

[Manuals.plus](#) /

› [WAVLINK](#) /

› WAVLINK AX5400 USB WiFi 6E Adapter User Manual

WAVLINK WN695X2

WAVLINK AX5400 USB WiFi 6E Adapter User Manual

Model: WN695X2

[Introduction](#)

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. INTRODUCTION

The WAVLINK AX5400 USB WiFi 6E Adapter (Model WN695X2) is designed to provide high-speed, tri-band wireless connectivity for your desktop PC or laptop. Utilizing the latest WiFi 6E (802.11ax) standard, this adapter offers enhanced performance across 2.4GHz, 5GHz, and 6GHz frequency bands, ensuring a stable and fast internet experience.



Image: WAVLINK AX5400 USB WiFi 6E Adapter, showcasing its design with four external antennas and a USB cable.

Key Features:

- **AX5400 Tri-Band Speed:** Delivers speeds up to 573Mbps on 2.4GHz, 2402Mbps on 5GHz, and 2402Mbps on 6GHz.
- **WiFi 6E Standard:** Supports 802.11ax technology with OFDMA, MU-MIMO, and 1024QAM for efficient data transmission.
- **Universal Compatibility:** Fully compatible with Windows 10/11 operating systems and works seamlessly with any WiFi 6E or WiFi 6 router/mesh system.
- **Built-in Drivers:** Features built-in drivers for easy installation, eliminating the need for manual driver downloads.
- **Flexible Usage:** Includes a 1-meter USB 3.0 cable for flexible positioning to optimize signal reception.
- **Enhanced Signal:** Equipped with four high-gain 5dBi rotatable antennas for improved signal strength and coverage.
- **Ambient Light:** Touch-sensitive control to turn the ambient light on or off.

Package Contents:

- 1 x USB WiFi 6E Adapter (WN695X2)
- 1 x USB 3.0 Cable
- 1 x User Manual



Image: The WAVLINK AX5400 USB WiFi 6E Adapter, USB 3.0 cable, and user manual as included in the package.

2. SETUP GUIDE

Follow these steps to install and configure your WAVLINK AX5400 USB WiFi 6E Adapter.

Step 1: Connect the Adapter

1. Connect one end of the provided USB 3.0 cable to the USB-C port on the WAVLINK AX5400 adapter.
2. Plug the other end of the USB 3.0 cable into an available USB 3.0 port on your desktop PC or laptop. For optimal performance, use a blue-colored USB 3.0 port.

Effortless to Use

1

Insert the adapter into the USB port of your PC/laptop



2

Find the "CD Drive" in "This PC"



3

Double click the "CD Drive" and install the driver according to the instruction



Image: Visual guide for connecting the adapter and initiating driver installation.

Step 2: Driver Installation (Windows 10/11)

The WAVLINK AX5400 adapter features built-in drivers for Windows 10 and Windows 11, simplifying the installation process.

- **Automatic Installation:** In most cases, your operating system will automatically detect the adapter and install the necessary drivers upon connection.
- **Manual Installation (if needed):** If the drivers do not install automatically, the adapter creates a virtual CD drive.
 - a. Open 'This PC' or 'File Explorer'.
 - b. Locate and double-click the 'CD Drive' icon (often labeled 'WAVLINK' or similar).
 - c. Follow the on-screen instructions to complete the driver installation.

Step 3: Verify Installation

To confirm that the adapter is correctly installed:

1. Right-click the Start button and select 'Device Manager'.
2. Expand 'Network adapters'.
3. Look for an entry such as 'Realtek 8832CU Wireless LAN WiFi 6 USB NIC'. Its presence indicates successful driver installation.

Step 4: Connect to a Wi-Fi Network

1. Click on the Wi-Fi icon in your system tray (bottom-right corner of the screen).
2. Select your desired Wi-Fi network from the list of available networks.
3. Enter the network security key (password) if prompted, then click 'Connect'.
4. **Optional:** If you have a built-in Wi-Fi adapter, you may disable it in 'Network Connections' (accessible via 'Change adapter options' in Wi-Fi settings) to ensure your system uses the WAVLINK adapter.

3. OPERATING INSTRUCTIONS

The WAVLINK AX5400 adapter supports two primary operating modes:

Receive Mode (Station Mode)

In Receive Mode, the adapter functions as a client, connecting your computer to an existing wireless network provided by a router. This is the standard mode for accessing the internet.

- Ensure the adapter is connected and drivers are installed.
- Connect to your Wi-Fi network as described in the Setup Guide.

Soft AP Mode (Launch Mode)

Soft AP Mode allows the adapter to create a Wi-Fi hotspot, sharing your computer's internet connection with other devices like smartphones, tablets, or other laptops.

