WONLINK AX1800

WONLINK AX1800 WiFi 6 Extender User Manual

Model: AX1800

1. INTRODUCTION

Thank you for choosing the WONLINK AX1800 WiFi 6 Extender. This device is engineered to expand your wireless network coverage and enhance internet speeds, eliminating dead zones and ensuring a stable connection throughout your home or office. Utilizing the latest WiFi 6 (802.11ax) technology, it delivers high-speed dual-band performance for demanding online activities.

This manual provides detailed instructions for setting up, operating, and maintaining your WiFi extender. Please read it carefully before use to ensure proper installation and optimal performance.

2. PRODUCT FEATURES

- **Lightning-Fast WiFi 6 Speed:** Supports WiFi 6 technology, offering up to 1800Mbps combined speed (1201Mbps on 5GHz, 576Mbps on 2.4GHz) for smooth HD video streaming, online gaming, and web conferencing.

- **Extended Signal Coverage:** Equipped with 4 high-gain antennas and performance power amplifiers, providing up to 10,000+ sq ft of coverage, penetrating walls and floors to eliminate WiFi dead spots.

- **Simultaneous Device Support:** Features a powerful three-core processor and supports MU-MIMO and OFDMA technologies, allowing connection of 64+ devices simultaneously with low latency.

- **Gigabit Ethernet Port:** Includes a Gigabit Ethernet port for high-speed wired connections to devices like smart TVs, gaming consoles, or PCs, ensuring stable and fast data transfer.

- **Advanced Security:** Incorporates the latest WPA3 security encryption protocols to protect your network from unauthorized access and external threats.

- **Multiple Operating Modes:** Supports Repeater, Access Point (AP), Client, Bridge, and Router modes to meet various networking needs.

Front view of the WONLINK AX1800 WiFi 6 Extender, showcasing its sleek design and indicator lights.

Visual representation highlighting the WiFi 6 technology and 1800Mbps speed capability of the extender.


Illustration demonstrating the dual-band speeds: 574Mbps on 2.4GHz and 1201Mbps on 5GHz, for a total of 1800Mbps.
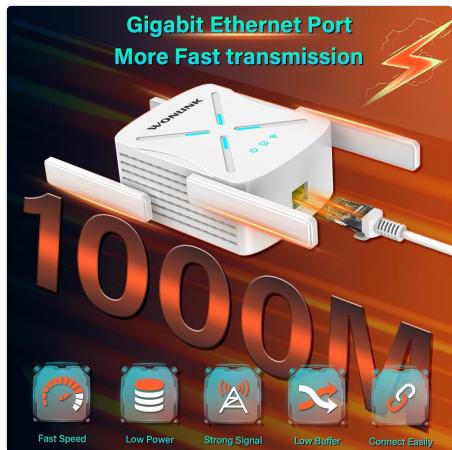
Close-up of the Gigabit Ethernet port, emphasizing its role in providing faster wired connections.
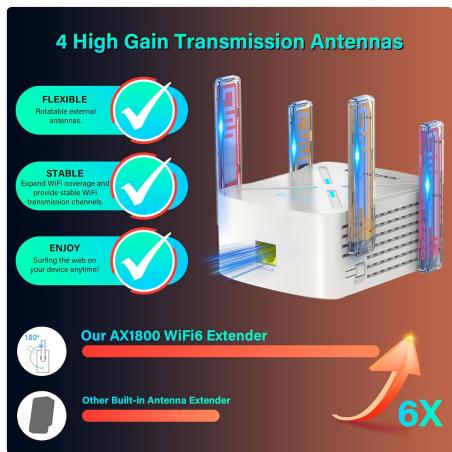
Diagram showing the four high-gain rotatable antennas and their role in expanding WiFi coverage.

An infographic detailing the powerful new-gen WiFi 6 chip, dual-band support, MU-MIMO/OFDMA, and WPA3 encryption.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x WONLINK AX1800 WiFi 6 Extender
- 1 x RJ45 Ethernet Cable
- 1 x User Manual

4. Setup Instructions

The WONLINK AX1800 WiFi 6 Extender offers two primary methods for quick setup: WPS (Wi-Fi Protected Setup) and Web Browser setup.

