Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

WAVLINK WN695BE2

WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle User Manual

Model: WN695BE2

1. Introduction

Thank you for choosing the WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle. This high-performance wireless adapter is designed to provide ultra-fast and stable Wi-Fi connectivity for your PC, leveraging the latest WiFi 7 technology. It supports tri-band frequencies (2.4 GHz, 5 GHz, and 6 GHz) and features advanced technologies like MLO (Multi-Link Operation) and Multi-RU for enhanced network efficiency and reduced latency. This manual will guide you through the setup, operation, and maintenance of your device.



Image: The WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle, showcasing its design with four external antennas and USB 3.0 connector.

2. Package Contents

Please verify that all items are present in your package:

- WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle



Image: The WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle alongside its retail packaging and USB cable.

3. Key Features

- **Next-Generation WiFi 7:** Experience ultra-fast tri-band speeds up to 688 Mbps on 2.4 GHz, 2882 Mbps on 5 GHz, and 2882 Mbps on the ultra-fast 6 GHz band. Ideal for 8K streaming, lag-free gaming, and large file transfers.
- **Advanced WiFi 7 Technologies:** Features MLO (Multi-Link Operation) and Multi-RU for significantly lower latency and a more stable connection, even in congested networks.
- **Versatile Connectivity Modes:** Supports both Receiver Mode (connects wirelessly to router signals) and Hotspot Mode (shares PC's internet connection as a Wi-Fi hotspot).
- **Integrated Driver for Windows 10/11:** Designed for Windows 10 and Windows 11, the adapter includes an integrated driver that typically installs automatically upon connection, simplifying setup.
- **High-Gain Antennas:** Equipped with four 5 dBi high-gain antennas for powerful signal coverage and improved stability. Foldable design allows for flexible positioning.
- **Efficient Heat Dissipation:** Ventilation openings on the surface and bottom ensure efficient heat dissipation during extended use.

- **USB 3.0 Interface:** Powered by a USB 3.0 interface, offering up to 10 times faster speeds than USB 2.0 for smoother online gaming, 4K/8K video streaming, and large file transfers.
- **Advanced WPA3 Security:** Protects your Wi-Fi with WPA, WPA2, and WPA3 encryption, keeping your network secure from intruders.

4. Setup Guide

The WAVLINK WiFi 7 USB Dongle features an integrated driver for Windows 10 and Windows 11, making installation straightforward.

4.1 Driver Installation (Windows 10/11)

1. **Step 1:** Connect the WAVLINK WiFi 7 USB Dongle to an available USB 3.0 port on your computer.
2. **Step 2:** In most cases, the integrated driver will automatically initiate installation. Wait for the process to complete.
3. **Step 3:** If the driver installation does not start automatically, navigate to "This PC" (or "My Computer") and locate the virtual "CD Drive" that appears after connecting the adapter.
4. **Step 4:** Double-click on the "CD Drive" icon and follow the on-screen instructions to install the driver.

Note: *If your computer does not show the "CD drive" after connecting the adapter, please visit the official WAVLINK support page to manually download the driver for Model: WL-WN695BE2.*



Image: Visual guide for easy setup on Windows 10/11, showing the steps to connect the adapter and install the integrated driver.

5. Operating Modes

The WAVLINK WiFi 7 USB Dongle supports two primary operating modes:

5.1 Receiver Mode

In Receiver Mode, the adapter functions as a standard Wi-Fi client, allowing your PC to connect to existing wireless networks. It can connect to 2.4 GHz, 5 GHz, and 6 GHz Wi-Fi signals from your router.

- Ensure the driver is installed.
- Open your computer's Wi-Fi settings.
- Select your desired Wi-Fi network (SSID) from the list.
- Enter the network password (if required) and click 'Connect'.

5.2 Hotspot Mode (Access Point Mode)

In Hotspot Mode, you can share your PC's internet connection with other devices (smartphones, tablets, laptops) by turning your PC into a Wi-Fi hotspot.

