

# EW-7822UMX

## User Manual

08-2022 / V1.0

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# Contents

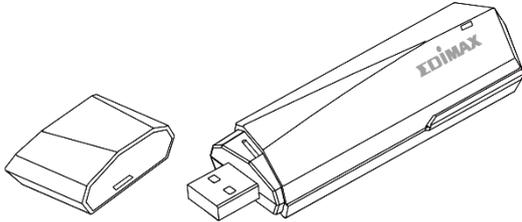
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# I. Product Information

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## I-1. Package Contents

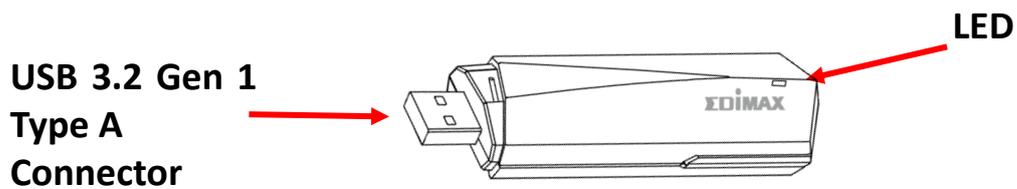


USB Adapter



Quick Installation Guide

## I-2. Hardware Overview



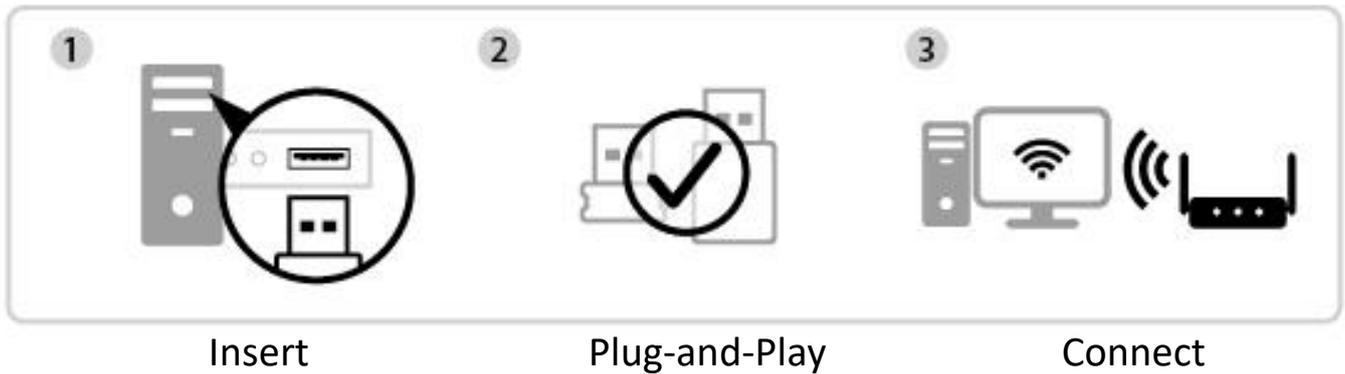
## I-3. LED Status

LED Status	Description
Fast Flash	Connected
Slow Flash	Not Connected
Off	No wireless activity

## I-4. Supported System

- Windows 10 / 11
  - Linux
- \* To use with USB 3.2 Gen 1 (USB 3.0) port is recommended for best 5GHz performance.
- \* Additional version information may be announced on the EDIMAX website.

## II. Windows Plug-and-Play Installation

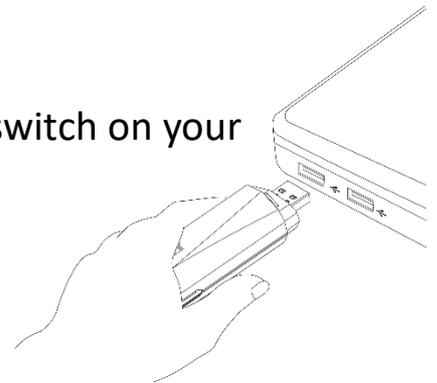


### II-1. Insert the USB Adapter

1. Insert the USB adapter into the USB port and then switch on your computer.



***Never use force to insert the USB adapter.***



### II-2. Plug-and-Play

1. The Network icon  will be displayed on the bottom-right corner of the Windows taskbar if the Plug-and-Play function is supported. (If Network icon doesn't display, please refer to VI. FAQ->Q1)



***Notice that the Network icon might be different depending on the version of your Operating System.***



***If your Operating System does not recognize the USB adapter, you will need to install an additional driver on your computer. Please refer to "Section III".***



### II-3. Select & Connect the Wi-Fi Network

Select your Wi-Fi Network (SSID), click “**Connect**” and enter the password if it is required.



