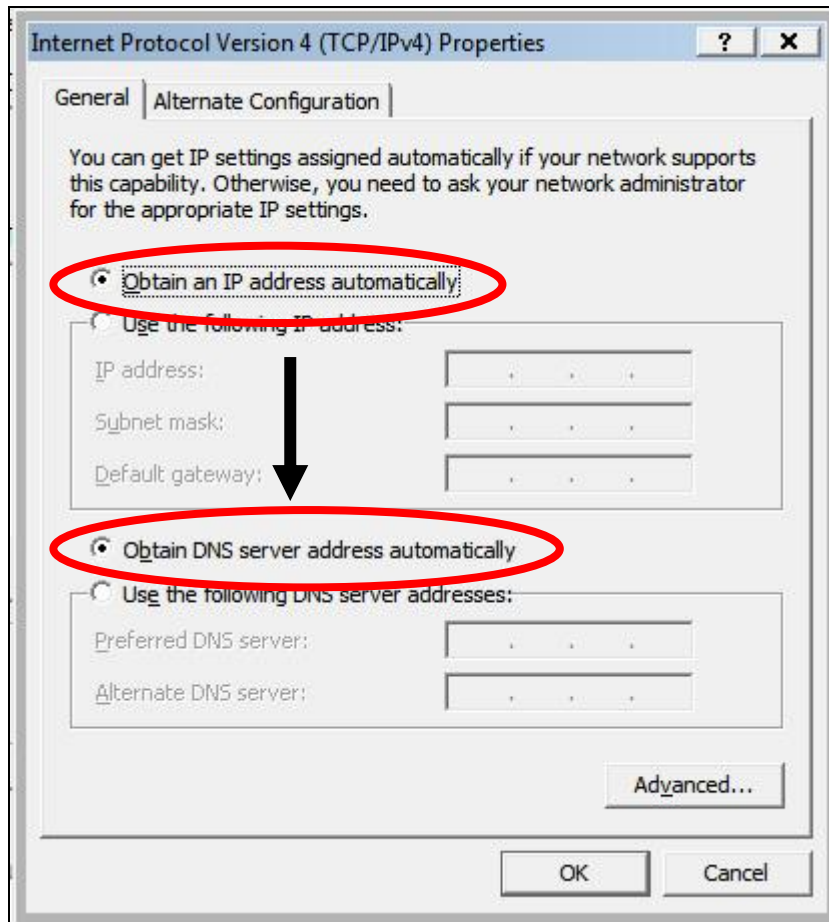


## IV-1-1-2. Windows Vista

1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”. Click “View Network Status and Tasks”, then click “Manage Network Connections”. Right-click “Local Area Network”, then select “Properties”. The “Local Area Connection Properties” window will then appear, select “Internet Protocol Version 4 (TCP / IPv4)”, and then click “Properties”.

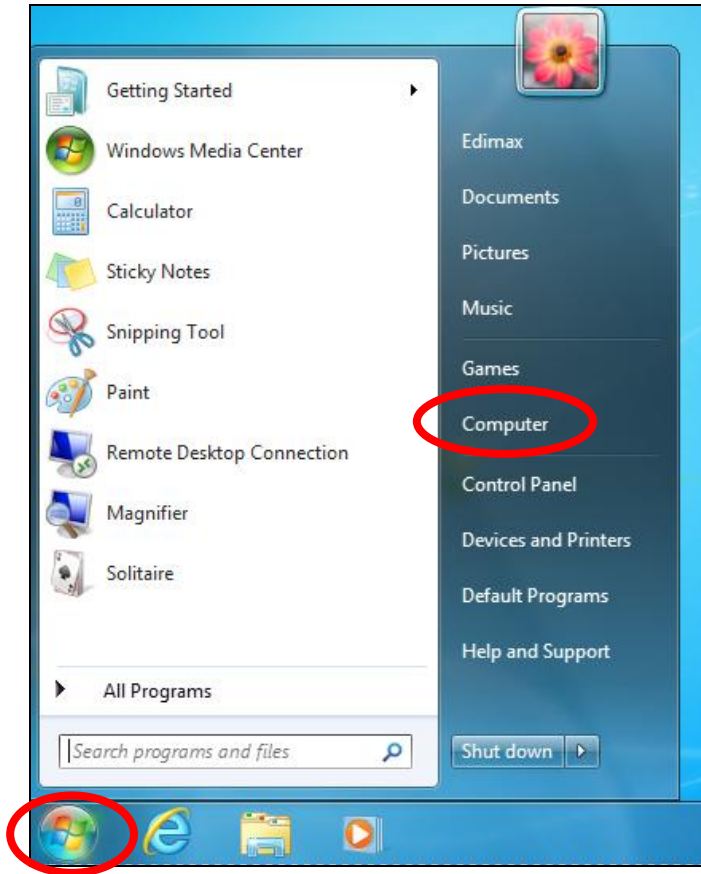


2. Select “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.

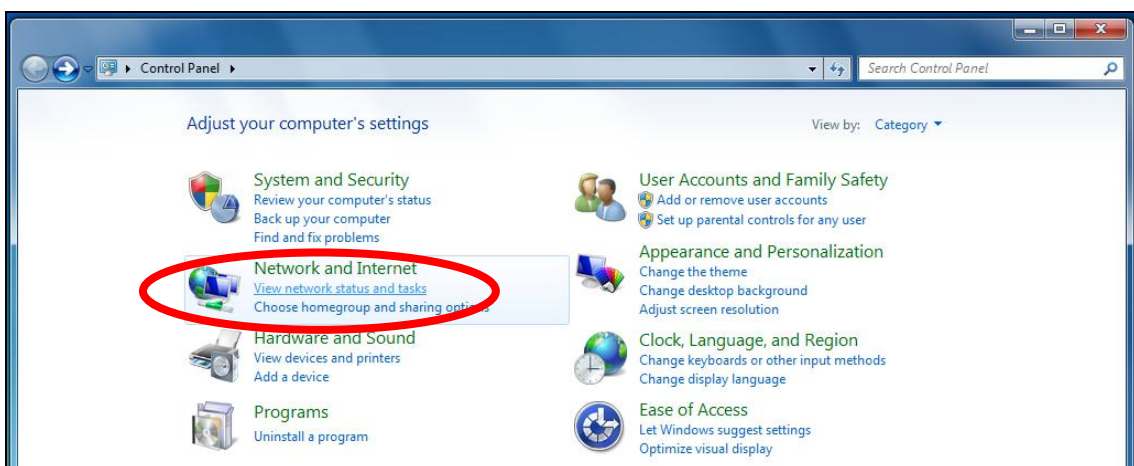


### IV-1-1-3. Windows 7

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”.


View your basic network information and set up connections



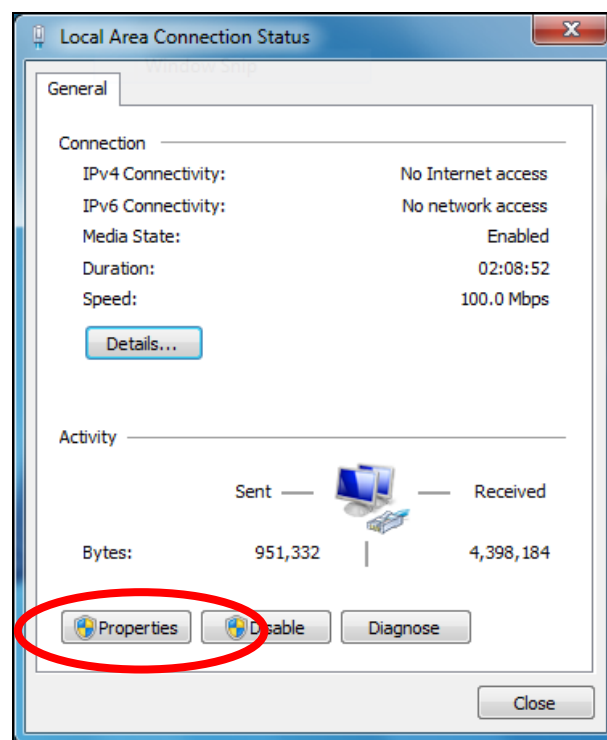
TS-WIN7 (This computer) — Home network — Internet [See full map](#)

View your active networks [Connect or disconnect](#)

 **Home network**  
Home network

Access type: No Internet access  
HomeGroup: [Ready to create](#)  
Connections:  [Local Area Connection](#)

4. Click “Properties”.



Local Area Connection Status

General

Connection

IPv4 Connectivity:	No Internet access
IPv6 Connectivity:	No network access
Media State:	Enabled
Duration:	02:08:52
Speed:	100.0 Mbps

[Details...](#)

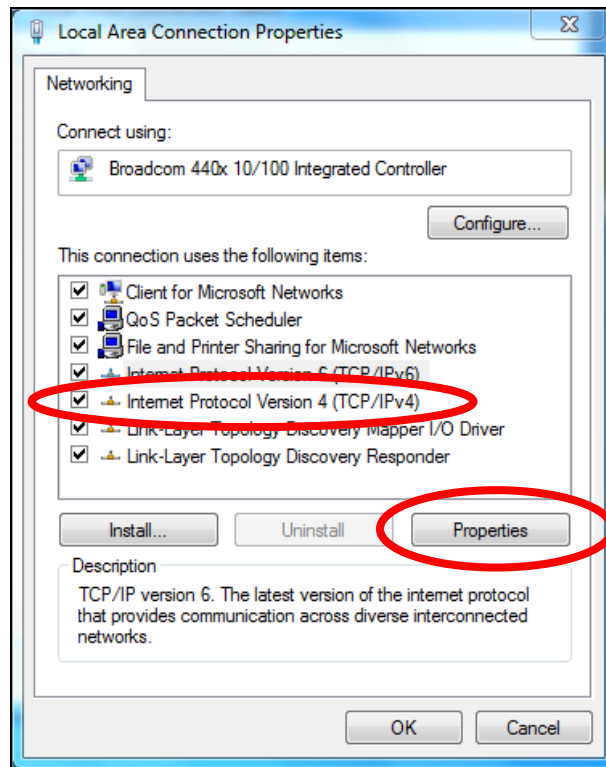
Activity

	Sent	Received
Bytes:	951,332	4,398,184

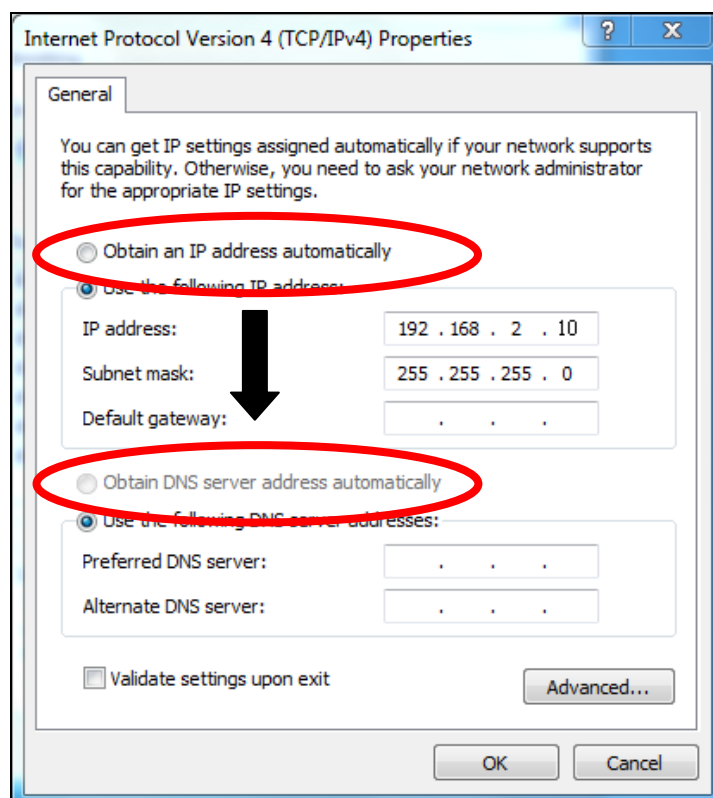
[Properties](#) [Disable](#) [Diagnose](#)

[Close](#)

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



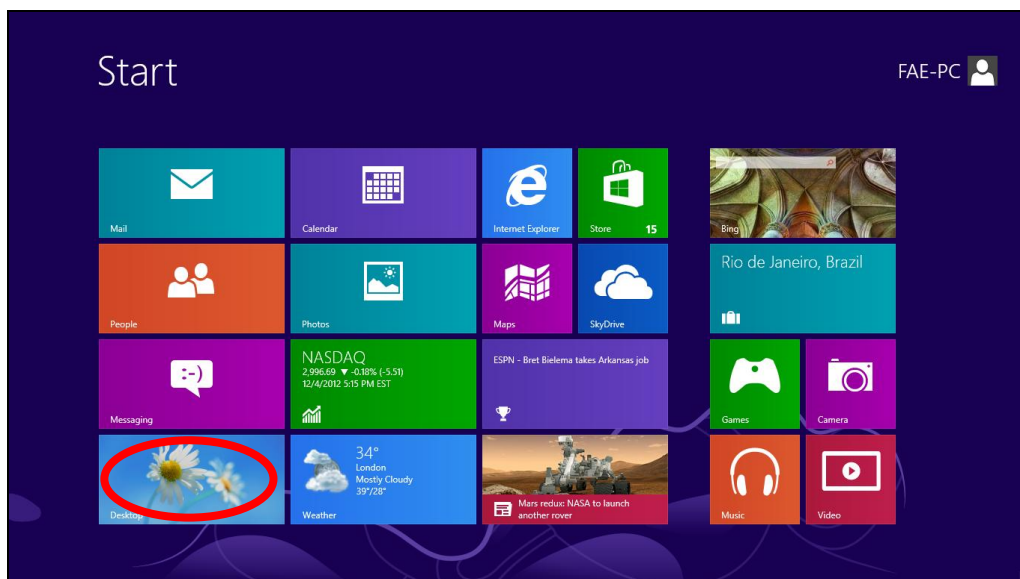
6. Select “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.



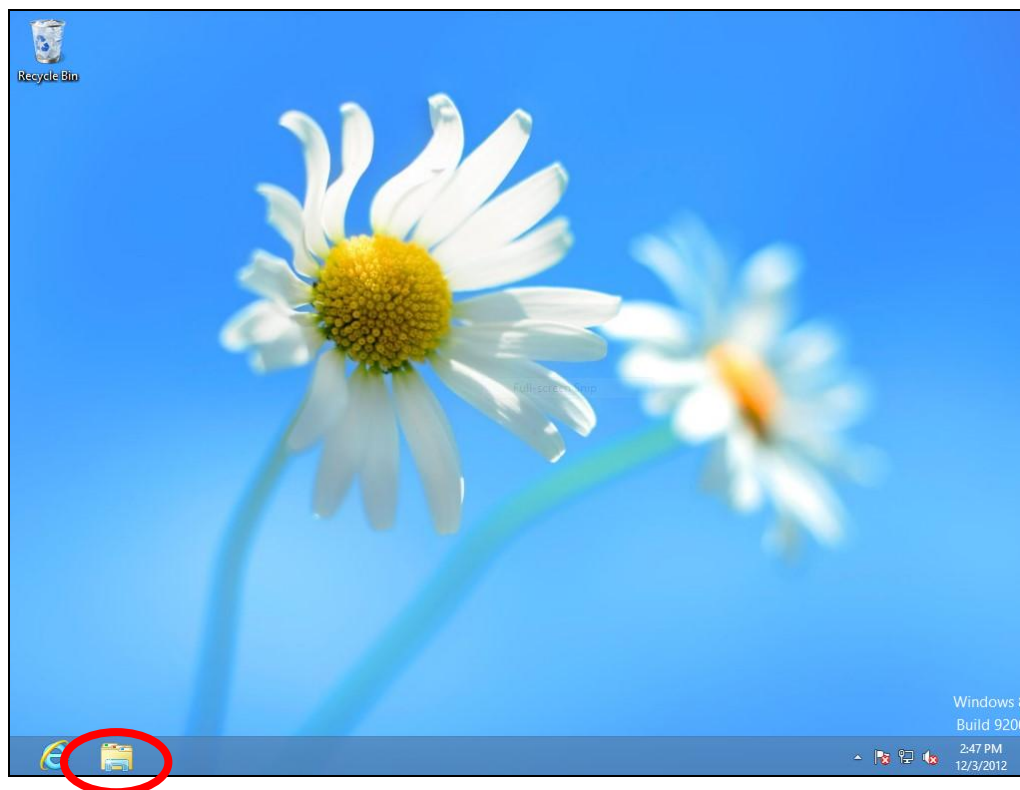


## VII-1-1-4. Windows 8

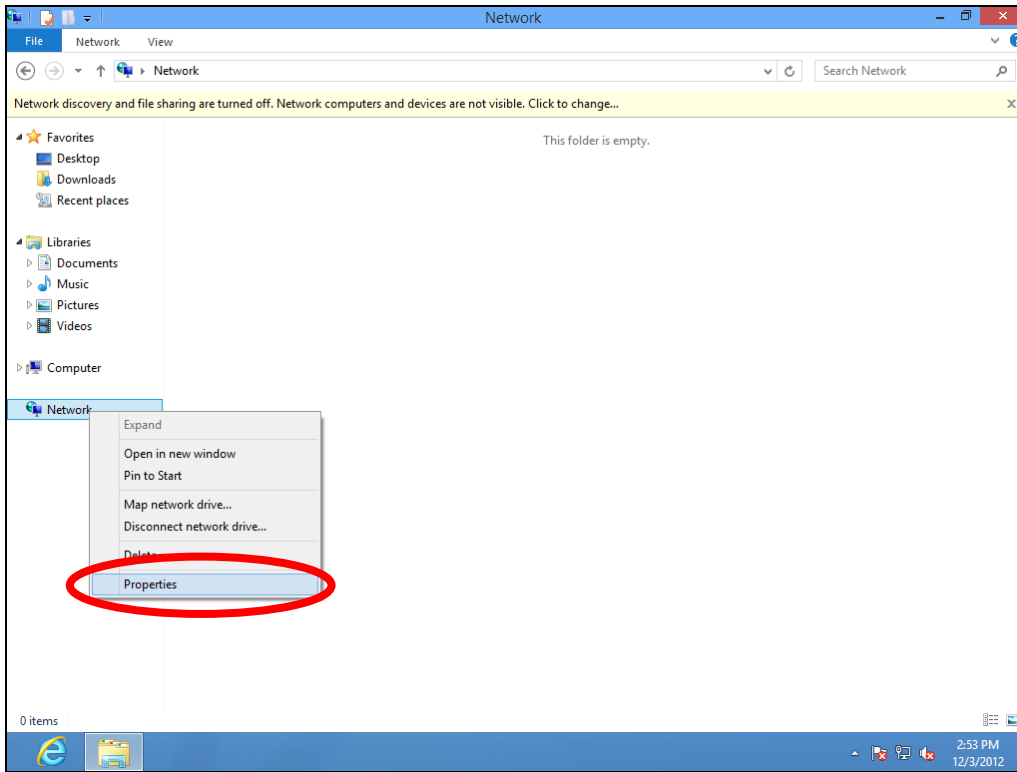
1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your cursor to the bottom left of the screen and click.



