ΣDiMAX

NETWORKING PEOPLE TOGETHER

EW-7833AXP

User Manual

08-2022 / V1.0

Contents

I. Product Information

I-1.   Package Contents
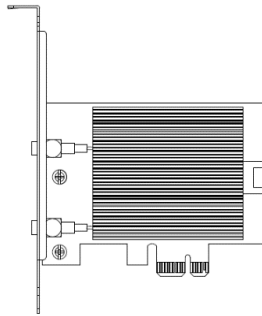
PCIe Adapter
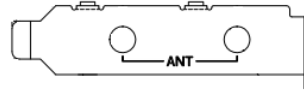
**Low Profile
Bracket**
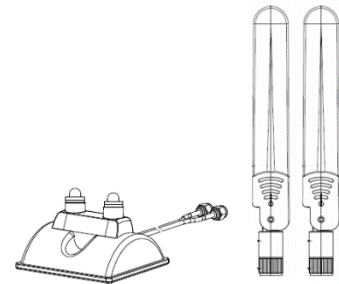
**External Antenna Set
(with Base)**
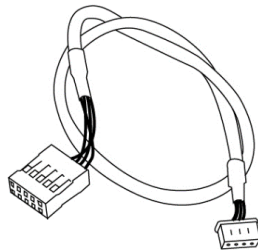
**USB Bluetooth Header
Connector Cable (9-pin to 4-pin)**

Quick Installation Guide

I-2.   Hardware Overview

**Standard Profile
Bracket**

**Wi-Fi Antenna
Connector**

Bluetooth Port

PCI-E (X1/X4)
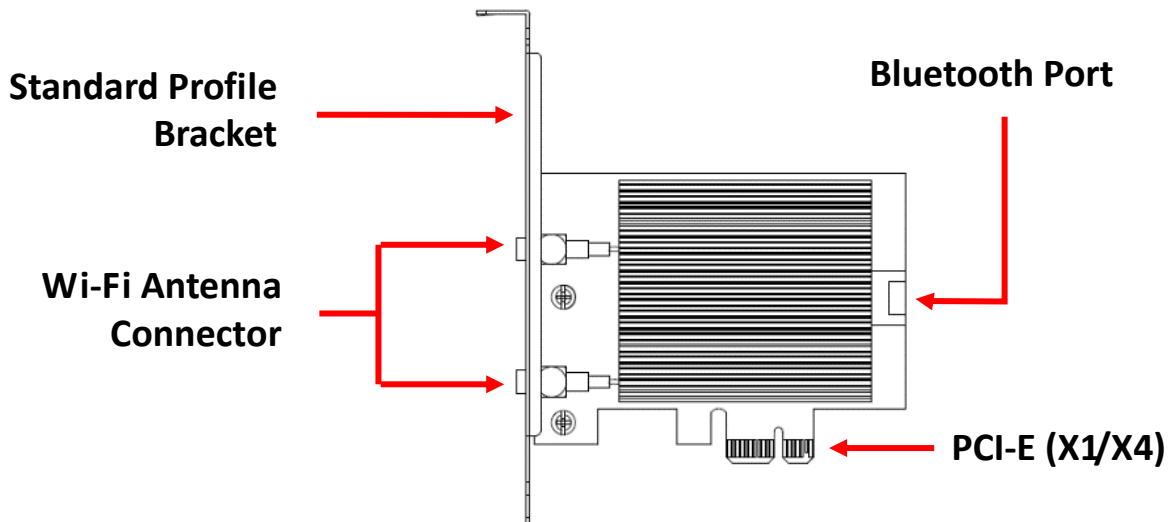
I-3.   Supported System

- Windows 10/11
- Linux

* Additional version information may be announced on the EDIMAX website.

II. Windows Driver Installation

Insert   Download & Install Driver   Connect or Pair

II-1.   Insert the PCIe Adapter

1. Before inserting the PCIe Adapter, turn off your computer and unplug the power cord. Once the computer is power off, remove the case panel.

