

Manuals.plus /
› WAVLINK /
› WAVLINK AX3000 WiFi 6 Outdoor Access Point User Manual

WAVLINK RYJPWN573HX3FBA

WAVLINK AX3000 WiFi 6 Outdoor Access Point User Manual

Model: RYJPWN573HX3FBA | Brand: WAVLINK

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your WAVLINK AX3000 WiFi 6 Outdoor Access Point. This device is designed to extend your wireless network outdoors, offering high-speed dual-band connectivity, robust weather protection, and flexible power options.

3000M デュアルバンド WiFi 6

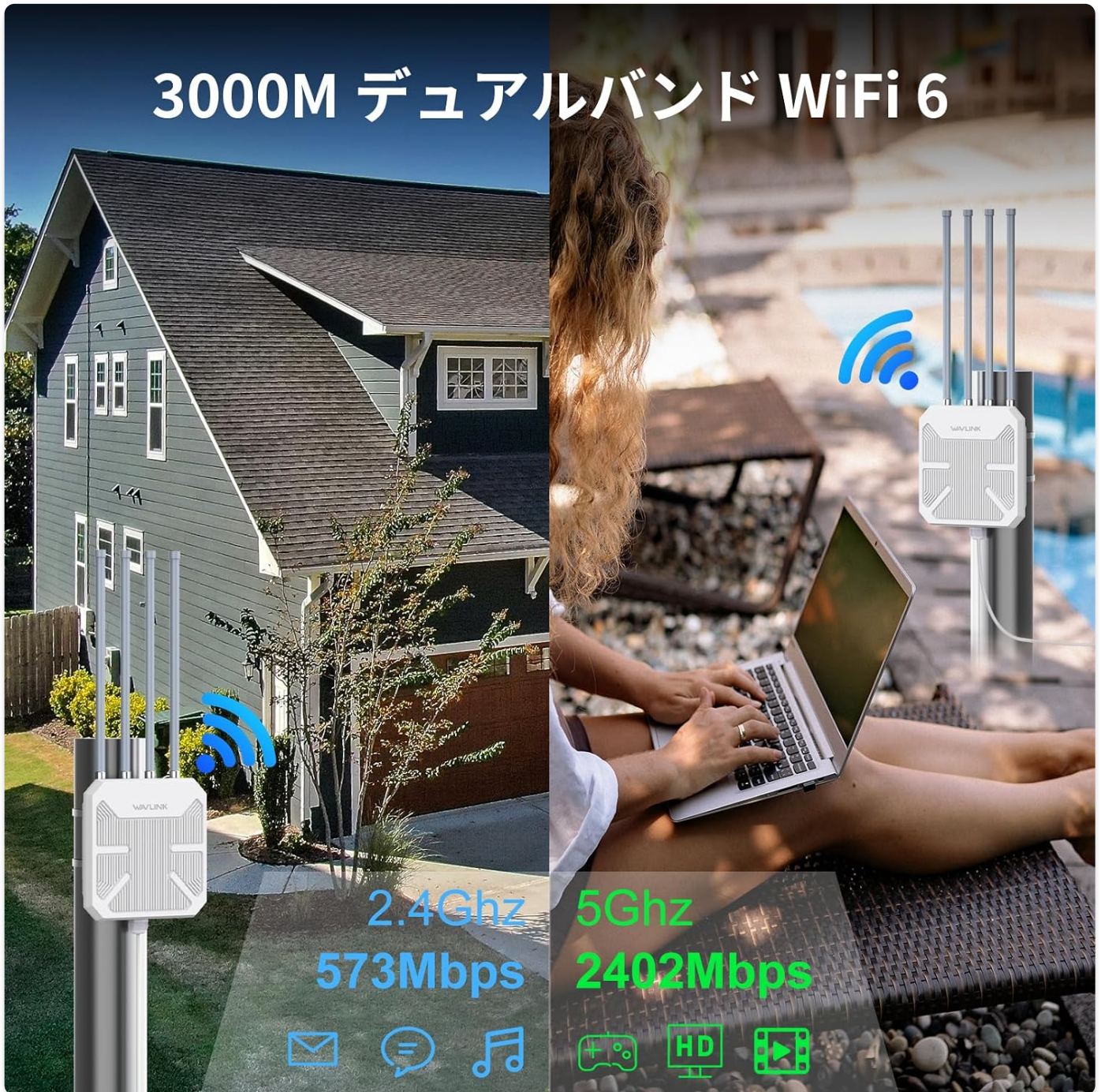


Image: The WAVLINK AX3000 WiFi 6 Outdoor Access Point installed on a pole, providing dual-band WiFi 6 coverage (2.4GHz at 573Mbps and 5GHz at 2402Mbps) to a house and a user enjoying high-speed internet outdoors.

