

WONLINK WL-NE3502

WONLINK WiFi Extender WiFi Booster 3502 User Manual

Model: WL-NE3502

1. INTRODUCTION

The WONLINK WiFi Extender WiFi Booster 3502 is designed to expand your existing wireless network coverage, eliminate WiFi dead zones, and provide a stable, high-speed internet connection throughout your home or office. This device supports dual-band operation (2.4GHz and 5GHz) and is equipped with four high-gain antennas to enhance signal strength and reliability.



Image: The WONLINK WiFi Extender 3502, a black device with four adjustable antennas and blue LED indicators, designed to boost wireless signals.

Key Features:

- **1200Mbps Dual Band WiFi:** Supports both 2.4GHz (for longer range and wall penetration) and 5GHz (for faster speeds and reduced interference) bands.
- **External 4 High Gain Antennas:** Four antennas improve WiFi coverage and eliminate dead spots.
- **One-tap Connection Via WPS:** Simplifies setup by pressing the WPS button on both the extender and router.
- **US WiFi Security Protocol:** Compliant with IEEE 802.11 a/b/g/n/ac standards, supporting WEP/WPA/WPA2 for secure network access.
- **Support More Than 35 Devices:** Compatible with various devices including smartphones, tablets, PCs, and multimedia players.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 * WONLINK WiFi Extender WiFi Booster 3502

- 1 * User Manual (this document)

3. PRODUCT OVERVIEW

The WONLINK WiFi Extender 3502 features a compact design with integrated power plug and adjustable antennas. LED indicators on the front panel provide status information regarding power, WiFi signal, and WPS activity.



Image: A visual representation of the WONLINK WiFi Extender 3502, illustrating its function of extending wireless signals throughout an area.

The device is equipped with a WPS button for quick setup and an Ethernet port for wired connections, allowing it to function as an access point or to connect a wired device to the extended network.

4. SETUP INSTRUCTIONS

There are two primary methods to set up your WONLINK WiFi Extender: using the WPS button or via a web browser.

4.1. WPS (Wi-Fi Protected Setup) Method

1. **Power On:** Plug the WiFi extender into an electrical outlet near your main router. Wait for the power indicator light to become stable.
2. **Activate WPS on Router:** Press the WPS button on your main WiFi router. Refer to your router's manual for the exact location and timing.
3. **Activate WPS on Extender:** Within 2 minutes of pressing WPS on your router, press the WPS button on the WONLINK WiFi Extender for 2 seconds.
4. **Connect:** The extender's WPS indicator light will flash and then turn solid, indicating a successful connection. The extender will now broadcast an extended WiFi signal.

Note: If your router does not have a WPS button or if the WPS connection fails, please use the Web Browser Setup

Method.

4.2. Web Browser Setup Method

1. **Power On:** Plug the WiFi extender into an electrical outlet. Wait for the power indicator light to become stable.
2. **Connect to Extender's WiFi:** On your smartphone, tablet, or computer, connect to the WiFi network named "XXXXX-2G" or "XXXXX-5G" (where XXXXX is part of the extender's default SSID). There is no password for this initial connection.
3. **Open Web Browser:** Open a web browser (e.g., Chrome, Safari, Firefox) and enter **192.168.10.1** in the address bar.
4. **Login:** When prompted, enter "admin" as the password and click "Login".
5. **Select Mode:** Choose "Repeater Mode" from the available options.
6. **Select WiFi Network:** The extender will scan for available WiFi networks. Select your main WiFi network (SSID) from the list.
7. **Enter Password:** Enter the password for your main WiFi network. You can also customize the extended network's SSID if desired.
8. **Confirm and Connect:** Review your settings and confirm. The extender will restart and connect to your main router. Once the indicator lights are stable, the extended network is ready for use.