1. For Windows 11 users, click the Network icon  and then click the right-arrow icon  to show the existing Wi-Fi Network (SSID) and select the one you want to connect. Move to step 3 if a password is required.



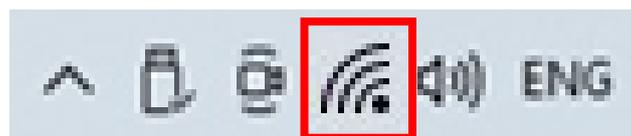
2. For Windows 10 users, click the Network icon  to show the existing Wi-Fi Network (SSID) and select the one you want to connect.



3. Enter the password if it is required.



4. Establish the Wi-Fi connection and you can access the Internet when you see the Wi-Fi icon on the bottom-right corner of the Windows taskbar.



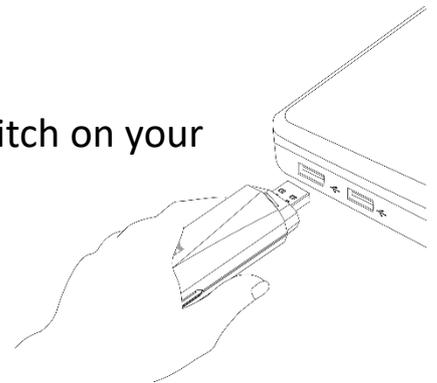
### III. Windows Driver Installation



#### III-1. Insert the USB Adapter

1. Insert the USB adapter into a USB port and then switch on your computer.

 **Never use force to insert the USB adapter.**



#### III-2. Download & Install the Driver

1. You can find the driver from the Edimax website.

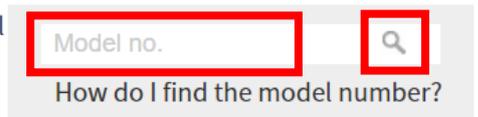
<https://www.edimax.com/download>

 **If your computer can not access the Internet directly, please use an Internet-Enabled device instead.**

2. Enter the model number and then click  to continue.

#### Download

To select your product and find related download materials, enter the model number into the search box on the right side or follow the simple steps below:



3. Click on the model number.

1.



Products > Home > Wireless Adapters > AX1800 > **EW-7822UMX**  
**EW-7822UMX**  
AX1800 Wi-Fi 6 Dual-Band USB 3.0 Adapter



**Ensure the model number corresponds with your USB adapter.**

4. Scroll down the web page and select the right OS version. Move the cursor to the “**Download icon**”  and save the driver on the computer desktop or a location you prefer.



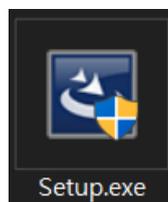
**Ensure you download the right version.**

Title	File Type	File Size	
EW-7822UMX Windows Driver Support OS: Windows 10/11 (Version : 1.0.0.0) 2022-06-27	ZIP	25.69 MB	

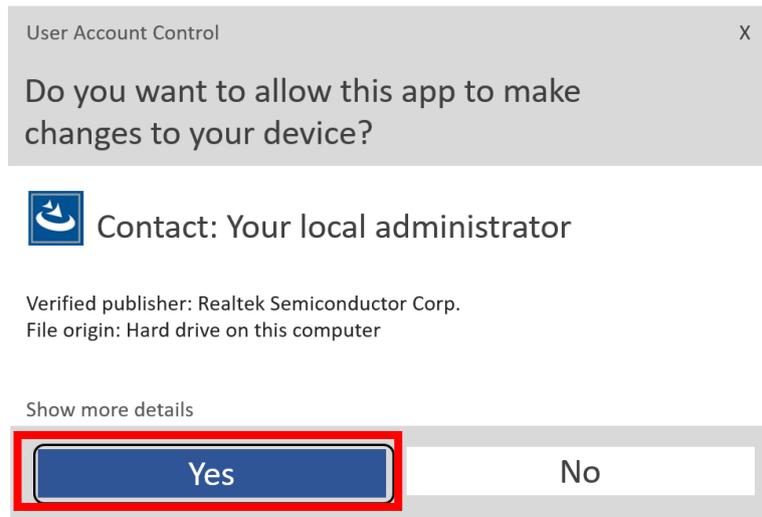


**Copy the driver to the USB flash drive first if you downloaded the driver on another Internet-Enabled device and insert the USB flash drive to the computer you will use the Wi-Fi USB adapter.**

