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› WAVLINK AC600 Outdoor WiFi Range Extender User Manual

WAVLINK 570ha1

WAVLINK AC600 Outdoor WiFi Range Extender User Manual

MODEL: 570HA1 | BRAND: WAVLINK

Introduction

The WAVLINK AC600 Outdoor WiFi Range Extender is a versatile device designed to extend wireless network coverage in outdoor environments. It supports dual-band operation (2.4GHz and 5GHz) and multiple operating modes including Access Point (AP), Router, Repeater, and WISP, providing flexible solutions for various networking needs. Its robust, weatherproof design ensures reliable performance in challenging outdoor conditions.

Package Contents

- 1 x WAVLINK AC600 Outdoor WiFi AP/Range Extender/Router
- 2 x Detachable Omni Antennas
- 1 x RJ-45 Networking Cable
- 1 x Power Adapter
- 1 x PoE Converter
- 1 x Main Body Holder
- 2 x Cable Ties
- 1 x Screw Fittings Set
- 1 x Quick Guide

Product Overview

The WAVLINK AC600 features a durable, weatherproof housing and dual external antennas for enhanced signal strength and coverage. It integrates Power over Ethernet (PoE) support for flexible installation in locations without direct power outlets.



Front view of the WAVLINK AC600 Outdoor WiFi Range Extender, showing its main body and two antennas.

