

WONLINK 3503-2

WONLINK WiFi Repeater 3503-2 User Manual

Model: 3503-2 | Brand: WONLINK

1. PRODUCT OVERVIEW

The WONLINK WiFi Repeater 3503-2 is designed to extend the coverage of your existing wireless network, eliminating Wi-Fi dead zones and providing a strong, reliable signal throughout your home or office. This device acts as a signal amplifier, boosting your current Wi-Fi signal to reach areas that previously had weak or no coverage. It supports dual-band operation (2.4GHz and 5GHz) and offers multiple operating modes, including Repeater, Access Point (AP), and Router mode, to suit various networking needs. Its compact design and easy setup make it an ideal solution for enhancing your wireless experience.



Figure 1: WONLINK WiFi Repeater 3503-2. This image shows the front view of the white WiFi repeater with four adjustable antennas and a blue LED indicator light.

2. SAFETY INFORMATION

- Ensure the device is plugged into a power outlet with the correct voltage.
- Do not expose the device to water, moisture, or extreme temperatures.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Contact qualified personnel for service.
- Keep the device away from children and pets.
- For indoor use only.

3. PACKAGE CONTENTS

Please check the package for the following items:

- WONLINK WiFi Repeater 3503-2 Unit
- Ethernet Cable (may vary by package)
- Quick Installation Guide

If any item is missing or damaged, please contact your retailer or WONLINK customer support.

4. PRODUCT FEATURES

The WONLINK 3503-2 WiFi Repeater comes equipped with several advanced features to ensure optimal performance and user convenience:

- **High-Speed Performance:** Supports up to 1200Mbps combined speed (300Mbps on 2.4GHz and 867Mbps on 5.8GHz) for smooth streaming and gaming.
- **Dual-Band Connectivity:** Operates on both 2.4GHz and 5GHz bands, providing flexible and stable connections.
- **Advanced Dual-Core Chip:** Ensures high speed, stability, and enhanced security for your network.
- **High Gain Antennas:** Features four 3dBi high-gain antennas for extended coverage and improved signal strength.
- **Fast Ethernet Port:** Includes a Fast Ethernet port for wired connections to devices like smart TVs, PCs, or gaming consoles.
- **Efficient Heat Dissipation:** Designed with effective heat dissipation mechanisms to ensure stable operation.
- **Advanced Security Protocols:** Supports modern encryption standards to protect your wireless network.
- **Wide Compatibility:** Compatible with all standard Wi-Fi devices and routers.
- **High Device Capacity:** Capable of supporting connections for over 64 devices simultaneously.
- **One-Touch WPS Setup:** Simplifies setup with a single press of the WPS button.

WONLINK

WONLINK AC 1200 WiFi Extender

Extensor de señal inalámbrica de doble banda



1200Mbps



Doble Banda



Estabilidad



Configuración
con un solo toque



Figure 2: Key features of the WONLINK AC 1200 WiFi Extender, highlighting 1200Mbps speed, dual-band support, stability, and one-touch WPS configuration.

Chip avanzado de doble núcleo.

Alta velocidad y más seguridad

867Mbps (5.8GHz)

300Mbps (2.4GHz)

1200Mbps



Figure 3: Illustration of the advanced dual-core chip, showing 300Mbps for 2.4GHz and 867Mbps for 5.8GHz, contributing to a total of 1200Mbps.

Por qué destaca



Figure 4: Visual representation of the repeater's standout features, including 4*3dBi high gain antennas, Fast Ethernet port, great heat dissipation, and advanced security protocols.

Amplia cobertura y más conexiones



Figure 5: Depiction of the wide coverage provided by the repeater, showing compatibility with various WiFi devices and supporting over 64 simultaneous connections.

Disfrute de una conexión sin retrasos con cualquier tipo de dispositivo

Disfrute de experiencias en línea sin interrupciones, incluso cuando toda la familia está conectada.



Figure 6: Examples of lag-free online experiences, such as video conferencing, family entertainment, and individual work, enabled by the stable connection.

5. SETUP AND INSTALLATION

The WONLINK 3503-2 offers two primary methods for setup: WPS (Wi-Fi Protected Setup) and Web Interface configuration.