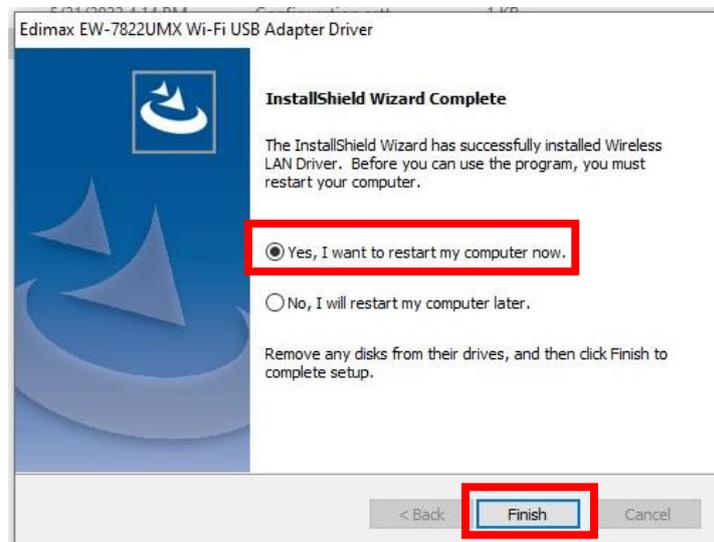
5. Move the cursor to the driver and extract the file. Once it's uncompressed fully, access the folder and click “**Setup.exe**” to continue.



6. Once the installation process starts, click “**Next**” to continue.



7. When the installation is completed, you will be asked to select whether you wish to restart your computer now or later. Select “**Yes**” and click “**Finish**” to continue.



8. Please make sure your computer has been restarted before you go to next step.

### III-3. Connect to a Wi-Fi Network

1. After you restart your computer, the Network icon  will be displayed on the bottom-right corner of the Windows taskbar.

 **Notice that the Network icon might be different depending on your Operating System version.**



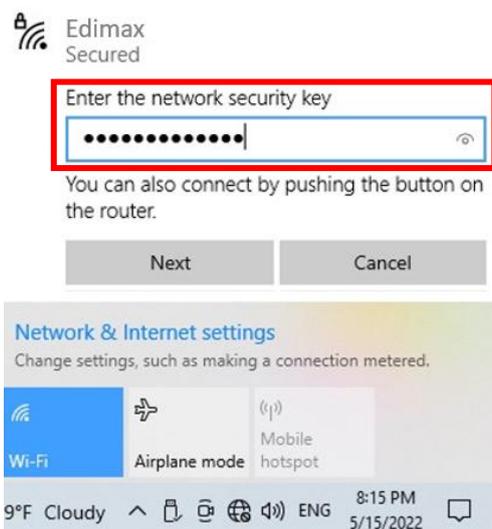
2. For Windows 11 users, click the Network icon  and then click right-arrow icon  to show the existing Wi-Fi Network (SSID) and select one you want to connect. Move to step 4 if a password is required.



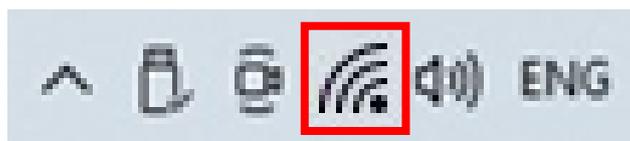
3. For Windows 10 users, click the Network icon  to show the existing Wi-Fi Network (SSID) and select the one you want to connect.



4. Enter the password if it is required.



5. Establish the Wi-Fi connection and you can access the Internet when you see the Wi-Fi icon on the bottom-right corner of the Windows taskbar.



## IV. Advanced Feature

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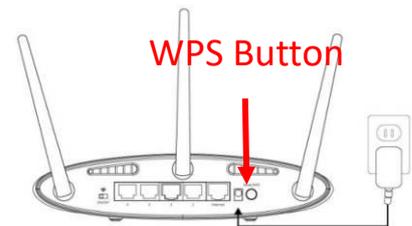
WPS (Wi-Fi Protected Setup) is a simple, alternative way to establish connections between WPS compatible devices when using the Wi-Fi Adapter on a Windows computer. When WPS is activated in the correct manner for two compatible devices, they will automatically connect to each other without a password required.

### V-1. Software WPS

1. To support WPS, driver installation is a prerequisite. Please refer to **section III** to install the driver first.
2. On your Wi-Fi Router or AP, press the WPS button for the correct time length to activate WPS.



***Please check the instructions of your Wi-Fi Router or AP to activate WPS correctly.***



3. On the USB adapter, please refer to **section III-2** and skip “Enter Password” if the procedures are correct.
4. The process takes a while to establish connection. Once it’s done, you can access the Internet right away.

