

# Edimax Gemini Home Wi-Fi Roaming Upgrade Kit RE23S



## Quick Installation Guide

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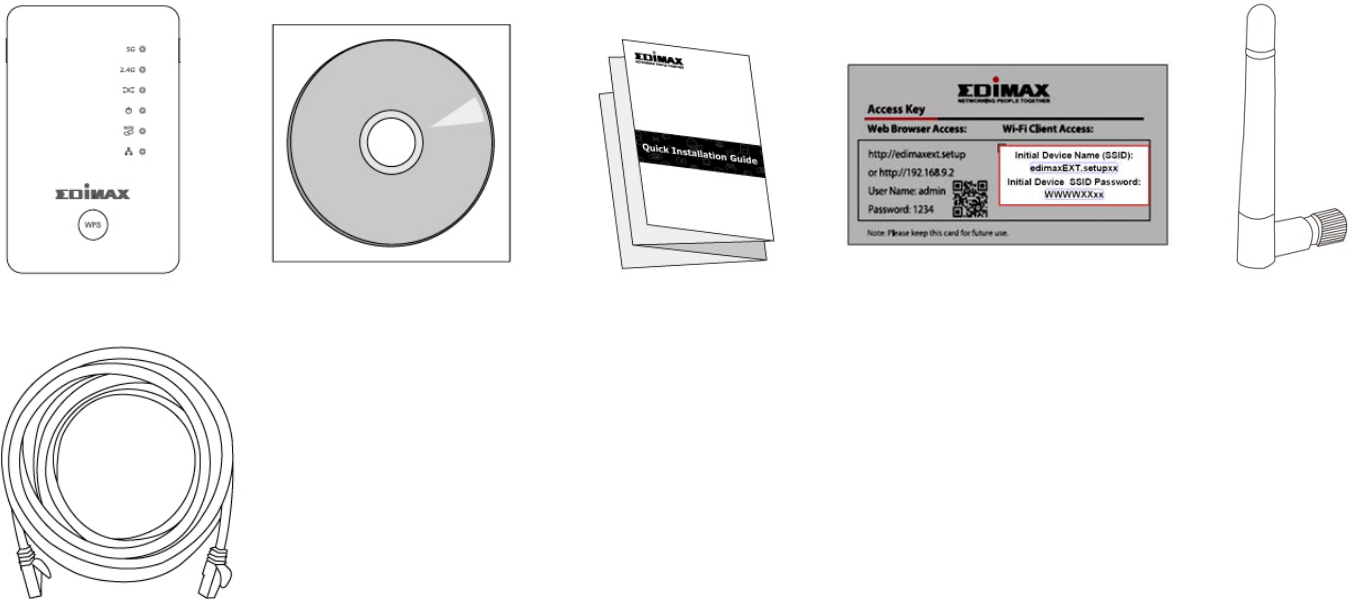
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# I. Product Information

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RE23S are Wi-Fi roaming extenders. After setting up your roaming network, your Wi-Fi devices (smartphones, tablets etc.) will automatically connect to the best available Wi-Fi signal as you move around.

## I-1. Package Contents



- RE23S 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

LED	Color	Status	Description
2.4GHz	Green	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.
5GHz	Orange	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.
LAN	Green	On	LAN port connected.
		Off	LAN port not connected.

## II. Initial Setup

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First you need to link **one** RE23S to your router by Wi-Fi or Ethernet cable:

- (i) Simply plug in and use the WPS button (push for 3s on each device). The RE23S will automatically link to your router and use the **same Wi-Fi name and password as your router**. That's it – ready to add more extenders.

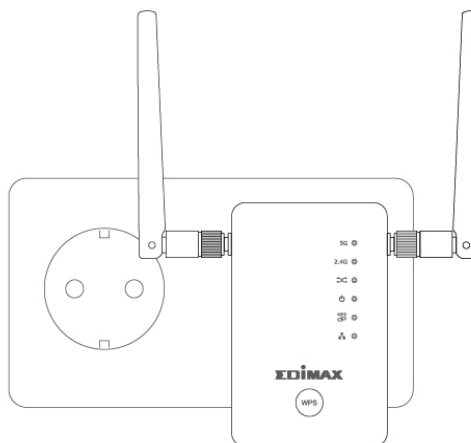
**Or**

- (ii) Just plug in and connect the RE23S to your router with an Ethernet cable. The RE23S will automatically link to your router and use the **Wi-Fi name and password on your access card**. That's it – ready to add more extenders.

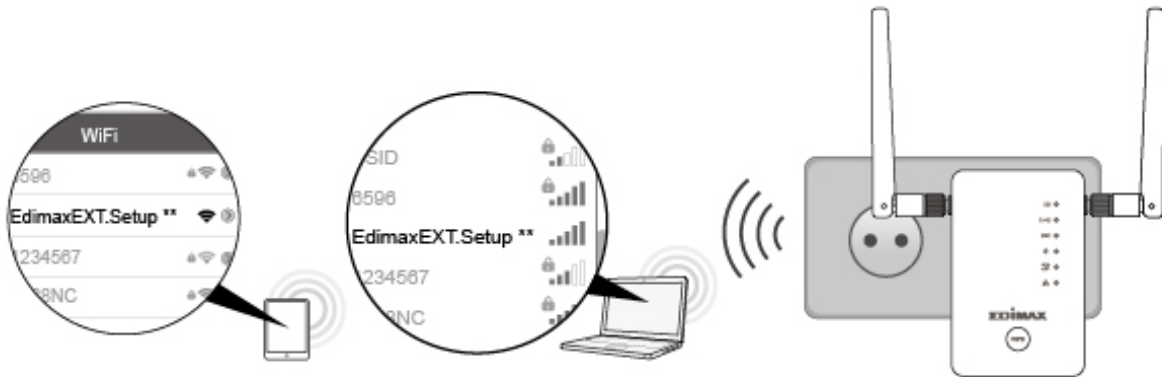
**Or**

- (iii) You can setup **any Wi-Fi name and password you prefer**. (Recommended if your router doesn't support roaming). Follow the steps below for the on-screen iQ Setup wizard instead:

