



## RE11S

# Quick Installation Guide

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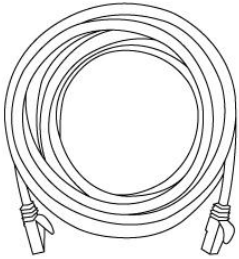
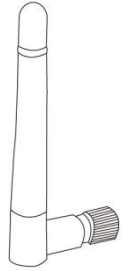
Live Tech Support: 1(800) 652-6776

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# I. Product Information

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## I-1. Package Contents



- RE11S Extender x 1
- CD with multi-language QIG & user manual
- Quick installation guide (QIG)
- Access key card
- Antenna x 2
- 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.
- Computer with 2.4GHz 802.11/b/g/n Wi-Fi adapter, and web browser for software configuration.
- Smartphone setup: iOS 4.3 or Android 4.x and above.

### I-3. LED Status

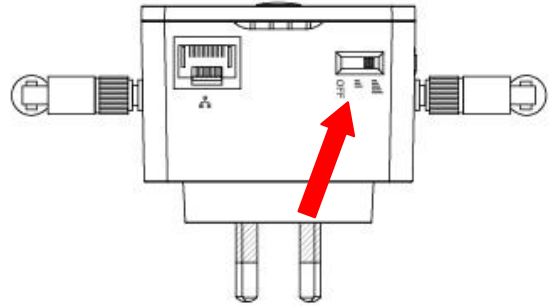


***All LEDs are disabled in green mode. The best signal strength is 60 – 80% since above 80% is likely too close to your router for the extender to be effective.***

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.
WPS	Green	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.
LAN	Green	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.***

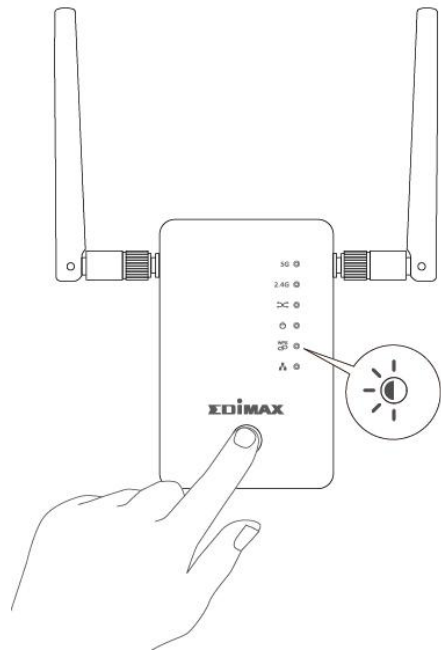
## II. Add Your RE11S To Your Network

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Adding your RE11S extender to your network is easy with the WPS button. New extenders automatically follow the Wi-Fi settings of the master RE11S linked to your router.

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

- 1.** Press the WPS button on your master extender for **3 seconds**.
- 2.** **Within two minutes**, press and hold the WPS button for **3 seconds** on the new extender you would like to add (within range of your master extender). 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). Roaming will be available automatically.



