

EW-7438RPn V2

Quick Installation Guide

08-2013 / v1.0

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I. Product Information

I-1. Package Contents











- EW-7438RPn
- CD with multi-language QIG & user manual
- Quick installation guide (QIG)
- RJ45 Ethernet cable
- Access key card

I-2. System Requirements

- Wi-Fi extender/Wi-Fi bridge mode: Existing 2.4GHz 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 (Internet Explorer 8 or above, Google Chrome, Firefox or Safari latest version)

I-3. LED Status

LED	Color	Status	Description
Signal	Amber	On	Excellent signal Signal strength: 60 – 100%
Strength 2.4GHz		Slow Flashing	Good signal Signal strength: 40 – 60%
		Quick Flashing	Poor signal Signal strength: 0 – 40%
2.40112		Off	LAN port not connected

Wi-Fi	Green	Flashing	Transferring data
~		Off	Wi-Fi not active or in LED off mode
		On	Extender is on
Power	Green	Flashing	Resetting to factory default settings, or system is booting up
		Off	Extender is off or in LED off mode
WPS	Green	On	WPS connection established (LED will remain on for 5 minutes to indicate a successful connection)
wps ©		Flashing	WPS in progress (waiting for another WPS device)
		Off	No WPS in progress or in LED off mode
LAN	Green	On	LAN port connected
4		Flashing	LAN activity (transferring or receiving data)
2 .1 E88		Off	LAN port not connected

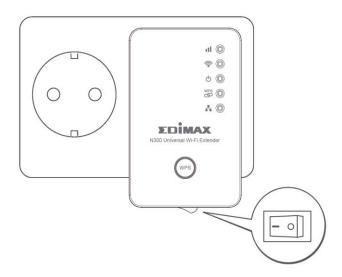
LEDs can be disabled in "Advanced Settings" **in the browser based A** configuration interface. If LEDs are disabled, all LEDs will be off regardless of the extender's status.

II. Installation

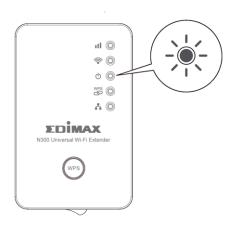
The EW-7438RPn has three different operating modes which you can choose depending on your network requirements. Each mode is described below:

Wi-Fi Extender	The device connects wirelessly to your existing network and repeats the wireless signal. Location: 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.
Wi-Fi Adapter/ Wi-Fi Bridge	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. Location: Within Wi-Fi coverage, close to your wired network device.
Wi-Fi Access Point	The device connects to an existing router via Ethernet cable and provides wireless Internet access for your network devices. Location: Connected to your router via Ethernet cable.

1. Plug the EW-7438RPn into a power socket and switch it on.



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



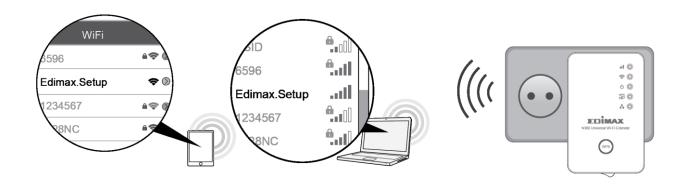
3. Use a Wi-Fi device (e.g. computer, tablet, smartphone) to search for a Wi-Fi network with the SSID "Edimax.Setup" and connect to it.

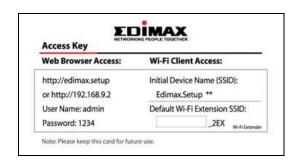


If you are using a computer, please disconnect any Ethernet cables. For mobile devices, iOS 4.3 or Android 4.x or above is required.



The last two characters of the SSID (Edimax.Setup**) will be unique numbers according to your device e.g."Edimax.Setup c1". Your unique SSID is displayed on the product label along with the included access key card.





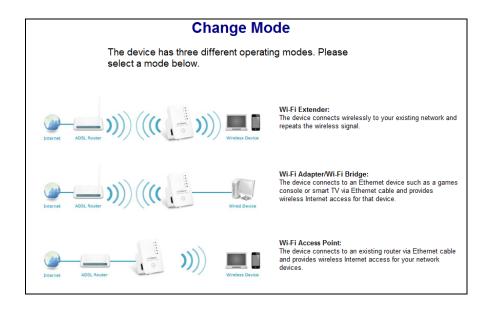
4. Open a web browser and if you do not automatically arrive at the "Get Started" screen shown below, enter the URL http://edimax.setup and click "Get Started" to begin the setup process.





If you cannot access http://edimax.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 an operating mode for your EW-7438RPn.



- **6.** Follow the on-screen instructions for your selected mode to complete setup. The rest of this guide will use "Wi-Fi Extender" mode as an example. For more information on other modes, please refer to the user manual or VI. Access Point Mode.
- 7. Please read the on screen instructions about selecting a good location for your wireless extender and then click "NEXT" to continue. You can check your signal strength on the next page.



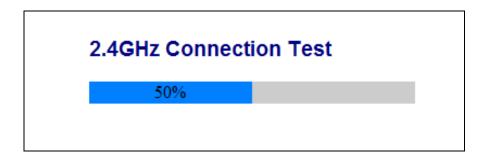
8. Select your Wi-Fi network from the list and enter the security key/password. You can also enter a new Wi-Fi network name (SSID) if you wish. Click "Next" to continue.