2. PRODUCT FEATURES

- **Extreme Weather Durability:** Designed for harsh outdoor conditions with IP67 waterproof enclosure, 15kV ESD protection, and 6kV lightning protection. Operates reliably in rain, snow, wind, and thunderstorms. Features high-gain fiberglass tube antennas resistant to strong winds and corrosion.
- **True WiFi 6 Speed:** Complies with IEEE 802.11ax/ac/a/b/g/n standards, supporting dual-band speeds of up to 2402Mbps on 5GHz and 573Mbps on 2.4GHz. Provides ultra-fast internet speeds for HD video streaming and smooth gaming outdoors.
- **Flexible PoE Power Options:** Supports both 802.3AF/AT active PoE and passive PoE, allowing data transmission and power supply through a single Ethernet cable. Ideal for outdoor installations where power outlets are not readily available. (Note: PoE converter is not waterproof. Use CAT5E or higher cables, not exceeding 100 meters).

- **Seamless WiFi Roaming:** Equipped with 4x8dBi omni-directional antennas and two built-in high-power amplifiers for excellent WiFi coverage and penetration. Supports Mesh technology, enabling more device connections with one-click setup, significantly expanding WiFi coverage and eliminating dead zones.
- **Multiple Operating Modes:** Supports Mesh, AP, Router, Repeater, and AP+Repeater modes to meet various outdoor connectivity needs. Router/AP modes are best for converting wired connections to wireless, while Mesh mode provides seamless WiFi with a single network name and password.



Image: The WAVLINK AX3000 WiFi 6 Outdoor Access Point is shown installed on a pole in various weather conditions, illustrating its IP67 waterproof housing, built-in lightning arrester, and fiberglass antennas designed for harsh outdoor environments.

3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package:

- 1 x AX3000 WiFi 6 Outdoor Access Point
- 4 x Omni-directional Antennas
- 4 x Cable Ties
- 1 x Ethernet Cable Connector
- 1 x Quick Installation Guide
- 1 x Wrench
- 2 x Silicone Pads
- Screws (various sizes)
- Passive PoE (Optional): 1 x 54V Power Adapter, 1 x PoE Converter, 1 x Ethernet Cable



Image: All components included in the WAVLINK AX3000 WiFi 6 Outdoor Access Point package, including the main unit, antennas, cables, power adapter, and mounting hardware.

4. ASSEMBLY & INSTALLATION

4.1 Physical Assembly

1. **Attach Antennas:** Carefully screw the four omni-directional antennas onto the device. Note that there are specific 2.4GHz and 5GHz antennas; ensure they are installed in the correct ports as indicated on the device.
2. **Connect Ethernet Cable:** Pass the RJ45 Ethernet cable through the waterproof connector cover. Connect the RJ45 cable to the WAN/LAN port on the device. Screw the waterproof connector bracket tightly to secure the connection.
3. **Power Connection (PoE):** Connect the power plug to the 'DC IN (37-57V)' port of the PoE converter. Plug the power adapter

into a power outlet. Connect the 'PoE' port of the PoE converter with an Ethernet cable to the WAN/LAN port of the device. Connect the 'LAN DATA IN' port of the PoE converter via another Ethernet cable to a 'LAN' port on your router.

4.2 Mounting the Device

1. **Apply Silicone Pads:** Stick two silicone pads onto the bracket and the pole where the device will be mounted.
2. **Secure with Cable Ties:** Thread the provided cable ties through the fixing points of the bracket. Fix the device to the pole using the cable ties, ensuring it is securely fastened.

Your browser does not support the video tag.

