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› [WAVLINK](#) /

› [WAVLINK 4G LTE Outdoor Router User Manual - Model 529E4D](#)

WAVLINK 529E4D

WAVLINK 4G LTE Outdoor Router User Manual

MODEL: 529E4D

Brand: WAVLINK

Introduction

This manual provides comprehensive instructions for the WAVLINK 4G LTE Outdoor Router, Model 529E4D. This device offers reliable 4G LTE and dual-band Wi-Fi connectivity (2.4 GHz and 5 GHz), suitable for both home use and mobile applications. It supports IEEE 802.11a/b/g/n/ac standards, providing combined Wi-Fi speeds up to 1200 Mbps. The router is designed for areas with limited traditional broadband access, enabling instant Wi-Fi via 4G LTE technology.



Figure 1: WAVLINK 4G LTE Outdoor Router (Model 529E4D)

Package Contents

Verify that your package contains the following items:

- 1 x WAVLINK 4G LTE WiFi Router
- 1 x Power Adapter
- 1 x RJ45 Ethernet Cable
- 1 x SIM Card Needle
- 1 x Quick Start Guide

Setup Instructions

1. **Insert SIM Card:** Locate the Nano SIM card slot on the router. Use the provided SIM card needle to open the tray. Insert your Nano SIM card into the tray, ensuring correct orientation. Close the tray securely.



Figure 2: Router with SIM card slot and ports visible.

2. **Connect Power:** Connect the power adapter to the router's power input port and then plug it into a power outlet. The router will power on automatically.
3. **Antenna Installation:** Ensure all four 5 dBi foldable antennas are securely attached and positioned for optimal signal reception. You can adjust their direction to improve signal strength.
4. **Initial Configuration (Optional):** For initial setup or advanced settings, connect a computer to one of the router's LAN ports using the Ethernet cable, or connect wirelessly to the default Wi-Fi network (SSID and password usually found on a label on the router). Open a web browser and enter the router's default IP address (refer to the Quick Start Guide for details). Follow the on-screen instructions to configure your network settings.

Operating Instructions

The WAVLINK 4G LTE Router supports various operating modes to suit your connectivity needs.

- **4G Mode:** With a Nano SIM card inserted, the router will automatically establish a 4G LTE connection, providing internet access to all connected devices via Wi-Fi or Ethernet. This mode offers download speeds up to 150 Mbps (CAT4).
- **Router Mode:** Connect the router's WAN port to an existing broadband modem (e.g., DSL/Cable modem) to use it as a standard Wi-Fi router. This mode provides combined Wi-Fi speeds up to 300 Mbps at 2.4 GHz.
- **4G/Router Mix Mode:** This mode allows the router to use 4G LTE as a primary or backup internet source, switching to 4G if the wired WAN connection fails.

You can connect up to 15 devices simultaneously to the router's Wi-Fi network. The router features WPA2-PSK encryption and an integrated firewall to protect your network from unauthorized access and online threats.

Maintenance

- **Cleaning:** Gently wipe the router with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the router is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Firmware Updates:** Periodically check the WAVLINK official website for firmware updates. Keeping your router's firmware up-to-date ensures optimal performance and security.
- **Restarting:** If you experience network issues, try restarting the router by unplugging the power adapter, waiting 10 seconds, and then plugging it back in.

Troubleshooting

No Internet Connection:

- Ensure the SIM card is correctly inserted and active with a data plan.
- Check the signal strength indicators on the router or via the web management page.
- If using Router Mode, verify the WAN cable connection and the status of your broadband modem.
- Restart the router.

Weak Wi-Fi Signal:

- Adjust the router's antennas for better reception.
- Relocate the router to a central location, away from obstructions and interference sources (e.g., microwaves, cordless phones).
- Reduce the distance between your devices and the router.

Cannot Access Web Management Page:

- Ensure your device is connected to the router's network (wired or wireless).
- Verify that you are entering the correct IP address in your web browser.
- Clear your browser's cache or try a different browser.

Technical Specifications

Feature	Detail
Brand	WAVLINK
Model Number	529E4D
Wireless Standards	802.11a/b/g/n/ac
Data Transfer Rate	Up to 1200 Mbps (Combined Wi-Fi)
Wi-Fi Frequency	2.4 GHz and 5 GHz
4G LTE Category	Cat4 (up to 150 Mbps download)
Antennas	4 x 5 dBi Foldable Antennas
Ethernet Ports	1 x WAN 10/100 Mbps, 2 x LAN 10/100 Mbps
SIM Card Type	Nano SIM
Security	WPA2-PSK, Integrated Firewall

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.

