WAVLINK 693X2F

WAVLINK AX5400 WiFi 6E USB Adapter Instruction Manual

Model: 693X2F

1. PRODUCT OVERVIEW

The WAVLINK AX5400 WiFi 6E USB Adapter is designed to add or upgrade WiFi capabilities to your desktop or laptop computer. It supports the latest WiFi 6E standard, offering tri-band connectivity across 2.4GHz, 5GHz, and 6GHz frequencies for enhanced speed and performance. This adapter is compatible with Windows 10 and Windows 11 operating systems.

Important Note: This device is a WiFi adapter for your computer and is not a WiFi booster, extender, or repeater. It cannot strengthen existing signals from your router.

Image: The WAVLINK AX5400 WiFi 6E USB Adapter, showcasing its design and included USB 3.0 cable.

2. Setup Instructions

2.1 System Requirements

- Operating System: Windows 10 (Version 1909 or later) or Windows 11 (Version 21H2 or later).
- USB Port: USB 3.0 port recommended for optimal performance.
- To utilize WiFi 6E capabilities, your system requires Windows 11 (Version 21H2 or later) and a WiFi 6E compatible router.

2.2 Driver Installation

The WAVLINK AX5400 WiFi 6E USB Adapter features a built-in driver for Windows 10 and Windows 11, simplifying the installation process.

1. **Connect the Adapter:** Insert the adapter's USB 3.0 cable into an available USB port on your desktop or laptop computer.

2. **Automatic Driver Activation:** In most cases, the built-in driver will activate automatically upon connection. A pop-up window may appear in the lower right corner of the taskbar indicating driver installation.

3. **Manual Driver Installation (if needed):** If the pop-up window does not appear, open "This PC" (or "My Computer"), locate the "CD Drive" labeled "WAVLINK_693X2F". Double-click this drive and follow the on-screen instructions to install the driver. If your computer already has the driver installed, the "CD Drive" will not be displayed.

Effortless to Use

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

Find the "CD Drive" in "This PC"

CD Drive (F:) WAVLINK_693X2F
0 bytes free of 6.35 MB
CDFS

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

AutoRun.inf   2024/11/9 9:25   安装信息   1 KB
WAVLINK_693X2F.exe   2024/11/9 9:23   应用程序   6,452 KB

Setup - WAVLINK_693X2F version 5001.19.113.3

Ready to Install
Setup is now ready to begin installing WAVLINK_693X2F on your computer.

Click Install to continue with the installation.

Image: Visual guide for connecting the adapter and installing the driver from the virtual CD drive.

Station Mode
(Receive Signal)

Connect your computer to wireless router for network, say goodbye to cables.

Internet — Router — 693X2F → PC

Soft AP Mode
(Transmits Signal)

Create a WiFi hotspot for sharing with your phone, tablet, laptop etc.

Internet — Modem — PC — 693X2F

Image: Simplified three-step setup process for the WAVLINK AX5400 adapter.

3. OPERATING MODES

The adapter supports two primary operating modes:

3.1 Wi-Fi Mode (Receive Signal)

In Wi-Fi Mode, the adapter connects your computer to an existing wireless network. It can receive signals from your router on the 2.4GHz, 5GHz, or 6GHz bands, providing high-speed internet access.

- After driver installation, click the network icon in your system tray.
- Select your desired Wi-Fi network from the list.
- Enter the network password if prompted and click "Connect".

3.2 Soft AP Mode (Transmit Signal)

In Soft AP Mode, the adapter can transform your computer's wired internet connection into a Wi-Fi hotspot. This allows other wireless devices (smartphones, tablets, laptops) to connect to the internet through your computer.

- Ensure your computer has a wired internet connection.
- Access the adapter's utility software or Windows network settings to enable Soft AP mode.
- Configure the hotspot name (SSID) and password.
- Other devices can then connect to this new Wi-Fi hotspot.

