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AOOEPU AOOEPU-0617-3

AOOEPU WiFi Extender Signal Booster User Manual

Model: AOOEPU-0617-3

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AOOEPU WiFi Extender Signal Booster. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. This device is designed to extend your existing WiFi network coverage, eliminate dead zones, and provide stable internet access throughout your home or office.

2. PRODUCT OVERVIEW

The AOOEPU WiFi Extender Signal Booster is a dual-band (2.4GHz and 5GHz) device designed to enhance your wireless network. It features four high-gain antennas for improved signal strength and coverage. The device supports multiple operating modes to suit various networking needs.

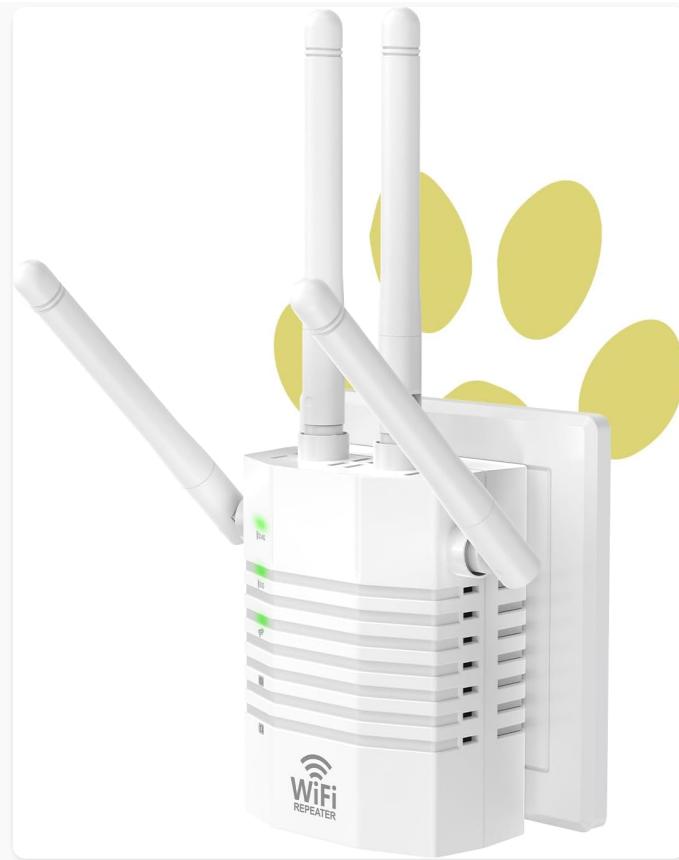


Image 2.1: Front view of the AOOEPU WiFi Extender Signal Booster, showing its four adjustable antennas and indicator lights.

Key Features:

- **Dual-Band Connectivity:** Supports both 2.4GHz (up to 300Mbps) and 5GHz (up to 867Mbps) for a combined speed of 1200Mbps.
- **Four High-Gain Antennas:** Enhances signal reception and transmission for broader coverage.
- **Multiple Operating Modes:** Functions as a Repeater, Access Point (AP), or Router.
- **WPS Button:** For quick and easy setup with compatible routers.
- **Ethernet Port:** Includes a WAN/LAN port for wired connections.



Image 2.2: Diagram highlighting the key components and features of the WiFi Extender, including antennas, processor, WPS button, and WAN/LAN port.

3. SETUP INSTRUCTIONS

3.1 Optimal Placement

Proper placement of the WiFi extender is crucial for maximizing its effectiveness. Avoid placing the extender too close or too far from your main router.

- **Too Close:** If the extender is too close to the router, it may not effectively extend the signal to dead zones.

- **Too Far:** If the extender is too far from the router, it may not receive a strong enough signal to amplify.
- **Recommended:** Place the WiFi extender approximately 10-40 feet (3-12 meters) away from your main router, in a location where it can receive a strong signal from the router and also reach the desired dead zones.



Image 3.1: Visual guide for optimal WiFi extender placement, illustrating ideal distance from the main router to cover dead zones.

3.2 WPS Setup (Recommended for quick setup)

1. Plug the AOOEPU WiFi Extender into an electrical outlet near your main router.
2. Wait for the Power LED on the extender to turn solid.
3. Press the WPS button on your main router.
4. Within 2 minutes, press the WPS button on the AOOEPU WiFi Extender.
5. The Signal LED on the extender should turn solid, indicating a successful connection.
6. You can now unplug the extender and move it to your desired optimal location (refer to Section 3.1).

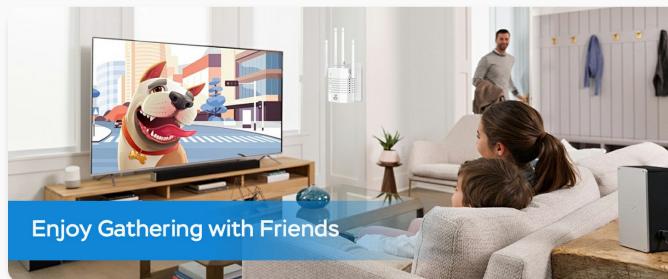


Image 3.2: Step-by-step visual guide for connecting the WiFi extender using the WPS button on both the router and the extender.

