

AERVY CF-WR302S

AERVY 2024 WiFi Signal Booster User Manual

Model: CF-WR302S

PRODUCT OVERVIEW

The AERVY 2024 WiFi Signal Booster is designed to extend your existing wireless network coverage, eliminating Wi-Fi dead zones and providing a stronger, more reliable internet connection throughout your home or office. It features advanced technology for enhanced speed and security, ensuring seamless connectivity for multiple devices.





Image: The AERVY WiFi Signal Booster, a compact white device with two external antennas, plugged into a standard wall outlet. Blue indicator lights are visible on the front panel.

Key Features:

- **Extended Coverage:** Effectively extends wireless signals up to 9,800 sq. ft., penetrating walls and floors.
- **Fast Wireless Speed:** Equipped with a 2.4 GHz ultra-core processor and high-gain antennas for optimized data transmission.
- **Enhanced Security:** Supports WPA/WPA2 encryption to protect your home network.
- **Easy Setup:** Features a WPS button for instant router pairing or quick mobile browser configuration.
- **Universal Compatibility:** Works with all internet providers and standard routers/gateways.

SETUP INSTRUCTIONS

There are two primary methods to set up your AERVY WiFi Signal Booster: using the WPS button for quick pairing or through a web browser for more detailed configuration.

Method 1: WPS Button Setup (Recommended for quick setup)

1. **Power On:** Plug the AERVY WiFi Signal Booster into an electrical outlet near your existing router. Wait for the power indicator light to stabilize.
2. **Press WPS on Router:** Locate the WPS button on your main Wi-Fi router and press it. The WPS light on your

router may start blinking.

3. **Press WPS on Extender:** Within two minutes, press the WPS button on the AERVY WiFi Signal Booster. The signal indicator light on the extender should begin to blink.
4. **Connection Confirmation:** Once the signal indicator light on the extender turns solid blue, the connection is successful. You can now unplug the extender and move it to a more optimal location.



Image: A visual guide illustrating the WPS setup process, showing a hand pressing the WPS button on a router and then on the AERVY WiFi Signal Booster, with a couple happily using their devices in the foreground.

Method 2: Web Browser Setup

1. **Power On:** Plug the AERVY WiFi Signal Booster into an electrical outlet.
2. **Connect to Extender's Network:** On your computer or mobile device, connect to the Wi-Fi network broadcast by the extender (e.g., "AERVY_Extender" or similar, without a password).
3. **Access Setup Page:** Open a web browser and enter the default IP address or domain name provided in the quick start guide (e.g., <http://192.168.10.1> or <http://aervy.setup>).

4. **Log In:** Enter the default username and password (usually "admin" for both, refer to the quick start guide for specifics).
5. **Select Mode:** Choose "Repeater Mode" or "Extender Mode" from the setup wizard.
6. **Select Network:** Scan for available Wi-Fi networks and select your main router's network.
7. **Enter Password:** Enter the Wi-Fi password for your main router's network.
8. **Configure Extender Name (Optional):** You can choose to keep the same network name as your router or create a new one for the extended network.
9. **Apply Settings:** Save the settings and wait for the extender to restart. The signal indicator light should turn solid blue upon successful connection.

OPERATING THE WiFi SIGNAL BOOSTER

Once set up, the AERVY WiFi Signal Booster operates automatically to provide extended Wi-Fi coverage. Optimal placement is key to maximizing its performance.

Optimal Placement

For best results, place the extender halfway between your router and the area with poor Wi-Fi signal. Ensure it is within the range of your main router's signal. Avoid placing it near large metal objects, microwave ovens, or other devices that may cause interference.

BOOST WiFi Coverage Range

UP TO 10,000 Sq.ft



Image: An illustration depicting a multi-story house with Wi-Fi signals extending from a router on the first floor and an AERVO WiFi Signal Booster on the second floor, showing expanded coverage throughout the entire home.

Connecting Devices

Devices can connect to the extended network just as they would to any other Wi-Fi network. Search for the network name you configured during setup (or your original network name if you chose to keep it) and enter the password.

Ultra-High Bandwidth for Connecting

Up to **55** Devices at One Time



Image: A visual representation of multiple devices, including a smartphone, tablet, smart speaker, security camera, laptop, and gaming console, all connected wirelessly to the AERVY WiFi Signal Booster, demonstrating its capacity to handle up to 55 devices simultaneously.

Network Security

The AERVY WiFi Signal Booster supports WPA/WPA2 encryption protocols, providing robust security for your extended network. This helps protect your data from unauthorized access and cyber threats.

Robust Security for Your WiFi



WPA2



Block Malicious
Websites



Image: An illustration highlighting the robust security features of the AERVY WiFi Signal Booster, including WPA2 encryption, protection against malicious websites, and overall network security for connected devices.

MAINTENANCE

To ensure optimal performance and longevity of your AERVY WiFi Signal Booster, follow these simple maintenance guidelines:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to prevent dust buildup. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the device is placed in a well-ventilated area and its ventilation holes are not obstructed.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates to ensure the best performance and security.
- **Indoor Use Only:** This device is designed for indoor use. Outdoor installation may degrade signal performance and is not recommended.

TROUBLESHOOTING

If you encounter issues with your AERVY WiFi Signal Booster, refer to the following common troubleshooting steps:

Problem	Possible Solution
No signal extension / Weak signal	Ensure the extender is placed within the range of your main router. Moving it closer to the router may help. Check for physical obstructions like thick walls or large metal objects. Verify that the extender is properly connected to the main router (solid blue signal light). Restart both the router and the extender.
Cannot connect to the extended network	Double-check the Wi-Fi password. Ensure your device is within range of the extender. Try resetting the extender to factory defaults and re-configuring it.
Internet speed is slow on extended network	Relocate the extender to a position that offers a stronger signal from the main router. Minimize interference from other electronic devices. Ensure your main router is providing adequate speed.
WPS setup fails	Ensure you press the WPS button on both devices within the specified time frame (usually 2 minutes). Try the web browser setup method instead.

If issues persist, please contact AERVY technical support for assistance.

SPECIFICATIONS

Detailed technical specifications for the AERVY 2024 WiFi Signal Booster (Model: CF-WR302S).

- **Model Number:** CF-WR302S
- **Brand:** AERVY
- **Wireless Communication Standard:** 802.11bgn
- **Special Feature:** 1-Tap Setup (WPS)
- **Connector Type:** RJ45 (Ethernet Port)
- **Color:** White
- **Item Weight:** 6.4 ounces
- **Package Dimensions:** 7.2 x 3.66 x 2.09 inches
- **Manufacturer:** AERVY
- **First Available:** February 11, 2025

WARRANTY AND SUPPORT

AERVY provides dedicated technical support for its products. For any inquiries, technical assistance, or warranty claims, please refer to the contact information provided with your product packaging or visit the official AERVY website.

Please retain your proof of purchase for warranty purposes. The warranty period and terms are subject to the policies of

AERVY and the retailer from whom the product was purchased.

For the most up-to-date support information, please visit:[AERVY Official Store on Amazon](#)