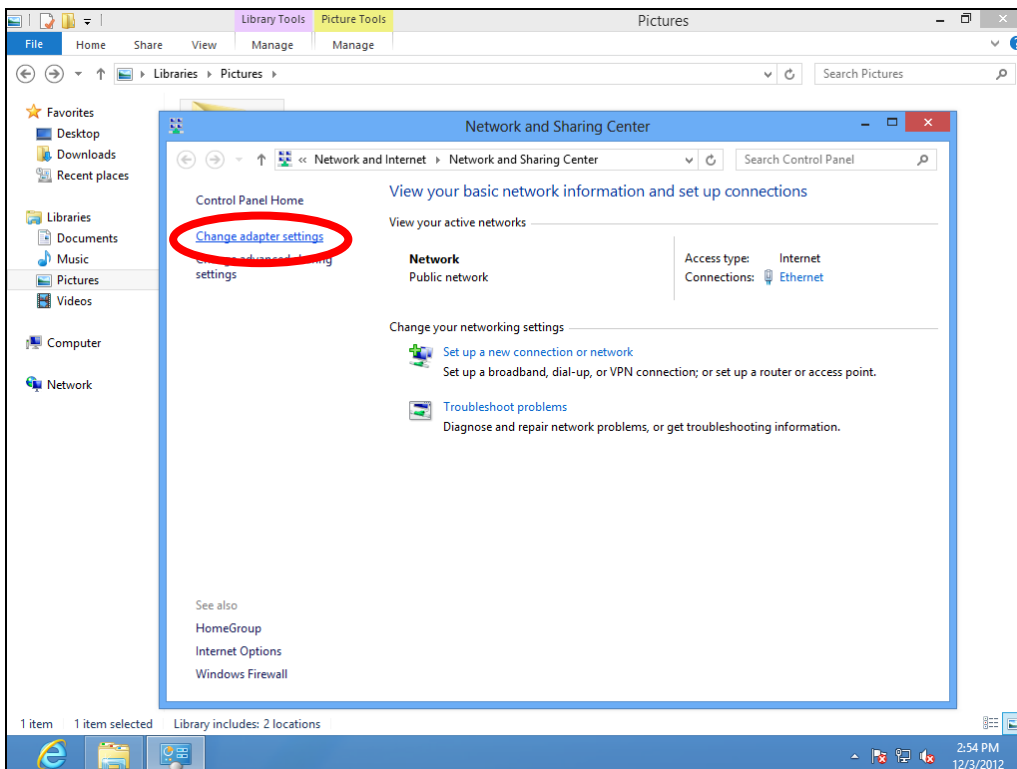
2. In desktop mode, click the File Explorer icon in the bottom left of the screen, as shown below.



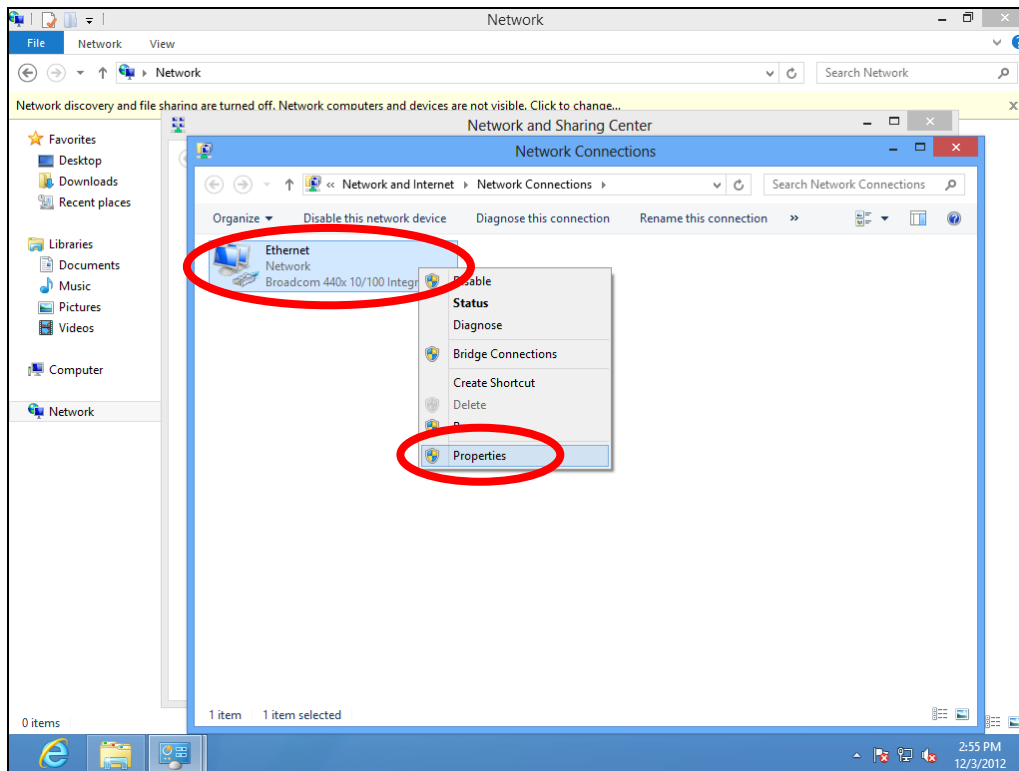
3. Right click "Network" and then select "Properties".



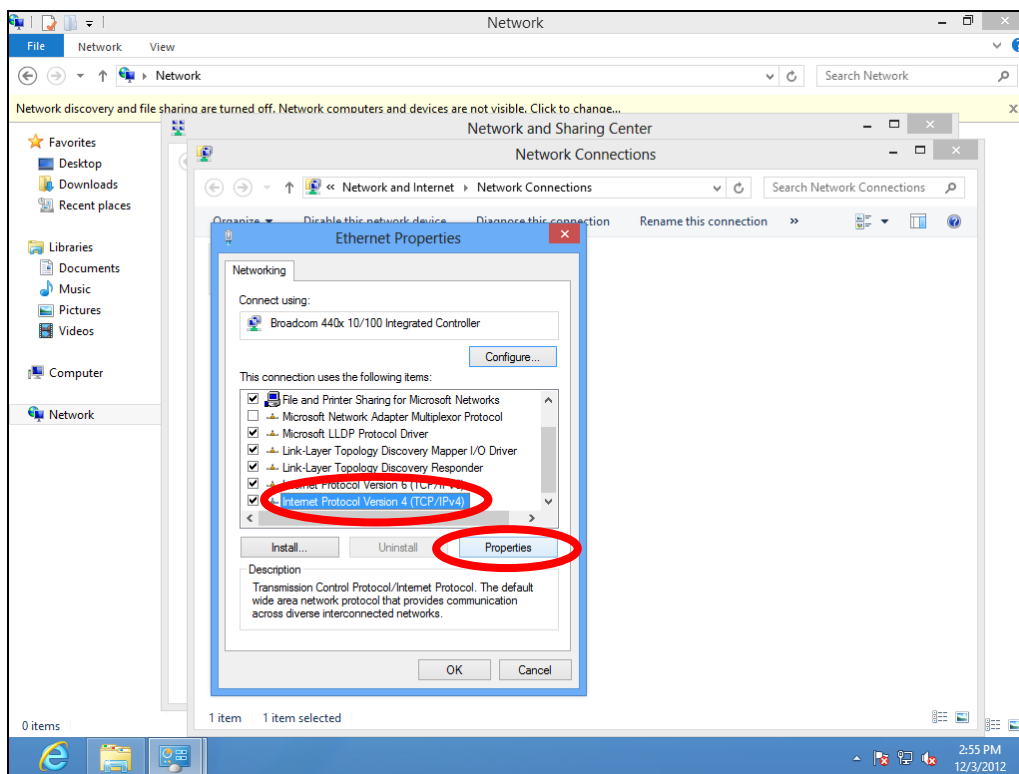
4. In the window that opens, select "Change adapter settings" from the left side.



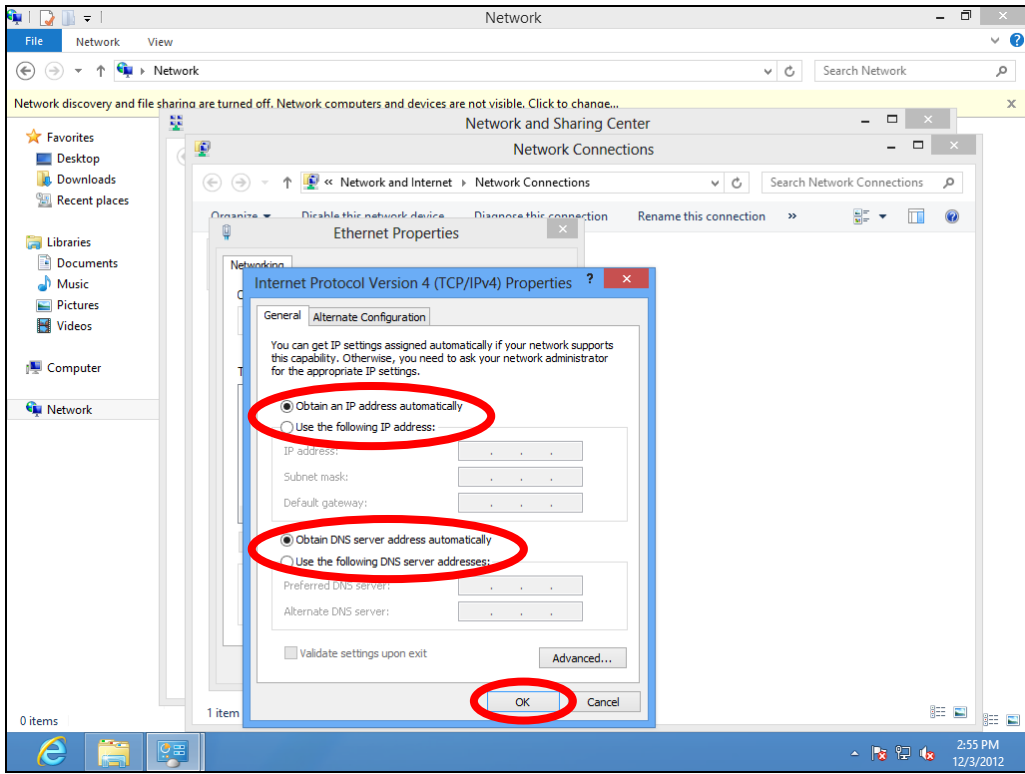
5. Choose your connection and right click, then select "Properties".



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

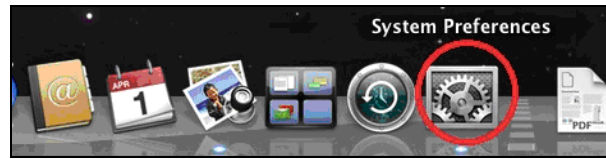


7. Select “Obtain an IP address automatically” and “Obtain DNS server address automatically” should be selected.

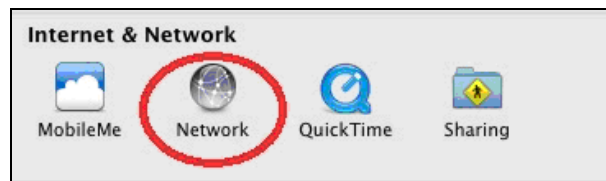


## IV-1-1-5. Mac OS

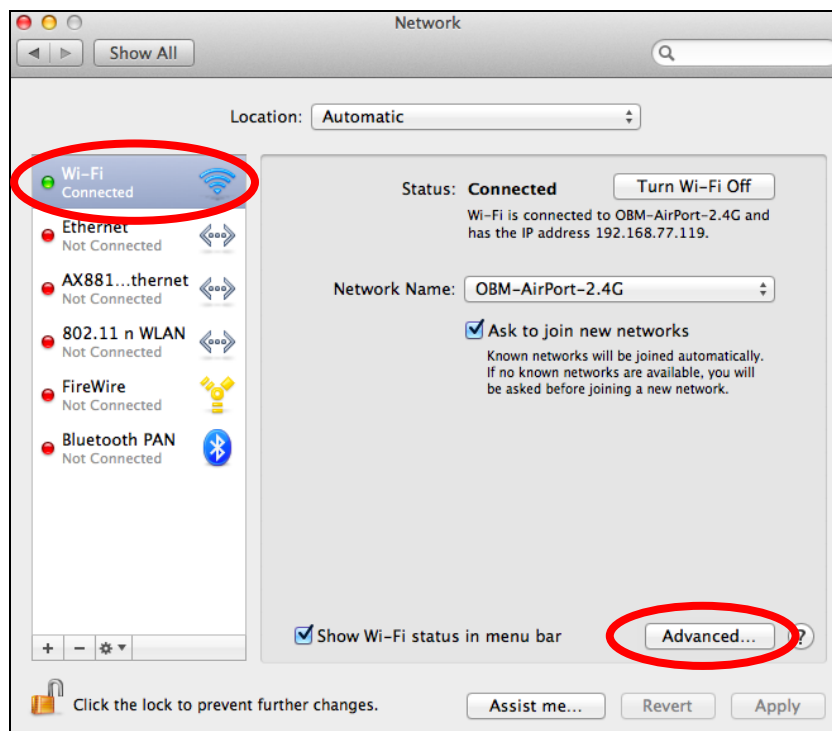
1. Have your Macintosh computer operate as usual, and click on “System Preferences”.



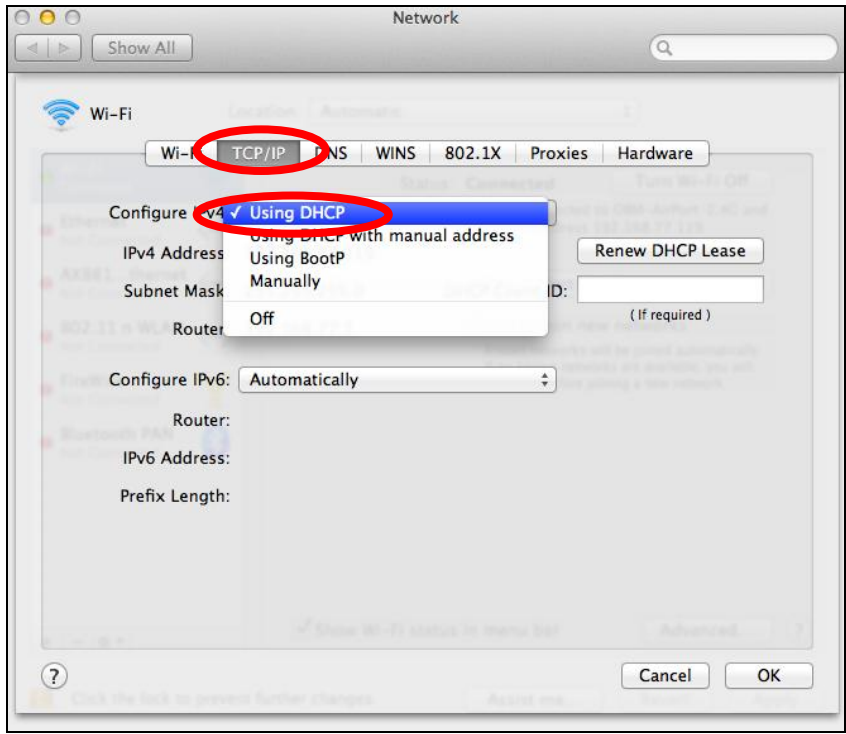
2. In System Preferences, click on “Network”.



