

# Edimax Gemini

## Home Wi-Fi Roaming Upgrade Kit

### RE11

## Quick Installation Guide

06-2016 / v1.0

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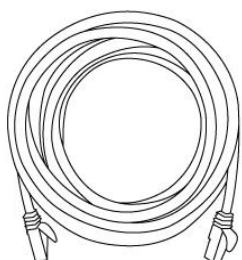
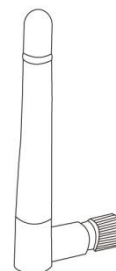
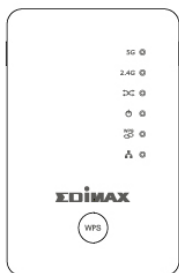
Live Tech Support: 1(800) 652-6776

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

# 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.
- 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



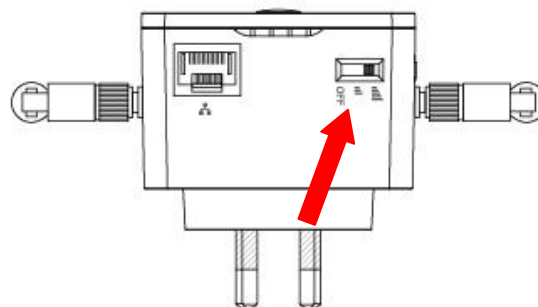
*All LEDs are disabled in green mode. The best signal strength is 60 – 80% since above 80% is likely too close to your router for the extender to be effective.*

| LED           | Color | Status         | Description   |
|---------------|-------|----------------|---|
| Signal 5GHz   | Blue  | On             | Excellent location.<br>Signal strength: 60 – 80%                |
|               |       | Slow Flashing  | Good location.<br>Signal strength: 40 – 60% & 80 - 100%         |
|               |       | Quick Flashing | Poor location.<br>Signal strength: Below 40%                    |
|               |       | Off            | No signal detected.   |
| Signal 2.4GHz | Blue  | On             | Excellent location.<br>Signal strength: 60 – 80%                |
|               |       | Slow Flashing  | Good location.<br>Signal strength: 40 – 60% & 80 - 100%         |
|               |       | Quick Flashing | Poor location.<br>Signal strength: Below 40%                    |
|               |       | Off            | No signal detected.   |
| Cross Band    | Green | On             | Cross band enabled.   |
|               |       | Off            | Cross band disabled.  |
| 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.   |
|            |              | Flashing | LAN activity (transferring or receiving data).  |
|            |              | 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          | 50% Wi-Fi power  |
| Sleep Mode | Bottom          | Wi-Fi & LEDs off |



