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WAVLINK WL-WN575A3--R

WAVLINK Aerial D4 AC1200 Dual-Band Wireless AP/Range Extender/Router

Model: WL-WN575A3

Brand: WAVLINK

Product Overview

The WAVLINK Aerial D4 WL-WN575A3 is a versatile networking device designed to expand your existing wireless network and eliminate dead spots. It functions as an Access Point (AP), Range Extender (Repeater), or Router, leveraging 802.11ac technology for next-generation Wi-Fi performance.

This device supports dual-band technology, operating on both 2.4GHz and 5GHz frequencies, providing combined speeds of up to 1167Mbps (N300 + AC867). This enables smooth HD video streaming, online gaming, and general web browsing without interruption, making it suitable for large homes with multiple devices and heavy online media usage.



Figure 1: Front view of the WAVLINK Aerial D4 WL-WN575A3 device, showcasing its four external antennas and front panel with WPS button and LED indicators.

Key Features

- **Easy Wireless Security Encryption:** Secure your network with a simple push of the WPS button.
- **Multi-function Operating Selection:** A dedicated function selection button allows for easy switching between AP, Repeater, and Router modes to suit various networking needs.
- **LED Indicators:** Clear LED lights provide real-time status updates on the device's working conditions, including Wi-Fi, WPS, WAN/LAN, LAN, and Power.
- **RJ-45 Ethernet Ports:** Equipped with two 10/100Mbps Ethernet LAN/WAN ports, offering flexible connectivity options for wired devices.
- **Dual-Band Wireless Connectivity:** Supports simultaneous 2.4G and 5G wireless network connections, delivering high transmission speeds up to 1167Mbps.



Figure 2: Detailed view of the WAVLINK Aerial D4, highlighting key components such as the Reset Button, WPS Button, LAN/WAN ports, Mode Switch Button, Detachable Plug, Vents, and LED Lights.

Setup Guide

1. Initial Setup and Power On

1. Unpack the device and ensure all components are present.
2. Plug the WAVLINK Aerial D4 into a standard electrical outlet. The Power LED indicator should illuminate.
3. Wait for approximately 30-60 seconds for the device to boot up.

2. Selecting an Operation Mode

The WAVLINK Aerial D4 supports three primary operation modes: Access Point (AP), Repeater (Range Extender), and

Router. Use the Mode Switch Button located on the device to select your desired mode.



Figure 3: Diagram illustrating the three operational modes: AP, Repeater, and Router, showing how the device integrates into different network setups.

- **AP Mode:** Converts a wired network connection into a wireless one. Ideal for adding Wi-Fi capability to a wired router.
- **Repeater Mode:** Extends the coverage of an existing wireless network. Best for eliminating Wi-Fi dead zones.
- **Router Mode:** Functions as a primary router, creating a new wireless network from a modem connection.

After selecting the mode, connect to the device's default Wi-Fi network (SSID and password usually found on a label on the device or in the quick start guide) and access the web-based management interface via a web browser (e.g., 192.168.10.1 or wavlink.com) to complete the configuration.

3. WPS (Wi-Fi Protected Setup) Configuration

WPS allows for a quick and secure connection to your wireless network without manually entering the password.

1. Ensure your main router supports WPS.
2. Press the WPS button on your main router.
3. Within two minutes, press the WPS button on the WAVLINK Aerial D4.
4. The WPS LED indicator on the device will flash during the connection process and become solid when a secure connection is established.

Operating Instructions

LED Indicator Status

Indicator	Status	Description

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Wi-Fi	Solid On	Wireless function is active.
	Flashing	Data is being transmitted or received.
WPS	Solid On	WPS connection successful.
	Flashing	WPS pairing in progress.
WAN/LAN	Solid On	Ethernet cable connected to WAN/LAN port.
	Flashing	Data is being transmitted or received via WAN/LAN port.
LAN	Solid On	Ethernet cable connected to LAN port.
	Flashing	Data is being transmitted or received via LAN port.
Power	Solid On	Device is powered on.

Maintenance

Firmware Updates

Periodically check the official WAVLINK website for firmware updates. Firmware updates can improve performance, add new features, and address security vulnerabilities. Refer to the WAVLINK support page for specific instructions on how to download and install firmware for your WL-WN575A3 model.

Cleaning

To maintain optimal performance, keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosol sprays. Ensure the device is unplugged before cleaning.

Troubleshooting

Common Issues and Solutions

- **No Power:**

  Solution: Ensure the device is securely plugged into a working electrical outlet. Check the power adapter and cable for any damage. Try a different outlet.

- **Cannot Connect to Wi-Fi:**

  Solution: Verify that the Wi-Fi LED indicator is on. Ensure you are selecting the correct Wi-Fi network (SSID) and entering the correct password. Try restarting both the WAVLINK device and your client device (phone, laptop). If in Repeater mode, ensure it is within range of your main router.

- **Slow Internet Speed:**

  Solution: Check the signal strength of the WAVLINK device. If in Repeater mode, try repositioning it closer to your main router. Ensure there are no physical obstructions (thick walls, metal objects) interfering with the signal. Reduce the number of connected devices or bandwidth-intensive activities. Consider updating firmware.

- **Cannot Access Web Management Interface:**

  Solution: Ensure your device is connected to the WAVLINK's network (either wirelessly or via Ethernet). Verify the IP address or domain name (e.g., 192.168.10.1 or wavlink.com) is entered correctly in your browser. Clear your browser's cache or try a different browser. Temporarily disable any firewall or antivirus software.

- **WPS Connection Fails:**

  Solution: Ensure both the router and the WAVLINK device are WPS-enabled. Press the WPS button on both devices within the specified time frame (usually 2 minutes). If it continues to fail, try configuring the device manually via the web management interface.

If the issue persists after trying these solutions, please refer to the official WAVLINK support resources or contact customer service.

Technical Specifications

Model Number	WL-WN575A3--R
Brand	WAVLINK
Wireless Standard	802.11ac
Data Transfer Rate	Up to 1200 Mbps (N300 + AC867)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Ethernet Ports	2 x 10/100Mbps RJ-45 (LAN/WAN)
Special Features	WPS, Multi-function Operating Selection (AP/Repeater/Router)
Antennas	4 x High-Performance External Antennas

Warranty Information

WAVLINK products typically come with a limited manufacturer's warranty. The duration and terms of the warranty may vary based on your region and the specific product. Please retain your proof of purchase for warranty claims.

For detailed warranty information, including coverage, exclusions, and the claims process, please visit the official WAVLINK website or contact their customer support directly. This product is listed as "Renewed," which may affect warranty terms; please consult the seller or WAVLINK for specific details regarding renewed product warranties.

Customer Support

For further assistance, technical support, or inquiries regarding your WAVLINK Aerial D4 WL-WN575A3, please utilize the following resources:

- **Official WAVLINK Website:** Visit www.wavlink.com for product manuals, FAQs, driver downloads, and support contact information.
- **Online Support Portal:** Many common issues can be resolved by consulting the knowledge base or submitting a support ticket through the WAVLINK support portal.
- **Email Support:** Contact WAVLINK customer service via email for non-urgent inquiries.
- **Phone Support:** Check the WAVLINK website for regional phone support numbers and operating hours.

When contacting support, please have your product model number (WL-WN575A3) and a detailed description of your issue ready.

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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.

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