⚠ *Ensure the power is off before you move to the next step.*
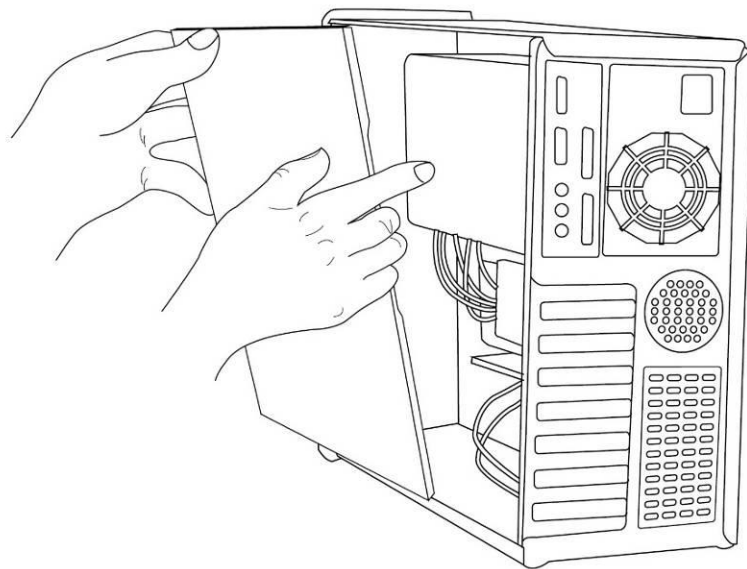
2. Insert the PCIe adapter into the desktop PCIe slot. To use the Bluetooth function, connect the included USB Bluetooth header connector cable to the mother board and PCIe adapter respectively.
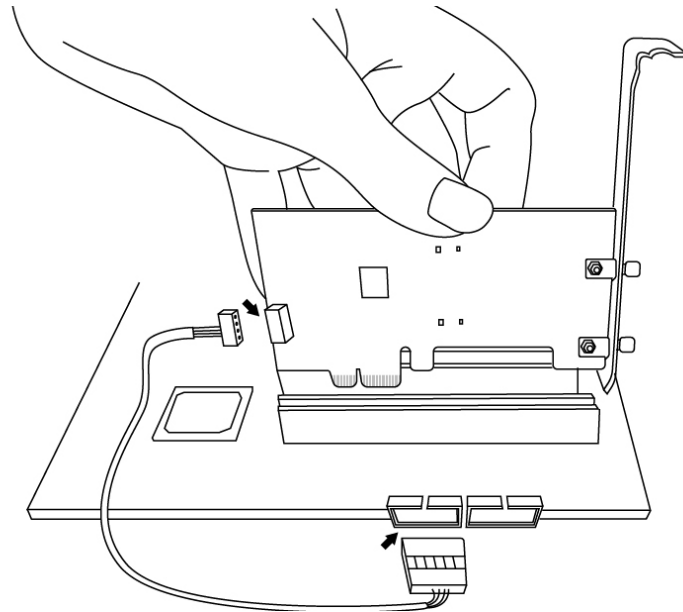
3. There are two ways to connect the external antennas.

A.   Connect the antennas to the PCIe Adapter directly.

B.   Connect the external antennas with the included magnetic antenna base.

A.