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

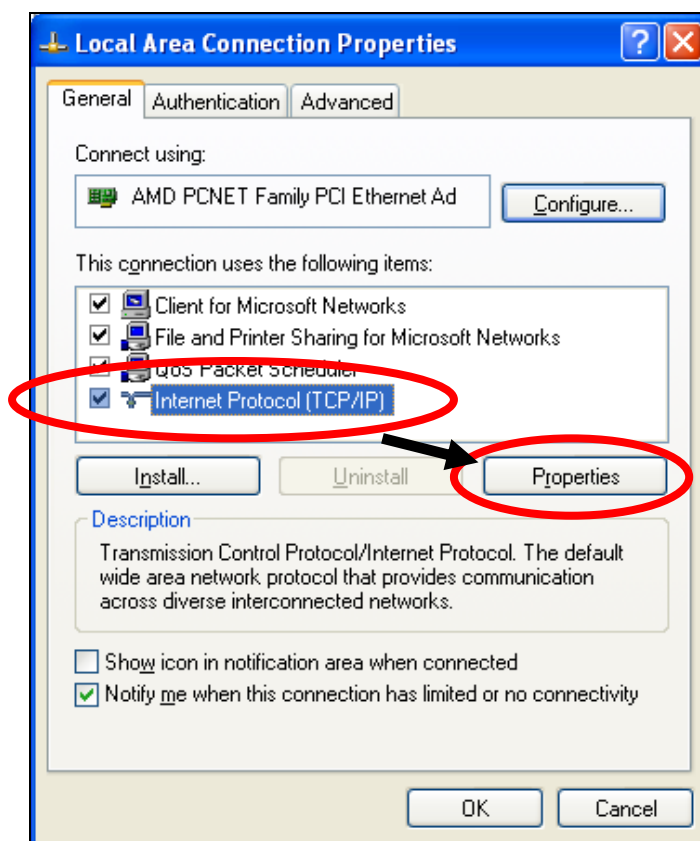
Please follow the instructions appropriate for your operating system. In the following examples we use the IP address **192.168.9.20** though you can use any IP address in the range **192.168.9.x (x = 3 – 254)** in order to access iQ Setup/browser based configuration interface.



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

### VII-1-2-1. Windows XP

1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”. Double-click the “Network and Internet Connections” icon, click “Network Connections”, and then double-click “Local Area Connection”. The “Local Area Connection Status” window will then appear, click “Properties”.



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



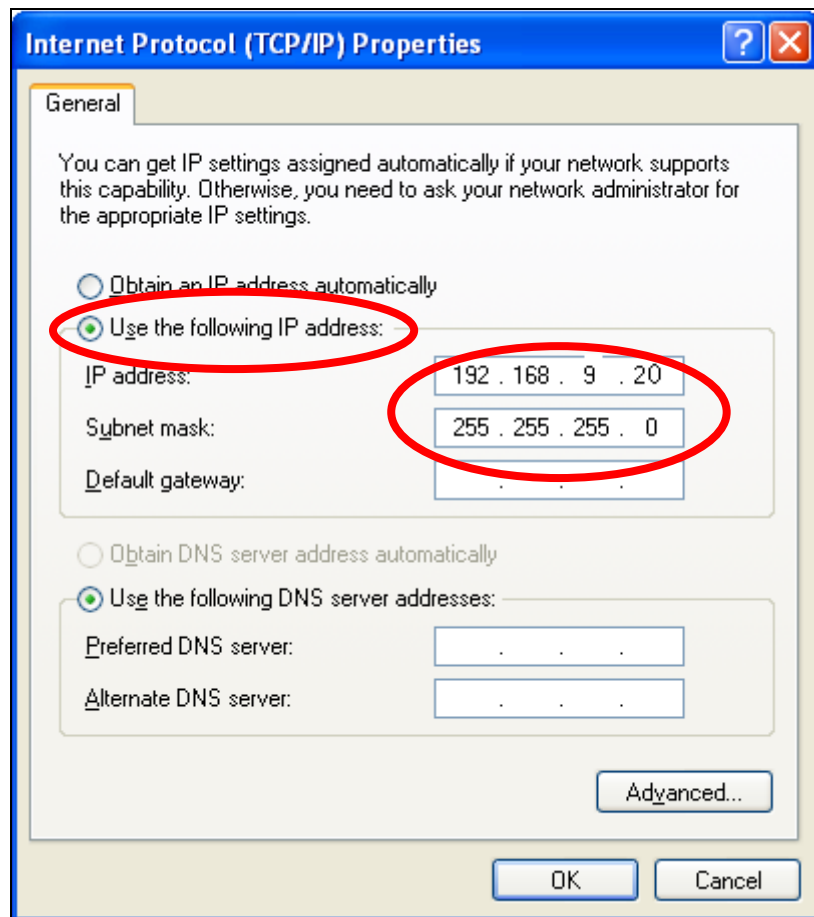
***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP***

***address, subnet mask, default gateway and DNS server addresses.***

**IP address:** 192.168.9.20

**Subnet Mask:** 255.255.255.0

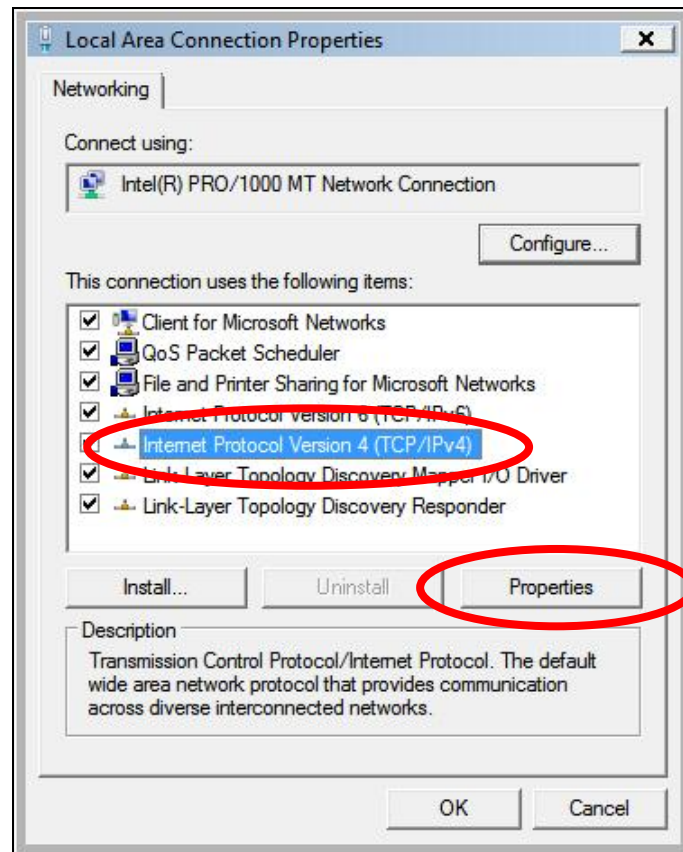
Click 'OK' when finished.





## IV-1-2-2. Windows Vista

1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”. Click “View Network Status and Tasks”, then click “Manage Network Connections”. Right-click “Local Area Network”, then select “Properties”. The “Local Area Connection Properties” window will then appear, select “Internet Protocol Version 4 (TCP / IPv4)”, and then click “Properties”.



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

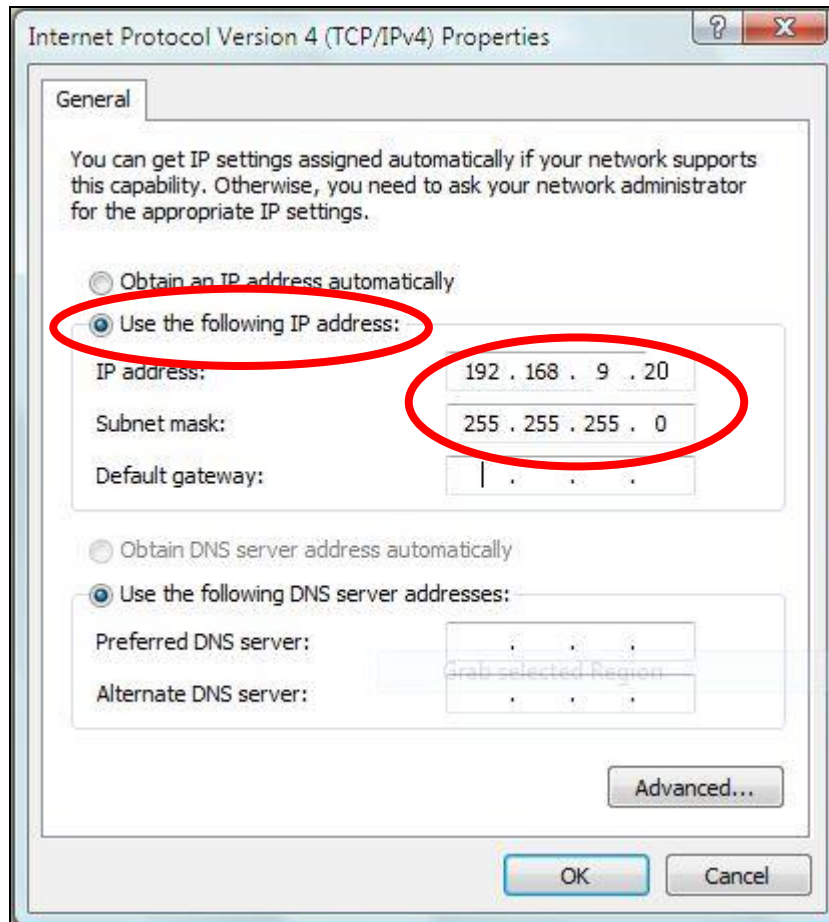


***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.***

**IP address:** 192.168.9.20

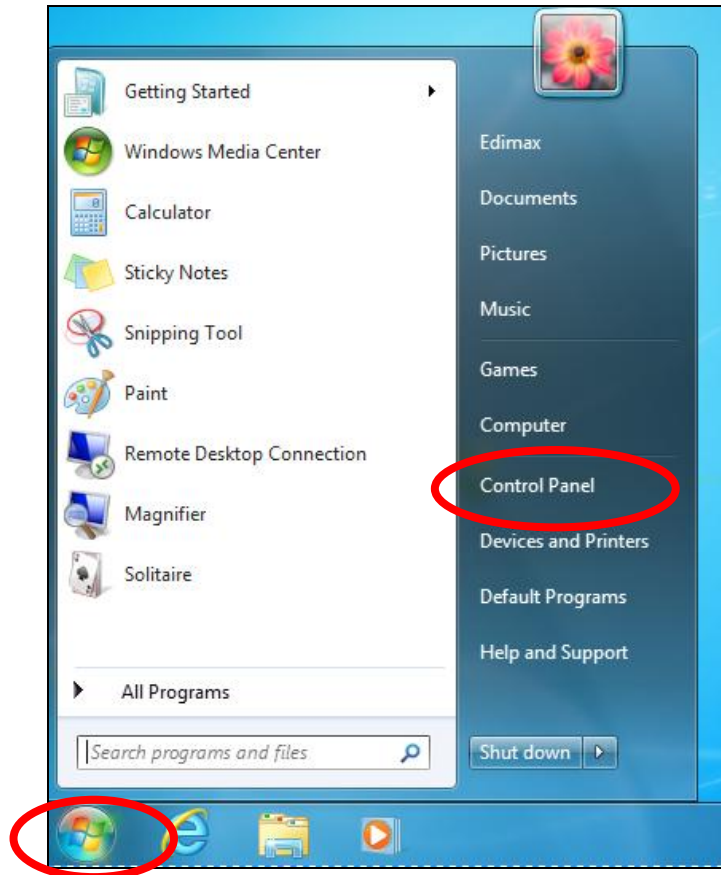
**Subnet Mask:** 255.255.255.0

Click ‘OK’ when finished.

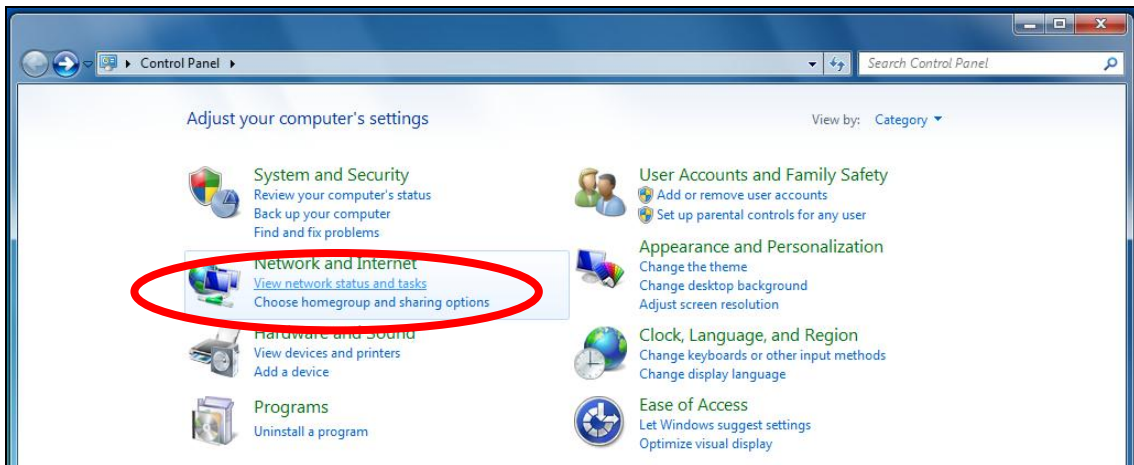


### VII-1-2-3. Windows 7

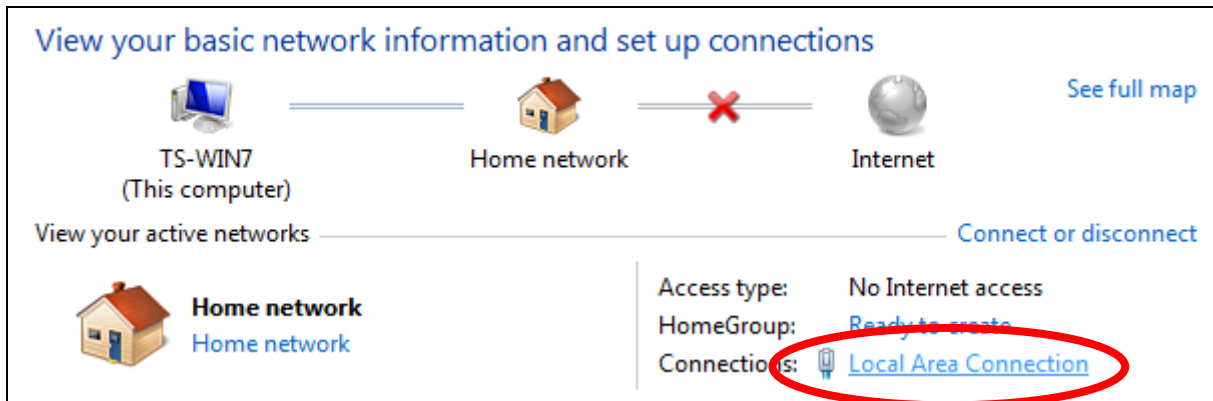
1. Click the “Start” button (it should be located in the lower-left corner of your computer), then click “Control Panel”.



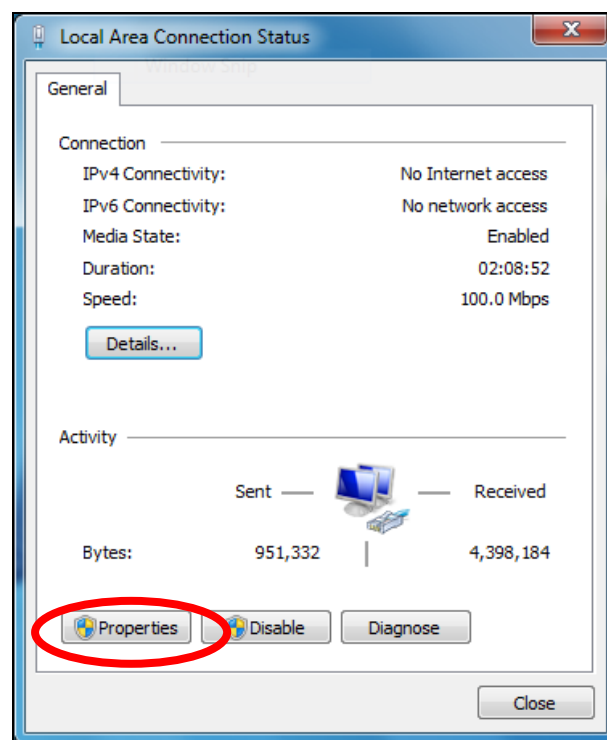
2. Under “Network and Internet” click “View network status and tasks”.