Visual guide for the two easy setup methods: via phone/browser or using the WPS button.

Method 1: WPS (Wi-Fi Protected Setup)

1. **Power On:** Plug your WiFi extender into a power outlet near your main router. Wait for approximately 30 seconds for the device to power on and initialize.

2. **Press WPS Button on Extender:** Locate the WPS button on the side of the WONLINK AX1800 extender and press it. The WPS indicator light on the extender should start blinking.

3. **Press WPS Button on Router:** Within 2 minutes, press the WPS button on your main WiFi router. Ensure your router supports WPS functionality.

4. **Connection Confirmation:** The extender's indicator light will turn solid, indicating a successful connection. The extended WiFi network will have the same name as your main network with '_EXT' or '_Plus' appended (e.g., MyHomeWiFi_EXT).

5. **Relocate Extender:** Once connected, unplug the extender and move it to a location halfway between your router and the area with poor WiFi signal. Plug it into a power outlet and wait for it to reconnect. Ensure the signal strength indicator on the extender shows a good connection.

Method 2: Web Browser Setup (Recommended for non-WPS routers)

1. **Power On:** Plug your WiFi extender into a power outlet near your main router. Wait for approximately 30 seconds for the device to power on and initialize.

2. **Connect to Extender's WiFi:** On your computer or smartphone, connect to the extender's default WiFi network (SSID) which will typically be named something like "WONLINK-XXXX-2G" or "WONLINK-XXXX-5G". No password is required for the initial connection.

3. **Access Setup Page:** Open a web browser (e.g., Chrome, Firefox, Safari) and type http://192.168.10.1 into the address bar. Press Enter.

4. **Login:** You will be prompted to create a new login password for the extender's management page. Follow the on-screen instructions.

5. **Select Mode:** Choose "Repeater Mode" (or your desired mode) from the setup options. The extender will scan for available WiFi networks.

6. **Select Your Network:** Select your main WiFi network (SSID) from the list and enter its password.

7. **Configure Extended Network:** You can choose to keep the same SSID for the extended network or create a new one. It is recommended to use a different SSID (e.g., MyHomeWiFi_EXT) to easily distinguish between networks.

8. **Apply Settings:** Click "Apply" or "Save" to finalize the settings. The extender will restart.

9. **Relocate Extender:** Once restarted and connected, unplug the extender and move it to a location halfway between your router and the area with poor WiFi signal. Plug it into a power outlet and wait for it to reconnect. Ensure the signal strength indicator on the extender shows a good connection.

5. OPERATING MODES

The WONLINK AX1800 WiFi 6 Extender supports multiple operating modes to suit various networking requirements:

Diagram illustrating the different operating modes: Repeater Mode, Router Mode, and AP Mode, and their typical use cases.

5.1. Repeater Mode (Default)

In Repeater Mode, the extender wirelessly connects to your existing router's WiFi network and re-broadcasts it, extending the coverage area. This is ideal for eliminating WiFi dead zones in larger homes or offices.

5.2. Access Point (AP) Mode

In AP Mode, the extender connects to your router via an Ethernet cable and transforms your wired network connection into a wireless access point. This is useful for adding WiFi capability to a wired-only network or creating a new WiFi network in a specific area.

5.3. Router Mode

In Router Mode, the extender functions as a standalone router. You can connect it directly to a modem via an Ethernet cable to create a new private wireless network. This mode is suitable for small offices or homes that do not have an existing router.

6. GENERAL OPERATION

6.1. Optimal Placement

For best performance, place the extender halfway between your main router and the area where you need improved WiFi coverage. Avoid placing it near large metal objects, concrete walls, or other electronic devices that may cause interference. The signal indicator lights on the extender can help you find an optimal location.

Illustration showing the extender providing ultra-strong signal coverage across various rooms in a home.

6.2. Connecting Devices

Once the extender is set up, your devices (smartphones, tablets, laptops, smart TVs, etc.) can connect to the extended WiFi network just like they would to any other WiFi network. Look for the extended SSID (e.g., MyHomeWiFi_EXT) in your device's WiFi settings.