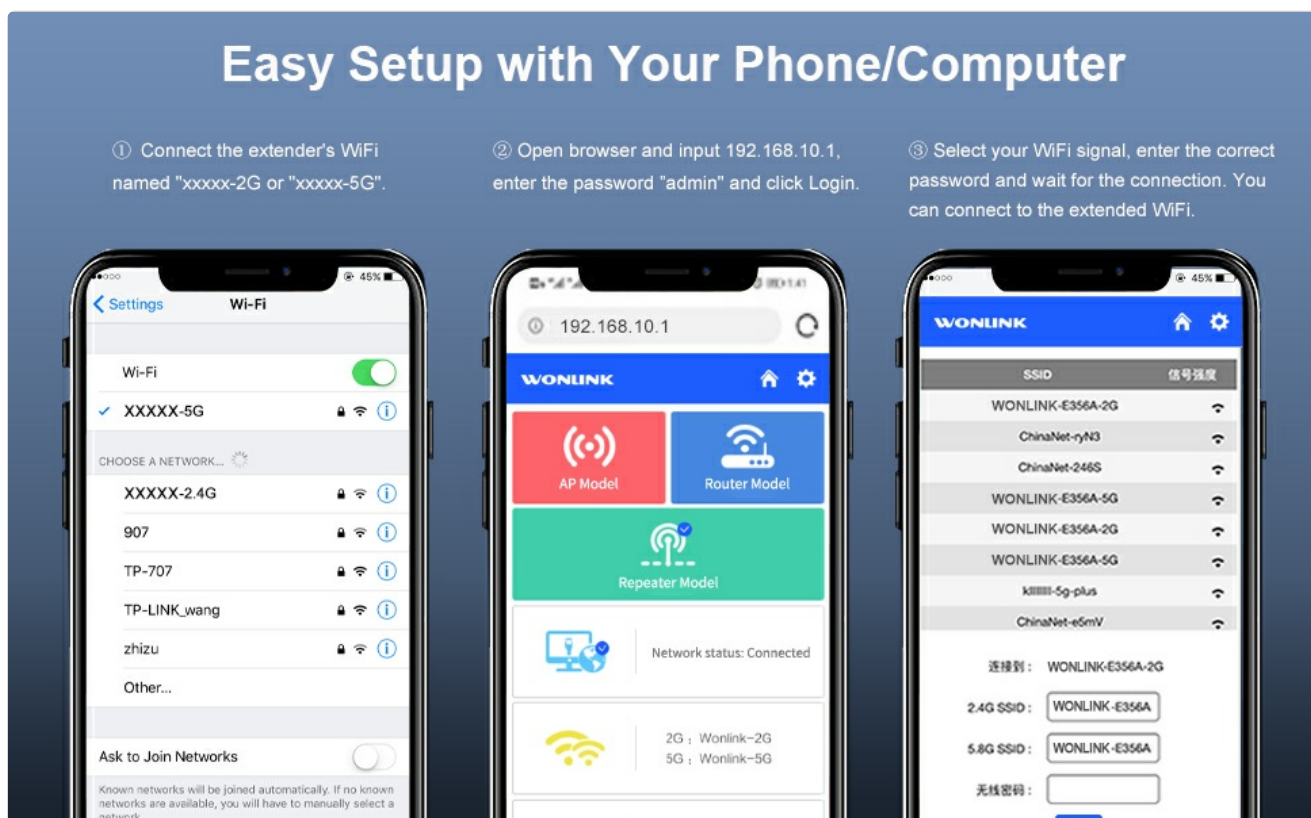


Image: A visual guide demonstrating the steps for setting up the WiFi extender using a smartphone's web browser, including connecting to the extender's default WiFi, accessing the setup page, and selecting the main WiFi network.

5. OPERATING THE WiFi EXTENDER

Once set up, the WONLINK WiFi Extender operates by repeating the signal from your main router. For optimal performance, place the extender midway between your router and the area where you need improved WiFi coverage. Avoid placing it near large metal objects, concrete walls, or other sources of interference.

5.1. Dual-Band Operation

The extender broadcasts both 2.4GHz and 5GHz WiFi signals. Devices will automatically connect to the most suitable band based on their capabilities and signal strength. The 2.4GHz band offers wider coverage and better wall penetration, while the 5GHz band provides faster speeds for activities like HD streaming and online gaming over shorter distances.



High-Speed, Superior Experience

The repeater complies with advanced IEEE 802.11ac standard, providing excellent high-speed and superior experience for HD video streaming, online gaming and large file transfers.