B.
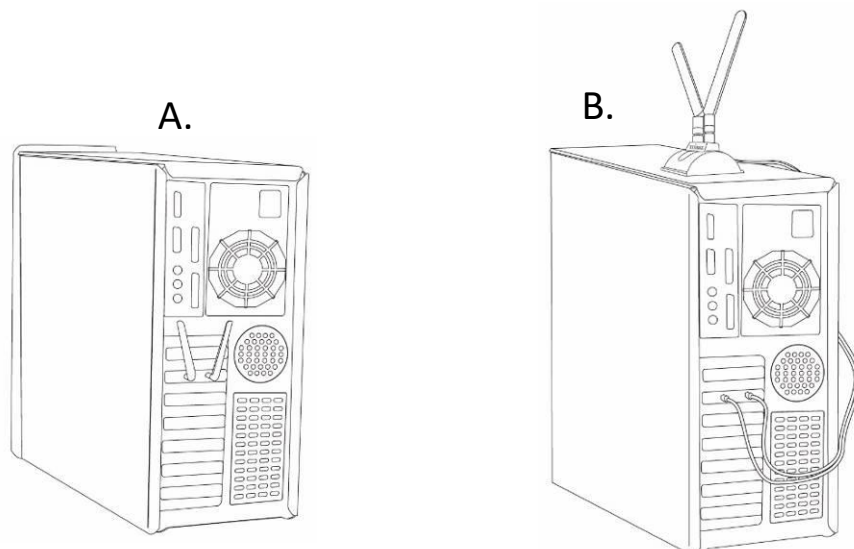
4. Reattach the case panel and power on your computer.

II-2.   Download the Driver

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

https://www.edimax.com/download
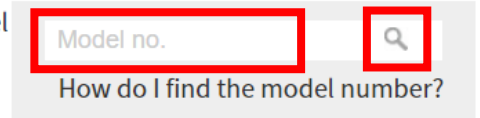
⚠️ *If your computer can not access the Internet directly, please use an Internet-Enabled device instead.*

2. Enter the model number and 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:

Model no.	🔍

How do I find the model number?

3. Click on the model number.

1.
Products > Home > Wireless Adapters > AX3000 > **EW-7833AXP**

EW-7833AXP

AX3000 Wi-Fi 6 Dual Band 802.11ax & Bluetooth 5.0 PCI Express Adapter

⚠️ *Ensure the model number corresponds with your PCIe adapter.*

4. Scroll down the web page and select the 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-7833AXP Windows Driver Version 1.0.1 Support OS:Windows 10/11 Bluetooth & Wi-Fi (Version : 1.0.1) 2022-01-20	ZIP	47.73 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.

II-3.   Connect or Pair

II-3-1. Wi-Fi Connection

II-3-2-1.   Wi-Fi Driver Installation

1. To install the Wi-Fi, once it's uncompressed fully, access the folder "**WiFi**" and click "**WirelessSetup**" to continue.

> ⚠️ *Notice that both Wi-Fi and Bluetooth drivers are in the same filename but in different folders.*

2. Once the installation process starts, click "**Next**" to continue.
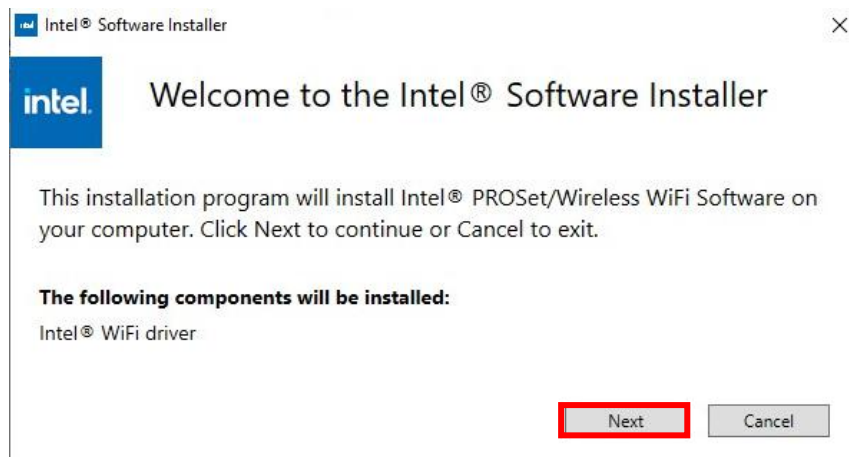
3. Read the License Agreement carefully. If you want to use the PCIe adapter, you must click on the "**Checkbox**" and then click "**Instal**l".