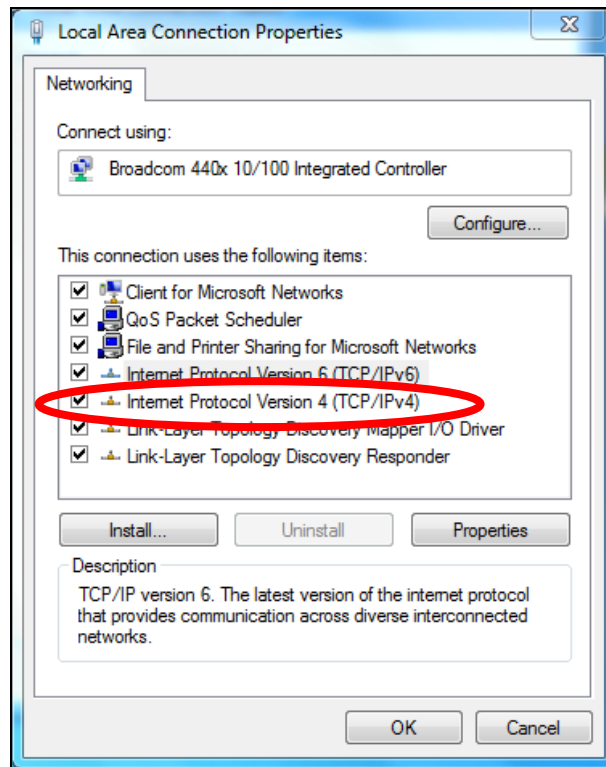
3. Click “Local Area Connection”.



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:

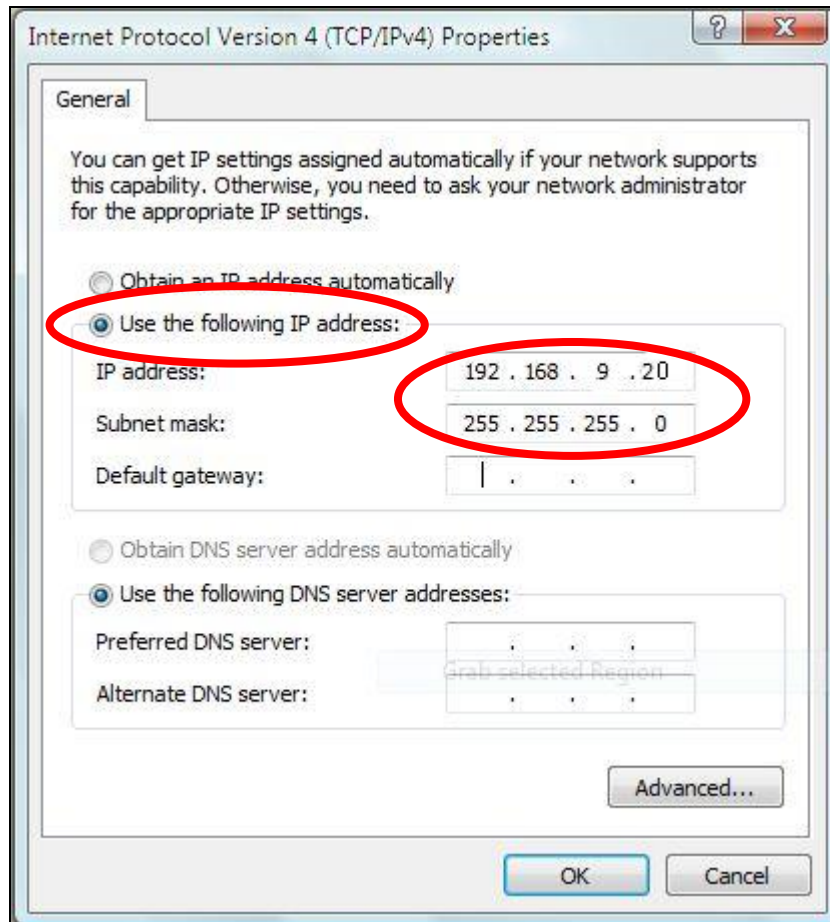


***Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.***

**IP address:** 192.168.9.20

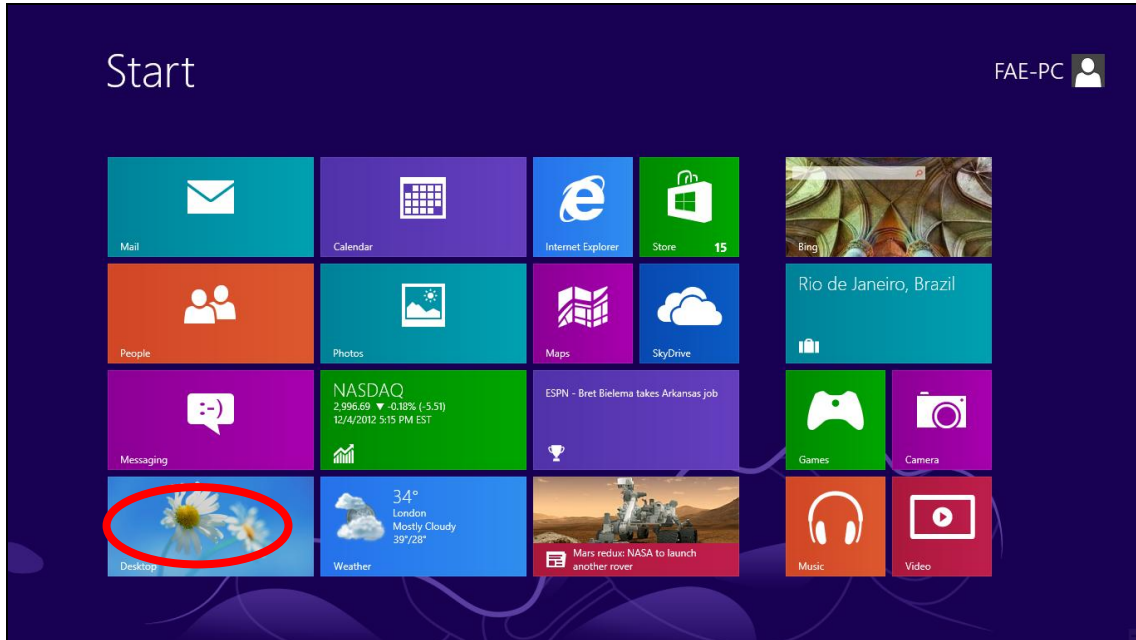
**Subnet Mask:** 255.255.255.0

Click ‘OK’ when finished.

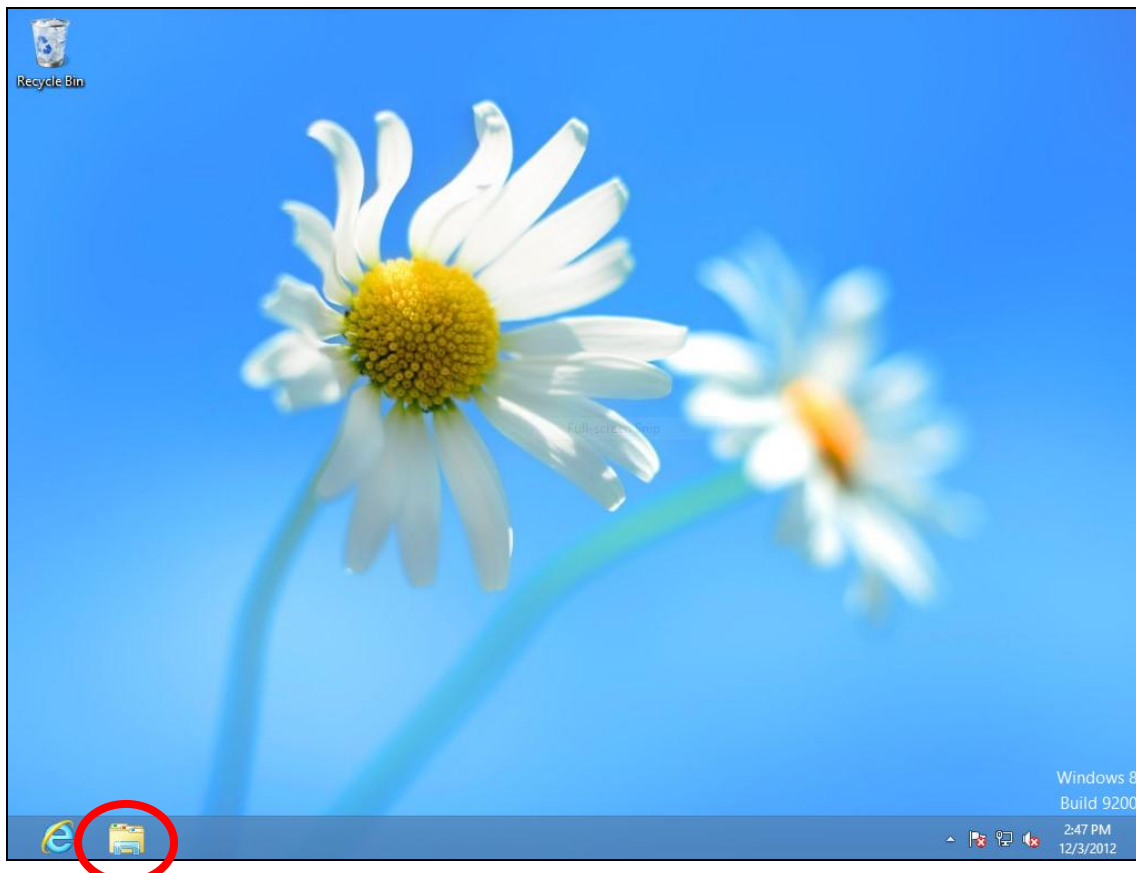


## IV-1-2-4. Windows 8

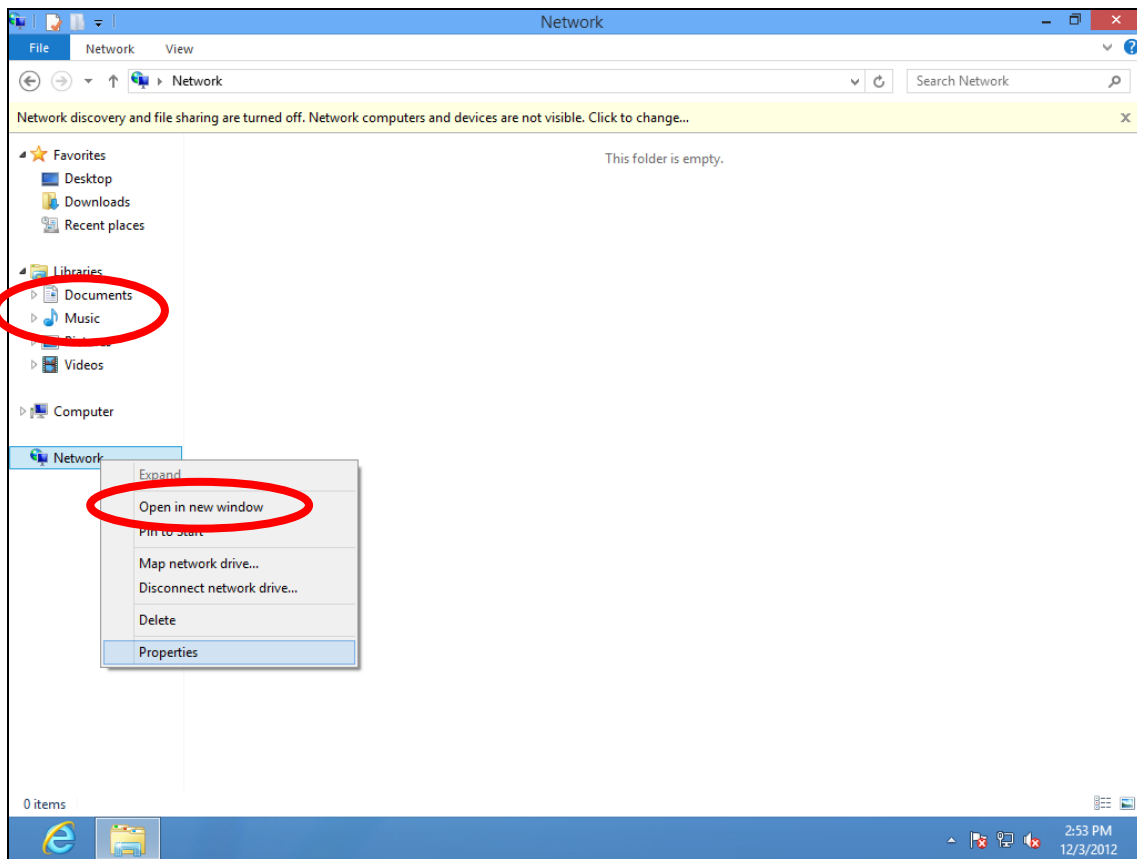
1. From the Windows 8 Start screen, you need to switch to desktop mode. Move your cursor to the bottom left of the screen and click.



