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WAVLINK WN572HG3

WAVLINK AC1200 Outdoor WiFi Extender WN572HG3 Instruction Manual

Model: WN572HG3

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your WAVLINK AC1200 Outdoor WiFi Extender (Model WN572HG3). This device is designed to extend your wireless network coverage outdoors, offering reliable and high-speed internet access in various environments. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

2. PRODUCT OVERVIEW

The WAVLINK AC1200 Outdoor WiFi Extender is a versatile networking device that can function as an Access Point (AP), Router, or Wireless Repeater. It features dual-band Wi-Fi (2.4GHz and 5GHz) for combined speeds up to 1200Mbps and is equipped with four high-gain omni-directional antennas for extended range.





Figure 2.1: Front view of the WAVLINK AC1200 Outdoor WiFi Extender, showing its main body and four detachable antennas.

3. KEY FEATURES

- **AC1200 Dual-Band Wi-Fi:** Supports 802.11ac standard with simultaneous 2.4GHz (300Mbps) and 5GHz (867Mbps) connections for a total of 1200Mbps.
- **High-Gain Antennas:** Equipped with four 7dBi detachable omni-directional antennas to enhance signal reception and transmission.
- **Power over Ethernet (PoE):** Supports Passive PoE for flexible deployment up to 60 meters, allowing power and data transmission over a single Ethernet cable.

- **Robust Outdoor Design:** Features an IP65-rated weatherproof and heat-resistant casing, providing protection against harsh outdoor conditions, including 15KV ESD and 4KV lightning protection.
- **High Power Amplifiers:** Built-in PA+LNA amplifiers (1000mW) improve signal strength and coverage, extending the transmission distance up to 200 meters in open air.



NEW AC1200

IEEE 802.11 a/b/g/n/ac
5GHz 867Mbps+2.4GHz 300Mbps



Figure 3.1: Illustration of the dual-band capabilities, highlighting 5GHz at 867Mbps and 2.4GHz at 300Mbps.



Professional Outdoor Design

IP65-rated Weatherproof & Heat-resistant case with 15KV ESD, 4KV lighting protection, ensure your safety and stable connection in outdoor harsh conditions.

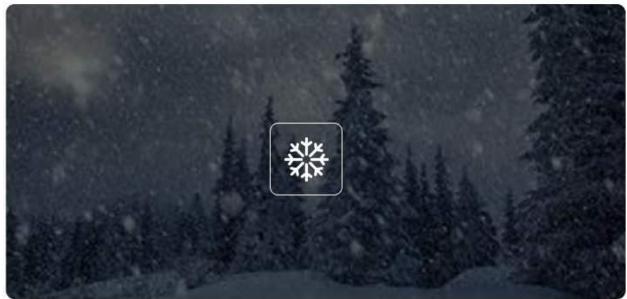
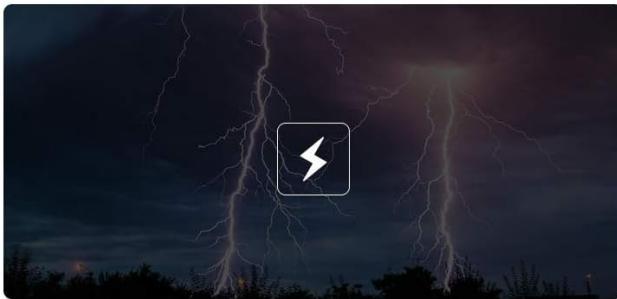
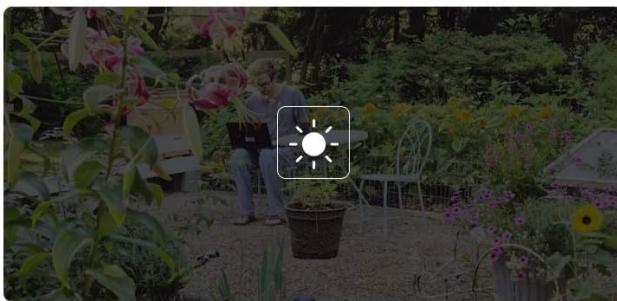


Figure 3.2: The device installed in an outdoor setting, demonstrating its IP65 weatherproof rating and protection against heat, rain, lightning, and snow.