6.3. Using the Ethernet Port

The Gigabit Ethernet port can be used to connect a wired device (e.g., desktop computer, gaming console) to the network, providing a stable and high-speed connection. Simply connect an Ethernet cable from the device to the extender's LAN/WAN port.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the extender. Do not use liquid cleaners or aerosols.

- **Ventilation:** Ensure the cooling holes on the device are not obstructed to prevent overheating and ensure stable operation.

- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping your device's firmware up-to-date can improve performance, add new features, and enhance security.

- **Restarting:** If you experience network issues, try restarting the extender by unplugging it from the power outlet for 10 seconds and then plugging it back in.

8. TROUBLESHOOTING

If you encounter issues with your WONLINK AX1800 WiFi 6 Extender, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Extender not powering on.	Ensure the power outlet is working and the extender is properly plugged in. Try a different outlet.
Cannot connect to the extender's default WiFi for setup.	Ensure the extender is powered on and wait for 30 seconds. Try restarting the extender. Ensure your device's WiFi is enabled.
WPS setup fails.	Ensure your router supports WPS and that you press both WPS buttons within the 2-minute window. Try the web browser setup method instead.
No internet access after connecting to the extended network.	Verify that your main router has internet access. Re-run the setup process to ensure the extender is properly connected to your main router. Relocate the extender closer to the main router if the signal is weak.
Slow speeds on the extended network.	Relocate the extender to an optimal position (halfway between router and dead zone). Ensure there are no major obstructions. Check for interference from other electronic devices. Your main router's speed also affects the extended network.
Extended network disappears or disconnects frequently.	This could indicate a weak signal from the main router. Try moving the extender closer to the router. Ensure the extender is not overheating.
Security concerns or unusual network behavior.	Ensure you have set a strong password for the extender's management page and for the extended WiFi network. Verify that WPA3 encryption is enabled. If issues persist, perform a factory reset and reconfigure.

Factory Reset

If the extender is not functioning correctly, you may need to perform a factory reset. With the extender powered on, use a paperclip or pin to press and hold the Reset button (usually located in a small hole) for about 5-10 seconds until the lights flash. The extender will restart with factory default settings, and you will need to set it up again.

9. SPECIFICATIONS

Feature	Detail
Model	AX1800
Wireless Communication Standard	802.11a/b/g/n/ac, 802.11ax (WiFi 6)
Data Transfer Rate	Up to 1800 Mbps (1201Mbps on 5GHz, 576Mbps on 2.4GHz)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Ethernet Port	1 x Gigabit Ethernet Port (LAN/WAN)
Antennas	4 x High Gain Omnidirectional Antennas
Security Protocols	WPA3, WPA2-PSK, WPA-PSK
Dimensions	5.39 x 4.61 x 3.46 inches
Item Weight	14.6 ounces
Manufacturer	WONLINK

10. Warranty and Support

For detailed warranty information, please refer to the documentation included with your purchase or contact WONLINK customer support. If you require further assistance or have questions not covered in this manual, please visit the official WONLINK website or refer to the comprehensive user guide available online:

Official User Guide (PDF): Download User Guide

Please retain your proof of purchase for warranty claims.

Documents - WONLINK – AX1800
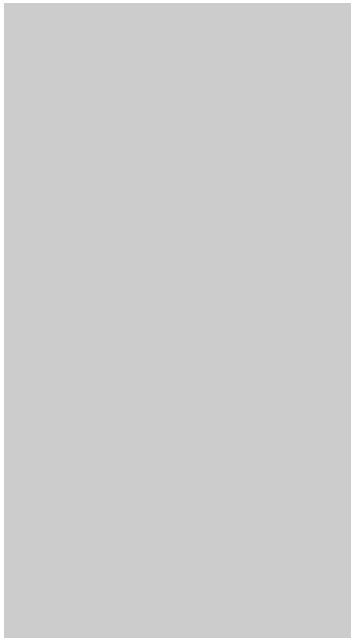
[WONLINK AX1800 WiFi 6 Extender: Quick Installation Guide](#)

A concise guide to setting up your WONLINK AX1800 WiFi 6 Extender for improved home network coverage. Learn placement, connection, and configuration steps. lang: filesize: 3.29 M page_count: 1 document date: 2023-11-15