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

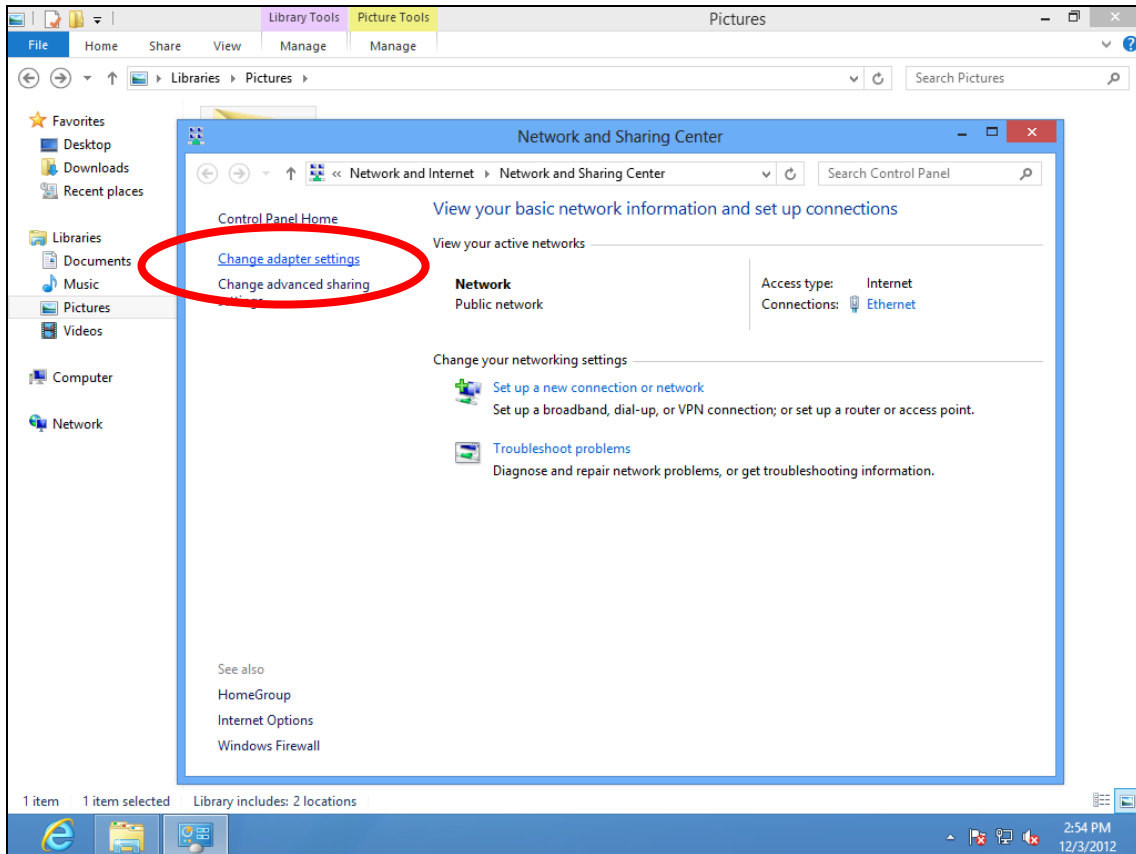


**3.** Right click “Network” and then select “Properties”.

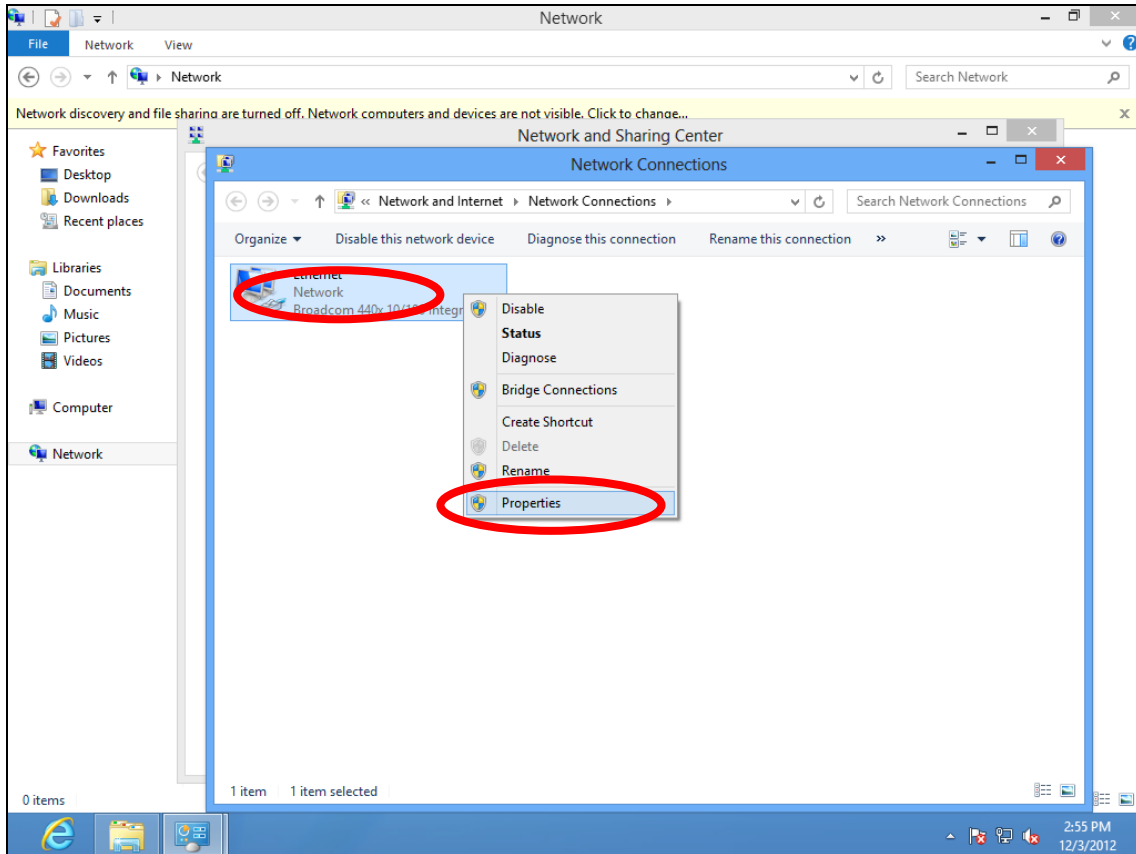


**4.** In the window that opens, select “Change adapter settings” from the left side.

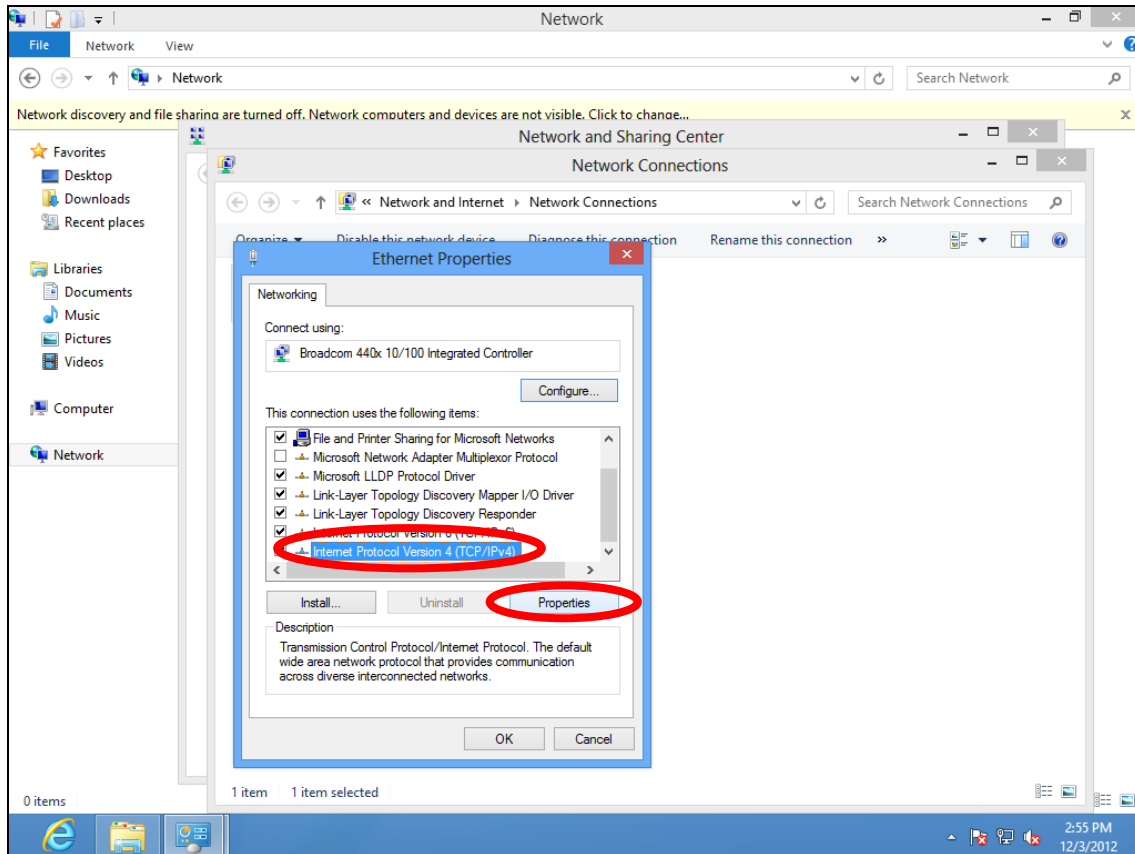




5. Choose your connection and right click, then select “Properties”.



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



7. 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.***

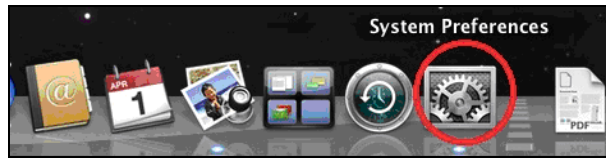
**IP address:** 192.168.9.20

**Subnet Mask:** 255.255.255.0

Click 'OK' when finished.

## IV-1-2-5. Mac

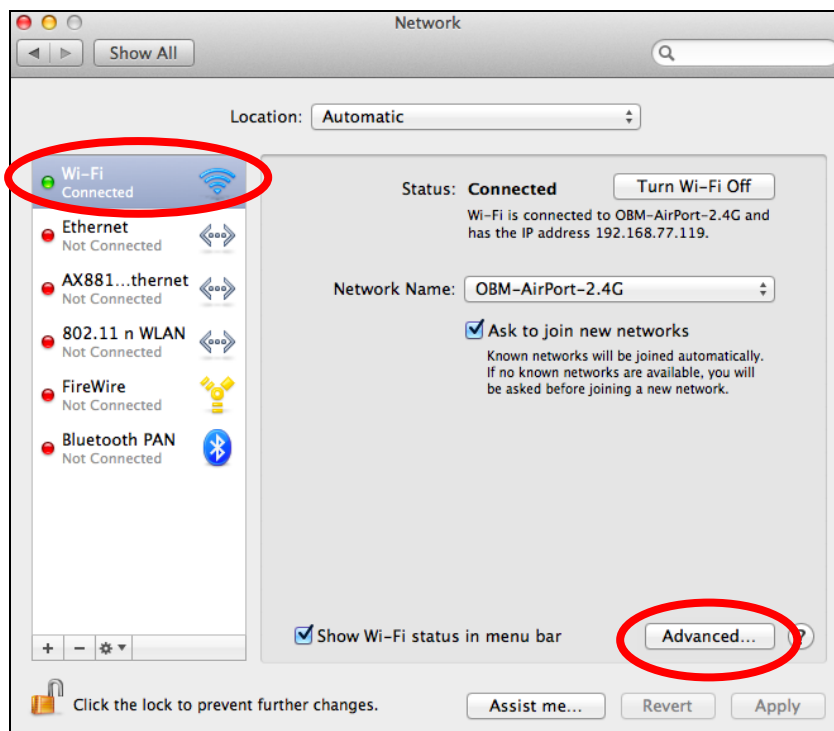
1. Have your Macintosh computer operate as usual, and click on “System Preferences”



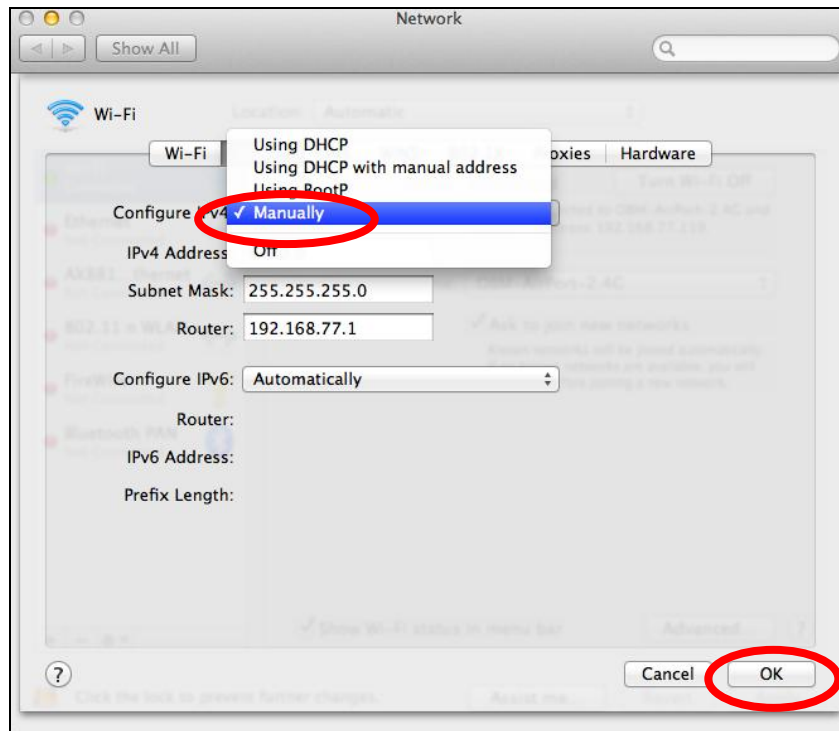
2. In System Preferences, click on “Network”.



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

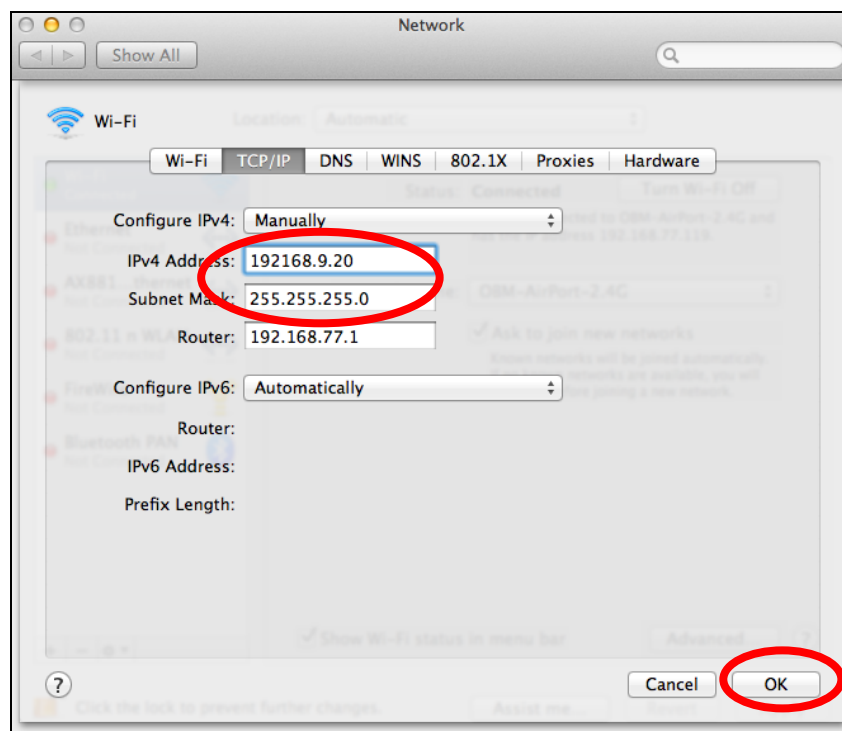


4. Select “TCP/IP” from the top menu and select “Manually” from the drop down menu labeled “Configure IPv4”, then click “OK”.

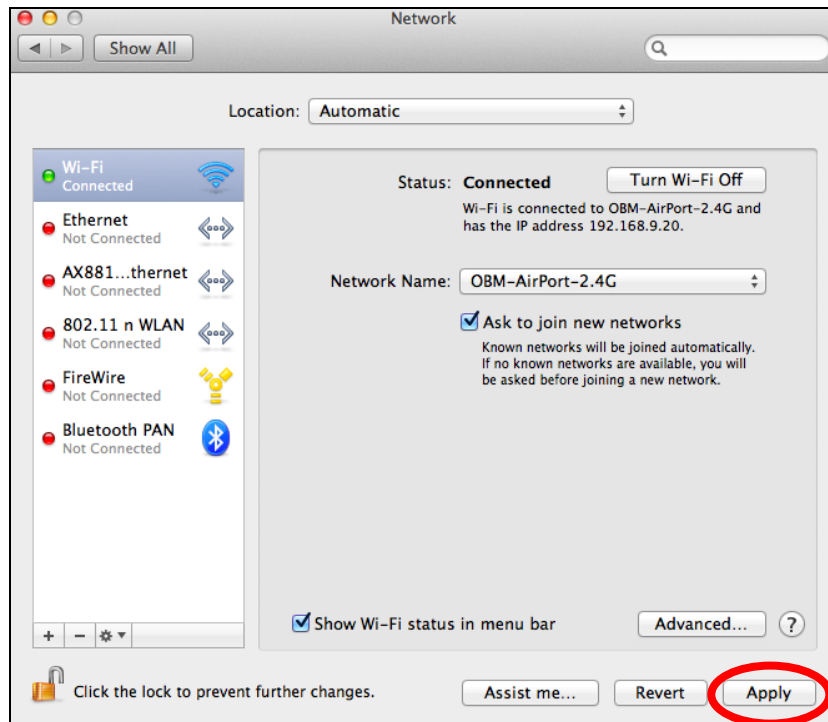


**Your existing static IP address will be displayed in the “IP address” field before you replace it. Please make a note of this IP address, subnet mask, default gateway and DNS server addresses.**

- 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.



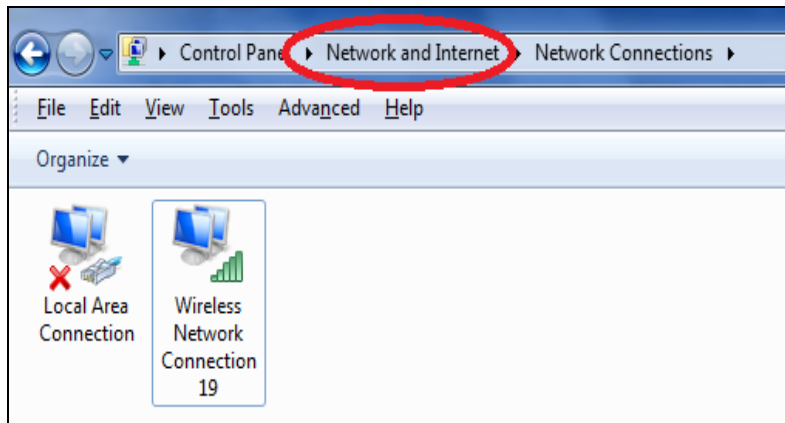
### IV-1-3. How to Find Your Network Security Key

To find your network security key, please follow the instructions appropriate for your operating system.

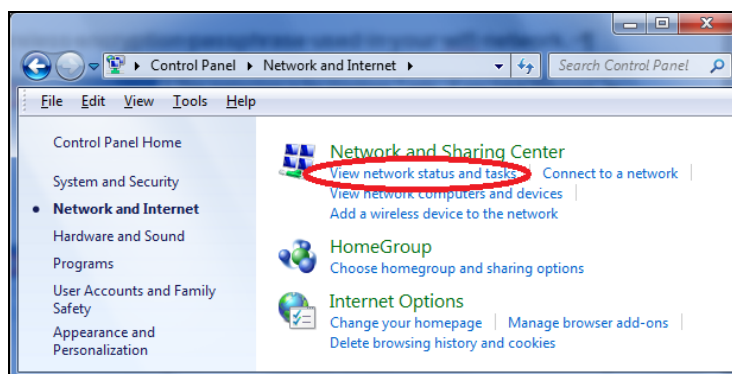
 ***If you are using Windows XP or earlier, please contact your ISP or router manufacturer to find your network security key.***

#### IV-1-3-1. Windows 7 & Vista

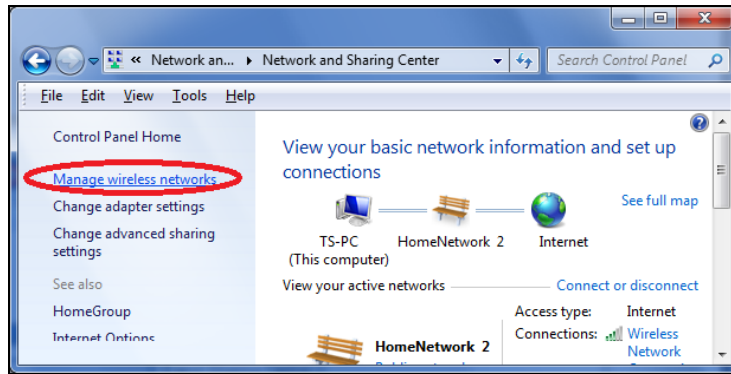
1. Open “Control Panel” and click on “Network and Internet” in the top menu.