Video: This video demonstrates the physical assembly of the WAVLINK AX3000 Outdoor Access Point, including attaching antennas, connecting the Ethernet cable with its waterproof cover, and mounting the device to a pole using cable ties and silicone pads.

5. OPERATING MODES

The WAVLINK AX3000 supports several operating modes to suit various network requirements:

- **Repeater Mode:** Extends the range of an existing wireless network. The device connects to your main router's WiFi signal and broadcasts a new, stronger WiFi signal to cover a larger area.
- **AP (Access Point) Mode:** Converts a wired network connection into a wireless one. Connect the device to your router via an Ethernet cable, and it will create a new WiFi hotspot.
- **Router Mode:** Functions as a primary router, connecting directly to your modem to create a new wireless network.
- **Mesh Mode:** Creates a seamless mesh WiFi system with other compatible WAVLINK mesh devices. This provides unified network coverage with a single SSID and password, allowing devices to roam freely without disconnections.
- **AP+Repeater Mode:** A combination mode that offers both wired access point functionality and wireless range extension.

5.1 Initial Setup and Mode Configuration

To configure the device, connect to its default WiFi network (e.g., WAVLINK-AX_XXXX or WAVLINK-AX_5G_XXXX) and access the web-based management page via a browser (typically <http://waplogin.link>). The default login password is 'admin'. You will be prompted to set a new administrator password and configure your desired operating mode.