802.11ac



802.11n



Relatively
Improve
35%

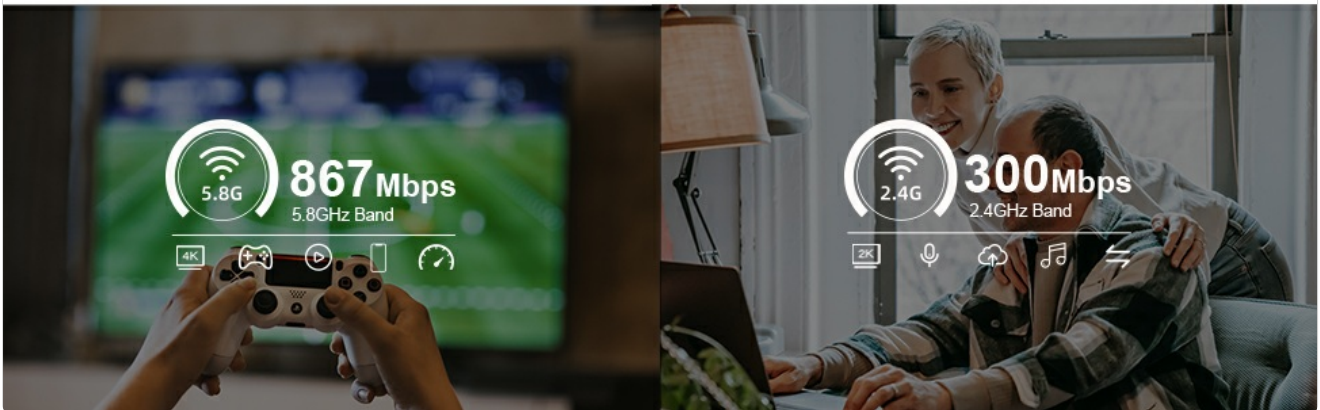


Image: An illustration comparing the speed capabilities of 802.11ac (5.8GHz band, 867Mbps) and 802.11n (2.4GHz band, 300Mbps), highlighting the performance benefits of dual-band technology.

5.2. Maximizing Coverage

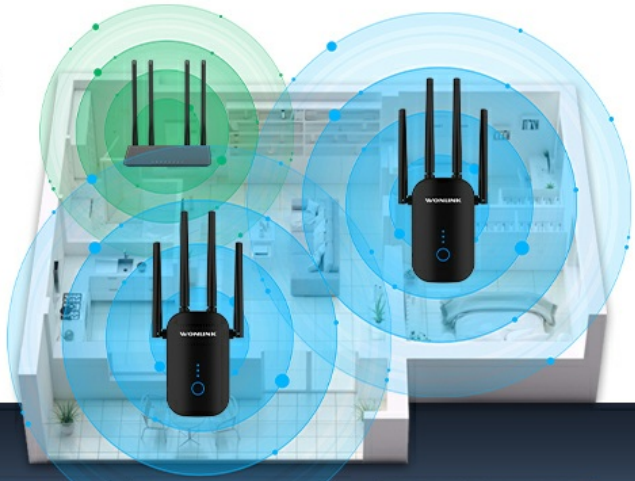
The four high-gain antennas are rotatable. Adjust them to different angles to optimize signal reception and transmission. Experiment with antenna positions to find the best coverage for your environment.

Strong Wireless Coverage

Expanding Home WiFi Coverage,
Get Every one Connected.

50%
Signal Speed

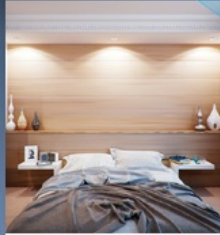
120m²
Coverage Area



Kitchen



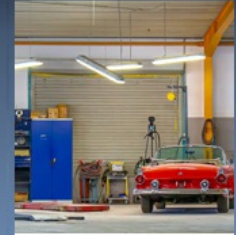
Living Room



Bedroom



Bathroom



Garage

Image: A diagram illustrating how the WiFi extender expands coverage to different areas of a home, including the kitchen, living room, bedroom, bathroom, and garage, ensuring connectivity in previously weak signal zones.

MU-MIMO Tech for Increased Capacity

Improve network utilization rate to solve the problem of simultaneous communication with more wireless terminals.



Image: An illustration explaining MU-MIMO technology, demonstrating how the WONLINK extender efficiently handles simultaneous communication with multiple wireless devices, improving network utilization and capacity compared to older technologies.

6. MAINTENANCE

To ensure the longevity and optimal performance of your WiFi extender, follow these maintenance guidelines:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to remove dust. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the extender is placed in a well-ventilated area. Do not block the ventilation holes.
- **Power Cycle:** If you experience performance issues, try unplugging the extender from the power outlet for 10 seconds and then plugging it back in. This can resolve minor glitches.
- **Firmware Updates:** Periodically check the WONLINK official website for any available firmware updates. Updating firmware can improve performance and security.

7. TROUBLESHOOTING

If you encounter issues with your WiFi extender, refer to the following common problems and solutions:

Problem	Solution
Extender not showing up in WiFi list during setup.	Ensure the extender is powered on and wait for a few minutes for it to boot up. Try unplugging and replugging the device. If still not visible, perform a factory reset (refer to the manual for reset instructions, typically a small button).
WPS setup fails.	Ensure you press the WPS button on both the router and extender within the specified timeframe (usually 2 minutes). If it continues to fail, use the Web Browser Setup Method.
Poor signal strength or slow speeds after setup.	Reposition the extender. It should be placed midway between your router and the area needing coverage, not too close to either. Adjust the antennas. Ensure there are no major obstructions like thick walls or large metal objects.
Connected to extender, but no internet access.	Verify that your main router has an active internet connection. Re-run the setup process to ensure the extender is correctly connected to your main router's network.
LED lights are too bright.	The device does not have a built-in feature to dim or turn off the LED lights. Consider placing the extender in a less visible location or using a light-blocking sticker if the brightness is disruptive.

