Wi-Fi 7

WLAN Bluetooth PCI Express Adapter

Before You Start

a. Ensure that your operating system meets the compatibility requirements:
- Supported operating system: Windows 11 (64bit)

   Note: If you are using Windows 11 version 22H2 or earlier, install the necessary patches or consider upgrading your operating system for the adapter to function properly. For more information, please refer to: https://www.tp-link.com/support/faq/4367/

- Supported MLO operating system: Windows 11 (Version 24H2 and later)

b. Make sure your Router or Access Point supports the Wi-Fi 7 standard.

c. If you plan on using Bluetooth and already have connected Bluetooth devices, proceed with Step 1. Otherwise, skip to Step 2.

## 1 Disable Bluetooth

a. Right-click My Computer, select Manage, go to Device Manager.

b. Expand the Bluetooth node to find your existing Bluetooth device.

c. Right-click the existing Bluetooth device and select Disable.

**Note:** Make sure you have disabled all existing Bluetooth devices (both built-in and third party).

⚙ Device Manager

˅ 🅱 Bluetooth
  🅱 Existing Bluetooth Adapter
   **Disable**
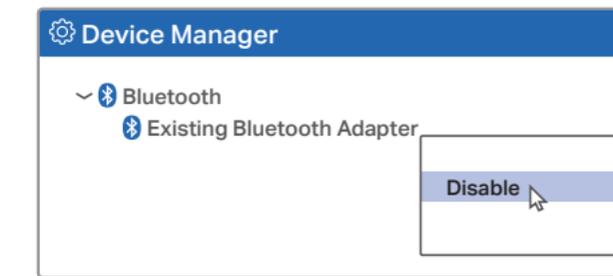
2 Connect to a Computer

a. Turn off your computer, unplug the power cable, and then remove the case panel.

b. Connect the provided Bluetooth USB cable to the adapter.

Adapter

Bluetooth USB Cable
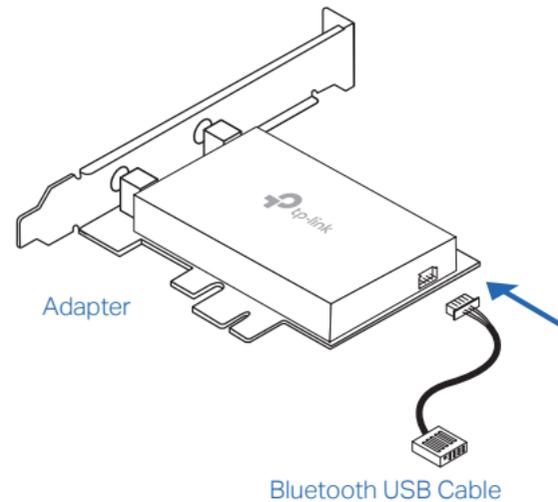
c. Locate an available PCIE slot (X1, X4, X8, or X16) and carefully insert the adapter.

Note: If the bracket is not suitable for your computer, detach it from the adapter's board and replace it with the low-profile bracket.
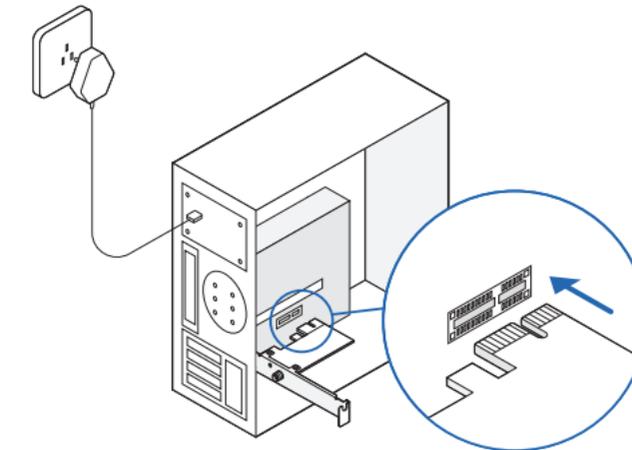

d. Locate an available F_USB connector and carefully plug the Bluetooth USB cable into it.