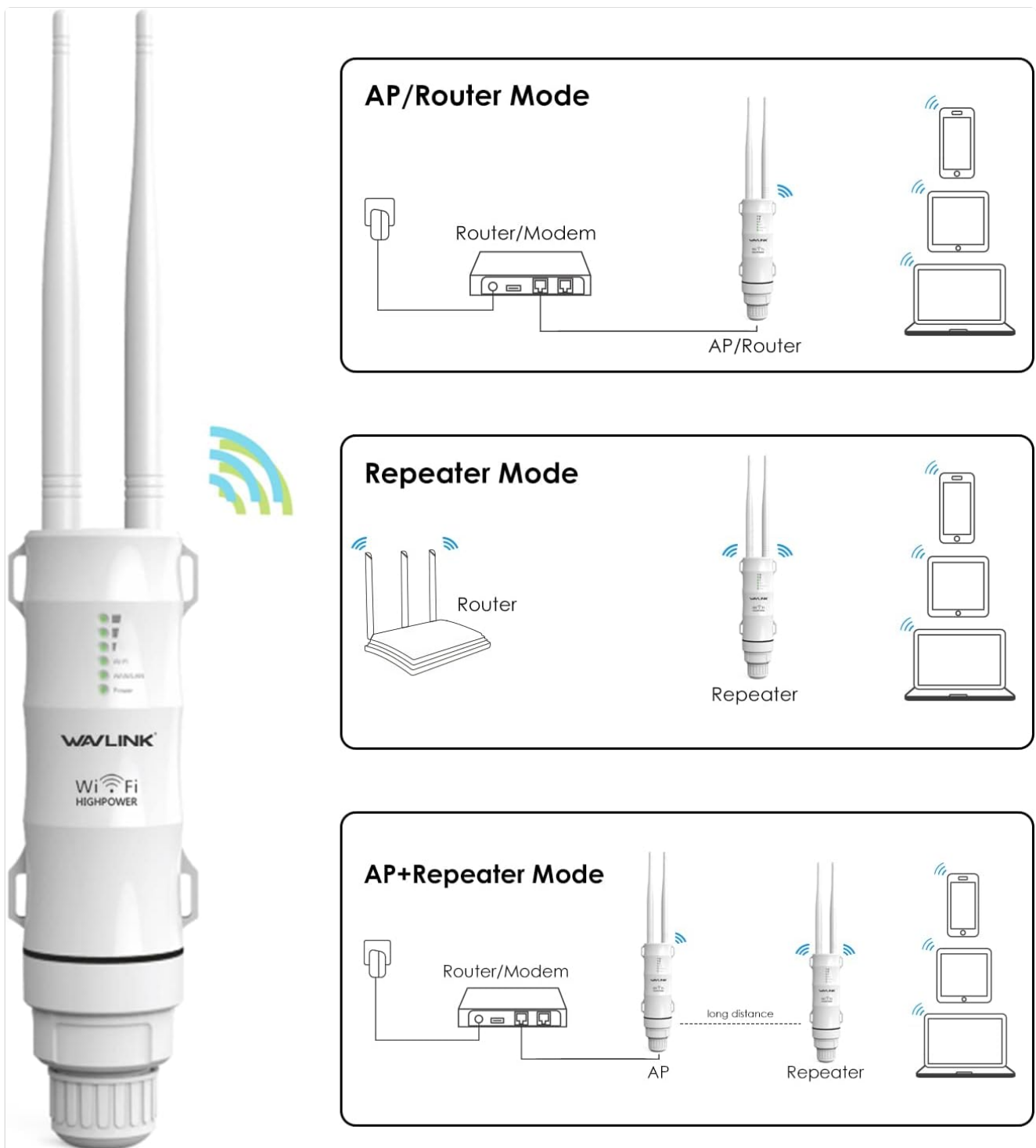


Diagram illustrating the dimensions of the WAVLINK AC600 device and its antennas.

Installation

The device can be installed flexibly using the provided mounting hardware or zip ties. Ensure the location provides optimal signal coverage and is protected from direct impact.

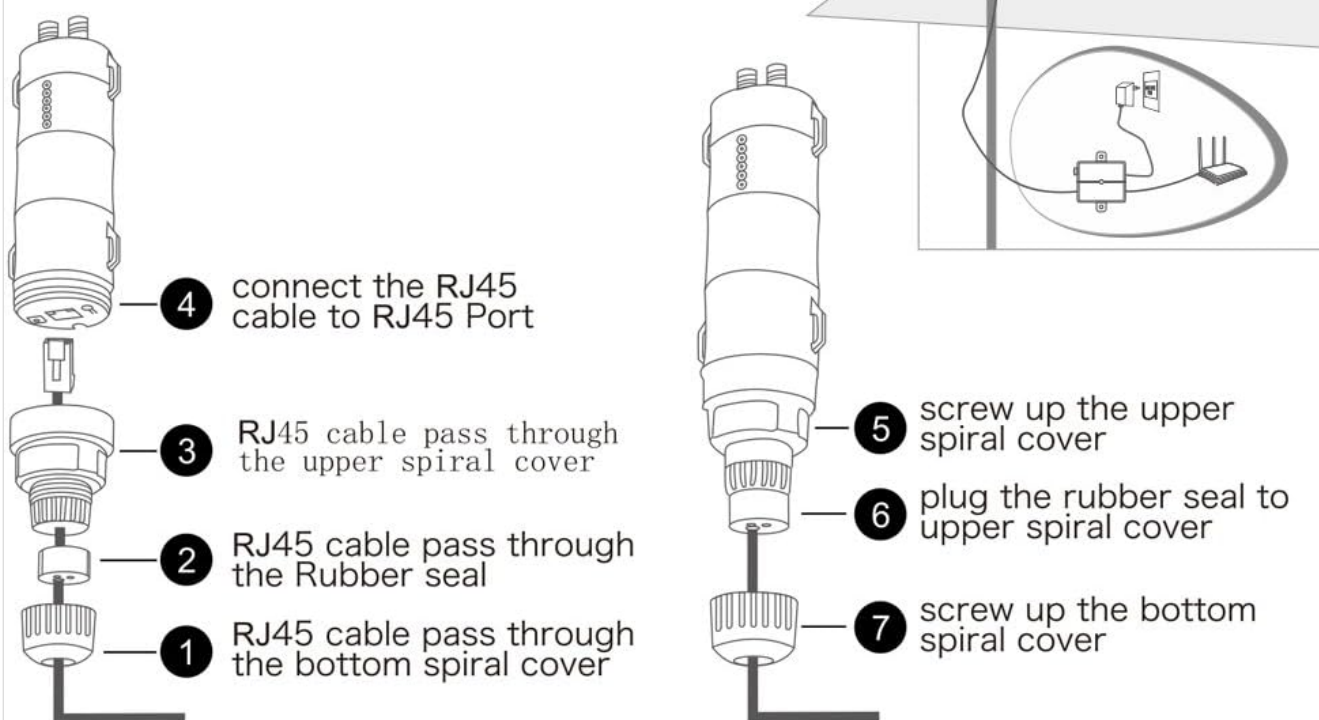
1. Attach the two detachable omni-directional antennas to the top of the device by screwing them into the designated ports.
2. Pass the RJ-45 Ethernet cable through the bottom spiral cover, then through the rubber seal, and finally connect it to the RJ-45 port on the device.
3. Screw the rubber seal and the upper spiral cover onto the device to ensure a watertight connection.
4. Connect the other end of the RJ-45 cable to the PoE converter's LAN/PoE port.
5. Connect the power adapter to the PoE converter and plug it into a power outlet.