- To enable Soft AP Mode, access your network settings (usually through the Wi-Fi settings or Network and Sharing Center).
- Look for options related to 'Mobile hotspot' or 'Create a Wi-Fi hotspot'.
- Configure the network name (SSID) and password for your new hotspot.



Image: Illustration of Receive Mode and Launch Mode functionality.

Antenna Adjustment

The adapter is equipped with four rotatable 5dBi high-gain antennas. Adjusting their position can significantly impact signal strength and coverage.

- Experiment with different antenna angles to find the optimal position for your environment. Generally, pointing them upwards or slightly outwards can improve reception.
- Avoid placing the adapter near obstructions or other electronic devices that may cause interference.



Image: The adapter's quad high-gain antennas and their role in increasing reception range.

Ambient Light Control

The adapter features an ambient light for visual indication. To control this light:

- Gently touch the top surface of the adapter to toggle the ambient light on or off.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your WAVLINK AX5400 USB WiFi 6E Adapter.

- **Driver Updates:** Regularly check the official WAVLINK website (www.wavlink.com) for the latest driver updates. Keeping your drivers current can improve performance, stability, and security.
- **Physical Cleaning:** Keep the adapter clean and free from dust. Use a soft, dry cloth to wipe the exterior. Ensure the ventilation grilles are not blocked.
- **Cable Care:** Avoid bending or kinking the USB 3.0 cable excessively. Store the cable neatly when not in use to prevent damage.

- **Environmental Conditions:** Operate the adapter within recommended temperature and humidity ranges. Avoid exposing it to extreme heat, cold, or moisture.

5. TROUBLESHOOTING

If you encounter issues with your WAVLINK AX5400 USB WiFi 6E Adapter, refer to the following common problems and solutions:

Problem: No Wi-Fi Connection or Slow Speeds

- **Check USB Connection:** Ensure the adapter is securely plugged into a functioning USB 3.0 port. Try a different USB 3.0 port if available.
- **Driver Verification:** Confirm that the drivers are correctly installed in Device Manager (refer to Setup Guide). If not, reinstall them.
- **Network Key:** Double-check that you have entered the correct Wi-Fi network security key (password).
- **Antenna Position:** Adjust the four rotatable antennas to optimize signal reception.
- **Disable Other Adapters:** If your computer has a built-in Wi-Fi adapter, temporarily disable it in 'Network Connections' to prevent conflicts.
- **Router Compatibility:** Ensure your wireless router supports WiFi 6E or WiFi 6 standards for the adapter to achieve its maximum potential speeds.
- **Interference:** Move the adapter away from other electronic devices (e.g., microwaves, cordless phones) that might cause wireless interference.

Problem: Ambient Light Not Working

- **Touch Control:** Gently touch the top surface of the adapter to toggle the ambient light on or off.
- **Power Supply:** Ensure the adapter is receiving sufficient power from the USB port.

Problem: Adapter Not Detected by Computer

- **Restart Computer:** Perform a full restart of your computer.
- **Try Different Port:** Plug the adapter into another USB 3.0 port.
- **Manual Driver Install:** If the virtual CD drive appears, attempt a manual driver installation.

6. SPECIFICATIONS

Feature	Description
Model	WN695X2
Wireless Standard	IEEE 802.11ax (WiFi 6E)
Frequency Bands	Tri-Band (2.4GHz, 5GHz, 6GHz)
Data Transfer Rate	2.4GHz: Up to 573Mbps 5GHz: Up to 2402Mbps 6GHz: Up to 2402Mbps Total AX5400
Antennas	Four (4) 5dBi High-Gain Rotatable Antennas
Interface	USB 3.0 Type-A (backward compatible with USB 2.0)

Feature	Description
Compatibility	Windows 10/11 (64-bit only)
Wireless Security	WPA2-PSK, WPA3-PSK
Advanced Features	OFDMA, MU-MIMO, 1024QAM, Beamforming
Chipset	Realtek
Cable Length	1 meter (3.28 ft) USB 3.0 cable
Item Weight	1.17 pounds
Package Dimensions	10.67 x 9.13 x 1.54 inches



USB 3.0 Transmission

10X faster transfer rate than USB2.0



Image: The Realtek chipset, providing consistent and reliable connectivity.

7. WARRANTY & SUPPORT

Warranty Information

Specific warranty details for the WAVLINK AX5400 USB WiFi 6E Adapter are not provided in this manual. Please refer to the official WAVLINK website or contact customer support for the most current warranty policy and registration information.

Technical Support

For any technical questions, assistance with setup, or troubleshooting, please contact WAVLINK customer support:

- **Phone Support:** +18889730883 (UTC-5) Monday - Friday, 9 AM - 6 PM
- **Email Support:** Contact@wavlink.com

WAVLINK is committed to providing prompt assistance, aiming to offer solutions within 8 hours and providing life-long technical support for its products.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question