8. SPECIFICATIONS

Feature	Detail
Model Number	WL-NE3502
Brand	WONLINK
Wireless Communication Standard	802.11a/b/g/n/ac
Data Transfer Rate	1200 Megabytes Per Second (Mbps)
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)

Feature	Detail
Antennas	4*3dBi High-Gain Rotatable Antennas
Security Protocols	WEP/WPA/WPA2/WPA2-PSK
Item Weight	7 ounces
Package Dimensions	8.11 x 3.86 x 3.03 inches
Compatibility	Compatible with any standard routers/gateway and WiFi-enabled devices.

9. WARRANTY AND SUPPORT

WONLINK is committed to providing reliable products and customer satisfaction. While specific warranty details are not provided in this manual, the product comes with 24-hour online technical support.



Widely Compatible

Compatible with 99% of routers and other devices on the market



Advanced Security

64/128bit WEP, WPA/ WPA2 encryption standards ensure your data is safe from intruders.



24H Technical Support

We offer online technical support when you contact us

Image: An illustration highlighting key product benefits: wide compatibility with 99% of routers, advanced security protocols (WEP/WPA/WPA2) to protect data, and the availability of 24-hour online technical support.

For technical assistance, troubleshooting, or any product-related inquiries, please contact WONLINK customer support through the official channels provided at the point of purchase or on the WONLINK website. Please have your model number (WL-NE3502) ready when contacting support.

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This manual is for informational purposes only. Specifications are subject to change without notice.

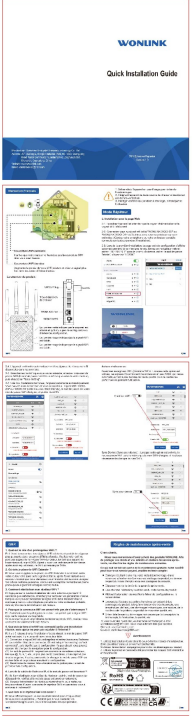

Related Documents

[WONLINK WL-NE3502 WiFi Extender: 1200Mbps Dual Band WiFi Booster Setup Guide](#)

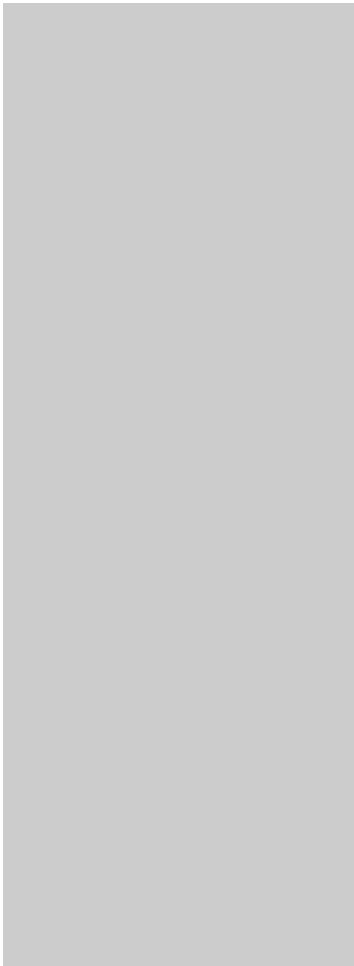
User guide for the WONLINK WL-NE3502 WiFi Extender, a 1200Mbps dual-band WiFi booster and repeater. Includes setup instructions, features, and specifications for enhanced wireless network coverage.

[WONLINK WiFi Extender AC1200 User Manual and Setup Guide](#)

Comprehensive guide for setting up and using the WONLINK WiFi Extender AC1200, including features, modes, and troubleshooting.

	<p>WONLINK NE3503B WiFi Repeater Quick Installation Guide</p> <p>This guide provides instructions for installing the WONLINK NE3503B WiFi Repeater, a 1200Mbps dual-band device designed to extend wireless network coverage up to 120 . Learn about setup, configuration, and compliance.</p>
	<p>WONLINK WL-NE3503 WiFi Extender/Repeater Quick Installation Guide</p> <p>This guide provides step-by-step instructions for installing and configuring the WONLINK WL-NE3503 WiFi Extender/Repeater, including setup, troubleshooting tips, and important safety and regulatory information.</p>

Documents - WONLINK – WL-NE3502



[WONLINK WL-NE3502 WiFi Extender: 1200Mbps Dual Band WiFi Booster Setup Guide](#)

User guide for the WONLINK WL-NE3502 WiFi Extender, a 1200Mbps dual-band WiFi booster and repeater. Includes setup instructions, features, and specifications for enhanced wireless network coverage.

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