4. When the Wi-Fi installation is completed, click "**Finish**".
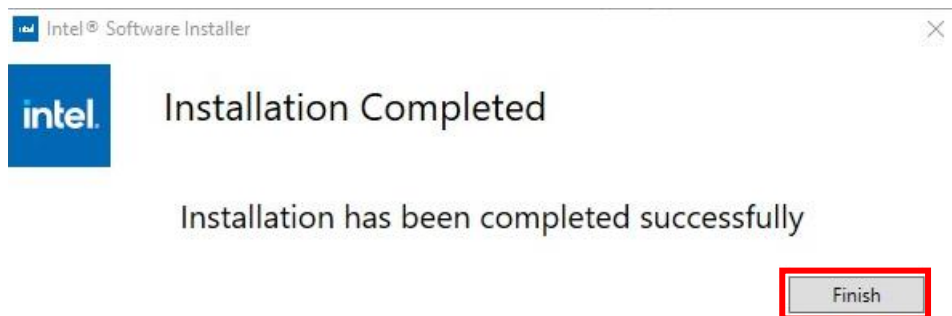
5. Please make sure your computer has been restarted before you go to next step.

II-3-2-2. Connect to a Wi-Fi Network

1. After you restart your computer, the Network icon ⊕ will be displayed on the right-bottom 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 the right-arrow icon ⟩ to show the existing Wi-Fi Network (SSID) and select the 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.
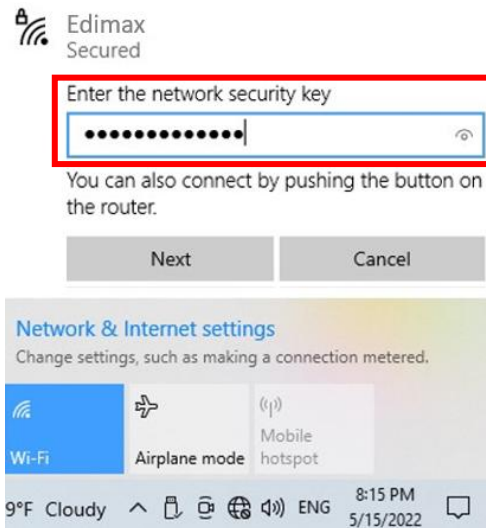
5. The Wi-Fi connection is established and you can access Internet when you see the Wi-Fi icon on the bottom-right corner of the Windows taskbar.