### III. Master Installation

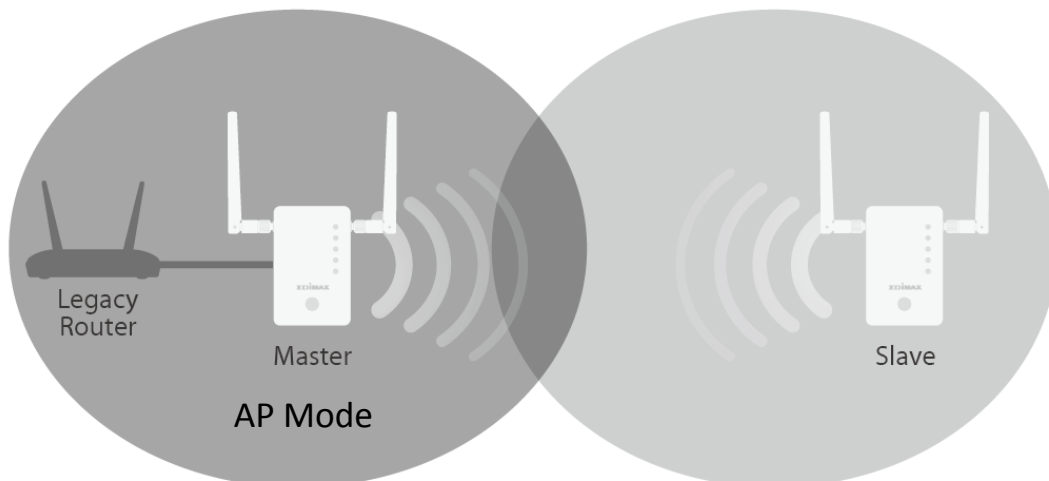
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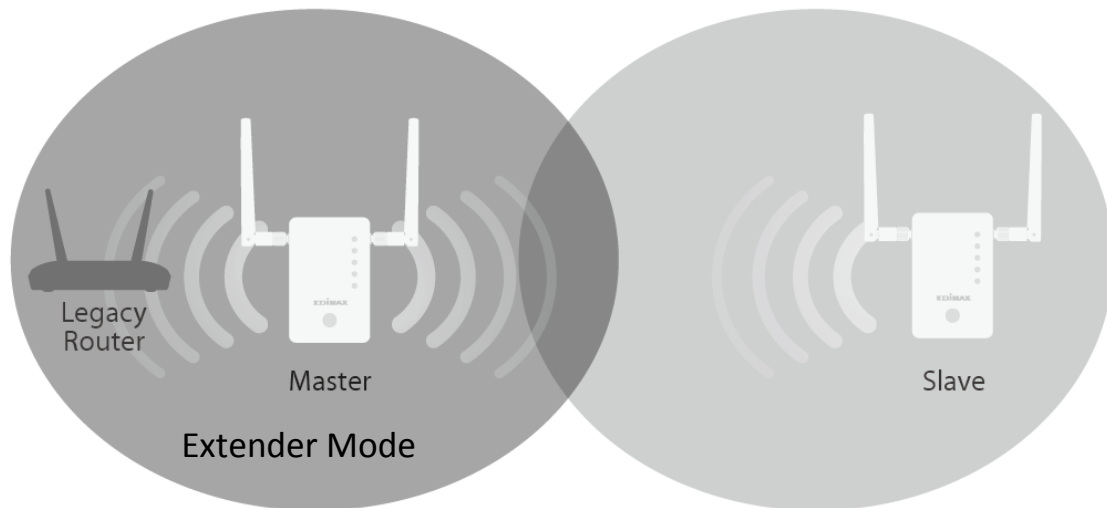
RE11S extenders support roaming. This means with two or more roaming devices set up, your Wi-Fi devices (smartphones, tablets etc.) will automatically connect to the best available Wi-Fi signal as you move around.



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

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





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



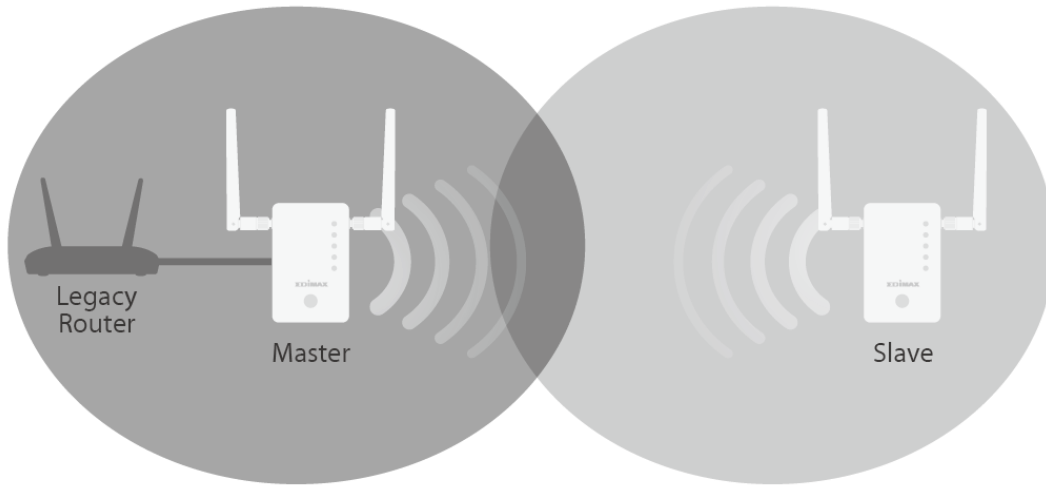
***Please ensure your router's DHCP server is enabled. For most routers this is enabled by default. If your DHCP server is disabled, you will need to assign an IP address to your extenders. Refer to the user manual for more help.***

Additional (slave) extenders will automatically be set to Wi-Fi Extender mode via the WPS button.

