

## WONLINK WL-NE3601

# WONLINK AX1500 WiFi 6 Repeater WL-NE3601 User Manual

Model: WL-NE3601 | Brand: WONLINK

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WONLINK AX1500 WiFi 6 Repeater (Model WL-NE3601). This device is designed to extend your existing wireless network coverage, providing faster and more reliable internet access throughout your home or office. Please read this manual carefully before using the product to ensure proper setup and optimal performance.



Image 1.1: WONLINK AX1500 WiFi 6 Repeater highlighting key features such as Ultra Speed WiFi 6, Dual Band AX1500, One-Touch WPS, and Stable & Reliable performance.

Your browser does not support the video tag.

Video 1.1: An overview of the WONLINK AX1500 WiFi 6 Repeater, demonstrating its features and potential uses in a home environment.

## 2. PACKAGE CONTENTS

---

Verify that your package contains the following items:

- 1 x WONLINK AX1500 WiFi Repeater
- 1 x Network Cable
- 1 x Instruction Manual

## 3. PRODUCT OVERVIEW

---

### 3.1 Key Features

- **Dual Band AX1500 Speed:** Combines 1200 Mbps on 5GHz and 300 Mbps on 2.4GHz for a total of 1500 Mbps.
- **WiFi 6 Technology:** Supports the latest WiFi 6 standard for improved efficiency and speed.
- **One-Touch Setup (WPS):** Easy setup with a single button press.
- **LED Indicator:** Provides visual feedback on signal strength and device status.
- **MU-MIMO Technology:** Enhances performance by allowing the repeater to communicate with multiple devices simultaneously.
- **Fast Ethernet Port:** For wired connections to devices like PCs, gaming consoles, or smart TVs.
- **Advanced WPA3 Security Protocols:** Ensures a secure wireless network.
- **High Gain Antennas:** Equipped with 4 high-gain antennas for extended coverage.
- **Efficient Heat Dissipation:** Designed for stable operation.