II-3-2. Bluetooth Pairing

II-3-2-1.   Bluetooth Driver Installation

1. To install the Bluetooth, once it's uncompressed fully, access the folder "**BT**" and click "**WirelessSetup**" to continue.
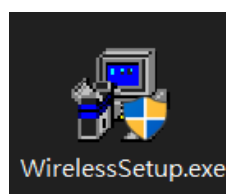
2. Once the installation process starts, click "**Next**" to continue.
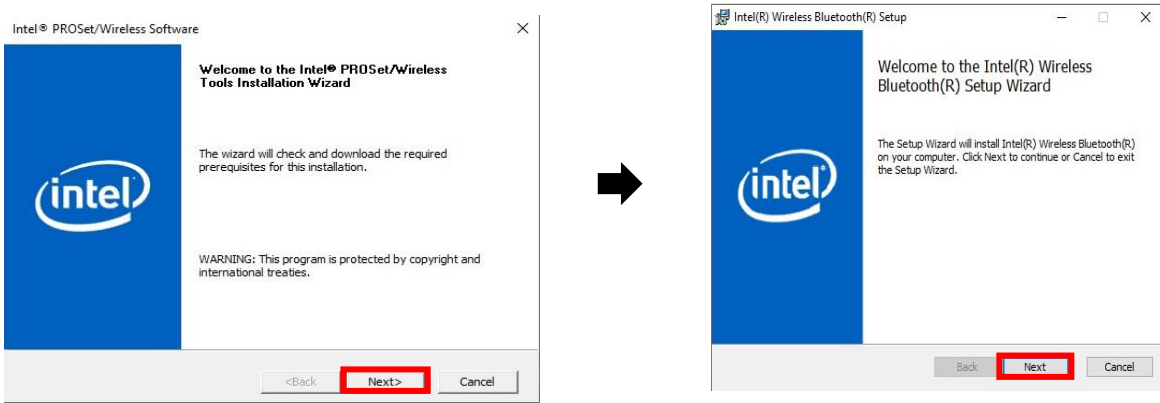
3. Read the License Agreement carefully. If you want to use PCIe adapter, you must click on "**Checkbox**" and then click "**Next**".
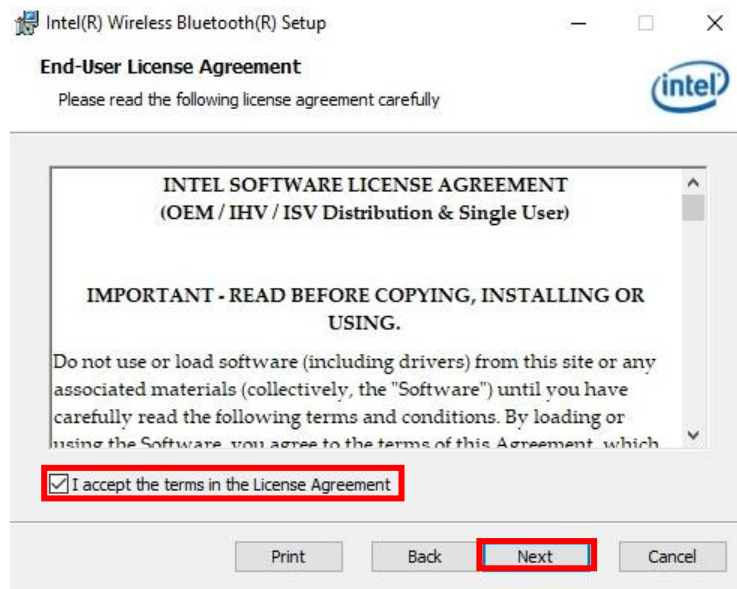
4. For the most common program features, recommend "**Typical**" for most users. Click "**Next**" to continue.
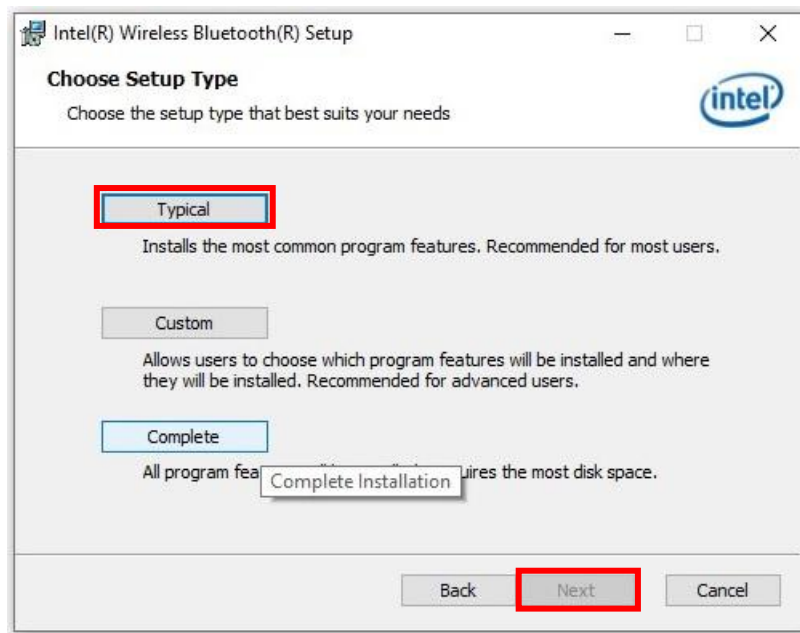
5. When the Bluetooth installation is completed, click "**Finish**".