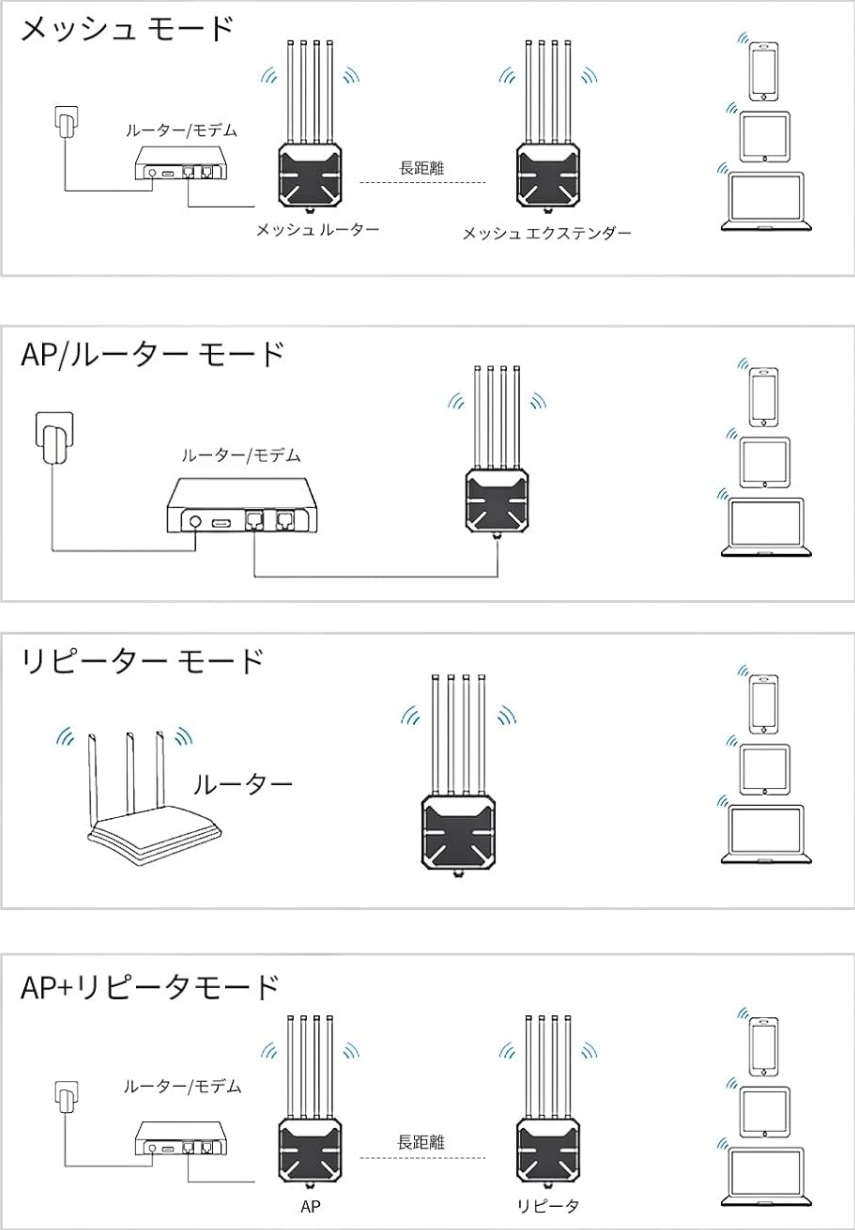


Image: Visual representation of the different operating modes (Mesh, AP/Router, Repeater, AP+Repeater) and how the WAVLINK AX3000 integrates into various network setups.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing, initial setup, and configuration of the WAVLINK AX3000, including connecting to the device's WiFi, accessing the web interface, setting passwords, and performing speed tests in different modes.