Note: If the Bluetooth USB cable is not correctly connected to the motherboard, the Bluetooth function won't work even after driver installation.
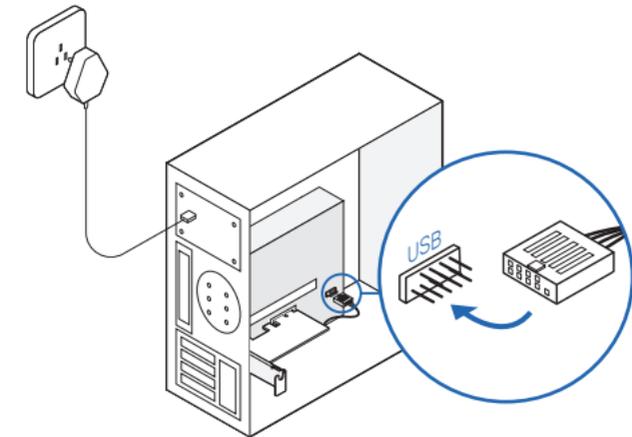
e. Install the antennas on the magnetized antenna base, then connect the base to the adapter.

Tips:
- To maximize performance, make sure the path between the antenna and your router is clear.
- **DO NOT** connect two SMA male connectors directly using wires or other conductors, as this may cause short circuits or damage the adapter.

SMA Male Connectors
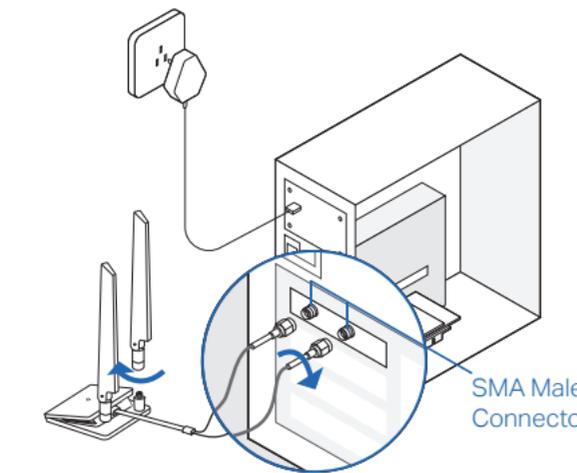
f. Replace the case panel, plug in the power cable, and turn on your computer.
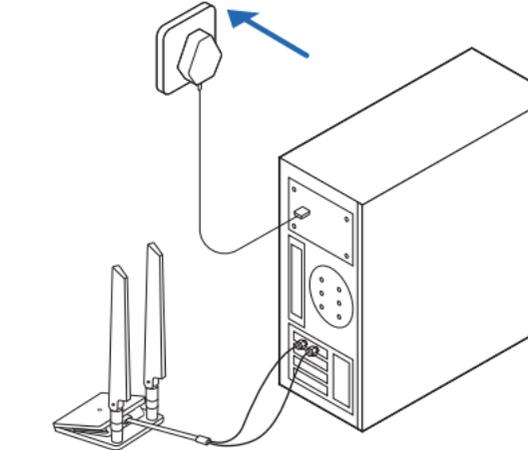
3 Install Drivers

a. Insert the provided USB drive into your computer and go to My Computer or This PC.

Tip: You can also check for new releases and download the latest drivers at https://www.tp-link.com/support/download/

b. Double-click the TP-Link CD to run the installation program.

c. Install the Wi-Fi and Bluetooth drivers.

① Wi-Fi: Click 🖥 and follow the on-screen instructions to complete the Wi-Fi installation.

② Bluetooth: Click 🖥 and follow the on-screen instructions to complete the Bluetooth installation.

Note:
• If an unknown publisher message pops up, select Yes to continue.
• If Windows User Account Control requires admin credentials, type the user name and password of your Windows administrator account.

4 Join a Wireless Network

a. Click the network icon on the taskbar (the icon might look like one of these: 🖥 📡 📶 or ⊕).

b. Select your Wi-Fi network, click Connect, and enter the password when prompted.

```
📶 TP-Link_XXXX
    Secured
                              Connect

Network settings
```

5 Pair with Bluetooth Devices

a. Right-click the ❋ (Bluetooth) icon on the taskbar. If it's not displayed, turn on Bluetooth in your PC settings first.
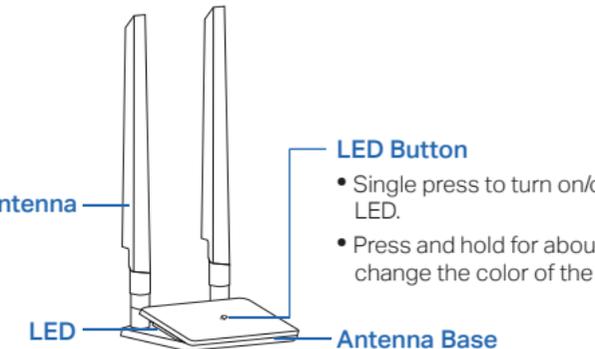
b. Select Add a Bluetooth Device or Add a Device to scan for available devices.

c. Select your Bluetooth device from the list and follow the on-screen instructions to complete pairing.