***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.***

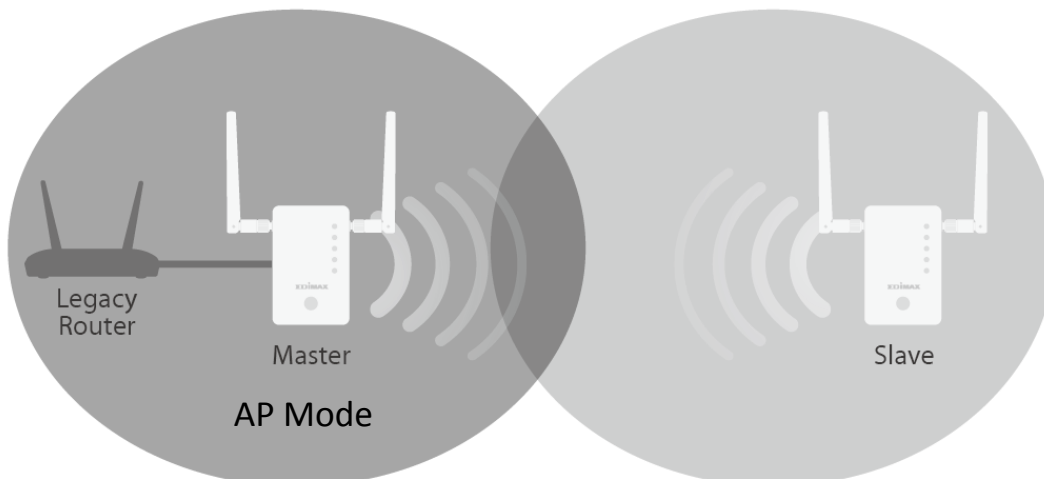
## II. Master Installation

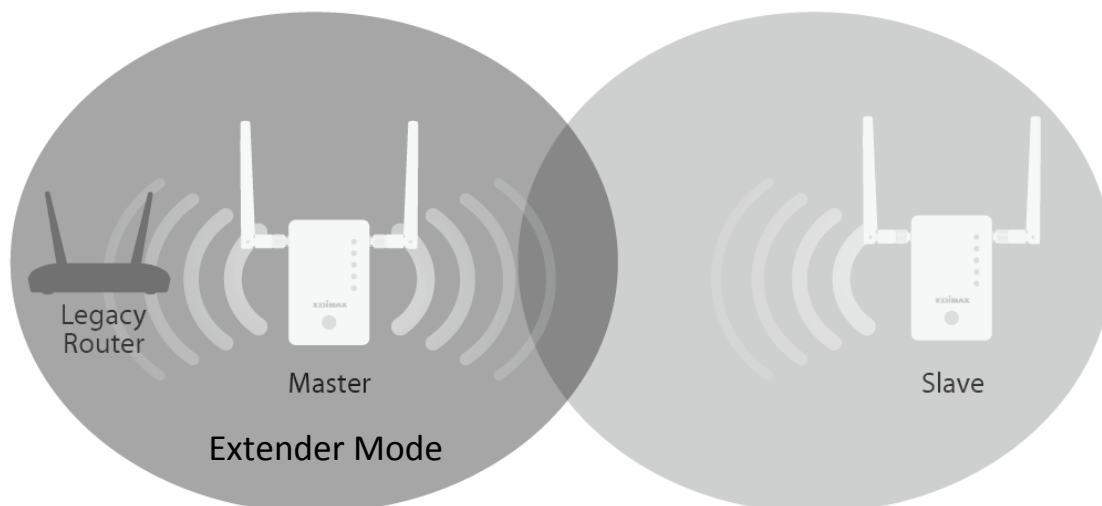
Your RE11 kit includes two extenders which support roaming. This means after setup your Wi-Fi devices (smartphones, tablets etc.) will automatically connect to the best available Wi-Fi signal as you move around.




**You only need to setup one extender to join your existing Wi-Fi network.** This acts a master extender. Your second and other add on extenders act slave 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.

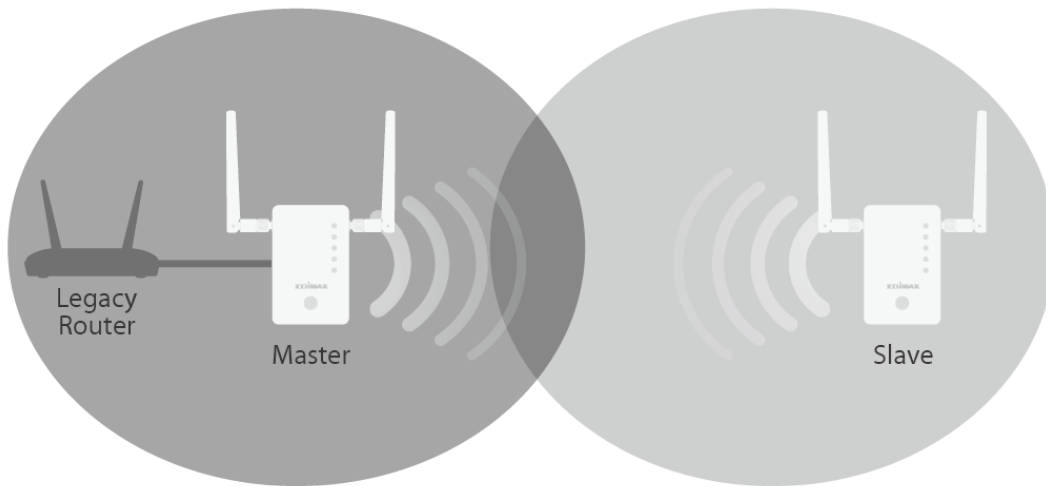
 ***Please ensure your router's DHCP server is enabled. For most routers this is enabled by default. If your DHCP server is disabled, you will need to assign an IP address to your extenders. Refer to the user manual for more help.***

