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## WONLINK WL-NE3501

# WONLINK WiFi Range Extender User Manual

Model: WL-NE3501

## 1. INTRODUCTION

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The WONLINK WiFi Range Extender is designed to expand your existing wireless network coverage, eliminate Wi-Fi dead zones, and provide a strong, stable internet connection throughout your home or office. With dual-band technology and multiple operation modes, it offers versatile solutions for various networking needs.



Image: Front view of the WONLINK WiFi Range Extender with four antennas, showing blue light indicators and the WONLINK logo.

# Expand WiFi Coverage Eliminate WiFi Dead Zones

It will Expand Your WiFi Coverage to Areas  
Your Router Can't Reach on Its Own

- Repeater Extended Range
- Router's Wireless Range



Image: Diagram illustrating how the WiFi extender expands coverage from a router to eliminate dead zones in a house.

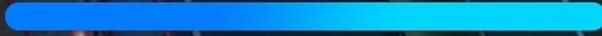
## 2. KEY FEATURES

- **Extended Coverage:** Expands existing Wi-Fi coverage up to 8000 sq.ft, penetrating floors and walls to reach every corner.
- **High-Speed Performance:** Dual-band technology (5GHz up to 867Mbps & 2.4GHz up to 300Mbps) provides a total network speed of up to 1200Mbps for smooth streaming and gaming.
- **Multiple Operation Modes:** Supports Repeater, AP, and Router modes to meet diverse networking requirements.
- **Easy Setup:** Features WPS function for quick setup (within 30 seconds) and web browser configuration for detailed settings.
- **Broad Compatibility:** Compatible with any standard router, access point, and supports up to 35 devices simultaneously.
- **Enhanced Security:** Supports WEP/WPA/WPA2 wireless security protocols to protect your network and data.
- **Efficient Heat Dissipation:** Designed with double-sided cooling holes to ensure stable operation and extend

product lifespan.

# High Performance Dual-Band WiFi Up to 1200 Mbps

5.8GHz Up to 867Mbps



2.4GHz Up to 300Mbps

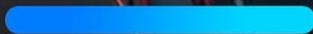


Image: Graphic illustrating the high performance dual-band WiFi, showing 5.8GHz up to 867Mbps and 2.4GHz up to 300Mbps.