### 3.2 Internal Components

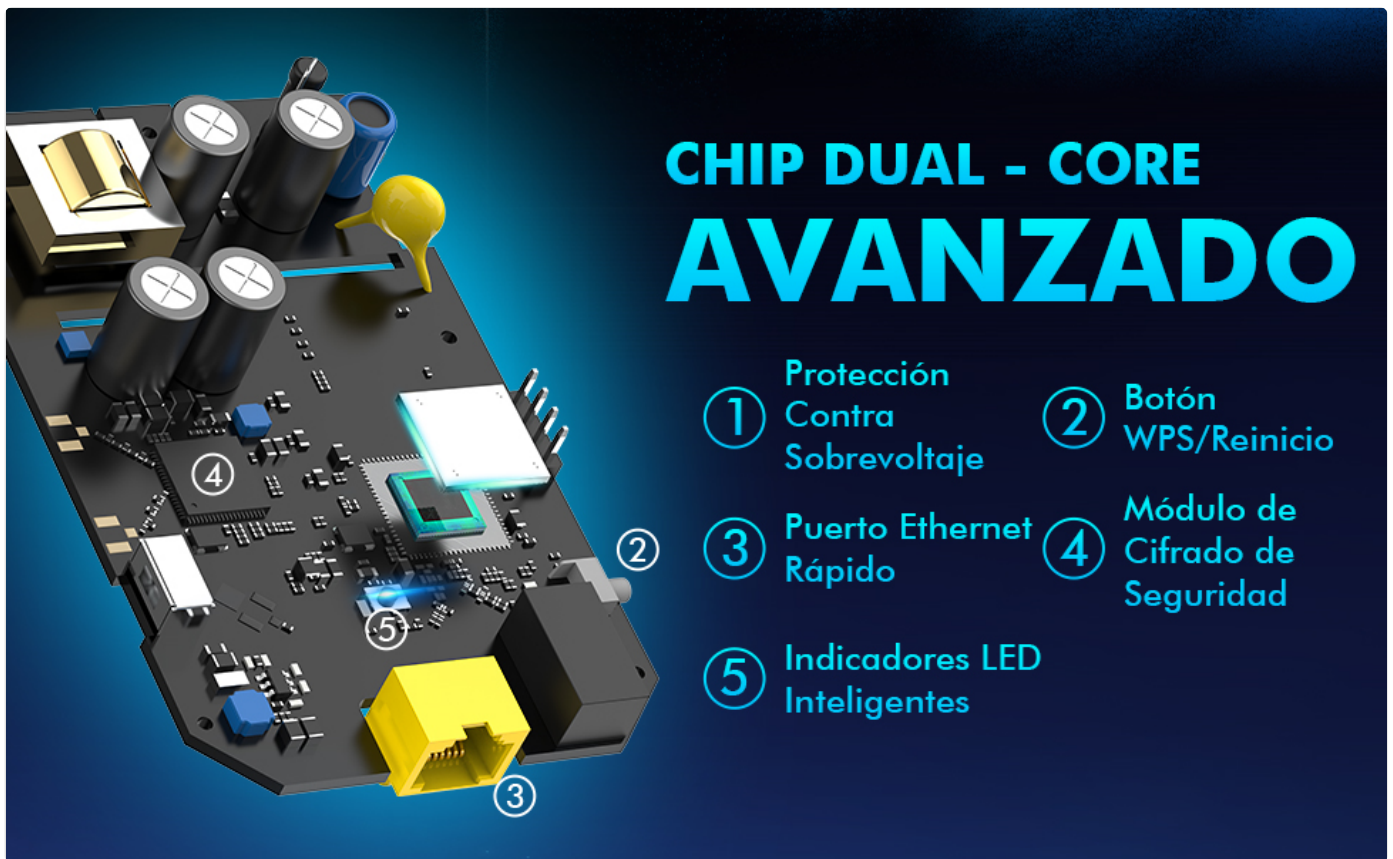


Image 3.1: Internal view of the repeater's advanced dual-core chip, highlighting key components such as overvoltage protection, WPS/reset button, fast Ethernet port, security encryption module, and smart LED indicators.

### 3.3 Speed and Performance

The AX1500 Repeater delivers high-speed dual-band WiFi, with 1200 Mbps on the 5GHz band ideal for gaming, media streaming, and video conferencing, and 300 Mbps on the 2.4GHz band suitable for file transfers, web browsing, and downloads.

## Amplificador Señal WiFi Doble Banda de Alta Velocidad de 1500Mbps

### 1200Mbps

5.8GHz

- Juegos**
- Transmisión de Medios**
- Video Conferencia**

### 300Mbps

2.4GHz

- Transferencia de Archivos**
- Navegación Web**
- Descargas**

Image 3.2: Illustration of the dual-band WiFi signal amplifier, demonstrating 1200 Mbps on 5.8GHz for demanding tasks and 300 Mbps on 2.4GHz for general internet use.

## 4. SETUP

The WONLINK AX1500 WiFi 6 Repeater offers multiple setup methods for your convenience.

### 4.1 WPS (Wi-Fi Protected Setup) Method

1. Plug the repeater into a power outlet near your main router.
2. Wait for the LED indicator on the repeater to light up.
3. Press the WPS button on your main router.
4. Within two minutes, press the WPS button on the WONLINK repeater.
5. The LED indicator on the repeater should change to a solid color, indicating a successful connection.



Image 4.1: Visual guide for easy WPS configuration, demonstrating a hand pressing the WPS button on the repeater. This image also illustrates the three operating modes: Repeater, AP, and Router.

### 4.2 Web UI (Web User Interface) Method

For detailed configuration and advanced settings, use the Web UI method. This method allows you to customize network names, passwords, and other parameters.

1. Plug the repeater into a power outlet.
2. Connect your computer or smartphone to the repeater's default Wi-Fi network (usually named "WONLINK\_XXXX" or similar, found on the product label).
3. Open a web browser and enter the default IP address (e.g., 192.168.10.1) or domain name (e.g., wonlinkwifi.com) provided in the manual or on the product label.
4. Follow the on-screen instructions to log in (default username/password is usually "admin").

5. Select your existing Wi-Fi network to extend, enter its password, and customize the extended network's name and password if desired.
6. Apply the settings and wait for the repeater to restart.

Your browser does not support the video tag.

Video 4.1: A detailed guide on configuring a WiFi 6 repeater using the Web UI method, showing the steps on a smartphone interface. This video demonstrates how to scan for networks, customize the extended network name and password, and apply settings.

## 5. OPERATING MODES

The WONLINK AX1500 WiFi 6 Repeater supports three main operating modes:

- **Repeater Mode:** Extends the coverage of your existing wireless network. This is the most common mode for eliminating Wi-Fi dead zones.
- **Access Point (AP) Mode:** Converts a wired internet connection into a wireless network. Ideal for areas without Wi-Fi coverage but with an available Ethernet port.
- **Router Mode:** Functions as a primary router, creating a new wireless network from a modem connection.