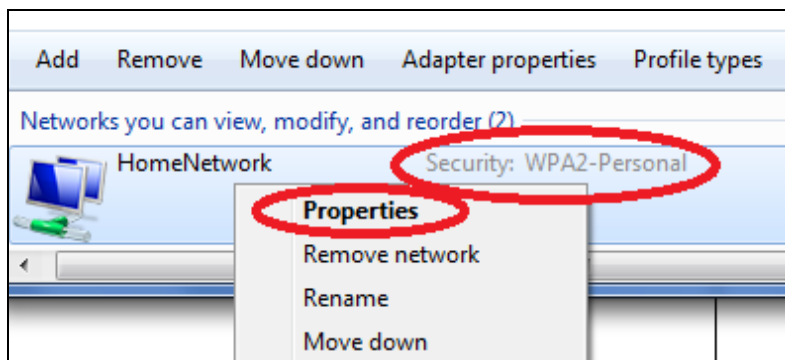
2. Click on “View network status and tasks” which is under the heading “Network and Sharing Center”.



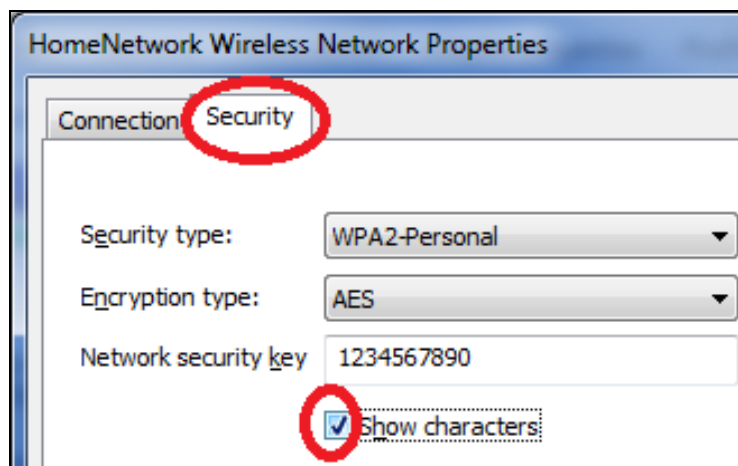
3. Click on “Manage wireless networks” in the left menu.



4. You should see the profile of your Wi-Fi network in the list. Right click on your Wi-Fi network and then click on “Properties”.

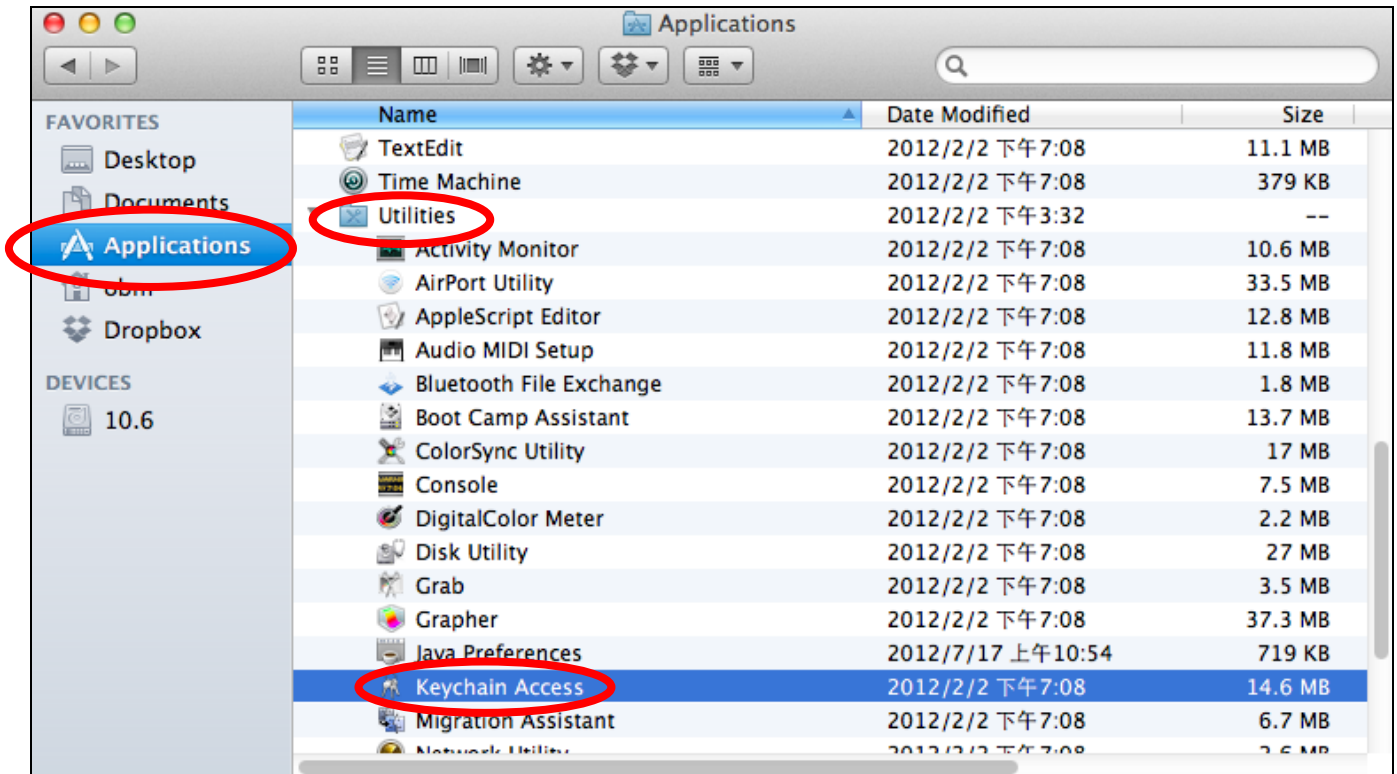


5. Click on the “Security” tab, and then check the box labeled “Show characters”. This will show your network security key. Click the “Cancel” button to close the window.



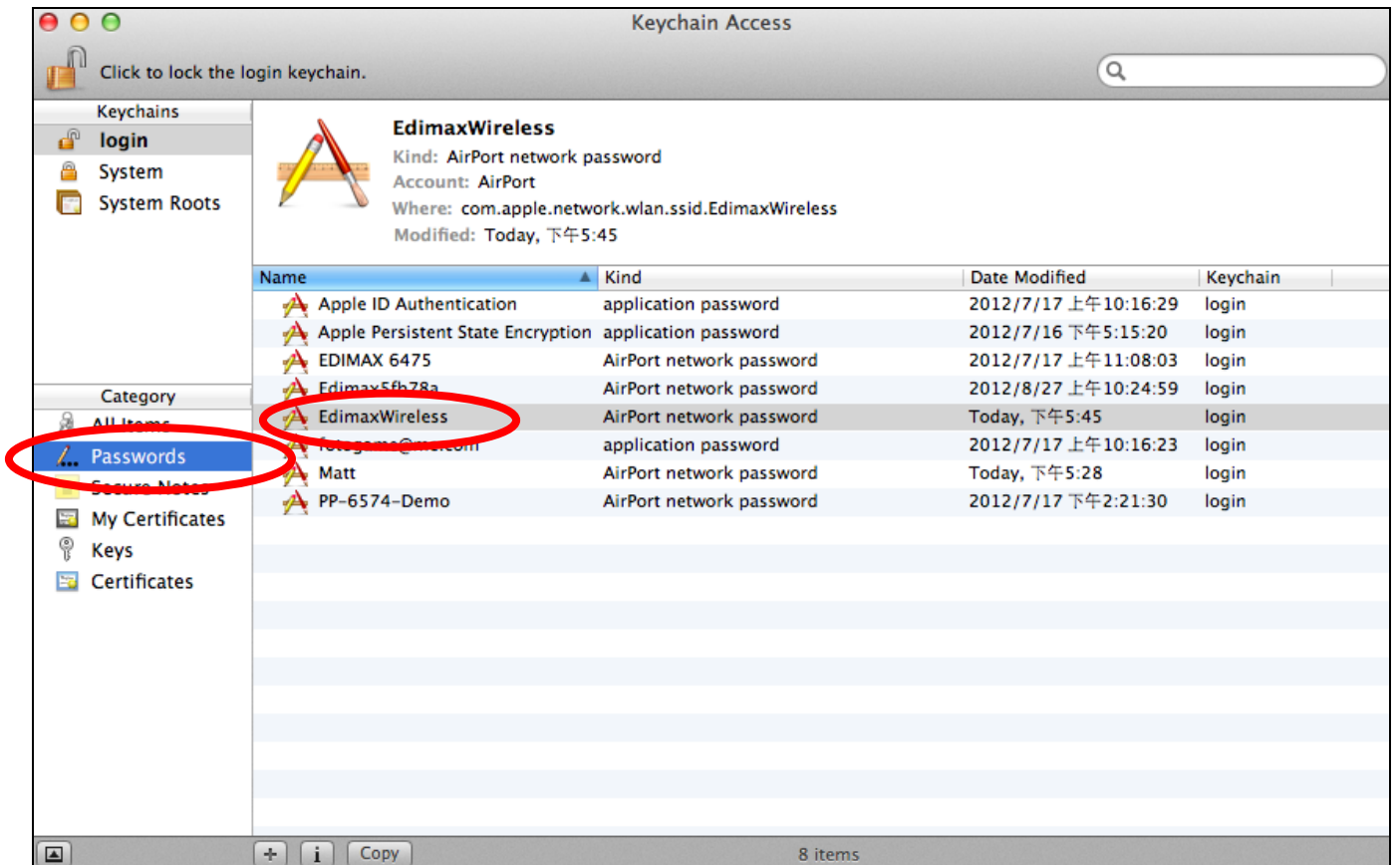
## IV-1-3-2. Mac

1. Open a new Finder window, and select “Applications” from the menu on the left side. Open the folder labeled “Utilities” and then open the application “Keychain Access”.

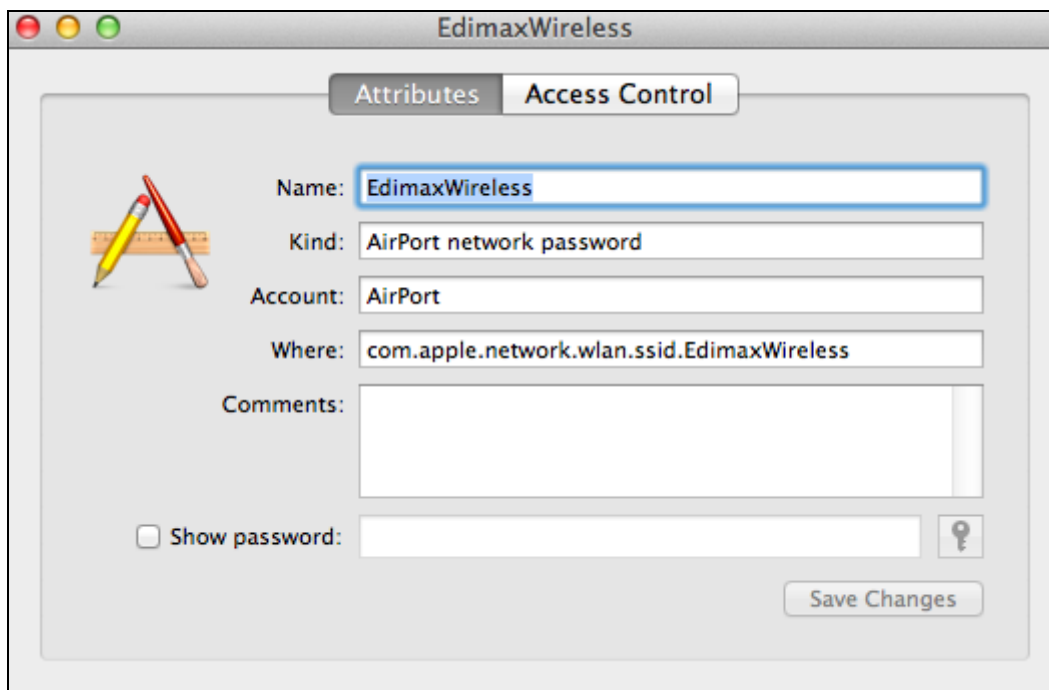


2. Select “Passwords” from the sub-menu labeled “Category” on the left side, as shown below. Then search the list in the main panel for the SSID of your network. In this example, the SSID is “EdimaxWireless” – though your SSID will be unique to your network.

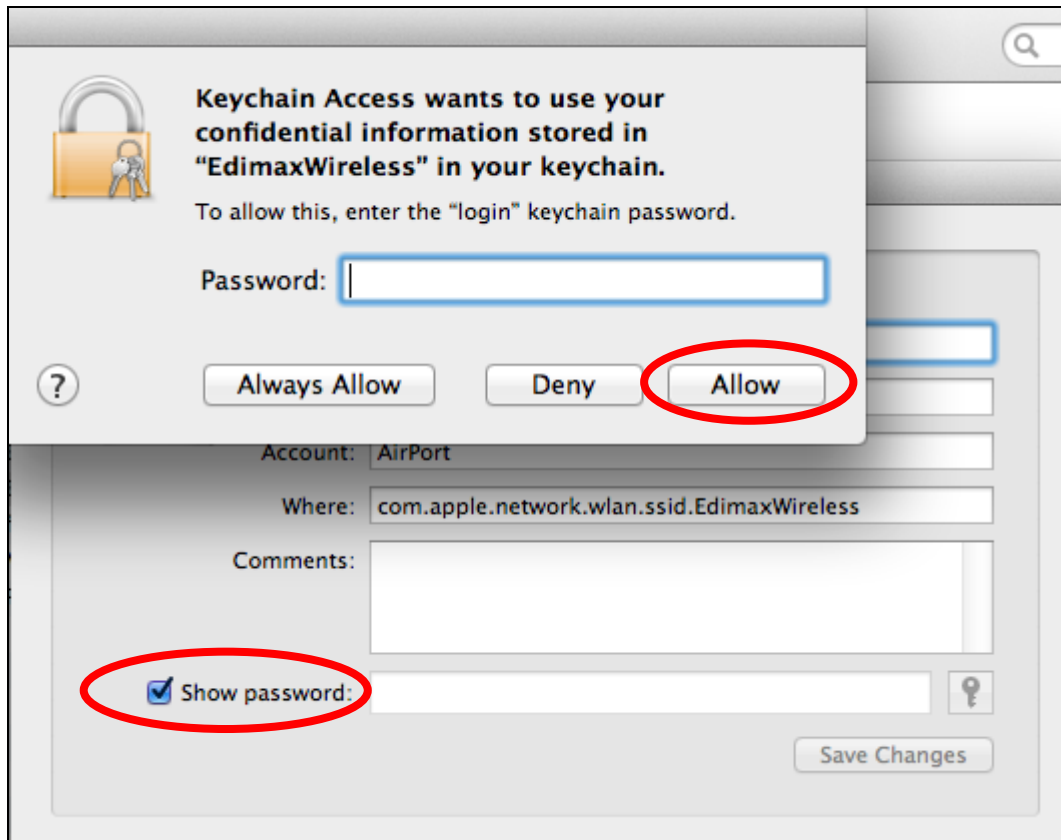




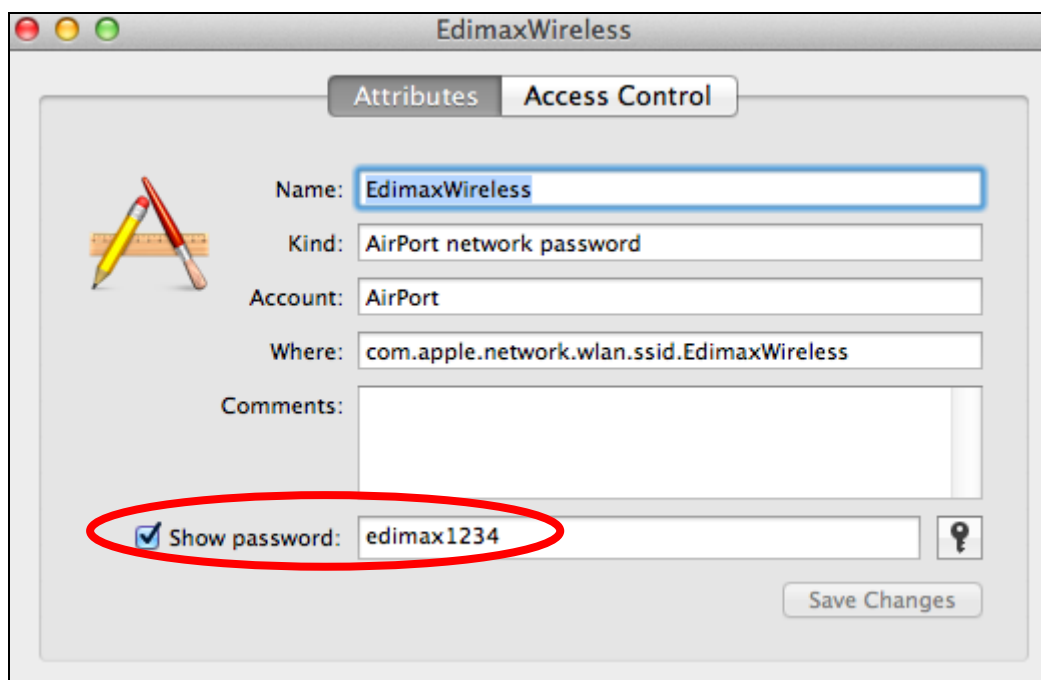
3. Double click the SSID of your network and you will see the following window.