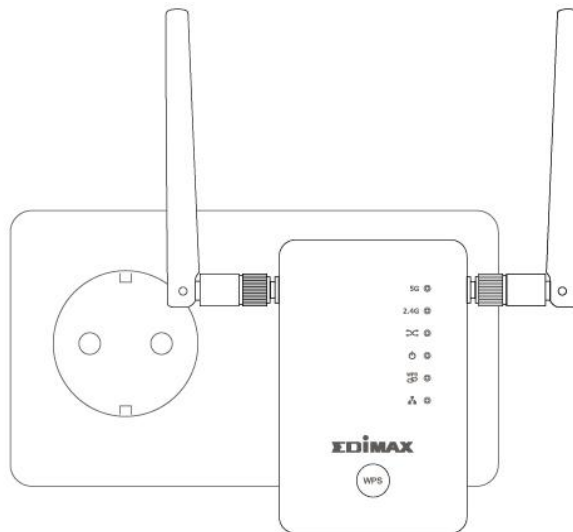
<b>Wi-Fi Extender</b>	<p><i>The device connects wirelessly to your existing network and repeats the wireless signal.</i></p> <p><b>Location:</b> The best location for your extender is roughly in the middle between your existing wireless router/access point and the dead zone. The extender needs to receive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

### III-1. 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.




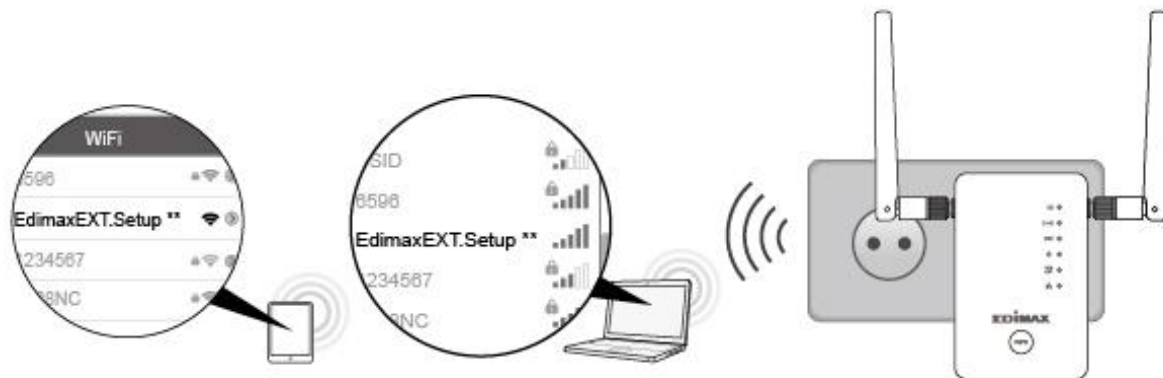
3. The **green** power LED will **flash** while the extender is starting up. The device is ready when the **green** power LED displays **on**.

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



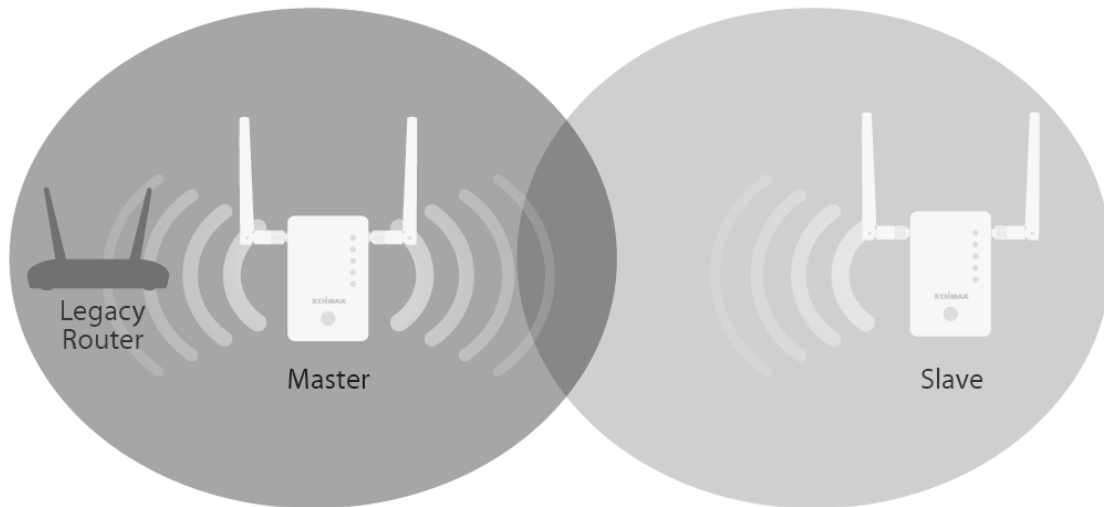
If you don't know how to connect your device to Wi-Fi, see **V. How to connect to Wi-Fi on your devices.**