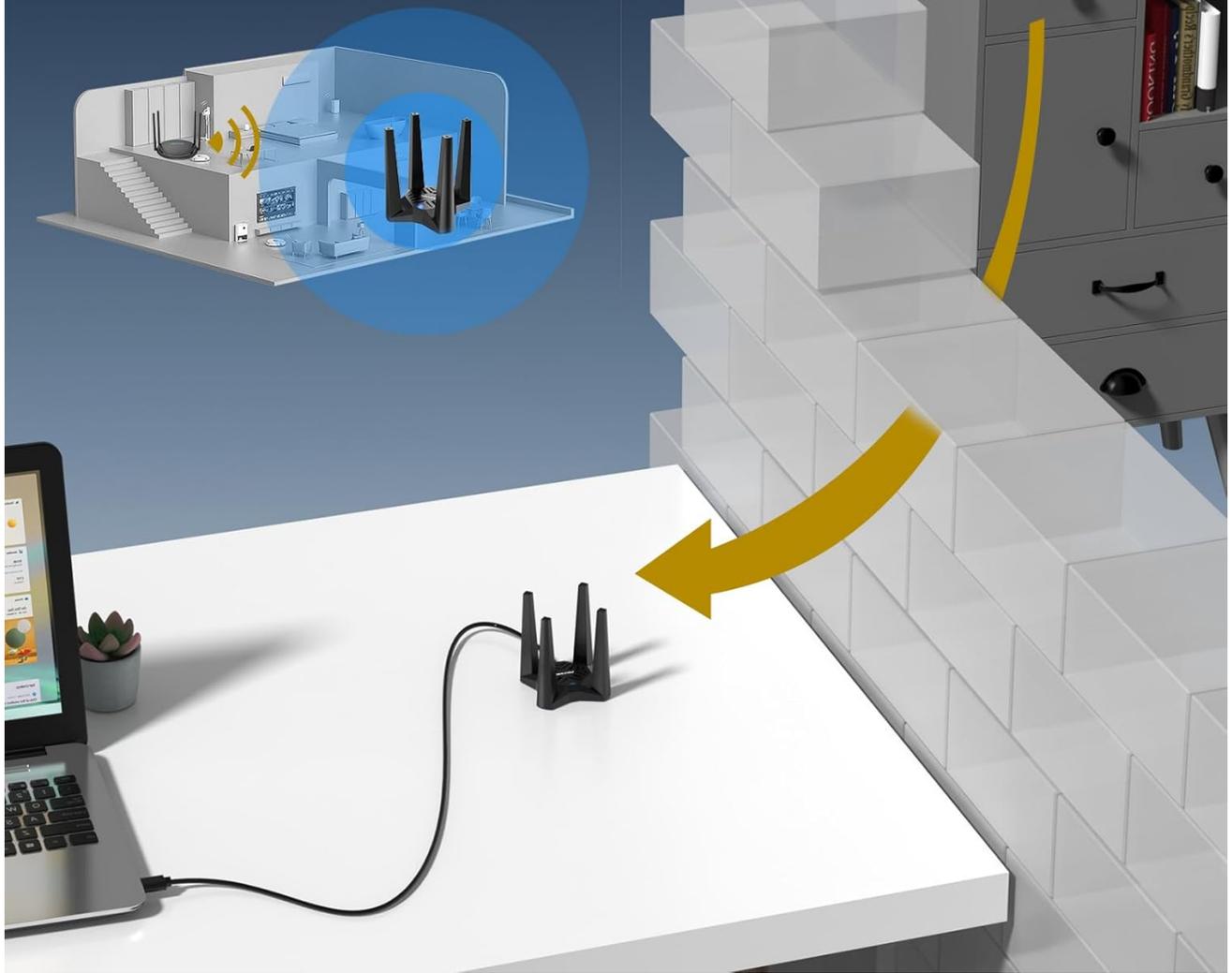# Boost Your WiFi with Quad 3dBi High-Performance Antennas

Image: The two operating modes: Receive Mode for connecting to WiFi and Launch Mode (Soft AP) for creating a hotspot.