⚠️ *You need to restart your computer to ensure make Bluetooth connection work properly.*

II-3-2-2.　Pair with the Bluetooth Device

1. Click the Bluetooth icon displayed on the bottom-right taskbar to pop up the menu. (If the Bluetooth icon doesn't appear, refer to III. FAQ -> Q2)

> ⚠️ *Notice that if the Bluetooth icon does not show up, click the arrow-up icon.*

> ⚠️ *To activate Bluetooth without problems, please disable all existing Bluetooth devices first. (Refer to III. FAQ ->Q1).*
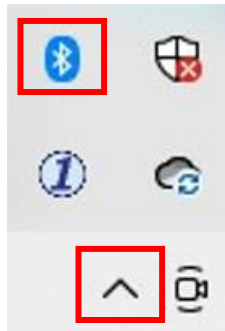
2. Click "**Add a Bluetooth Device**".
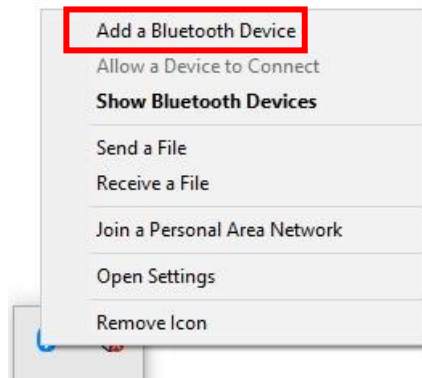
3. Select the existing Bluetooth devices from the list or click "**Bluetooth & other devices**" to add a new Bluetooth device.
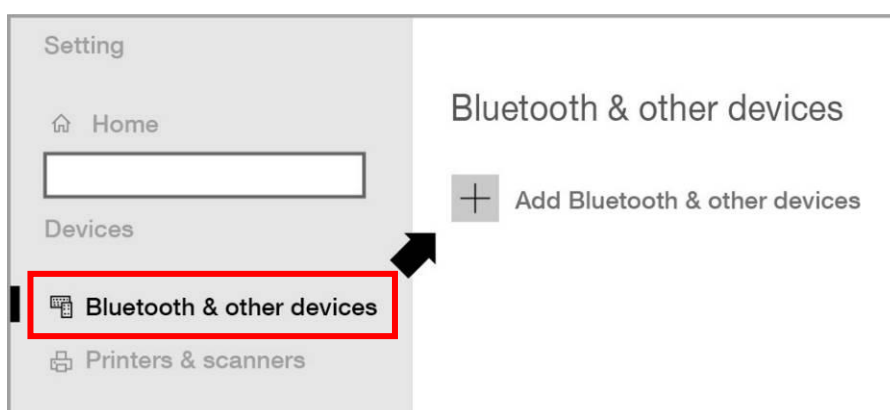
4. Select the Bluetooth device in "**Paired**" status you want to pair with and click "**Connect**".
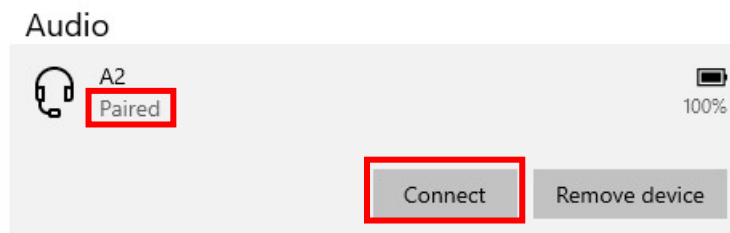
5. Once the status is "**Connected**", the connection is established.
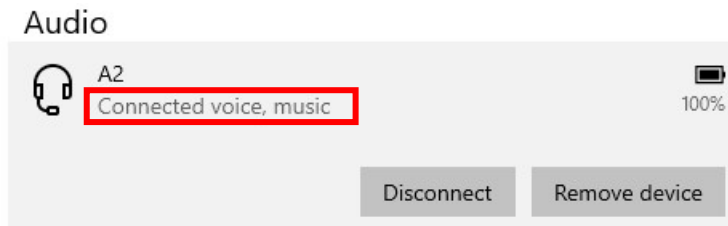
III. Frequently Asked Question (FAQ)

Q1. How to disable the existing Bluetooth device?