6. SPECIFICATIONS

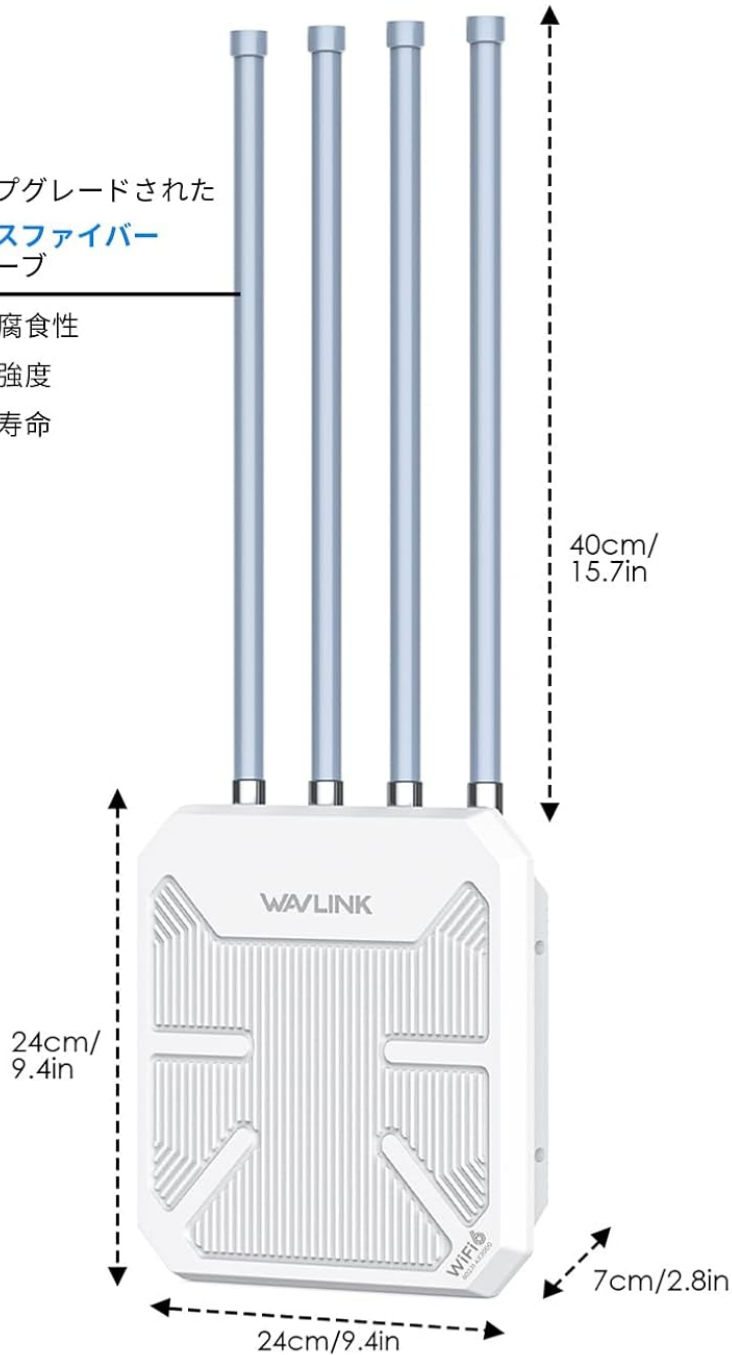
Feature	Detail
Brand	WAVLINK

Model Number	RYJPWN573HX3FBA
Wireless Communication Standard	802.11ax (WiFi 6)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Max Speed (5GHz)	2402 Mbps
Max Speed (2.4GHz)	573 Mbps
Connectivity Interface	Wi-Fi, Ethernet
Special Features	Weatherproof (IP67), Windproof, 15kV ESD Protection, 6kV Lightning Protection, PoE Support
Antennas	4x8dBi High Gain Omni-directional Fiberglass Antennas
Item Weight	247 grams
Compatible Devices	Security Cameras, various WiFi-enabled devices

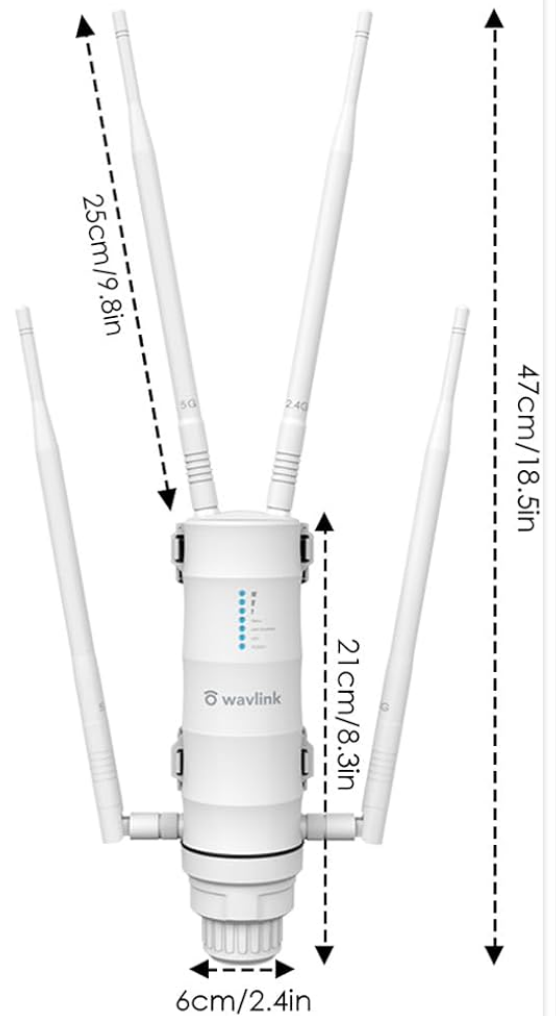
実際の製品比較

アップグレードされた
グラスファイバー
チューブ

- 耐腐食性
- 高強度
- 長寿命



WN573HX3



WN572HP3

Image: A visual comparison of the WAVLINK WN573HX3 (AX3000) and WN572HP3 models, highlighting their dimensions and antenna types. The WN573HX3 measures approximately 24cm in width and 63cm in height (including antennas).

7. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the PoE converter and a working power outlet. Check the LED indicator on the PoE converter.
- **No Internet Connection:** Verify that the Ethernet cables are correctly connected between the device, PoE converter, and your main router/modem. Check your main router's internet connection. If in Repeater mode, ensure the device is successfully

connected to your main router's WiFi.

- **Weak Signal/Limited Range:** Adjust the position of the device and its antennas. Ensure there are no major obstructions (e.g., thick walls, metal objects) between the device and your client devices or the main router. Consider using Mesh mode for broader coverage.
- **Cannot Access Web Management Page:** Ensure your device is connected to the WAVLINK's WiFi network. Try clearing your browser's cache or using a different browser. Verify the correct address (<http://waplogin.link>) is entered.
- **Forgot Password:** You may need to perform a factory reset. Refer to the Quick Installation Guide for instructions on how to reset the device.

For further assistance, please refer to the detailed user manual available on the WAVLINK website or contact customer support.

8. WARRANTY AND SUPPORT

This product comes with a **1-year manufacturer's warranty**. For warranty claims, technical support, or product inquiries, please contact WAVLINK customer service through their official website or the retailer where the product was purchased.

WAVLINK is committed to providing high-quality products and services. For more information about WAVLINK and their product range, please visit the [WAVLINK Brand Store](#).

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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

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