## V. Frequently Asked Question (FAQ)

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### Q1. Why the Network icon doesn't display on the Windows taskbar?

- A. Your computer doesn't support Plug-and-Play for this device. Please go to section III-2, to download and install the driver and try again.

## VI. More Information

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For more information, please visit our website with the following URL or scan the QR code:

<https://www.edimax.com/download>



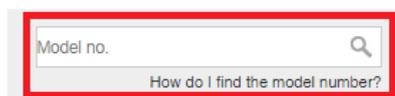
Please search the model number to enter the referred page.

### Download

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To select your product and find related download materials, enter the model number into the search box on the right side or follow the simple steps below:

\*Feel free to contact us anytime if you need help or if you can't find your product.

A screenshot of a search interface. It features a search box with the placeholder text "Model no." and a magnifying glass icon on the right. Below the search box is a link that reads "How do I find the model number?". The entire search box area is highlighted with a red rectangular border.

## ***VII. Safety Instructions***

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The following general safety guidelines are provided to help ensure your own personal safety and protect your product from potential damage. Remember to consult the product user instructions for more details.

- This product is designed for indoor use only.
- Static electricity can be harmful to electronic components. Discharge static electricity from your body (i.e. touching grounded bare metal) before touching the product.
- The device contains no user serviceable parts. Do not attempt to service the product and never disassemble the product.
- Do not spill food or liquid on your product and never push any objects into the openings of your product.
- Do not use this product near water, areas with high humidity, or condensation.
- Keep the product away from radiators and other heat sources.
- This device is not designed to be operated by children.
- Always unplug the product from mains power before cleaning and use a dry lint free cloth only

## ***VIII. Simplified EU Declaration of Conformity***

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Hereby, Edimax Technology declares that the radio equipment type, Wi-Fi USB Adapter, is in compliance with Directive 2014/53/EU, 2014/35/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.edimax.com/download/doc>



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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 Communication Commission (FCC) Radiation Exposure Statement**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for typical lap held operations with the device contacted directly to the human body to the back side of the notebook computer. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

### **Body SAR**

This product meets applicable national SAR limits of 1.6W/kg.

This specific maximum SAR values can be found in the section of this user guide. When carrying the product or using it while worn on your body, maintain a distance of 0.5cm from the body to ensure compliance with RF exposure requirements.

We, Edimax, are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

**ISED Statement:**

This device contains licence-exempt transmitter(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference,
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) L'appareil ne doit pas produire de brouillage;
- (2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification is 1.6 W/kg.

Ces exigences fixent une limite DAS de 1.6 W/kg en moyenne sur un gramme de tissu. La valeur SAR la plus élevée signalée dans le cadre de cette norme lors de la certification du produit est de 1.6 W/kg.

**Radiation Exposure Statement**

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body.

**Déclaration d'exposition aux radiations**

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 0.5 centimètres entre le radiateur et votre corps.

# RED Compliance Statement

## Compliance with 2014/53/EU Radio Equipment Directive (RED)

In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency range (MHz)	Max. Transmit Power (dBm)
2412 - 2472	19.15
5180 - 5240	19.56
5260 - 5320	19.16

A simplified DoC shall be provided as follows: Article 10(9)

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet

address: <http://www.edimax.com/edimax/global/>

This device meets the EU RED requirements on the limitation of exposure of the general public to electromagnetic fields by way of health protection. This device has been tested and meets the ICNIRP exposure guidelines and the European SAR is measured with this device at a separation of 0.5cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 0.5cm away from your body to ensure exposure levels remain at or below the as-tested levels.

For class 2 device (supporting WLAN 5GHz: 5150-5350 MHz)