Figure 3.3: Visual representation of the high power amplifiers (PA+LNA) within the device, contributing to a stronger signal and wider coverage up to 200 meters.

Video 3.1: An official product video demonstrating the WAVLINK AC1200 Outdoor WiFi Extender's features, including its weatherproof design, PoE capabilities, extended range, and various operating modes.

4. SETUP AND INSTALLATION

The WAVLINK WN572HG3 is designed for flexible outdoor installation. Ensure the device is mounted in a location that provides optimal signal coverage and is protected from direct physical impact.

4.1 Physical Installation

- Attach Antennas:** Carefully screw the four detachable antennas onto the corresponding connectors on the device.
- Mounting:** Use the provided mounting kit to secure the device to a pole or wall. Ensure it is positioned vertically for best performance.
- Connect Ethernet Cable:** Connect an Ethernet cable from your network (router/modem) to the LAN/PoE port on the

device.

4. **Power Connection:** Connect the other end of the Ethernet cable to the PoE injector's 'PoE' port. Then, connect an Ethernet cable from your computer or network switch to the 'LAN' port of the PoE injector. Finally, plug the power adapter into the PoE injector and a power outlet.



Figure 4.1: Connection diagrams for various operating modes, including AP, Router, Repeater, and WISP, showing how the device integrates into different network setups.

4.2 Initial Configuration

After physical installation, you will need to configure the device via a web browser. Refer to the quick start guide for initial access details (default IP address, username, and password).

5. OPERATING MODES

The WAVLINK WN572HG3 supports multiple operating modes to suit different networking needs:

- **Access Point (AP) Mode:** Converts a wired network connection into a wireless one, allowing multiple devices to connect wirelessly.

- **Router Mode:** Functions as a primary router, connecting to an internet source (e.g., modem) and distributing internet access to connected devices.
- **Repeater Mode:** Extends the coverage of an existing wireless network by receiving the signal and re-transmitting it.
- **WISP Mode:** Connects wirelessly to an ISP access point and shares the internet connection with local devices.

Detailed configuration steps for each mode are available in the device's web interface.

6. MAINTENANCE

- **Regular Cleaning:** Periodically clean the exterior of the device to prevent dust and debris buildup, especially around ventilation areas. Use a soft, dry cloth.
- **Firmware Updates:** Check the WAVLINK official website for the latest firmware updates. Keeping the firmware updated ensures optimal performance, security, and access to new features.
- **Environmental Checks:** Ensure the mounting remains secure and the cables are free from damage, especially after severe weather conditions.

7. TROUBLESHOOTING

- **No Power:** Ensure the PoE injector is properly connected to a power source and the Ethernet cable is securely connected to the device's PoE port. Check the power LED on the device.
- **No Internet Access:** Verify that your main internet source (modem/router) is working correctly. Check the WAN/LAN LED on the device. Ensure the device is configured in the correct operating mode.
- **Weak Signal/Poor Performance:** Adjust the device's position and antenna orientation. Ensure there are no major obstructions between the device and client devices. Consider reducing the distance between the device and the main router if in Repeater mode.
- **Cannot Access Web Interface:** Ensure your computer is connected to the device's network (either directly or via Wi-Fi). Verify the IP address used to access the interface is correct. Try resetting the device to factory defaults (refer to the quick start guide for reset instructions).

8. SPECIFICATIONS

Feature	Detail
Model Number	WN572HG3
Product Dimensions	11.5 x 4.8 x 2.4 inches
Item Weight	1 pounds
Wireless Communication Standard	802.11ac
Data Transfer Rate	1200 Megabits Per Second
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Special Feature	Access Point Mode, Router Mode, Repeater Mode, WISP Mode, PoE, Weatherproof
Manufacturer	WAVLINK
Date First Available	May 12, 2022

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official WAVLINK website. Keep your purchase receipt for warranty claims.