6. Mount the device using the main body holder and cable ties or screw fittings to a pole or wall, ensuring it is securely fastened.

Installation Instructions

Assembly drawing

The connection will be similar to the figure below after the above steps are finished.



Visual guide for assembling the cables and covers for the outdoor unit.

Official video demonstrating the installation and configuration of the WAVLINK AC600 Outdoor WiFi Repeater/Extender/AP.

Setup (Configuration)

After physical installation, configure the device via its web management interface.

1. **Connect to the Device:** Connect your computer or mobile device to the WAVLINK-N or WAVLINK-AC Wi-Fi network broadcast by the extender.
2. **Access Web Interface:** Open a web browser and enter the default IP address **192.168.10.1** in the address bar.
3. **Login:** Enter **admin** for both the username and password (default credentials).
4. **Select Operating Mode:** From the main interface, select your desired operating mode (e.g., AP, Repeater, Router). The default mode is AP.
5. **Configure Settings:** Follow the on-screen wizard to configure network settings, including SSID, security type (WPA/WPA2 Mix is recommended), and Wi-Fi key.

6. **Apply Settings:** Click 'Apply' to save your configurations. The device will reboot.
7. **Reconnect:** Reconnect your device to the newly configured Wi-Fi network.



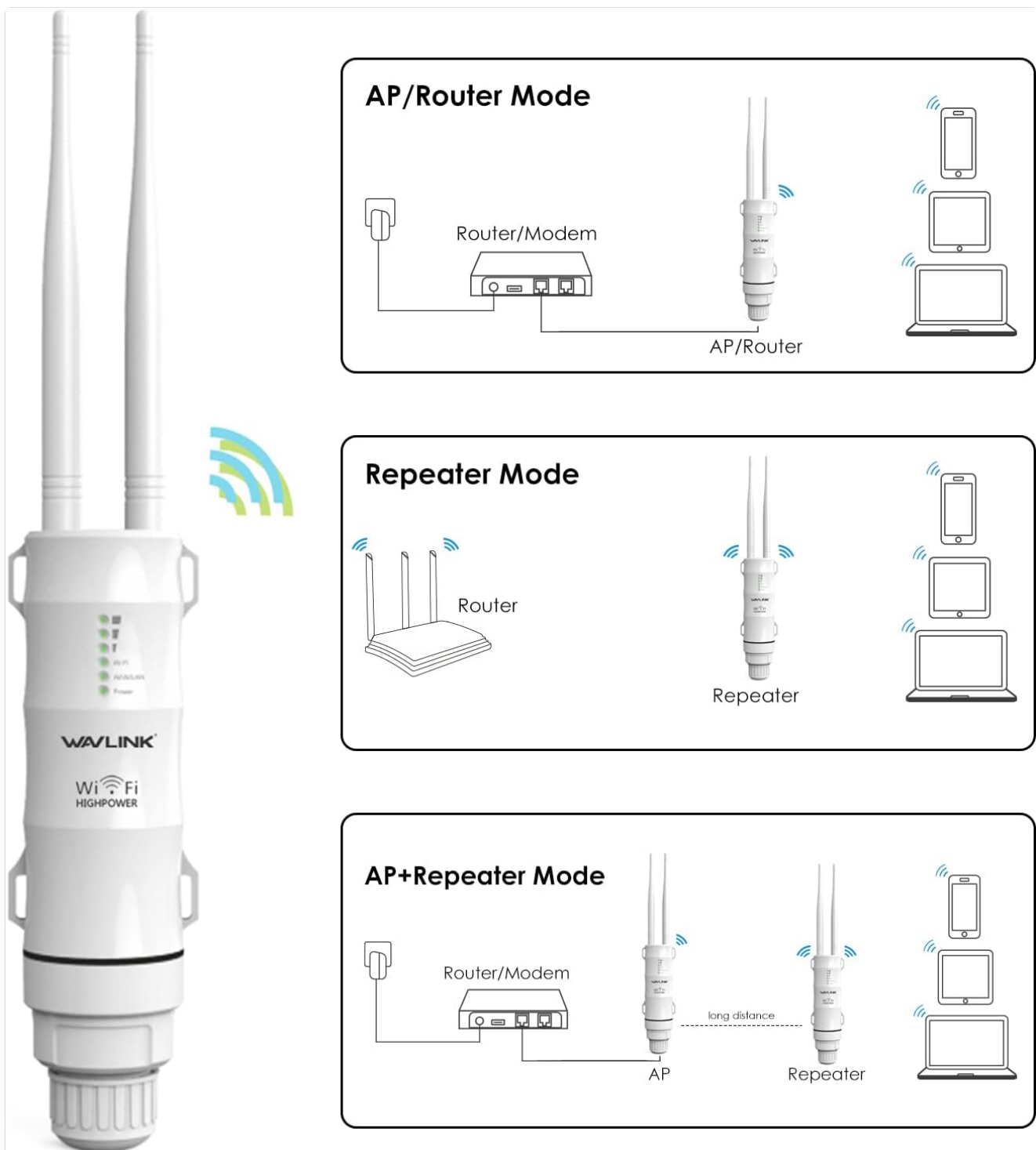
Step-by-step visual guide for the initial setup process using a mobile device.