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK

## 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

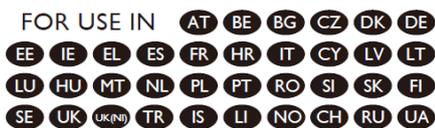
The ETSI version of this device is intended for home and office use in Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, 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 2014/53/EU, 2014/35/EU.
- Français:** Cet équipement est conforme aux exigences essentielles et autres dispositions de la directive 2014/53/EU, 2014/35/EU.
- Čeština:** Toto zařízení je v souladu se základními požadavky a ostatními příslušnými ustanoveními směrnic 2014/53/EU, 2014/35/EU.
- Polski:** Urządzenie jest zgodne z ogólnymi wymaganiami oraz szczególnymi warunkami określonymi Dyrektywą UE 2014/53/EU, 2014/35/EU.
- Română:** Acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 2014/53/UE, 2014/35/UE.
- Русский:** Это оборудование соответствует основным требованиям и положениям Директивы 2014/53/EU, 2014/35/EU.
- Magyar:** Ez a berendezés megfelel az alapvető követelményeknek és más vonatkozó irányelveknek (2014/53/EU, 2014/35/EU).
- Türkçe:** Bu cihaz 2014/53/EU, 2014/35/EU direktifleri zorunlu istekler ve diğer hükümlerle ile uyumludur.
- Українська:** Обладнання відповідає вимогам і умовам директиви 2014/53/EU, 2014/35/EU.
- Slovenčina:** Toto zariadenie spĺňa základné požiadavky a ďalšie príslušné ustanovenia smerníc 2014/53/EU, 2014/35/EU.
- Deutsch:** Dieses Gerät erfüllt die Voraussetzungen gemäß den Richtlinien 2014/53/EU, 2014/35/EU.
- Español:** El presente equipo cumple los requisitos esenciales de la Directiva 2014/53/EU, 2014/35/EU.
- Italiano:** Questo apparecchio è conforme ai requisiti essenziali e alle altre disposizioni applicabili della Direttiva 2014/53/EU, 2014/35/UE.
- Nederlands:** Dit apparaat voldoet aan de essentiële eisen en andere van toepassing zijnde bepalingen van richtlijn 2014/53/EU, 2014/35/EU.
- Português:** Este equipamento cumpre os requisitos essenciais da Directiva 2014/53/EU, 2014/35/EU.
- Norsk:** Dette utstyret er i samsvar med de viktigste kravene og andre relevante regler i Direktiv 2014/53/EU, 2014/35/EU.
- Svenska:** Denna utrustning är i överensstämmelse med de väsentliga kraven och övriga relevanta bestämmelser i direktiv 2014/53/EU, 2014/35/EU.
- Dansk:** Dette udstyr er i overensstemmelse med de væsentligste krav og andre relevante forordninger i direktiv 2014/53/EU, 2014/35/EU.
- suomen kieli:** Tämä laite täyttää direktiivien 2014/53/EU, 2014/35/EU. 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 Radio Equipment directives.

**Equipment: AX1800 Dual-Band USB 3.0 Adapter**  
**Model No.: EW-7822UMX**

The following European standards for essential requirements have been followed:

### Directives 2014/53/EU

Spectrum : EN 300 328 V2.2.2 (2019-07)  
EN 301 893 V2.1.1 (2017-05)  
EMC : EN 301 489-1 V2.2.3 (2019-11)  
EN 301 489-17 V3.2.4 (2020-09)  
EMF : EN 55032:2015+A11:2020 Class B  
EN 55035:2017+A11:2020  
Safety (LVD) : IEC 62368-1:2014 (2<sup>nd</sup> Edition) and/or EN 62368-1:2014+A11:2017

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5652 AE Eindhoven,  
The Netherlands

Date & Place of Issue: 31/August/2022, Eindhoven

Signature:



Printed Name: David Huang

Title: Director

a company of:

Edimax Technology Co., Ltd.  
No. 278, Xinhua 1st Rd., Neihu Dist.,  
Taipei City, Taiwan

Date & Place of Issue: 31/August/2022, Taipei

Signature:



Printed Name: Hunter Chen

Title: Director



## Declaration of Conformity

We, Edimax Technology Co., Ltd., declare under our sole responsibility, that the equipment described below complies with the requirements of the United Kingdom Radio Equipment directives.

**Equipment: AX1800 Dual-Band USB 3.0 Adapter**  
**Model No.: EW-7822UMX**

The following European standards for essential requirements have been followed:

### Radio Equipment Regulations 2017 (S.I. 2017/1206)

Spectrum : EN 300 328 V2.2.2 (2019-07)  
                  EN 301 893 V2.1.1 (2017-05)  
EMC : EN 301 489-1 V2.2.3 (2019-11)  
          EN 301 489-17 V3.2.4 (2020-09)  
EMF : EN 55032:2015+A11:2020 Class B  
          EN 55035:2017+A11:2020  
Safety (LVD) : IEC 62368-1:2014 (2<sup>nd</sup> Edition) and/or EN 62368-1:2014+A11:2017

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5652 AE Eindhoven,  
The Netherlands

Date & Place of Issue: 31/August/2022, Eindhoven

Signature: 

Printed Name: David Huang

Title: Director

a company of:

Edimax Technology Co., Ltd.  
No. 278, Xinhua 1st Rd., Neihu Dist.,  
Taipei City, Taiwan

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Signature: 

Printed Name: Hunter Chen

Title: Director