3.3 Manual Setup (Via Web Browser)

1. Plug the AOOEPU WiFi Extender into an electrical outlet.
2. On your computer or mobile device, connect to the extender's default WiFi network (e.g., "WiFi-Repeater" or similar, usually found on a label on the device). No password is required initially.
3. Open a web browser and enter the default IP address or domain name (e.g. <http://192.168.10.1> or <http://repeater.net>). Refer to the device label for the exact address.
4. Log in using the default username and password (usually "admin" for both, refer to the device label).
5. Follow the on-screen wizard to select your desired operating mode (Repeater, AP, or Router) and configure the network settings.
6. Select your main WiFi network, enter its password, and set a new name for your extended network (optional).
7. Save the settings and wait for the extender to restart. The Signal LED should turn solid upon successful connection.

4. OPERATING MODES

The AOOEPU WiFi Extender supports three primary operating modes:

- **Repeater Mode:** Extends the coverage of an existing wireless network. This is the most common mode for eliminating WiFi dead zones.
- **Access Point (AP) Mode:** Converts a wired network connection into a wireless one. Useful for adding WiFi capability to a wired-only router.
- **Router Mode:** Functions as a primary router, creating a new private network. This mode is typically used when you have a modem but no router.



Image 4.1: Visual representation of the three application modes: AP Mode, Repeater Mode, and Router Mode, showing how the extender integrates into different network setups.

5. OPERATING THE EXTENDER

Once configured, the AOOEPU WiFi Extender operates automatically. Your devices will connect to the extended network name you set during setup. The extender will intelligently manage connections to provide the best possible signal.

Connecting Devices:

Search for the extended WiFi network name on your devices (smartphones, laptops, tablets, smart TVs, etc.) and connect using the password you configured. For wired devices, connect an Ethernet cable from the device to the WAN/LAN port on the extender.



Image 5.1: Illustration of multiple users and devices benefiting from extended WiFi coverage, including gaming, streaming, and working.

6. MAINTENANCE

To ensure the longevity and optimal performance of your AOOEPU WiFi Extender, consider the following maintenance tips:

- **Keep Clean:** Periodically wipe the device with a soft, dry cloth. Avoid using liquid cleaners.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block the ventilation holes.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates. Updating firmware can improve performance, add new features, and fix bugs.
- **Restart:** If you experience minor connectivity issues, try restarting the extender by unplugging it for 10 seconds

and then plugging it back in.

7. TROUBLESHOOTING

If you encounter issues with your AOOEPU WiFi Extender, refer to the following troubleshooting steps:

7.1 No Internet Access or Weak Signal

- **Check Placement:** Ensure the extender is placed in an optimal location (refer to Section 3.1). It should be within range of your main router and the areas needing coverage.
- **Verify Router Connection:** Confirm that your main router is working correctly and providing internet access.
- **Check Indicator Lights:** The Signal LED on the extender should be solid, indicating a good connection to the router. If it's blinking or off, the connection is unstable or absent.
- **Restart Devices:** Restart both your main router and the WiFi extender. Also, restart the devices trying to connect to the extended network.

7.2 Cannot Access Setup Page

- **Direct Connection:** Ensure your device is connected to the extender's default WiFi network (e.g., "WiFi-Repeater") or via an Ethernet cable directly to the extender.
- **Correct Address:** Double-check that you are entering the correct IP address or domain name (e.g., <http://192.168.10.1> or <http://repeater.net>) in your browser.
- **Clear Browser Cache:** Try clearing your browser's cache and cookies, or use a different browser.

7.3 Slow Speed on Extended Network

- **Placement:** Suboptimal placement can lead to reduced speeds. Adjust the extender's position closer to the main router if the signal strength is low.
- **Interference:** Other electronic devices (microwaves, cordless phones) can cause interference. Try moving the extender away from such devices.
- **Network Congestion:** Too many devices on the network or heavy bandwidth usage can slow down speeds.
- **Router Performance:** The speed of the extended network cannot exceed the speed provided by your main router.

7.4 Resetting the Extender

If all other troubleshooting steps fail, you may need to perform a factory reset. This will erase all custom settings and restore the device to its default configuration.

1. With the extender powered on, use a paperclip or a thin object to press and hold the Reset button (usually a small pinhole) for about 5-10 seconds.
2. Release the button when the indicator lights flash.
3. The extender will restart with factory default settings. You will need to set it up again as described in Section 3.

8. SPECIFICATIONS

Feature	Detail
Model Number	AOOEPU-0617-3

Wireless Communication Standard	2.4 GHz Radio Frequency, 5 GHz Radio Frequency
Data Transfer Rate	Up to 1200 Megabits Per Second (300Mbps for 2.4GHz, 867Mbps for 5GHz)
Antennas	4 High-Gain Antennas
Operating Modes	Repeater, Access Point (AP), Router
Special Features	1-Tap Setup (WPS), 360 Degree Coverage, WiFi Mesh compatible
Ports	1 x WAN/LAN Ethernet Port
Product Dimensions	7.48 x 3.74 x 2.4 inches
Item Weight	5.6 ounces
Power Input	AC 100-240V, 50/60Hz

9. WARRANTY INFORMATION

AOOEPU products are covered by a limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by accident, misuse, unauthorized modification, or external causes. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official AOOEPU website.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or general inquiries regarding your AOOEPU WiFi Extender Signal Booster, please contact our customer support team. You can typically find contact information (email, phone, or support portal) on the official AOOEPU website or on the product packaging. When contacting support, please have your product model number (AOOEPU-0617-3) and purchase details ready.