Official video tutorial on setting up the AC600 in Repeater/Extender mode.

Operating Modes

The WAVLINK AC600 supports multiple operating modes to suit different network requirements:

- **AP (Access Point) Mode:** Connects to a wired network and broadcasts a wireless signal, allowing wireless devices to connect.
- **Repeater Mode:** Extends the range of an existing wireless network by repeating its signal.
- **Router Mode:** Functions as a primary router, connecting to an ISP modem and providing network access to connected devices.
- **WISP (Wireless Internet Service Provider) Mode:** Connects wirelessly to an ISP's access point and shares the internet connection with local wired and wireless clients.



Visual representation of different operating modes for the WAVLINK AC600.

Maintenance

To ensure optimal performance and longevity of your WAVLINK AC600 Outdoor WiFi Range Extender, regular maintenance is recommended:

- **Physical Inspection:** Periodically check the device and cables for any signs of wear, damage, or loose connections. Ensure the weatherproof seals are intact.
- **Firmware Updates:** Check the WAVLINK official website for the latest firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Cleaning:** Gently clean the exterior of the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Environmental Check:** Ensure the device is not obstructed by new growth or objects that could interfere with signal transmission.

Troubleshooting

If you encounter issues with your WAVLINK AC600, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the PoE converter and a working power outlet. Check the power LED on the device.
- **No Internet Access:** Verify that your main router has internet access. Check the cable connections between the extender and the PoE converter, and between the PoE converter and your network.
- **Weak Signal:** Adjust the position of the extender and its antennas. Ensure there are no major obstructions between the extender and your devices or the main router. Consider changing the Wi-Fi channel in the web interface to avoid interference.
- **Cannot Access Web Interface:** Ensure your device is connected to the extender's Wi-Fi network. Try clearing your browser's cache or using a different browser. Verify the IP address is correct (192.168.10.1).
- **Forgotten Password:** Perform a factory reset by pressing and holding the reset button on the device for approximately 10 seconds until the LEDs flash. This will revert all settings to default, including the login credentials.

Specifications

Feature	Value
Product Dimensions	2.17 x 2.17 x 16.77 inches
Item Weight	1.04 pounds
Item Model Number	570ha1
Wireless Communication Standard	802.11ac
Data Transfer Rate	600 Megabits Per Second
Frequency Band Class	Dual-Band
Special Feature	Weatherproof, PoE Support

Warranty & Support

WAVLINK provides an 18-month free return policy and lifetime consultation for any product-related issues. For further assistance, please refer to the official WAVLINK support channels.

- **Online Support:** Visit the [WAVLINK Store on Amazon](#) for product information and resources.
- **Email Support:** Contact Contact@wavlink.com for technical assistance.
- **Phone Support:** Call +1 8889730883 (UTC-5) Mon - Fri 9AM - 6PM.