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

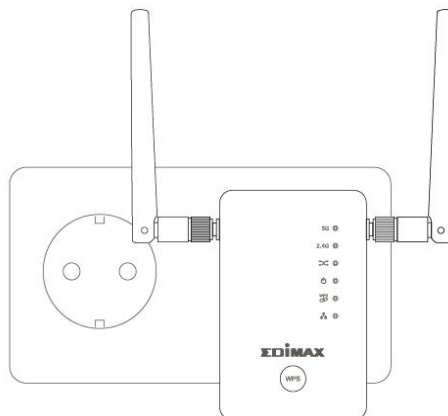


## III-2. Wi-Fi Extender Mode

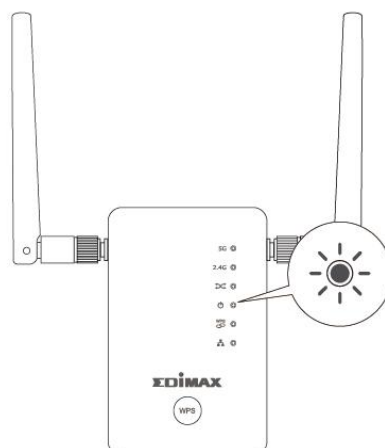
The device connects wirelessly to your existing network and repeats the wireless signal.



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**.

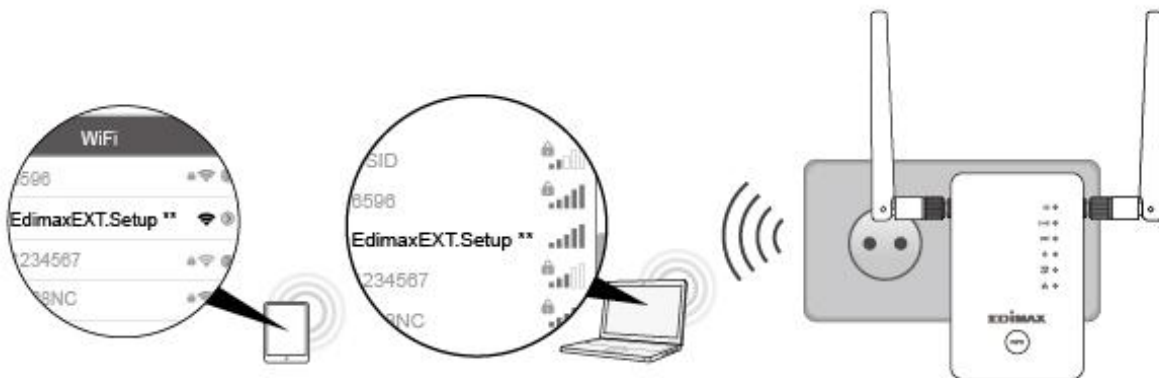


3. Use a Wi-Fi device to connect to the SSID “EdimaxEXT.Setup \*\*”. The default Wi-Fi SSID and password is printed on the Access Key Card.

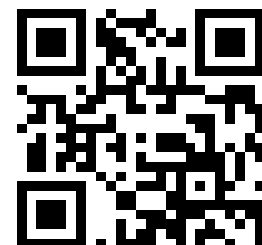
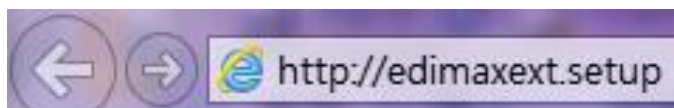


If you don't know how to connect your device to Wi-Fi, see **V. How to connect to Wi-Fi on your devices.**


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



4. 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 Wi-Fi Extender” to continue setup as 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.