4. Check the box labeled "Show password" and you will be asked to enter your administrative password, which you use to log into your Mac. Enter your password and click "Allow".



Your network security password will now be displayed in the field next to the box labeled "Show password". In the example below, the network security password is "edimax1234". Please make a note of your network security password.

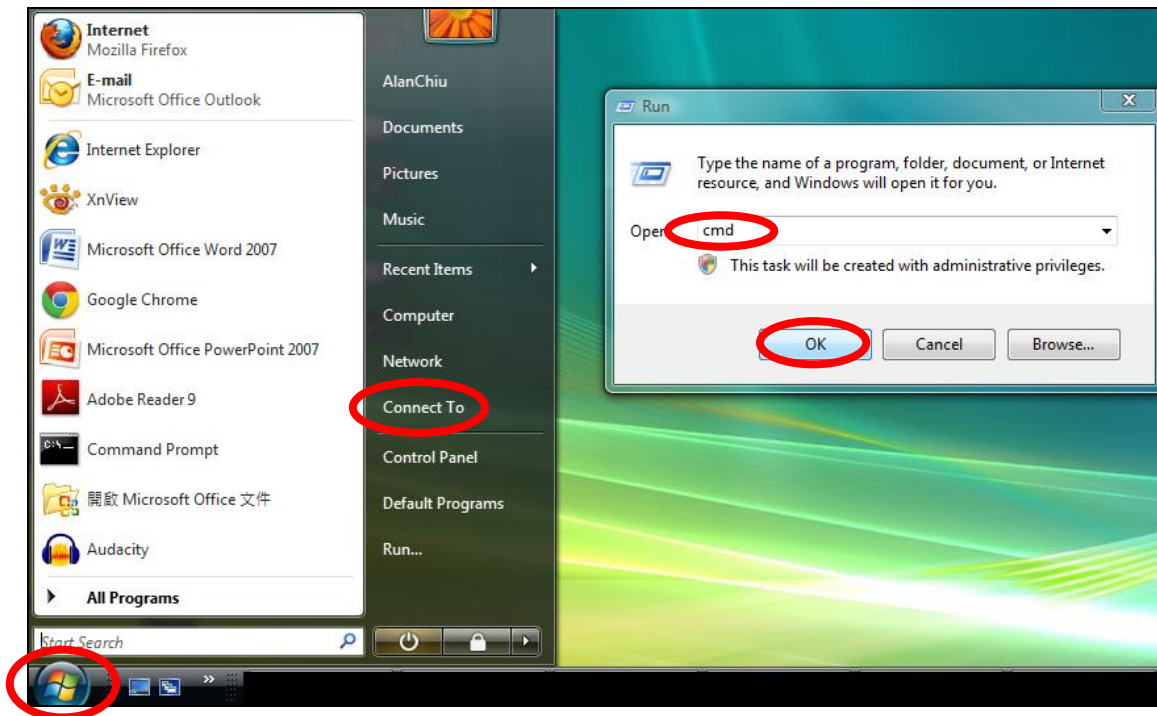


## IV-1-4. How to Find Your Router's IP Address

To find your router's IP address, please follow the instructions appropriate for your operating system.

### IV-1-4-1. Windows XP, Vista & 7

1. Go to "Start", select "Run" and type "cmd", then press Enter or click "OK".



2. A new window will open, type "ipconfig" and press Enter.

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.0.6002]
Copyright (c) 2006 Microsoft Corporation. All rights reserved.

C:\Users\AlanChiu>ipconfig
```

3. Your router's IP address will be displayed next to "Default Gateway".

```
Administrator: C:\Windows\system32\cmd.exe
Ethernet adapter 區域連線:

    Connection-specific DNS Suffix . . . :
    Link-local IPv6 Address . . . . . : fe80::4cdc:3e90:ba56:1722%9
    IPv4 Address. . . . . : 192.168.10.14
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::1867:2a1b:e9c2:e57b%9
                               192.168.10.254

Wireless LAN adapter 無線網路連線:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . : edimax.com

Tunnel adapter 區域連線* 6:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . :

Tunnel adapter 區域連線* 7:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . :