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

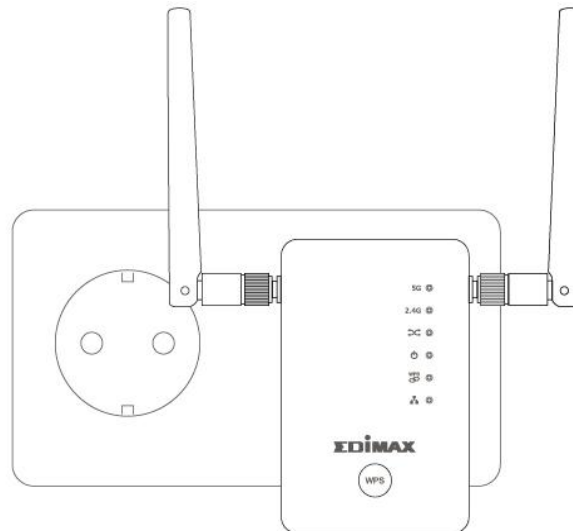
|                                     |   |
|-------------------------------------|---|
| <b>Wi-Fi Extender</b>               | <i>The device connects wirelessly to your existing network and repeats the wireless signal.</i><br><b>Location:</b> The best location for your extender is roughly in the middle 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. |
| <b>Wi-Fi Access Point</b>           | <i>The device connects to an existing router via Ethernet cable and provides wireless Internet access for your network devices.</i><br><b>Location:</b> Connected to your router via Ethernet cable.  |
| <b>Wi-Fi Bridge (Wi-Fi Adapter)</b> | <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><br><b>Location:</b> Within Wi-Fi coverage, close to your wired network device.   |

## II-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. See **IV. 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.



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**Access Key**

**Web Browser Access:**      **Wi-Fi Client Access:**

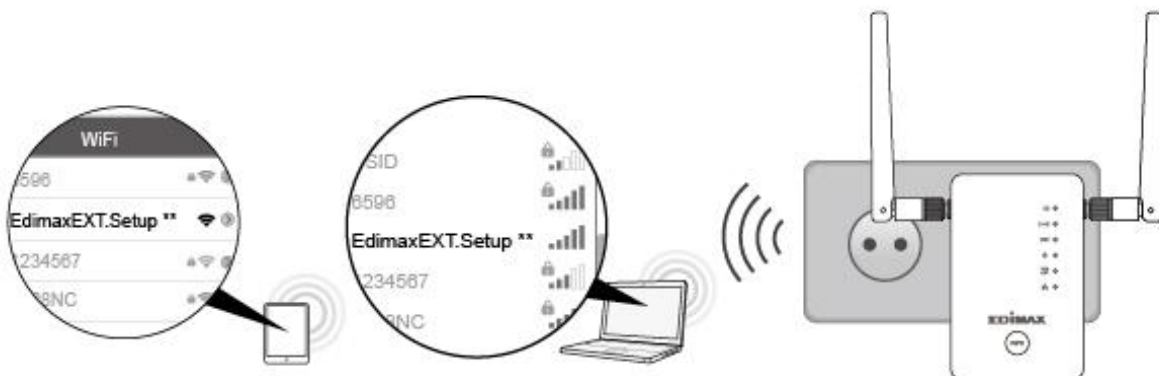
http://edimaxext.setup      Initial Device Name (SSID):  
or http://192.168.9.2     

User Name: admin      Initial Device SSID Password:  
Password: 1234       Wi-Fi Extender

Note: Please keep this card for future use.