Deadzone-Free WiFi Roaming

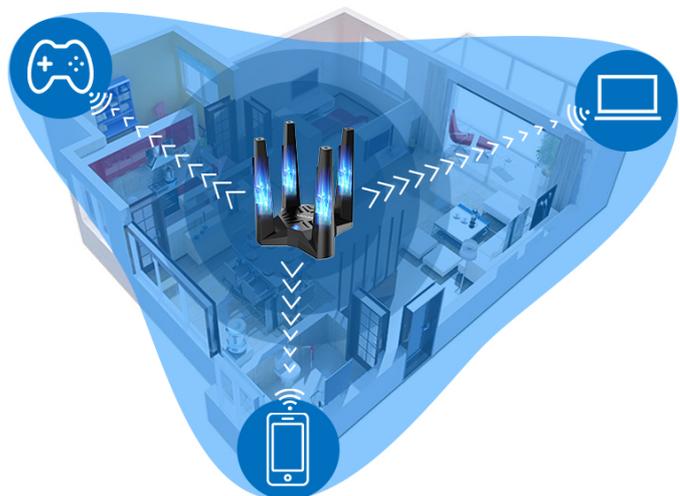4x3dBi antennas and beamforming tech eliminate every WiFi deadzone in your home

Image: Detailed diagrams of Station Mode (receiving signal) and Soft AP Mode (transmitting signal).

4. MAINTENANCE

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

- **Placement:** Position the adapter in an open area, away from obstructions and other electronic devices that may cause interference. The included 1-meter USB 3.0 cable and magnetic base allow for flexible and stable placement on metal surfaces.
- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid using liquid cleaners or solvents.
- **Temperature:** Operate the device within its specified temperature range. Avoid extreme heat or cold.
- **Firmware Updates:** Periodically check the WAVLINK official website for any available firmware updates to ensure the best performance and security.

Image: Illustration of optimal placement for the adapter to maximize signal reception with its high-performance antennas.

Experience Next-Gen Speeds with WiFi 6E

Get the AX5400 Tri-band USB adapter for your PC and enjoy significantly faster connections on the new 6GHz band. Less interference, more performance—ideal for bandwidth-heavy activities.

2.4GHz
573Mbps

5GHz
2402Mbps

6GHz
2402Mbps

Image: Representation of the adapter's ability to provide wide, deadzone-free WiFi coverage within a home environment.

5. TROUBLESHOOTING

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

- **Driver Not Installing/Recognized:**

  - Ensure the adapter is securely plugged into a USB port.
  - Check "This PC" for the "CD Drive" and manually run the installer.
  - If issues persist, download the latest driver from the official WAVLINK website (www.wavlink.com) under the Support-Driver section, searching for model WL-WN693X2F.

- **Frequent Disconnections or Unstable Connection:**

  - Verify the USB cable is not faulty. Try using a different USB 3.0 cable if available.
  - Relocate the adapter to an area with better signal reception, away from obstacles or interference sources.
  - Ensure your computer's USB drivers are up to date.

- **Slow Speeds or Limited Performance:**

  - Confirm the adapter is connected to a USB 3.0 port on your computer.
  - For optimal WiFi 6E speeds, ensure you are connected to a WiFi 6E compatible router on the 6GHz band. Performance gains will be limited with standard WiFi 5/6 routers.
  - Check for interference from other devices operating on similar frequencies.

- **Soft AP Mode Not Working:**

  - Ensure your computer has an active wired internet connection.
  - Verify that Soft AP mode is correctly configured in your system's network settings or the adapter's utility.

6. SPECIFICATIONS

Detailed technical specifications for the WAVLINK AX5400 WiFi 6E USB Adapter.