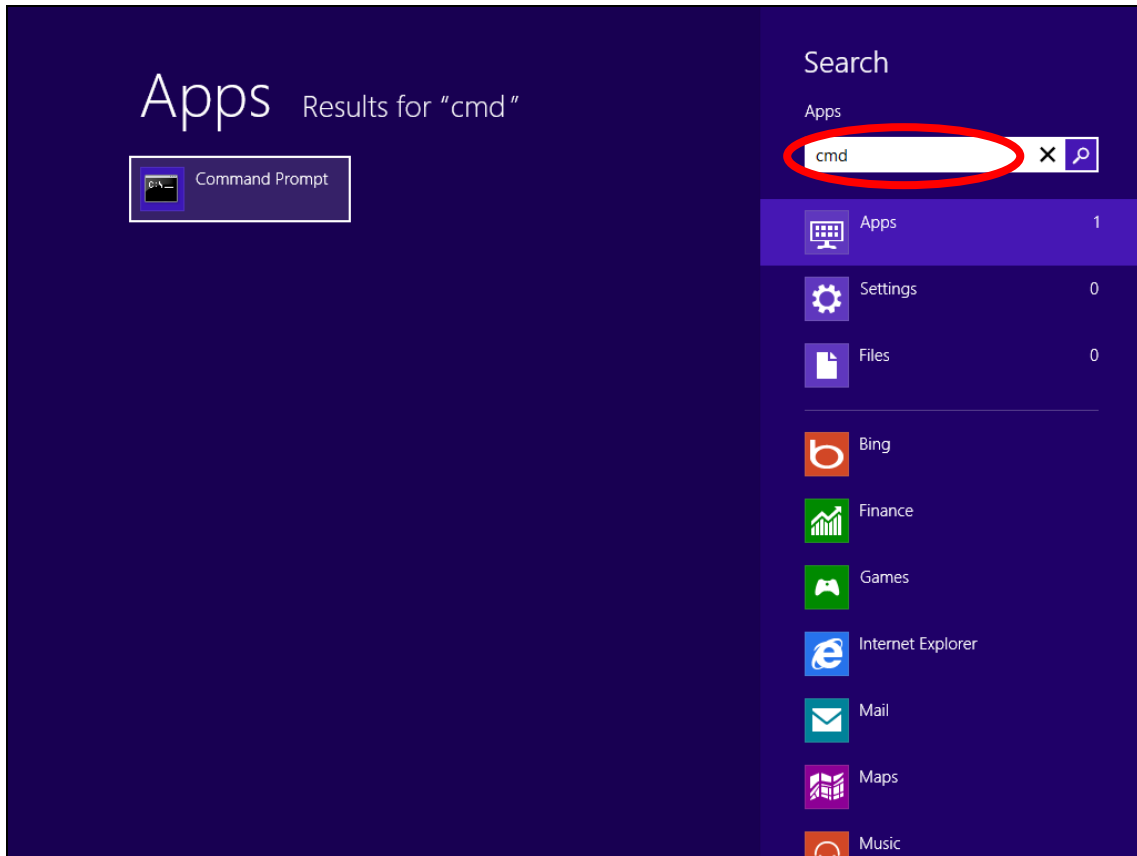
C:\Users\AlanChiu>
```

## IV-1-4-2. Windows 8

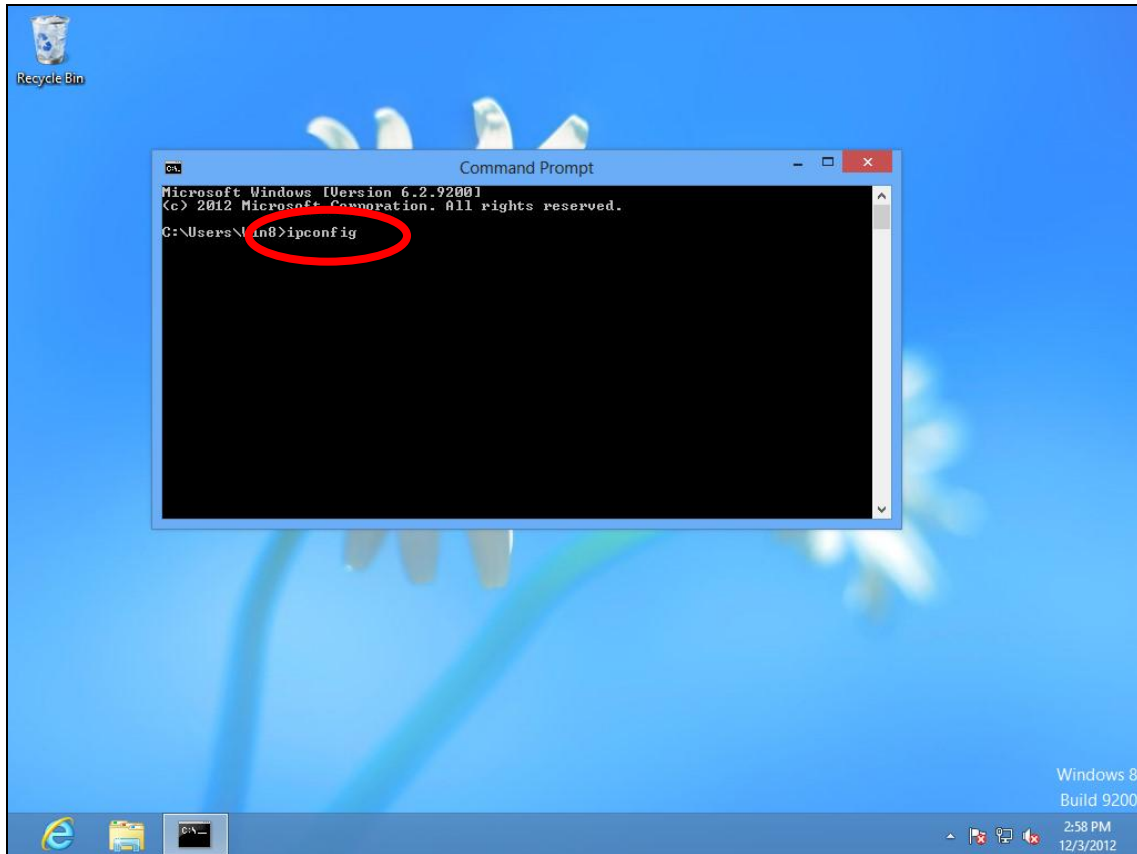
1. From the Windows 8 Start screen, move your cursor to the top right corner of the screen to display the Charms bar.



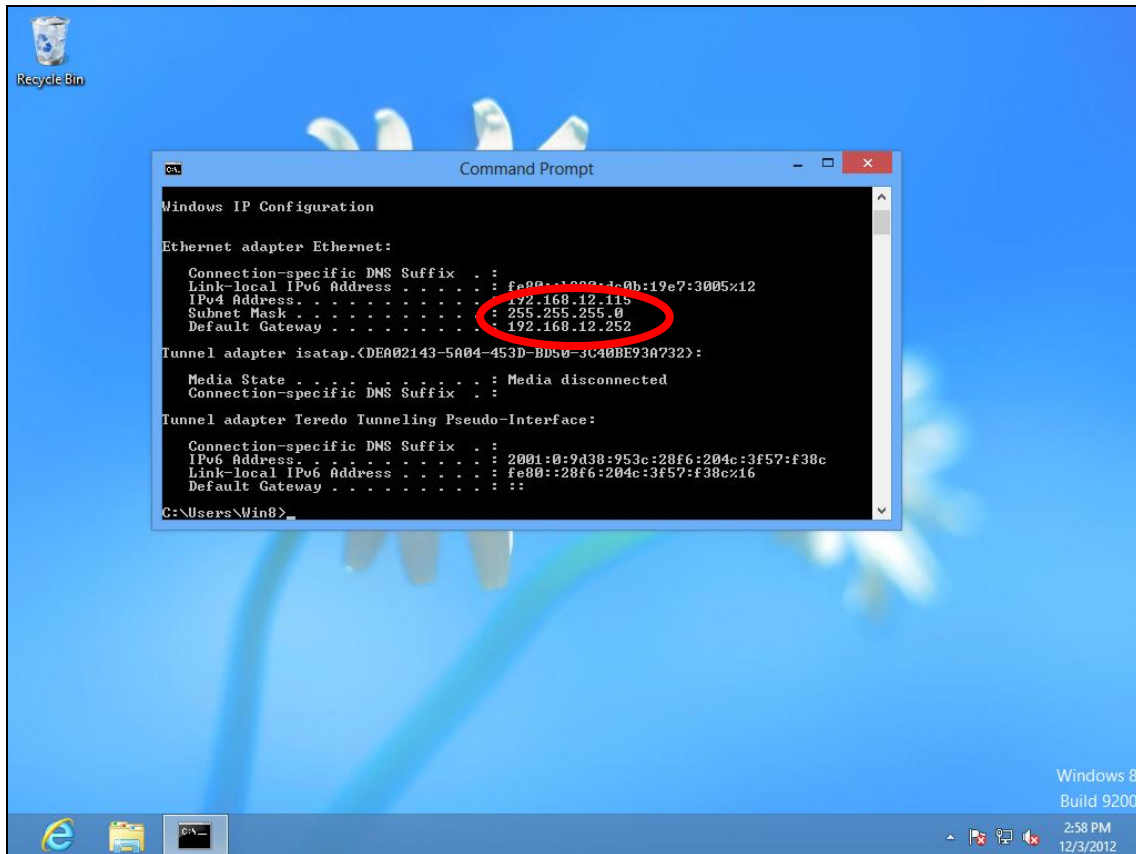
2. Click "Search" and enter "cmd" into the search bar. Click the "Command Prompt" app which be displayed on the left side.



**3.** A new window will open, type "ipconfig" and press Enter.

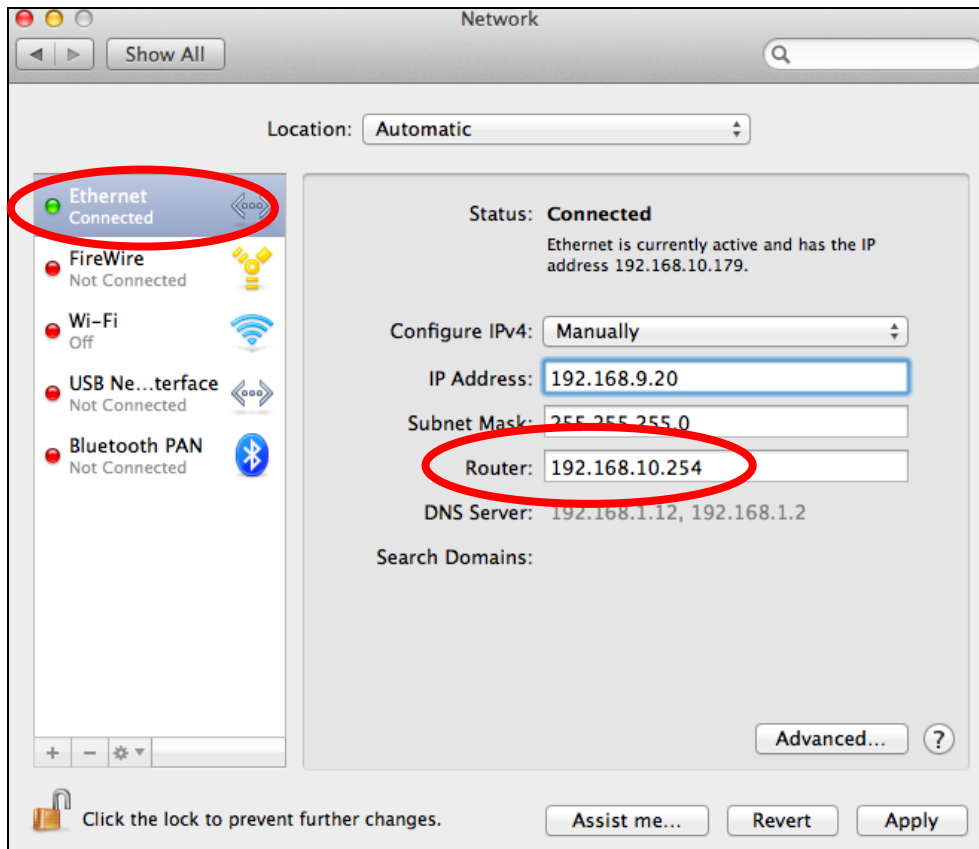


#### 4. Your router's IP address will be displayed next to "Default Gateway".



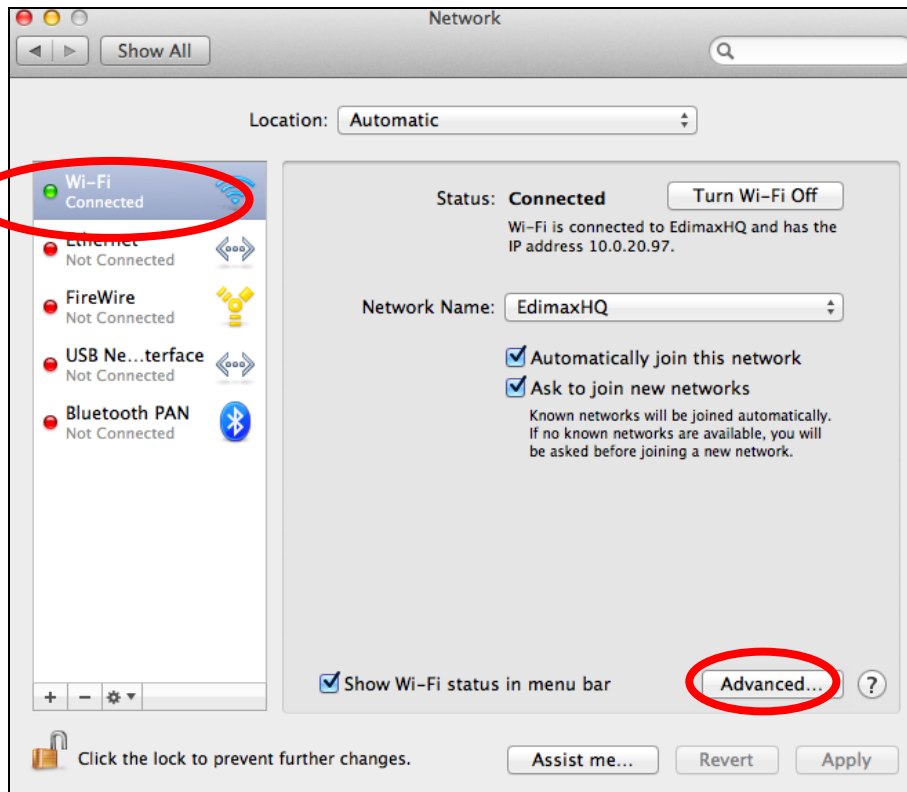
### IV-1-4-3. Mac

1. Launch “System Preferences” and click on “Network”.
2. If you are using an Ethernet cable to connect to your network, your router’s IP address will be displayed next to “Router”.

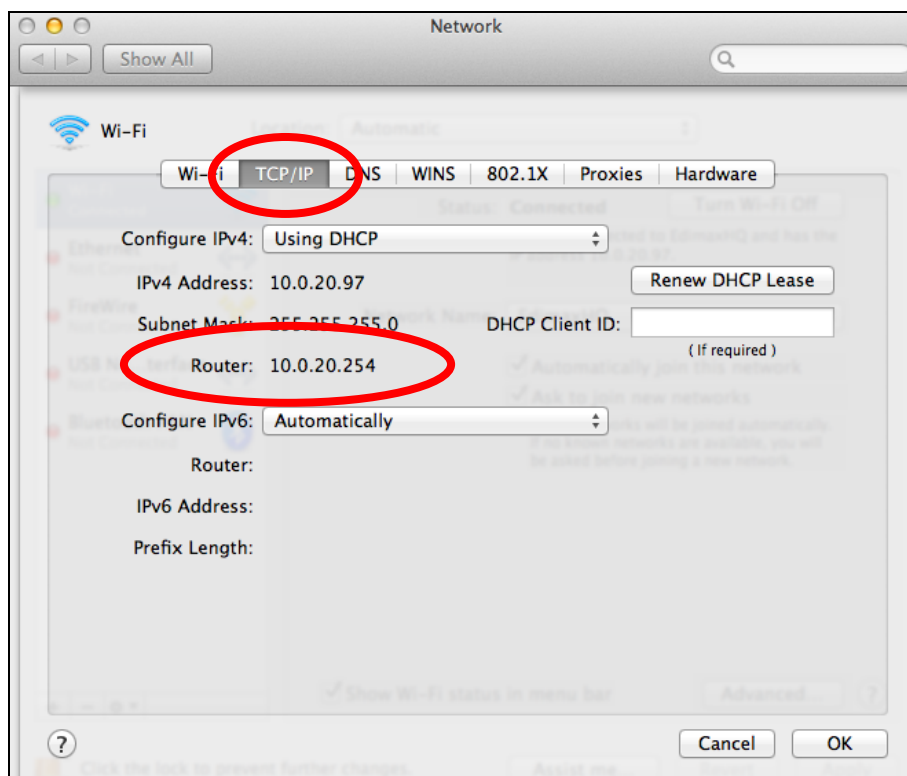


3. If you are using Wi-Fi, click “Wi-Fi” in the left panel, and then “Advanced” in the bottom right corner.







4. Click the "TCP/IP" tab and your router's IP address will be displayed next to "Router".

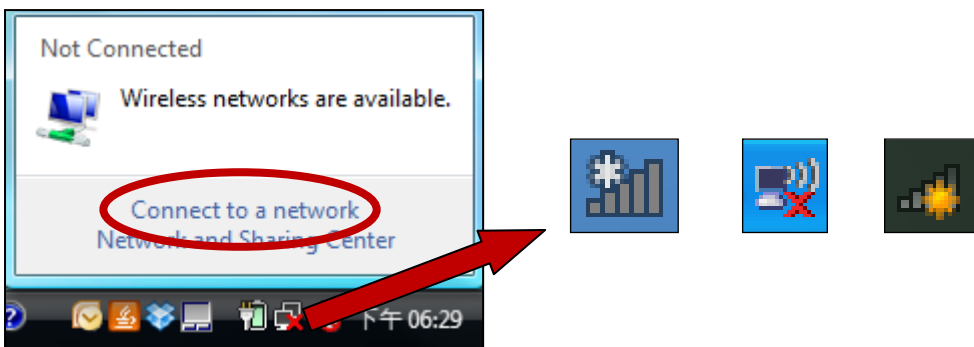


## IV-2. Connecting to a Wi-Fi network

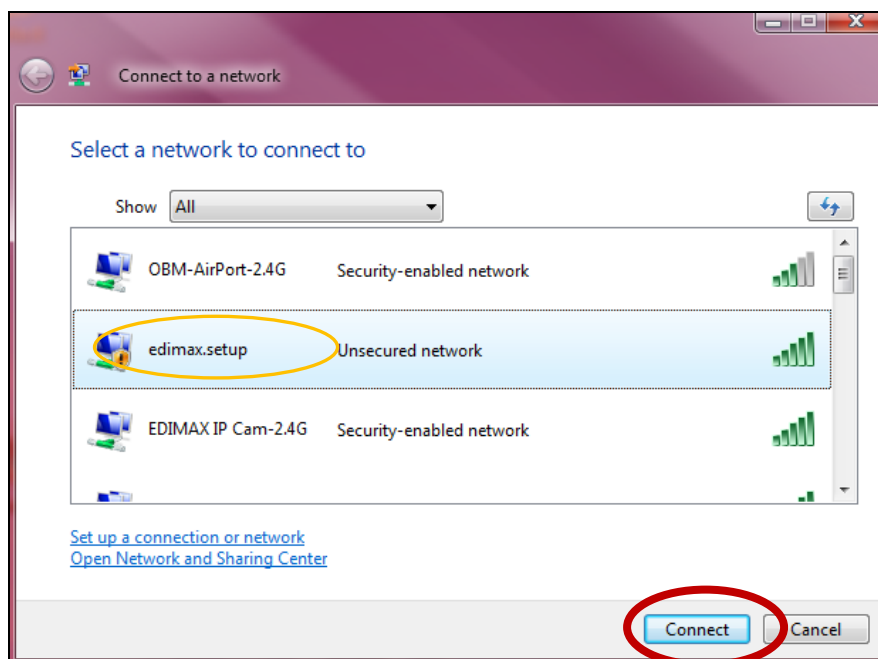
For help connecting to your device's **edimaxext.setup** SSID for initial setup, or to connect to your device's new Wi-Fi network (SSID) after setup is complete, follow the guide below:

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

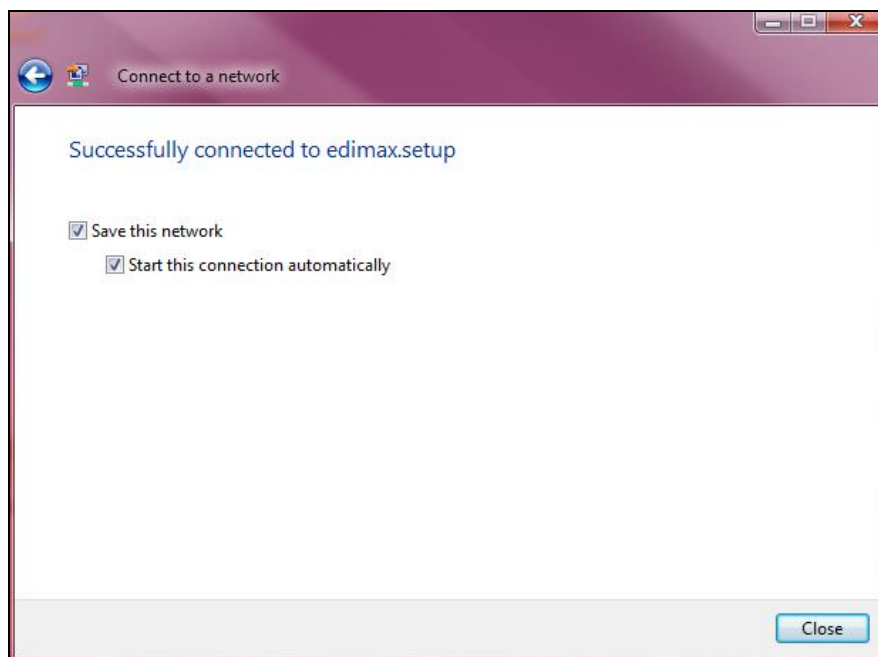
1. Click the network icon (, , or ) in the system tray and select “Connect to a network”.



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.
A firmware upgrade failed and the RE11S isn't working.	Firmware upgrade failures can happen occasionally due to power cuts or unstable connections. In this scenario, you need to first connect a computer to one of your RE11S's LAN ports using an Ethernet cable. Then you need to

modify your computer's IP address to **192.168.2.x** where **x** is any value between **3** and **254**. Refer to IV-1-2. How to modify the IP address of your computer if you need guidance to do so.

From there, you need to go to 192.168.2.1 in a web browser, and you will see the page below:

**Firmware Recovery Mode**

Please select the correct firmware file than click Upload once and wait for the next screen to display that the upgrade is in progress.



Click "Browse" to locate the firmware file on your computer and then click "Upload" to upload the new firmware. It may take several minutes to complete, please wait and follow the instructions on screen.

## IV-4. Glossary

**Default Gateway (Wireless bridge):** Every non-access point IP device needs to configure a default gateway's IP address. When the device sends out an IP packet, if the destination is not on the same network, the device has to send the packet to its default gateway, which will then send it out towards the destination.

**DHCP:** Dynamic Host Configuration Protocol. This protocol automatically gives every computer on your home network an IP address.

**DNS Server IP Address:** DNS stands for Domain Name System, which allows Internet servers to have a domain name (such as `www.Broadbandaccesspoint.com`) and one or more IP addresses (such as `192.34.45.8`). A DNS server keeps a database of Internet servers and their respective domain names and IP addresses, so that when a domain name is requested (as in typing "`Broadbandaccesspoint.com`" into your Internet browser), the user is sent to the proper IP address. The DNS server IP address used by the computers on your home network is the location of the DNS server your ISP has assigned to you.

**DSL Modem:** DSL stands for Digital Subscriber Line. A DSL modem uses your existing phone lines to transmit data at high speeds.

**Ethernet:** A standard for computer networks. Ethernet networks are connected by special cables and hubs, and move data around at up to 10/100 million bits per second (Mbps).

**IP Address and Network (Subnet) Mask:** IP stands for Internet Protocol. An IP address consists of a series of four numbers separated by periods, that identifies a single, unique Internet computer host in an IP network. Example: `192.168.2.1`. It consists of 2 portions: the IP network address, and the host identifier.

The IP address is a 32-bit binary pattern, which can be represented as four cascaded decimal numbers separated by ".": `aaa.aaa.aaa.aaa`, where each "aaa" can be anything from 000 to 255, or as four cascaded binary numbers separated by ".": `bbbbbbbb.bbbbbbbb.bbbbbbbb.bbbbbbbb`, where each "b" can either be 0 or 1.

A network mask is also a 32-bit binary pattern, and consists of consecutive leading 1's followed by consecutive trailing 0's, such as 11111111.11111111.11111111.00000000. Therefore sometimes a network mask can also be described simply as "x" number of leading 1's. When both are represented side by side in their binary forms, all bits in the IP address that correspond to 1's in the network mask become part of the IP network address, and the remaining bits correspond to the host ID.

For example, if the IP address for a device is, in its binary form, 11011001.10110000.10010000.00000111, and if its network mask is, 11111111.11111111.11110000.00000000 It means the device's network address is 11011001.10110000.10010000.00000000, and its host ID is, 00000000.00000000.00000000.00000111. This is a convenient and efficient method for access points to route IP packets to their destination.

**ISP Gateway Address:** (see ISP for definition). The ISP Gateway Address is an IP address for the Internet access point located at the ISP's office.

**ISP:** Internet Service Provider. An ISP is a business that provides connectivity to the Internet for individuals and other businesses or organizations.

**LAN:** Local Area Network. A LAN is a group of computers and devices connected together in a relatively small area (such as a house or an office). Your home network is considered a LAN.

**MAC Address:** MAC stands for Media Access Control. A MAC address is the hardware address of a device connected to a network. The MAC address is a unique identifier for a device with an Ethernet interface. It is comprised of two parts: 3 bytes of data that corresponds to the Manufacturer ID (unique for each manufacturer), plus 3 bytes that are often used as the product's serial number.

**NAT:** Network Address Translation. This process allows all of the computers on your home network to use one IP address. Using the broadband access point's NAT capability, you can access the Internet from any computer on your home network without having to purchase more IP addresses from your ISP.

**Port:** Network Clients (LAN PC) uses port numbers to distinguish one network application/protocol over another. Below is a list of common applications and protocol/port numbers:



Application	Protocol	Port Number
Telnet	TCP	23
FTP	TCP	21
SMTP	TCP	25
POP3	TCP	110
H.323	TCP	1720
SNMP	UCP	161
SNMP Trap	UDP	162
HTTP	TCP	80
PPTP	TCP	1723
PC Anywhere	TCP	5631
PC Anywhere	UDP	5632

**Access point:** A access point is an intelligent network device that forwards packets between different networks based on network layer address information such as IP addresses.

**Subnet Mask:** A subnet mask, which may be a part of the TCP/IP information provided by your ISP, is a set of four numbers (e.g. 255.255.255.0) configured like an IP address. It is used to create IP address numbers used only within a particular network (as opposed to valid IP address numbers recognized by the Internet, which must be assigned by InterNIC).

**TCP/IP, UDP:** Transmission Control Protocol/Internet Protocol (TCP/IP) and Unreliable Datagram Protocol (UDP). TCP/IP is the standard protocol for data transmission over the Internet. Both TCP and UDP are transport layer protocol. TCP performs proper error detection and error recovery, and thus is reliable. UDP on the other hand is not reliable. They both run on top of the IP (Internet Protocol), a network layer protocol.

**WAN:** Wide Area Network. A network that connects computers located in geographically separate areas (e.g. different buildings, cities, countries). The Internet is a wide area network.

**Web-based management Graphical User Interface (GUI):** Many devices support a graphical user interface that is based on the web browser. This means the user can use the familiar Netscape or Microsoft Internet Explorer to Control/configure or monitor the device being managed.

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## Federal Communication Commission Interference Statement

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

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

### FCC Caution

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

### Federal Communications Commission (FCC) Radiation Exposure Statement

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

### Federal Communications Commission (FCC) RF Exposure Requirements

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

### 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 2006/95/EC, 2011/65/EC.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2006/95/CE, 2011/65/CE.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2006/95/ES, 2011/65/ES.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2006/95/EC, 2011/65/EC..
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2006/95/CE, 2011/65/CE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2006/95/EC, 2011/65/EC.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2006/95/EK, 2011/65/EK).
- Türkçe:** Bu cihaz 2006/95/EC, 2011/65/EC direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2006/95/EC, 2011/65/EC.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2006/95/ES, 2011/65/ES.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2006/95/EC, 2011/65/EC.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2006/95/EC, 2011/65/EC.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2006/95/CE, 2011/65/CE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2006/95/EC, 2011/65/EC..
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2006/95/EC, 2011/65/EC.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2006/95/EC, 2011/65/EC.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2006/95/EG, 2011/65/EG.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2006/95/EC, 2011/65/EC.
- suomen kieli:** Tämä laite täyttää direktiivien 2006/95/EY, 2011/65/EY 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	TR



## 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 R&TTE directives.

**Equipment:** AC1200 Wi-Fi Extender/Access Point/Wi-Fi Bridge  
**Model No.:** RE11S

The following European standards for essential requirements have been followed:

**Spectrum:** ETSI EN 300 328 V1.8.1

**EMC:** EN 301 489-1 V1.9.2 (2011-09);  
EN 301 489-17 V2.2.1 (2012-09)

**EMF:** EN 62311:2008

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

Edimax Technology Co., Ltd.  
No. 3, Wu Chuan 3<sup>rd</sup> Road,  
Wu-Ku Industrial Park,  
New Taipei City, Taiwan



Date of Signature: August, 2016

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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