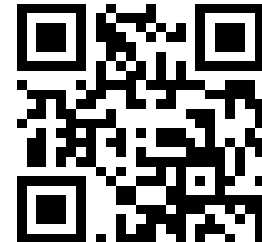
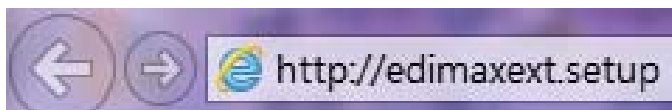
- 1.** Plug one RE23S into a power socket and wait for the **green LED to flash**.




- 2.** Use a Wi-Fi device to connect to the SSID **EdimaxEXT.Setup \*\*** (The Wi-Fi SSID and password are printed on the Access Key Card and the last two characters are unique to your device).



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



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

- 4.** Select **Yes, I need a Wi-Fi Extender** to continue setup wirelessly, or **Change to a Different Mode** and then **Access Point Mode** if you want to link your RE23S to your router with an Ethernet cable.



- 5.** 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 and then you're ready to add more extenders.

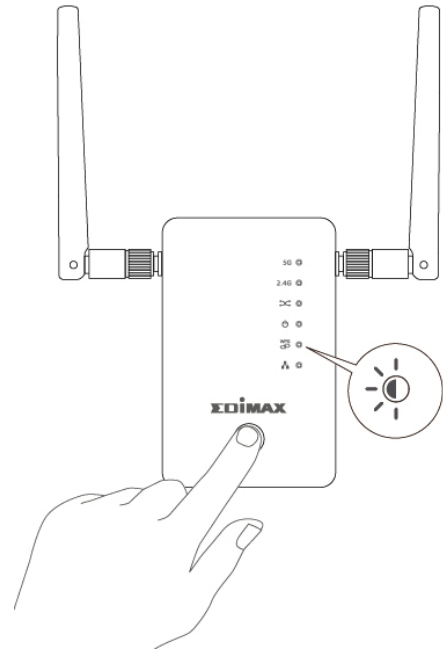
### III. Adding More Extenders & WPS

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Adding more RE23S roaming extenders to your network is easy with the WPS button. Additional extenders automatically follow the Wi-Fi settings of the first RE23S linked to your router.

WPS can also be used to link the first RE23S to your router for first-time setup.

- 1.** Press the WPS button on your linked extender (or router for first-time setup) for **3 seconds**.
- 2.** **Within two minutes**, press and hold the WPS button for **3 seconds** on the new extender.
- 3.** Please wait while the devices will establish a connection. **This can take up to 2 minutes**.



- 4.** Both extenders' **green** and **orange** LEDs should display on for 30 seconds to indicate a successful connection. (If not, please restart each device and try again).



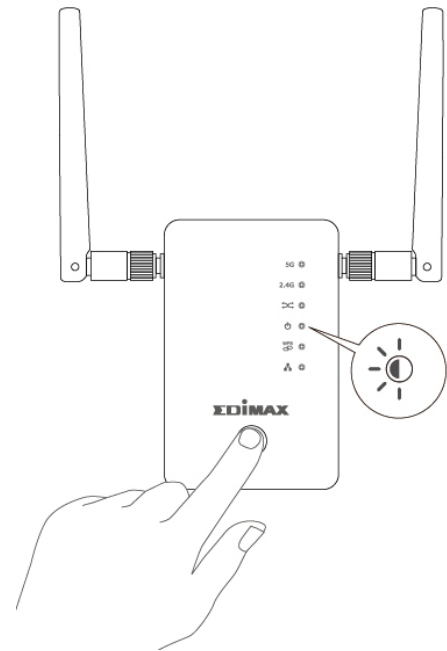
***Check your router's documentation for WPS instructions.***

## IV. Reset

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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 reset button for at least 10 seconds and release when the **green** LED is **flashing**.
- 2.** Wait for the extender to restart. After a period of time the extender is ready for setup when the **green** LED is **flashing again**.





## 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.

This equipment is restricted to *indoor* use when operated in the 5.15 to 5.25 GHz frequency range.

### 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 20cm 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.

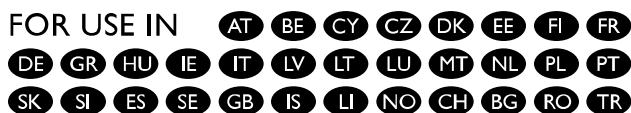
## EU Countries Not Intended for Use

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



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### 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:** AC2600 Wi-Fi Roaming Mesh Extender  
**Model No.:** RE23S

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)

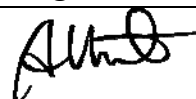
**EMF:** EN 62311:2008

**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

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Date of Signature: August, 2014

Signature:



Printed Name:

Albert Chang

Title:

Director

Edimax Technology Co., Ltd.



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