Image 5.1: Illustration of the three operating modes: Repeater, AP, and Router, showing how the device integrates into different network setups.

## 6. PLACEMENT GUIDELINES

Optimal placement of your repeater is crucial for maximizing Wi-Fi coverage and performance. Consider the following:

- Place the repeater halfway between your router and the area where you need improved Wi-Fi.
- Avoid placing the repeater too close to the main router, as this can lead to signal overlap without effective coverage extension.
- Avoid placing the repeater too far from the main router, as it will receive a weak signal, resulting in poor extended

network quality.

- Ensure there are minimal obstructions (thick walls, metal objects, large appliances) between the repeater and both your router and client devices.
- The LED indicator can help determine optimal placement: a solid green or blue light typically indicates a good connection.

Your browser does not support the video tag.

Video 6.1: A video demonstrating the long-range capabilities of a WiFi 6 repeater in a home setting, providing insights into optimal placement for extended coverage.



Image 6.1: Visual guide illustrating optimal and suboptimal placement of a WiFi repeater within a home, emphasizing the importance of distance from the main router for effective signal extension.

## 7. MAINTENANCE

---

To ensure the longevity and optimal performance of your WONLINK AX1500 WiFi 6 Repeater, follow these maintenance tips:

- **Keep it Clean:** Regularly wipe the device with a soft, dry cloth to prevent dust buildup, which can affect heat dissipation.
- **Firmware Updates:** Check the WONLINK official website periodically for firmware updates. Updating the firmware can improve performance, add new features, and fix bugs.
- **Proper Ventilation:** Ensure the repeater is placed in a well-ventilated area and its vents are not obstructed.
- **Avoid Extreme Conditions:** Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- **Restart Periodically:** Occasionally restarting the repeater can help clear its memory and resolve minor performance issues.

## 8. TROUBLESHOOTING

---

If you encounter issues with your WONLINK AX1500 WiFi 6 Repeater, refer to the following common problems and solutions:

Problem	Possible Solution
No power/LEDs off	Ensure the repeater is securely plugged into a working power outlet. Try a different outlet.
Cannot connect to the extended network	<ul style="list-style-type: none"><li>◦ Verify the extended network password.</li><li>◦ Ensure the repeater is within range of your main router.</li><li>◦ Restart both the router and the repeater.</li><li>◦ Try re-configuring the repeater.</li></ul>

Problem	Possible Solution
Slow internet speed on extended network	<ul style="list-style-type: none"> <li>Relocate the repeater closer to your main router.</li> <li>Ensure there are no major obstructions.</li> <li>Check for interference from other electronic devices.</li> <li>Verify your main internet speed.</li> </ul>
WPS setup fails	<ul style="list-style-type: none"> <li>Ensure you press the WPS button on both devices within the two-minute window.</li> <li>Some routers may have a different WPS activation method; consult your router's manual.</li> <li>Try the Web UI setup method instead.</li> </ul>
Forgot Web UI login password	Perform a factory reset on the repeater (usually by pressing and holding the reset button for 5-10 seconds). This will revert all settings to default.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	WL-NE3601
Brand	WONLINK
Wireless Communication Standard	802.11a/b/g/n/ac
Data Transfer Speed	1500 Megabits per second
Frequency Band Class	Dual Band (2.4 GHz, 5 GHz)
Special Features	One-touch setup, LED Indicator, MU-MIMO
Color	Black
Range	120 Meters
Compatible Devices	Personal computer, Router, Smartphone, Tablet, Smart TV
Dimensions	16.2 x 10.3 x 9.5 cm
Weight	400 g

## 10. WARRANTY AND SUPPORT

### 10.1 Product Warranty

The WONLINK AX1500 WiFi 6 Repeater (Model WL-NE3601) comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by:

- Accidental damage, misuse, or abuse.

- Unauthorized repairs or modifications.
- Natural disasters or acts of God.
- Improper installation or operation not in accordance with this manual.

## 10.2 Technical Support

For technical assistance, troubleshooting, or warranty inquiries, please contact WONLINK customer support through the retailer where you purchased the product or visit the official WONLINK website for contact information. When contacting support, please have your product model number (WL-NE3601) and purchase details ready.