Note: Make sure your device's Bluetooth is enabled and discoverable.

```
📱  Anna's Phone
                              Pair

📱  Jack's Pad

🖱  Mouse
```

Appearance

Antenna

LED

LED Button
• Single press to turn on/off the LED.
• Press and hold for about 2s to change the color of the LED.

Antenna Base

LED Explanation

LED Status	Description
Breathing	Not connected to Wi-Fi yet.
Solid	Connected to a 2.4/5/6 GHz Wi-Fi network.
Spectrum	Connected to an MLO Wi-Fi network.
Off	The adapter is not working properly. Refer to Q5 for troubleshooting.

Need Help?

Q1. What should I do if the adapter is not detected?
A1. Make sure the adapter is securely located in the appropriate PCI-E slot.
A2. Try a different PCI-E slot on the computer.
A3. Make sure you use the latest driver for your specific adapter. The latest drivers can be found on the product's Support page at https://www.tp-link.com
A4. Try restarting the computer or try the adapter on a different computer.

Q2. How can I verify if the drivers were installed successfully?
A1. Please follow these steps to check if you installed the driver for your TP-Link adapter successfully:
• Step 1. Right-click My Computer or This PC on your computer and select Manage. Or click the Windows Button and type 'Device Manager' in the search bar (usually in the bottom-left corner of the Desktop), and click Device Manager.
• Step 2. Locate Network Adapters or Bluetooth and find the relevant TP-Link adapters.
• Step 3. Right-click the adapter and select Properties. If you see 'This device is working properly' in the Device Status box, then you have already installed the driver successfully.

Q3. What should I do if I can't connect to the Wi-Fi after installing the driver?

A1. Refer to Q1 to check if the adapter is detected.
A2. Refer to Q2 to check if you have installed the drivers for your adapter successfully.
A3. Disable your antivirus software and firewall, then try again.
A4. Reinstall the driver and try again.

Q4. What should I do if the Bluetooth icon doesn't appear?
A1. Make sure you have turned on the Bluetooth in your Windows settings. To enable Bluetooth, go to Start > Settings > Devices > Bluetooth & other devices and turn on Bluetooth.
A2. Make sure there are no other Bluetooth devices on the computer. If there are, disable all existing Bluetooth devices in Device Manager, then reinstall the adapter and try again.
Tip:
To access Device Manager: Right-click My Computer or This PC, select Manage, go to Device Manager, and disable all existing Bluetooth devices.

Q5. What do I do when the LEDs on the antenna base are off?
A1. Make sure the magnetized antenna base is properly connected to the adapter.
A2. Refer to Q1 to check if the adapter is detected.
A3. Refer to Q2 to check if you have installed the driver for your adapter successfully.
A4. Ensure that the two SMA male connectors on the adapter

are not in contact with any other metal parts or conductors to prevent short circuits.
A5. Locate the network icon (the icon might look like one of these: 🖥 📡 📶 or ⊕) in the bottom-right corner of your desktop on your computer and make sure you have enabled the Wi-Fi Radio signal. If not, click the network icon and select the Wi-Fi button to turn on the Wi-Fi.
A6. Single press the LED button to turn on the LED.

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Need more help?
Visit https://www.tp-link.com/support,
for technical support, replacement services,
user guides, and other information;
or simply scan the QR code.
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Safety Information

· Keep the device away from water, fire, humidity or hot environments.
· Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
· Do not use the device where wireless devices are not allowed.
· This equipment can be powered only by equipments that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2011 /65/EU and (EU) 2015/863.
The original EU Declaration of Conformity may be found at https://www.tp-link.com/en/support/ce
TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.
The original UK Declaration of Conformity may be found at https://www.tp-link.com/support/ukca