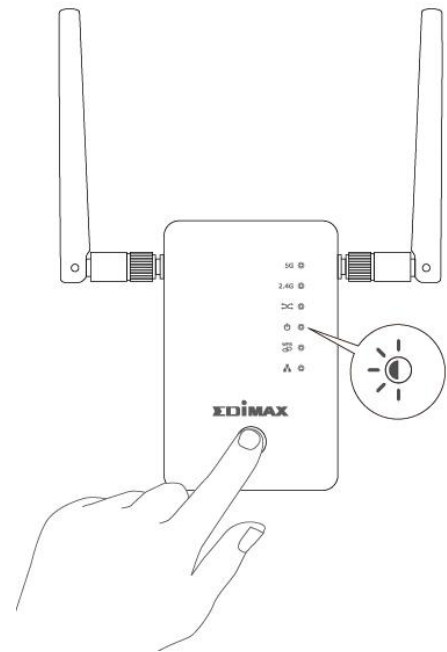
**To switch devices between “master” and “slaves”, unplug any Ethernet cables and reset the devices back to factory defaults and then setup again.**

## IV. Reset the Extender

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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**.

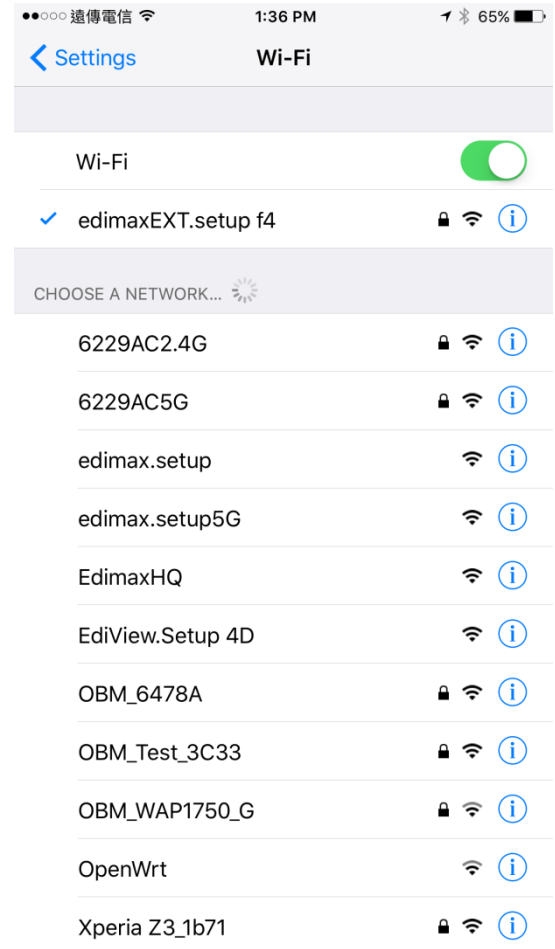


# V. Connecting to a Wi-Fi Network

## V-1. iOS


From your Home screen, go to Settings --> Wi-Fi.

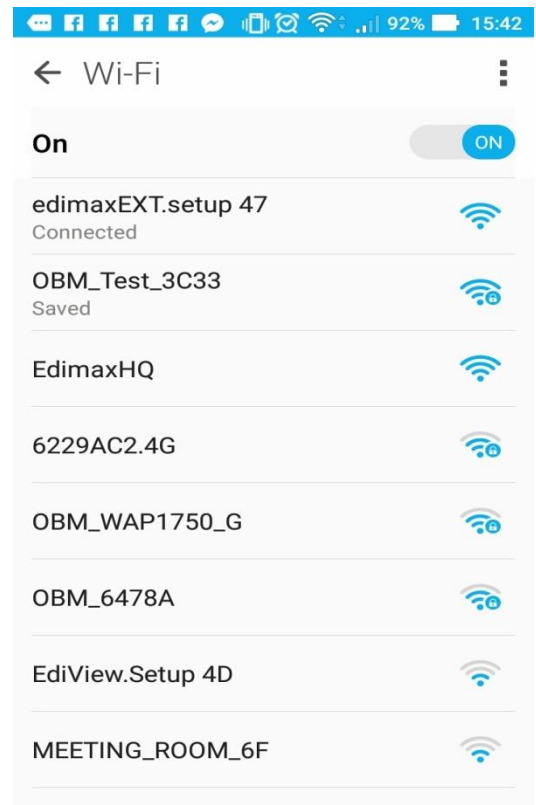
- 1.** Turn on Wi-Fi.  
Your device will automatically search for available Wi-Fi networks.
- 2.** In the Wi-Fi networks list, tap "EdimaxEXT.setup \*\*". The last two \*\* characters are unique according to your device. The SSID is printed on the Access Key Card.
- 3.** Type the password printed on the Access Key Card.
- 4.** After you join the network, you'll see  next to the network and  in the upper-left corner.