# Powerful Chip & Multi-Function

Newest Version of the Chip Stronger Compatibility,  
Better Performance

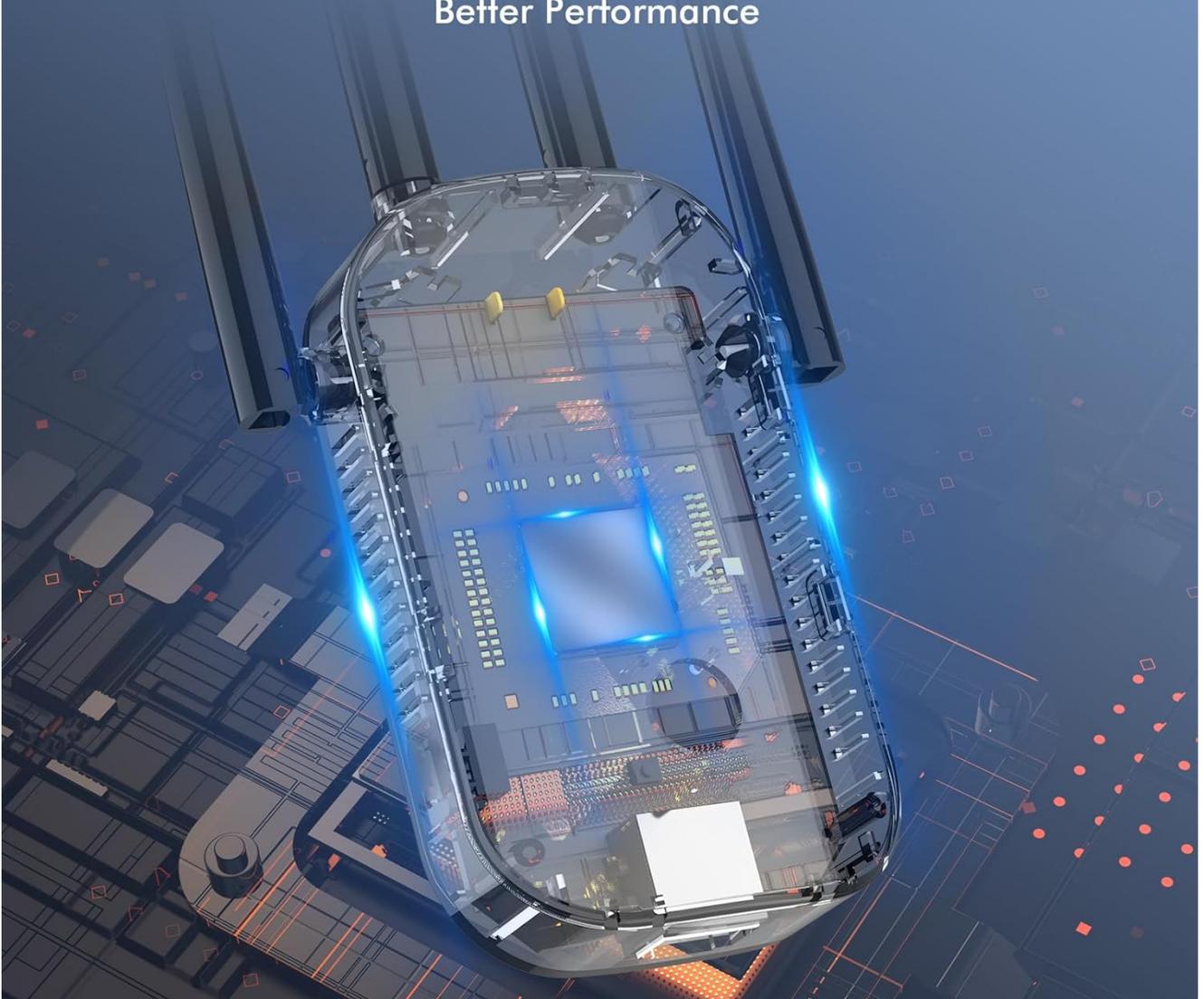


Image: Transparent view of the WiFi extender, highlighting its powerful internal chip and multi-function capabilities.

# Stable WiFi Signal Transmission for All Your Devices

Laptop



Smartphones



Tablet PC



Games  
Console



Smart  
Appliances



**25+**  
Devices



**99%**  
Routers

Image: Visual representation of various devices (laptops, smartphones, tablets, game consoles, smart appliances) connected to the WiFi extender, emphasizing stable signal transmission.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- 1x WONLINK WiFi Extender Booster
- 1x User Manual
- 1x RJ45 Networking Cable

## 4. SETUP GUIDE

### 4.1. Powering On

Plug the WiFi Extender into a power outlet. Wait for the power indicator light to turn solid blue, indicating it is ready for setup.

## 4.2. WPS (Wi-Fi Protected Setup) Method

This is the quickest way to set up your extender if your router supports WPS.

1. Plug the WONLINK WiFi Extender into a power outlet near your main router.
2. Wait for the power indicator light on the extender to become stable.
3. Press the WPS button on your main router.
4. Within 2 minutes, press the WPS button on the WONLINK WiFi Extender.
5. The extender's signal indicator light will flash and then turn solid blue, indicating a successful connection.
6. You can now unplug the extender and move it to a location between your router and the Wi-Fi dead zone. Ensure the signal indicator remains solid blue for optimal performance.

## 4.3. Web Browser Setup Method

Use this method if your router does not have a WPS button or for more advanced configuration.

1. Plug the WONLINK WiFi Extender into a power outlet.
2. On your computer or smartphone, connect to the extender's default Wi-Fi network (e.g., "WONLINK\_Extender" or similar, usually found on a sticker on the device). No password is required initially.
3. Open a web browser (e.g., Chrome, Firefox, Safari) and enter 192.168.10.1 in the address bar.
4. Log in using the default username and password (usually "admin" for both, check the device sticker or user manual for specifics).
5. Follow the on-screen instructions to select your desired operation mode (Repeater, AP, or Router) and configure the network settings. For Repeater mode, select your home Wi-Fi network and enter its password.
6. Once configured, the extender will restart. Reconnect your devices to the new extended Wi-Fi network.