By default, the Wi-Fi extender's new wireless network name 📤 (SSID) is your existing router/access point's SSID + 2EX. For example if your router's SSID is "Your SSID" then the EW-7438RPn's SSID will be "Your SSID 2EX". You can change your extender's new SSID in the "Extender Device SSID" field.

0	EdimaxHQ	76%			
•	OBM-AirPort-2.4G	76%			
	Security Key(your existing network security key) ********				
	Extender device SSID OBM-AirPort-2.4G_2EX				
0	6428nS	52%			

Do not check "Connect to a hidden network" unless you wish to 📤 connect to a hidden SSID instead. Refer to the user manual for more information.

9. Please wait while the EW-7438RPn tests the connection.



If your Wi-Fi extender cannot obtain an IP address (below) from your existing router/access point then click the "Static IP" button to assign an IP address to the extender. For more guidance please refer to the user manual.



10. When the connection test is complete, click "Apply" to restart the extender.



Please wait a moment until the extender is ready.

System is restarting. Please wait for a moment.

10%

Remind: Your Wi-Fi will disconnect from the extender during the system restart (approximately 1 minute). When the system is complete, please connect to the extender's new SSID and password as below.

2.4GHzExtender Name: OBM-AirPort-2.4G_2EX Security Key:

11. A final congratulations screen will indicate that setup is complete. The EW-7438RPn is working and ready for use - the amber signal strength LED should display **on** or **flash** depending on your signal strength.

Congratulations. Your extender has successfully established a connection. You can reconnect to Extender by new SSID name/security key listed as below. 2.4GHzExtender Name: OBM-AirPort-2.4G_2EX Security Key:

12. Please close the browser window. You can now connect to the **extender's new SSID** on a wireless device within range such as a computer, smartphone or tablet. Do not connect to your router's SSID instead!



The password for your Wi-Fi extender's SSID is the same as for your router's SSID.

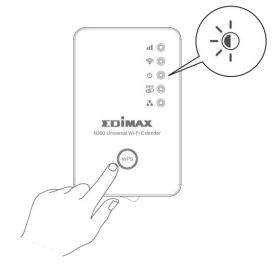
For more advanced configurations, use the browser based configuration interface (refer to **IV. Browser Based Configuration Interface** or the user manual for more information).



III. Reset the Extender

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/Reset button for at least 10 seconds until 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. Browser Based Configuration Interface

After setup you can use the browser based configuration interface to configure advanced settings.

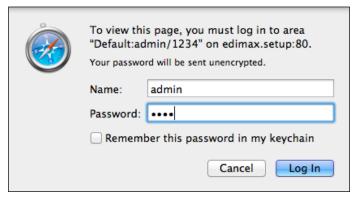
1. To access the browser based configuration interface enter http://edimax.setup into the URL bar of a browser on a network device which is connected to the same Wi-Fi network as the extender.



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

Windows: Connect to edimax.setup The server edimax.setup at Default Name:admin Password: 1234 requires a username and password. Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection). User name: Password: Remember my password OK Cancel

Mac:



3. You will arrive at the "Status and Information" screen. Use the menu down the left side to navigate. Refer to the user manual for more detailed guidance.

V. WPS

If your wireless router/access point supports WPS (Wi-Fi Protected Setup) then you can use this method to setup your wireless extender.

1. Press the WPS button on your wireless router/access point to activate its WPS.

EDIMAX

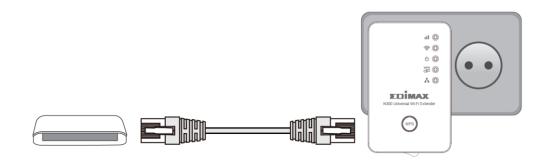


Please check the instructions for your 📤 wireless router/access point for how long you need to hold down its WPS button.

- **2.** Within two minutes, press and hold the WPS button on the wireless extender for two seconds. The extender's green WPS LED should flash to indicate that WPS is in progress.
- 3. The devices will establish a connection. The extender's green WPS LED should display on for 5 minutes to indicate a successful connection.

VI. Access Point Mode

If you are using the EW-7438RPn in "Access Point" mode, please ensure you connect the device to your existing router using an Ethernet cable as shown below:



Select "Access Point" mode during setup (refer to II. Installation Step 5) and follow the on screen instructions. When setup is complete, connect your Wi-Fi device to your access point's new SSID.

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/ЕС, 2011/65/ЕС.

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 requesitos essênciais 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.





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 directive 2006/95/EC, and directive 2011/65/EC(RoHS).

Equipment: N300 Universal Wi-Fi Extender

Model No.: EW-7438RPn

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 50385:2002

Safety (LVD): IEC 60950-1:2005 (2nd Edition);

EN-60950-1:2006+A11:2009+A1:2010+A12:2011

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New Taipei City, Taiwan

Printed Name: Vivian Ma Title: Director

CE

Edimax Technology Europe B.V.

Date of Signature: October 15, 2013

Signature:

Printed Name: Albert Chang

Title: Director

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