A. Right-click the Windows **Start** button ⊞ , and select the "**Device Manager**". Expand all the Bluetooth devices. Right-click on target device and disable the bluetooth device one by one.
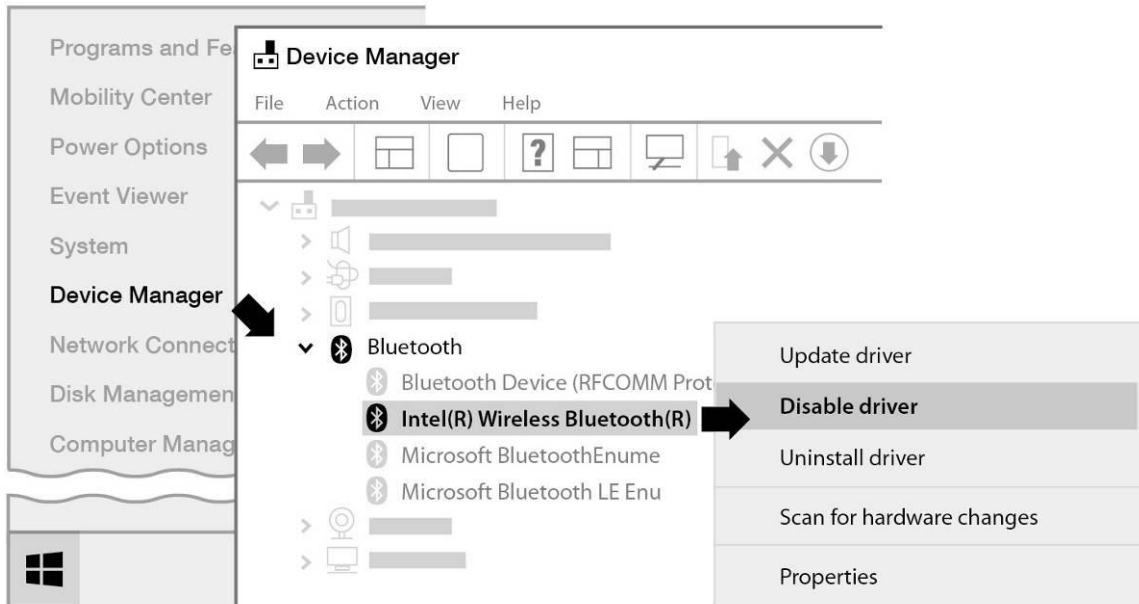
Q2. Why doesn't the Bluetooth icon display on the Windows taskbar?

A1. Click Windows **Start** button ⊞ , and click "**Setting**" ⚙ , select "**Device and other setting**", and set the stauts as "**On**" to enable the bluetooth service.
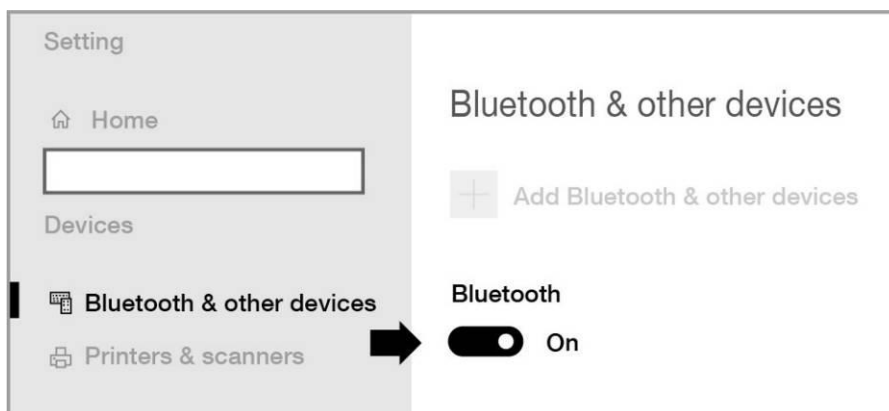
A2. If the Bluetooth icon still doesn't appear, you may need to install the driver and try again. Please go to section III-2, to download and install the driver and try again.

IV.   More Information

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

https://www.edimax.com/download
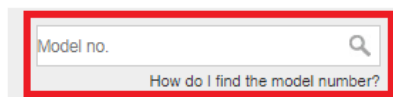
Please search the model number to enter the referred page.