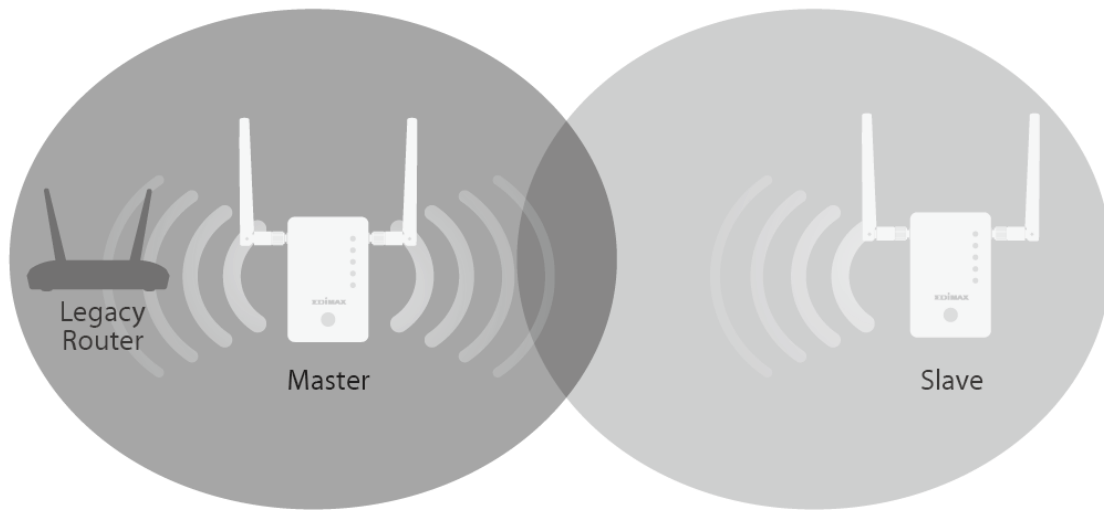
If you don't know how to connect your device to Wi-Fi, see **V. How to connect to Wi-Fi on your devices.**

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

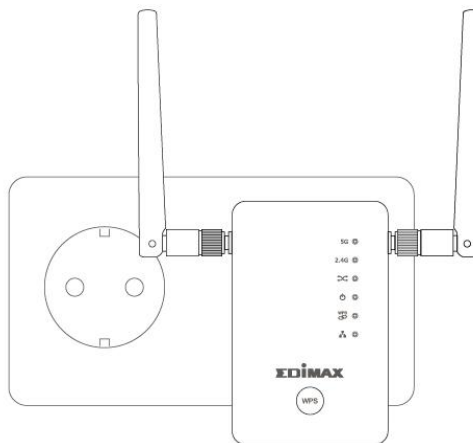


## II-2. Wi-Fi Extender Mode

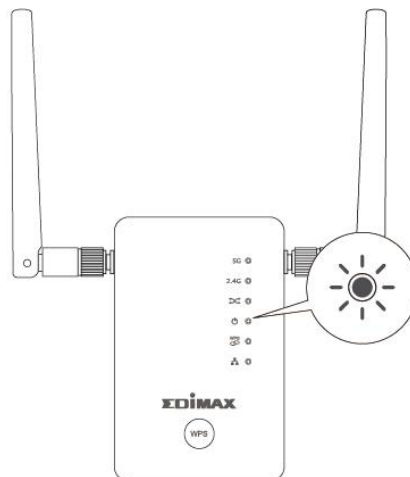
The device connects wirelessly to your existing network and repeats the wireless signal.



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**.