Powerful Tri-Band Speed

| 2402Mbps | 2402Mbps | 573Mbps |
| 6GHz | 5GHz | 2.4GHz |

AX5400
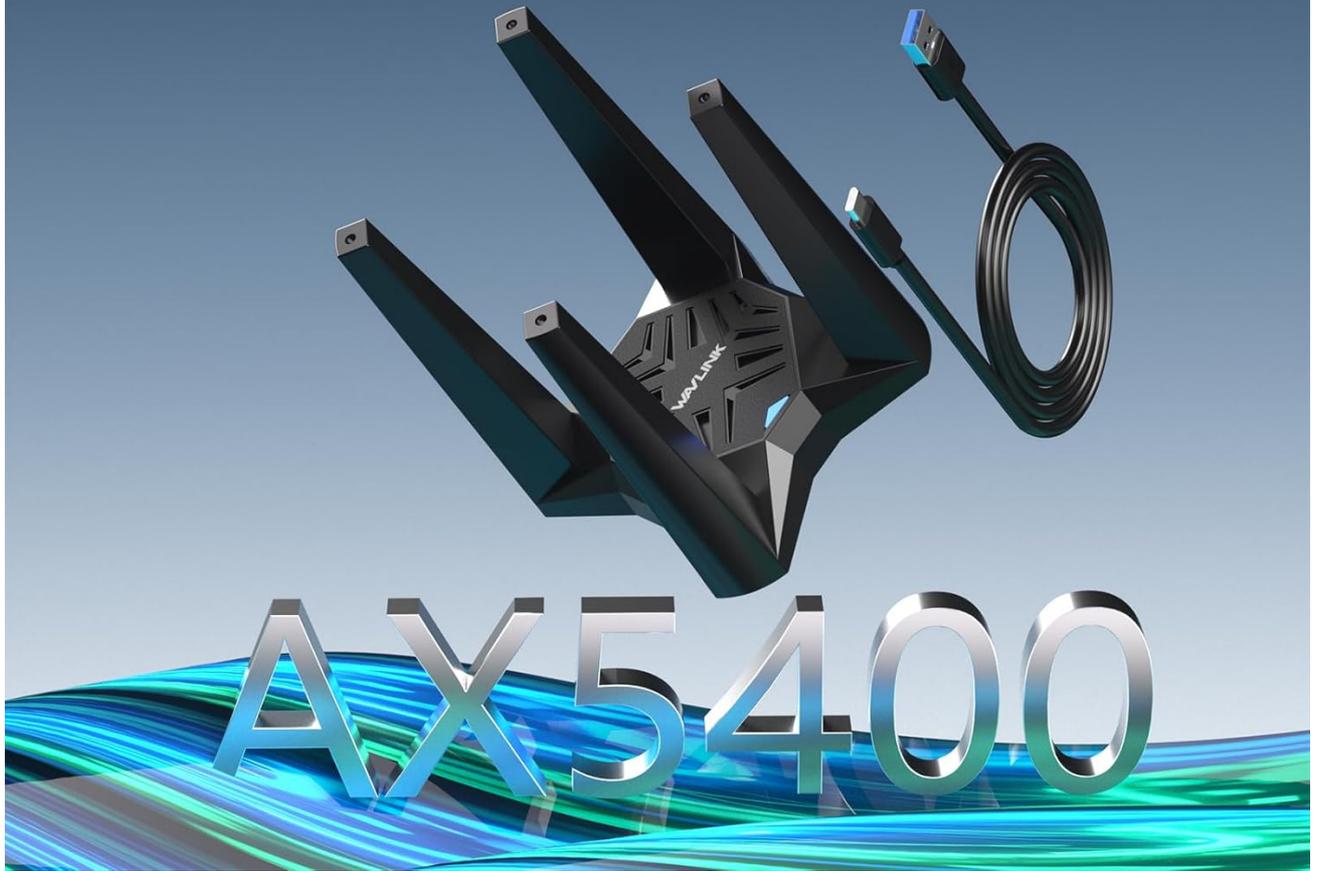
Image: Overview of the adapter's tri-band speed capabilities across 2.4GHz, 5GHz, and 6GHz frequencies.