## Super Easy Set-Up

### ① WPS Button



With a simple tap of the WPS button, the WiFi Extender pairs with any router (with WPS function)

### ② Web Setup



Connect to the repeater's wifi, enter IP:192.168.10.1 in your browser to configure it.

Image: Visual guide for the two easy setup methods: WPS button pairing and web browser configuration via IP address.

## 5. OPERATION MODES

The WONLINK WiFi Range Extender supports multiple operation modes to suit different networking environments.

### 5.1. Repeater Mode

Extends the existing Wi-Fi coverage of your main router to a larger area, eliminating dead zones. This is the most common mode for home users.

- Connects wirelessly to your existing router.
- Broadcasts the extended Wi-Fi signal.

### 5.2. Router Mode

Functions as a standalone wireless router, creating a new private network. Ideal for situations where you only have a modem and need a Wi-Fi network.

- Connects to a modem via an Ethernet cable.

- Creates a new Wi-Fi network for your devices.

### 5.3. AP (Access Point) Mode

Converts a wired internet connection into a wireless network. Useful for adding Wi-Fi capability to a wired-only network or extending a wired network wirelessly.

- Connects to your existing router or network switch via an Ethernet cable.
- Broadcasts a new Wi-Fi signal.

## Multiple Application Modes

① **Repeater Mode** Wireless connection to extend existing WiFi coverage.



Connects to any modem and works as a standalone router. ② **Router Mode**



③ **AP Mode** Wired connection, converts wired Internet connection into wireless WiFi for expansion.



Image: Flowchart showing the three main application modes: Repeater Mode (extending existing WiFi), Router Mode (creating a new WiFi from modem), and AP Mode (converting wired to wireless).

## 6. SPECIFICATIONS

Feature	Description
Model Number	WL-NE3501

Wireless Standard	802.11a/b/g/n, 802.11 ac
Data Transfer Rate	Up to 1200 Mbps (867Mbps for 5GHz, 300Mbps for 2.4GHz)
Frequency Band	Dual-Band (2.4GHz & 5GHz)
Security Protocols	WEP, WPA, WPA2
Ports	Fast Ethernet Port
Dimensions	8.27 x 3.9 x 3.03 inches
Item Weight	5.6 ounces

## 7. MAINTENANCE AND CARE

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- **Placement:** For optimal performance, place the extender in a central location between your router and the area where you need improved Wi-Fi coverage. Avoid placing it near large metal objects, concrete walls, or other electronic devices that may cause interference.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the ventilation holes are not blocked to prevent overheating.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates to ensure optimal performance and security.