## V-2. Android

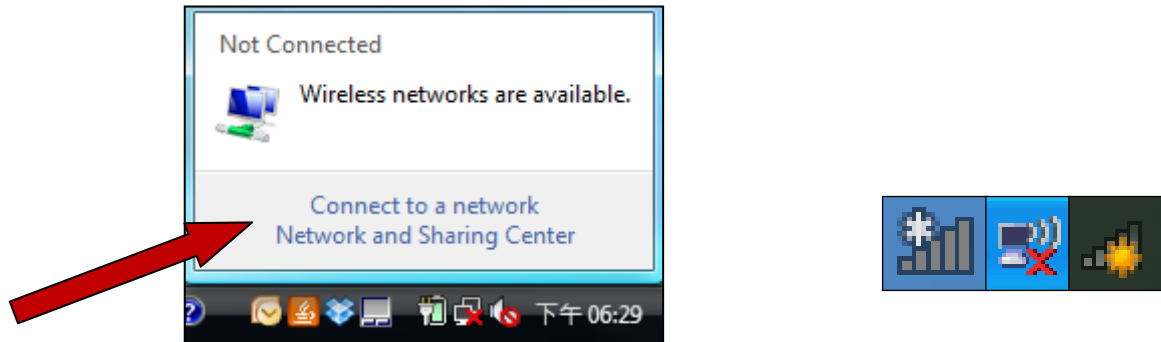
From your Home screen, go to Settings --> Wi-Fi.

- 1.** Turn on Wi-Fi.  
Your device will automatically search for available Wi-Fi networks.
- 2.** In the Wi-Fi networks list, tap "EdimaxEXT.setup \*\*". The last two \*\* characters are unique according to your device. The SSID is printed on the Access Key Card.
- 3.** Type the password printed on the Access Key Card.
- 4.** After you join the network, you'll see **Connected** under the network SSID and  in the upper-right corner.

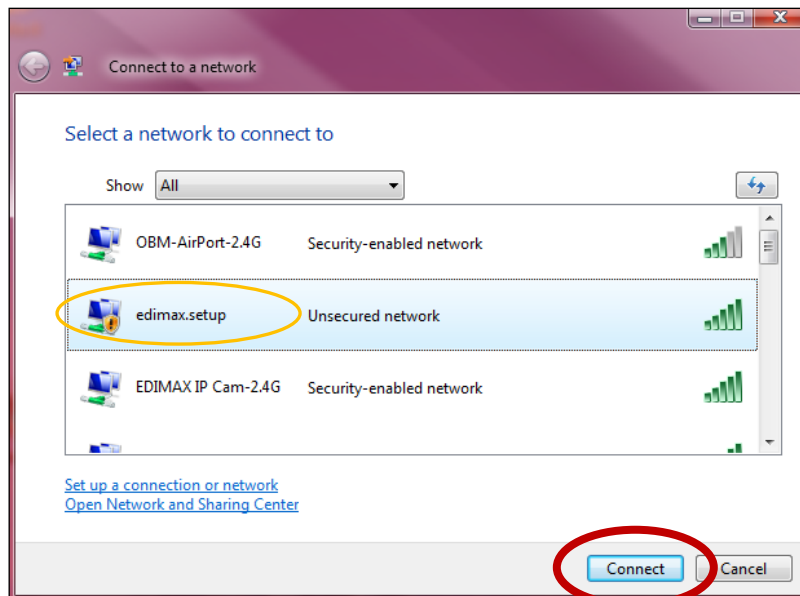


## V-3. Windows

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



2. Select "EdimaxEXT.setup \*\*". The last two \*\* characters are unique according to your device. The SSID is printed on the Access Key Card.



3. Type the password printed on the Access Key Card.
4. After correctly entering your password, you will be successfully connected to the RE11S's wireless network.

## V-4. Mac

1. Click the Wi-Fi icon in the top right menu of the screen and select the Wi-Fi network **EdimaxEXT.setup\*\***.
2. Type the password printed on the Access Key Card.

 ***The last two \*\* characters are unique according to your device.***



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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.
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