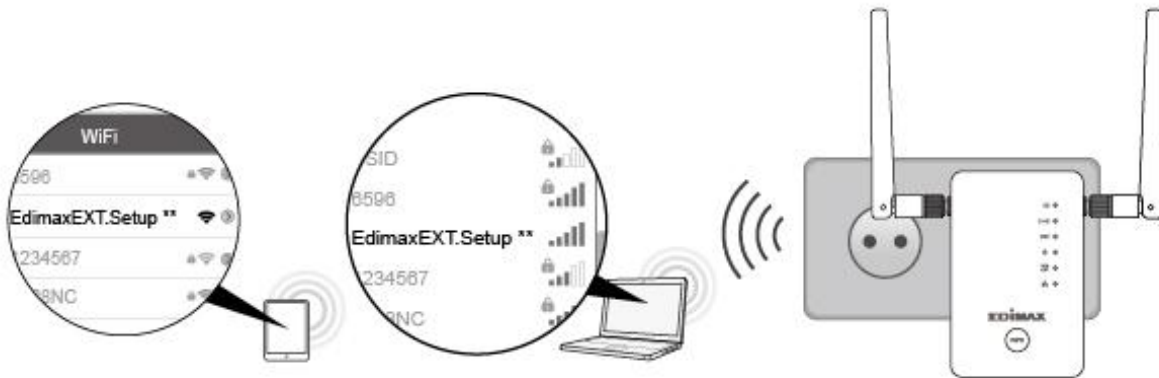


3. Use a Wi-Fi device to connect to the SSID “EdimaxEXT.Setup \*\*”. The default Wi-Fi SSID and password is printed on the Access Key Card.

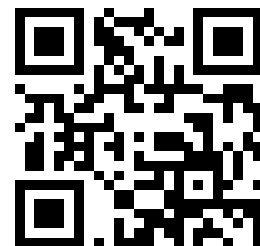
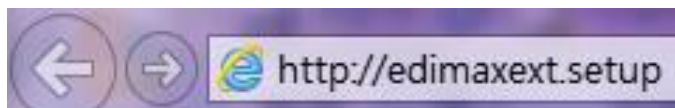


If you don't know how to connect your device to Wi-Fi, see **V. How to connect to Wi-Fi on your devices.**

 ***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.



**EDIMAX**

**AC1200 Home Wifi Roaming  
Extender**

RE11S



***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.



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 IV. **WPS & Roaming** to add second extender.



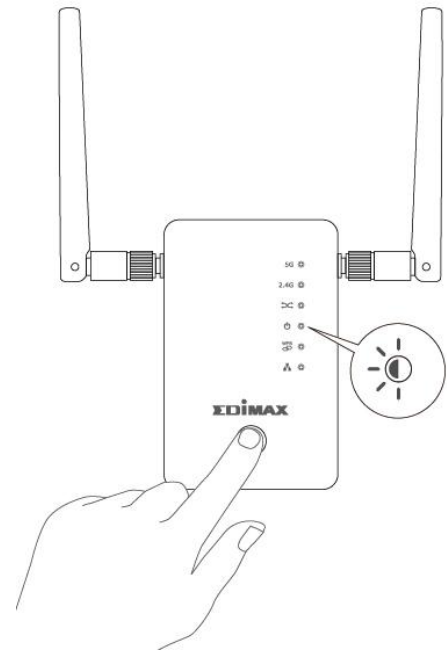
***To switch devices between “master” and “slaves”, unplug any Ethernet cables and reset the devices back to factory defaults and then setup again.***

### III. 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**.

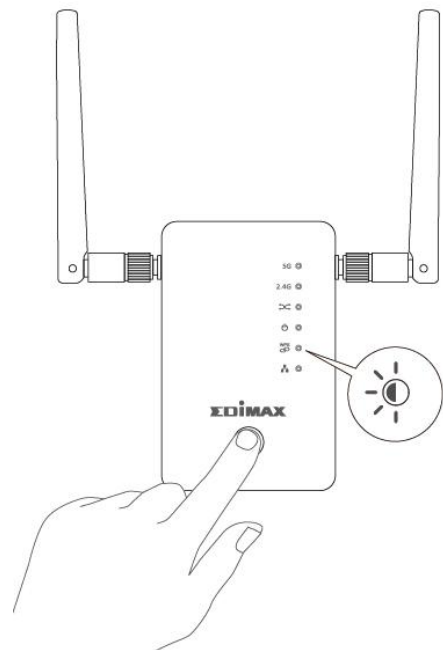


### IV. WPS & Roaming

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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.** The devices will establish a connection. Both extender's **green** WPS LED should display on for 30 seconds to indicate a successful connection.