Download

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.

Model no.

How do I find the model number?

V. Safety Instructions

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

VI. Simplified EU Declaration of Conformity

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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The product you have purchased and the setup screen may appear slightly different from those shown in this QIG. The software and specifications are subject to change without notice. Please visit our website www.edimax.com for updates. All brand and product names mentioned in this manual are trademarks and/or registered trademarks of their respective holders.

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	UK(NI)

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

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 device is restricted to *indoor* use.

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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

Canada, Innovation, Science and Economic Development Canada (ISED) Notices

This device contains licence-exempt transmitter(s)/receiver(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.

Avis du Canada, Innovation, Sciences et Développement économique Canada (ISED)

L'émetteur/récepteur 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.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c.-à-utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer des interférences et / ou endommager les appareils LE-LAN.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Le dispositif de fonctionnement dans la bande 5150-5250 MHz est uniquement pour une utilisation à l'intérieur de l'intérieur afin de réduire le potentiel d'interférences nuisibles aux systèmes de satellites mobiles co-canaux.

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)
2402-2480 (BT+BLE)	14.11
2412-2472 (Wi-Fi)	19.88
5180-5320	20.78
5500-5700	21.76

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

Hereby, Edimax Technology Co., Ltd. declares that the radio equipment type **AX3000 Dual band PCI-E Network Adapter** 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 Standard EN 62311 SAR is measured with this device at a separation of 20cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Carry this device at least 20cm 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.

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 cerinţele esenţiale şi 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 requesitos essênciais 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 (AT) (BE) (BG) (CZ) (DK) (DE)
(EE) (IE) (EL) (ES) (FR) (HR) (IT) (CY) (LV) (LT)
(LU) (HU) (MT) (NL) (PL) (PT) (RO) (SI) (SK) (FI)
(SE) (UK) (UK(NI)) (TR) (IS) (LI) (NO) (CH) (RU) (UA)

CE FC ⏚R-NZ EHC

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: AX3000 Dual band PCI-E Network Adapter
      Model No.:   EW-7833AXP

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)
		EN 300 400 V2.1.1 (2017-03)
EMC	:	EN 55032:2015+AC:2016
		EN 55035:2017
		EN 301 489-1 V2.1.1 (2017-02)
		EN 301 489-17 V3.1.1 (2017-02)
EMF	:	EN 62311:2008
Safety(LVD)	:	EN 62368-1:2014+A11:2017

<table>
<tr><td>Edimax Technology Europe B.V.</td><td>a company of:</td></tr>
<tr><td>Fijenhof 2,</td><td>Edimax Technology Co., Ltd.</td></tr>
<tr><td>5652 AE Eindhoven,</td><td>No. 278, Xinhu 1st Rd., Neihu Dist.,</td></tr>
<tr><td>The Netherlands</td><td>Taipei City, Taiwan</td></tr>
<tr><td>Date & Place of Issue: 31/August/2022, Eindhoven</td><td>Date & Place of Issue: 31/August/2022, Taipei</td></tr>
<tr><td>Signature:</td><td>Signature:</td></tr>
<tr><td>Printed Name: David Huang</td><td>Printed Name: Hunter Chen</td></tr>
<tr><td>Title: Director</td><td>Title: Director</td></tr>
</table>

C E

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:** AX3000 Dual band PCI-E Network Adapter
> **Model No.:** EW-7833AXP

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)
		EN 300 400 V2.1.1 (2017-03)
EMC	:	EN 55032:2015+AC:2016
		EN 55035:2017
		EN 301 489-1 V2.1.1 (2017-02)
		EN 301 489-17 V3.1.1 (2017-02)
EMF	:	EN 62311:2008
Safety(LVD)	:	EN 62368-1:2014+A11:2017

Edimax Technology Europe B.V.

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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, Xinhu 1st Rd., Neihu Dist.,

Taipei City, Taiwan

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

Signature:

Printed Name: Hunter Chen

Title: Director

UK CA