# Making WiFi Signals Available Everywhere

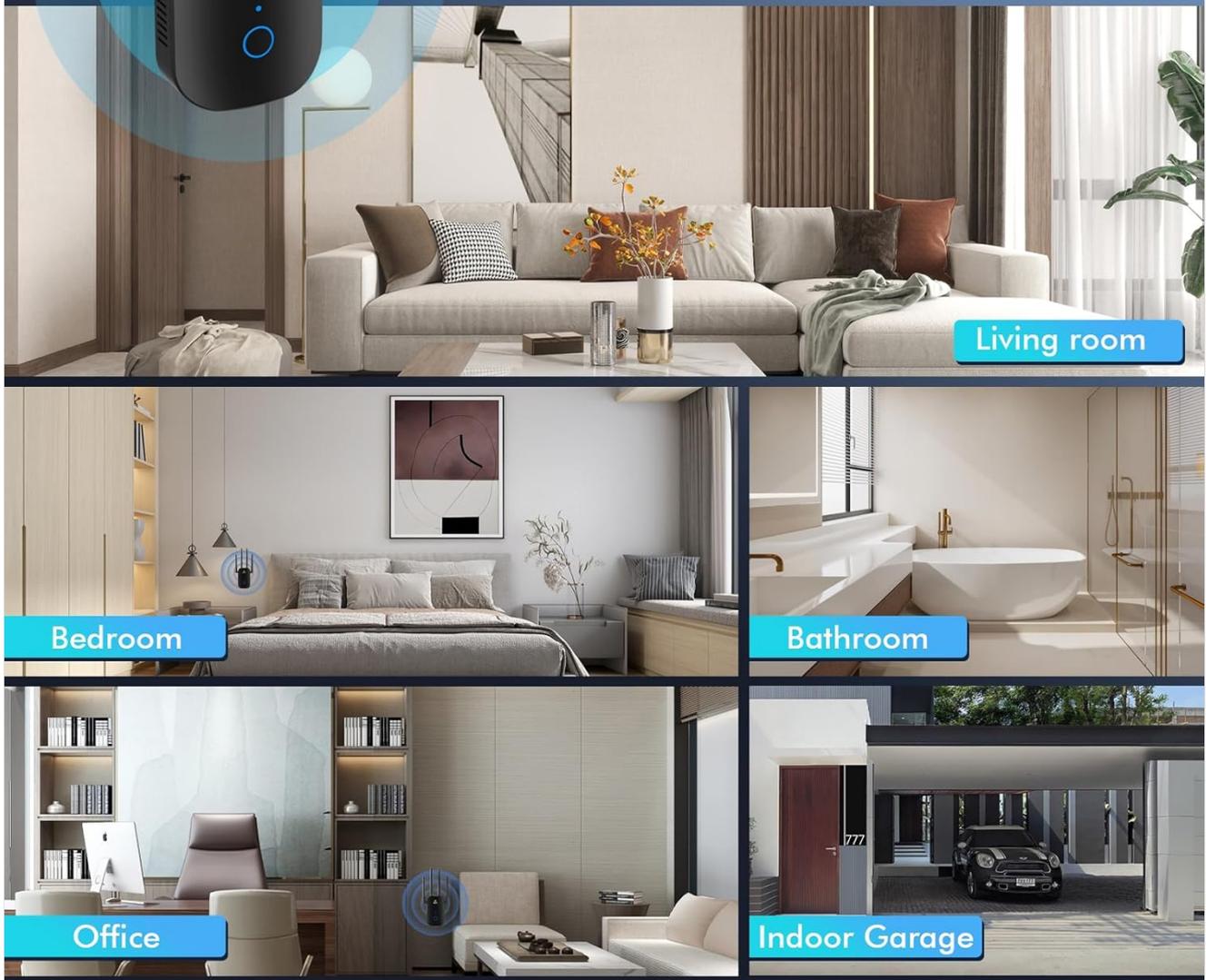


Image: Illustration demonstrating how the WiFi extender can make signals available everywhere in a home, showing placement in living room, bedroom, bathroom, office, and indoor garage.

## 8. TROUBLESHOOTING

- **No Power:** Ensure the extender is securely plugged into a working power outlet. Try a different outlet.
- **Cannot Access Web Management Page:**
  - Ensure your device is connected to the extender's Wi-Fi network (or via Ethernet cable if applicable).
  - Verify that you have entered the correct IP address (192.168.10.1) in your browser.
  - Clear your browser's cache and cookies, or try a different browser.
  - Temporarily disable any VPN or firewall software.
- **Poor Signal Strength or Frequent Disconnections:**
  - Relocate the extender closer to your main router. The ideal location is halfway between the router and the dead zone.
  - Ensure there are no major obstructions (thick walls, large metal objects) between the extender and your

router/devices.

- Check for interference from other electronic devices (microwaves, cordless phones).
- Ensure your main router's Wi-Fi signal is strong and stable.

- **Extended Network Not Visible or Not Working:**

- Perform a factory reset on the extender (usually by pressing and holding the reset button for 5-10 seconds with a paperclip) and reconfigure it.
- Verify that you entered the correct Wi-Fi password for your main router during setup.
- Ensure the extender is in the correct operation mode (e.g., Repeater mode if extending an existing network).

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official WONLINK website or contact their customer service directly. You may also find additional resources and FAQs on their support pages.

A digital version of the Instructions for Use (IFU) is available as a PDF document: [Instructions for Use \(PDF\)](#)

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