- Ensure your PC has an active internet connection (e.g., via Ethernet).
- Go to your Windows settings: **Settings > Network & Internet > Mobile hotspot**
- Toggle the 'Mobile hotspot' switch to 'On'.
- You can customize the network name (SSID) and password under 'Edit'.
- Other devices can now connect to your PC's shared Wi-Fi network.



Image: A visual representation of the adapter functioning in Receiver Mode (connecting a PC to a router) and Hotspot Mode (sharing PC internet with a smartphone).

6. Maintenance

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to remove dust. Avoid using liquid cleaners.
- **Proper Ventilation:** Ensure the ventilation openings on the adapter are not obstructed to allow for efficient heat dissipation, especially during prolonged use.
- **Antenna Positioning:** The flexible antennas can be adjusted for optimal signal reception. Avoid excessive force when adjusting them.
- **Firmware Updates:** Periodically check the official WAVLINK website for any available firmware updates to ensure optimal performance and security.
- **Storage:** When not in use for extended periods, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

Problem	Possible Solution
Adapter not detected / Driver not installing automatically.	• Ensure the adapter is firmly connected to a USB 3.0 port. • Check "This PC" for a virtual CD drive and manually run the installer. • Download the latest driver from the official WAVLINK support website for model WN695BE2. • Try connecting to a different USB port.
Cannot connect to Wi-Fi network.	• Verify the Wi-Fi password is correct. • Ensure your router is powered on and broadcasting a signal. • Restart your computer and router. • Check if other devices can connect to the same network. • Update the adapter's driver to the latest version.
Slow Wi-Fi speed or unstable connection.	• Adjust the position of the adapter's antennas for better signal reception. • Ensure there are no major obstructions (walls, large metal objects) between the adapter and the router. • Try connecting to a different Wi-Fi band (e.g., 5 GHz or 6 GHz if available). • Minimize interference from other electronic devices. • Ensure your router supports WiFi 7 for optimal performance.
Hotspot Mode not working.	• Ensure your PC has an active internet connection. • Check Windows Mobile Hotspot settings to ensure it's enabled and configured correctly. • Disable and re-enable the Mobile Hotspot feature.

8. Specifications

Brand	WAVLINK

Model Number	WN695BE2
Hardware Interface	USB 3.0
Color	Black
Compatible Devices	Desktop Computer, Laptop, Smart TV, Smartphone, Tablet
Product Dimensions (L x W x H)	10L x 10W x 18H cm (3.94L x 3.94W x 7.09H inches)
Data Link Protocol	IEEE 802.11
Data Transfer Rate	Up to 6452 Megabits per second (6.452 Gbps)
Item Weight	550 Grams (1.21 lbs)
Compatible Operating Systems	Windows 10, Windows 11
Antennas	4 x 5dBi High-Gain Antennas
Security	WPA3, WPA2, WPA



Image: The WAVLINK WiFi 7 USB Dongle highlighting its compact design, flexible antennas (90° and 180° rotation), and dimensions.

9. Warranty and Support

9.1 Warranty Information

WAVLINK products typically come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official WAVLINK website. Keep your purchase receipt as proof of purchase for warranty claims.

9.2 Technical Support

If you encounter any issues or have questions regarding your WAVLINK WiFi 7 USB Tri-Band BE6500 Dongle that are not covered in this manual, please contact WAVLINK technical support through their official website. You can usually find support contact information, FAQs, and driver downloads on the WAVLINK support page.

- **Online Support:** Visit the official WAVLINK website for support resources.

- **Driver Downloads:** WAVLINK Support Page (Example link, please verify actual URL)

© 2026 WAVLINK. All rights reserved.

Ask a question about this manual

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

Open the live page

https://manuals.plus/asin/B0FPXB7FK3

More documents and user manuals: **https://manuals.plus/**