5.1. WPS (One-Touch) Setup

1. Plug the WONLINK Repeater into a power outlet near your main router.
2. Wait for the indicator light on the repeater to stabilize (usually solid blue).
3. Press the WPS button on your main router.
4. Within two minutes, press the WPS button on the WONLINK Repeater.
5. The indicator light on the repeater should change to indicate a successful connection (e.g., solid blue or green).
6. Once connected, you can unplug the repeater and move it to a location between your router and the Wi-Fi dead zone. Ensure the indicator light remains stable after relocation.

5.2. Web Interface Setup

1. Plug the WONLINK Repeater into a power outlet.
2. Connect your computer or mobile device to the repeater's default Wi-Fi network (e.g., "WONLINK_XXXX" or "WiFi-Repeater"). No password is required initially.
3. Open a web browser and enter the default IP address (usually 192.168.10.1) or the default domain name (e.g., wifi.repeater) into the address bar.
4. Log in using the default username and password (refer to the Quick Installation Guide for details, commonly "admin" for both).
5. Follow the on-screen instructions to select your desired operating mode (Repeater, AP, or Router) and configure the network settings.

6. Save the settings and restart the device if prompted.



Figure 7: Diagram illustrating the easy configuration process, including WPS setup, and the three main working modes: Repeater, AP, and Router.

6. OPERATING MODES

The WONLINK 3503-2 supports three main operating modes:

6.1. Repeater Mode (Range Extender)

In Repeater mode, the device extends the wireless signal of your existing router. It receives the Wi-Fi signal from your main router and re-broadcasts it, effectively extending the coverage area. This is the most common mode for eliminating Wi-Fi dead zones.

6.2. Access Point (AP) Mode

In AP mode, the device transforms a wired network connection into a wireless one. You connect the repeater to your router via an Ethernet cable, and it then creates a new Wi-Fi network. This is useful for adding wireless capability to a wired-only network or creating a separate Wi-Fi network.

6.3. Router Mode

In Router mode, the device acts as a primary router, connecting directly to your modem and creating a new private network. This mode is suitable for small offices or homes where a dedicated router is needed.

7. TROUBLESHOOTING

Problem	Possible Solution
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Problem	Possible Solution
Cannot access the web management page.	<p>Ensure your device is connected to the repeater's Wi-Fi network.</p> <p>Verify the IP address or domain name entered is correct (192.168.10.1 or wifi.repeater).</p> <p>Try clearing your browser's cache or using a different browser.</p> <p>Restart the repeater and your device.</p>
No internet access after setup.	<p>Check if your main router has internet access.</p> <p>Ensure the repeater is within range of your main router.</p> <p>Verify the Wi-Fi password entered during setup is correct.</p> <p>Try resetting the repeater to factory defaults and reconfiguring.</p>
Slow connection speed.	<p>Relocate the repeater closer to your main router, but still within the weak signal area.</p> <p>Ensure there are no major obstructions (thick walls, metal objects) between the repeater and your devices/router.</p> <p>Check for interference from other electronic devices.</p> <p>Ensure your main router is providing adequate speed.</p>
WPS setup failed.	<p>Ensure you press the WPS button on both devices within the two-minute window.</p> <p>Some routers have a WPS button that needs to be held for a few seconds.</p> <p>Try the web interface setup method instead.</p>

8. SPECIFICATIONS

Feature	Detail
Brand	WONLINK
Model	3503-2
Dimensions (Package)	20.7 x 9.8 x 9.5 cm
Weight (Product)	230 g
Wireless Standards	IEEE 802.11ac/n/g/b/a
Frequency	2.4GHz & 5GHz
Max. Data Rate	1200Mbps (300Mbps 2.4GHz + 867Mbps 5GHz)
Antennas	4 * 3dBi External Antennas
Ports	1 x Fast Ethernet Port
Security	WPA-PSK/WPA2-PSK, WPA/WPA2

Feature	Detail
Operating Modes	Repeater/AP/Router Mode
ASIN	B0F9KX3PWL
First Available Date	May 27, 2025

9. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean 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 WONLINK official website for firmware updates to ensure optimal performance and security.
- Placement:** For best performance, place the repeater in an open area, away from obstructions and other electronic devices that may cause interference.

10. WARRANTY AND SUPPORT

WONLINK products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official WONLINK website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or any inquiries regarding your WONLINK WiFi Repeater 3503-2, please contact WONLINK customer service through their official website or the contact information provided in your product documentation.

Official WONLINK Website: www.wonlink.com (Note: This is a placeholder URL, please refer to actual product documentation for correct URL)