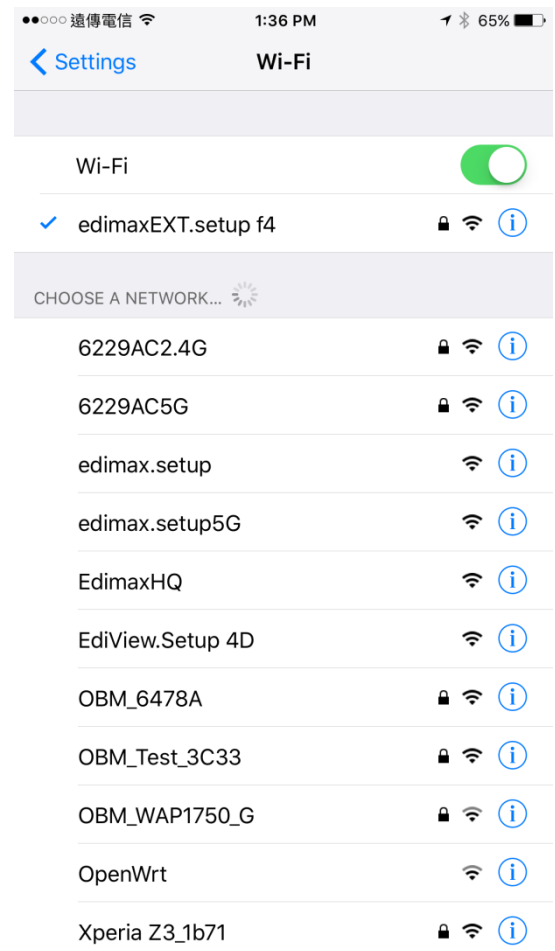


# V. Connecting to a Wi-Fi Network

## V-1. iOS


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

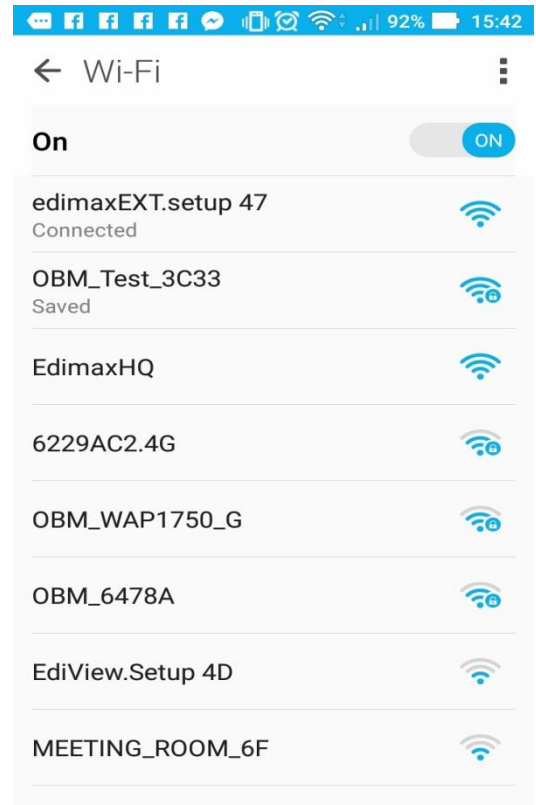
- 1.** Turn on Wi-Fi.  
Your device will automatically search for available Wi-Fi networks.
- 2.** In the Wi-Fi networks list, tap "EdimaxEXT.setup \*\*". The last two \*\* characters are unique according to your device. The SSID is printed on the Access Key Card.
- 3.** Type the password printed on 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.