Feature	Specification
Model Number	693X2F
Wireless Standard	WiFi 6E (802.11ax)
Frequency Bands	2.4GHz, 5GHz, 6GHz (Tri-Band)
Max Data Rate (2.4GHz)	Up to 573Mbps
Max Data Rate (5GHz)	Up to 2402Mbps
Max Data Rate (6GHz)	Up to 2402Mbps
Total Aggregate Speed	AX5400
Interface	USB 3.0

Feature	Specification
Antennas	Quad High Gain Antennas
Wireless Security	WPA3, WPA2, WPA
Features	MU-MIMO, OFDMA, Beamforming, Soft AP Mode
Compatible OS	Windows 10, Windows 11 (32/64-bit)
Product Dimensions	4.72 x 4.72 x 3.54 inches (approx. 12 x 12 x 9 cm)
Item Weight	10.6 ounces (approx. 0.3 kg)

7. WARRANTY AND SUPPORT

WAVLINK provides customer support for its products. For any questions or assistance, please use the contact information below.

7.1 Contact Information

- **Phone Support:** +1 8889730883 (UTC-5) Monday - Friday, 7 AM - 4 PM
- **Email Support:** contact@wavlink.com
- **Official Website:** For the latest drivers and support resources, visit www.wavlink.com. Search for model WL-WN693X2F in the Support-Driver section.
- You may also contact us via Amazon messaging.

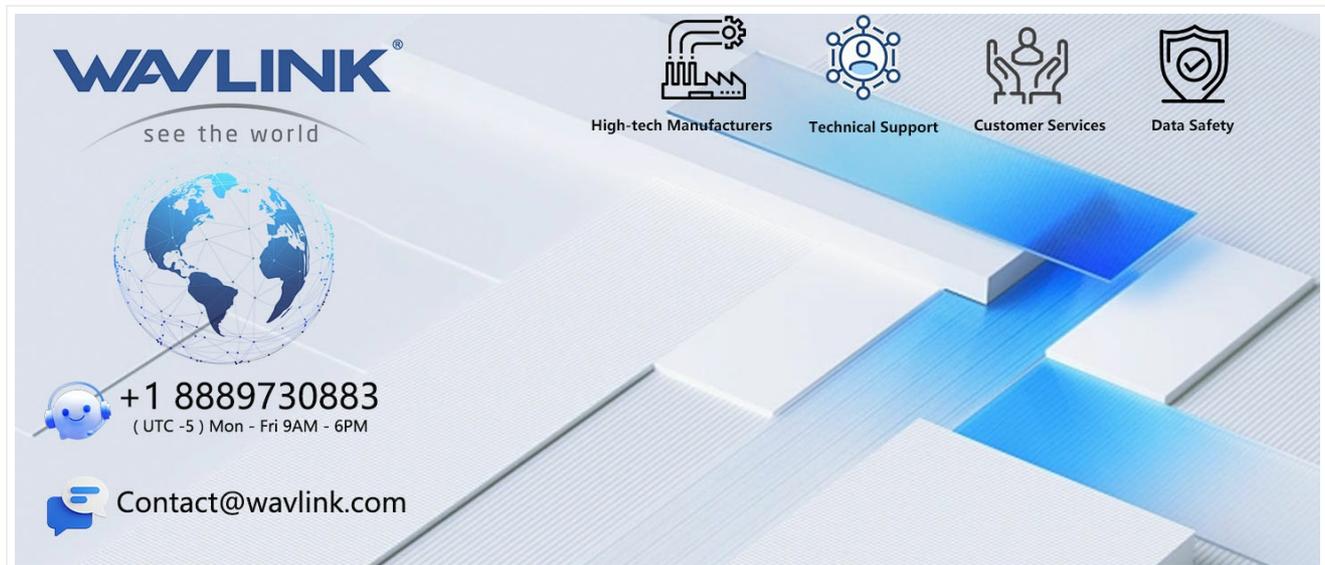We aim to provide solutions within 24 hours.

Image: WAVLINK customer support information for assistance.

7.2 Warranty Information

Please refer to the product packaging or the official WAVLINK website for specific warranty terms and conditions applicable to your region. Typically, products come with a manufacturer's warranty covering defects in materials and workmanship.