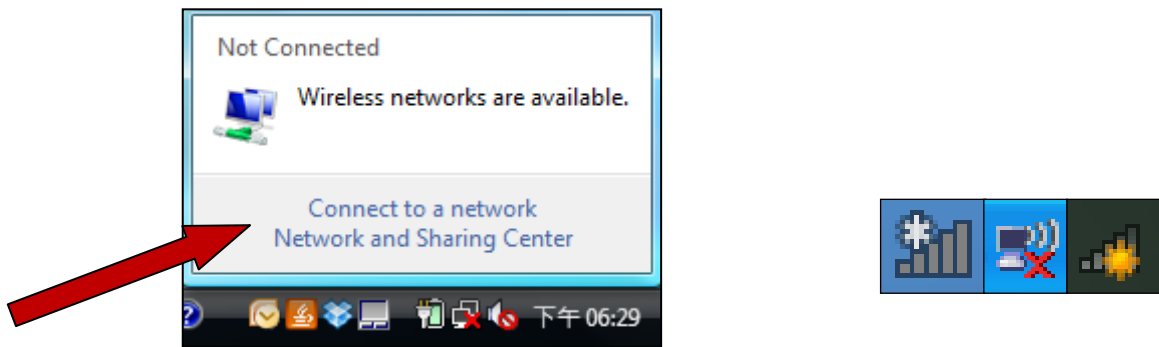
- 1.** Turn on Wi-Fi.  
Your device will automatically search for available Wi-Fi networks.
- 2.** In the Wi-Fi networks list, tap "EdimaxEXT.setup \*\*". The last two \*\* characters are unique according to your device. The SSID is printed on the Access Key Card.
- 3.** Type the password printed on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



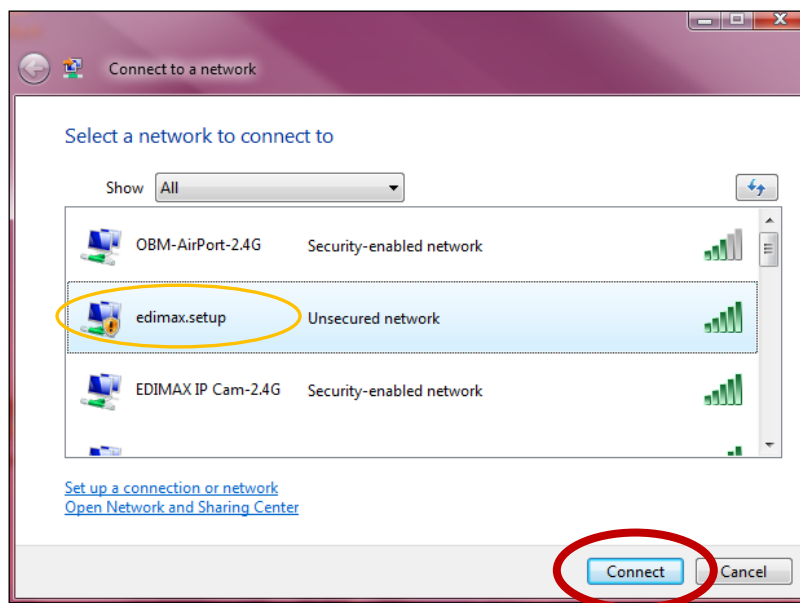


### V-3. Windows

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.***



## 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 Roaming Mesh Extender  
**Model No.:** RE11S

The following European standards for essential requirements have been followed:

**Spectrum:** ETSI EN 300 328 V1.9.1  
ETSI EN 301 893 V1.8.1

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

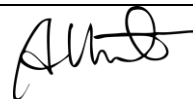
**EMF:** EN 62311:2008

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

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, 2014

Signature:



Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.



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