

TP-Link TL-WA860RE-V1

TP-Link TL-WA860RE V1 N300 Universal Wireless Range Extender

Model: TL-WA860RE-V1

1. INTRODUCTION

The TP-Link TL-WA860RE V1 N300 Universal Wireless Range Extender is designed to expand the coverage and enhance the signal strength of an existing wireless network. This device helps eliminate Wi-Fi "dead zones" in your home or office, providing reliable connectivity in areas previously difficult to reach. With 300Mbps wireless N speeds, a dedicated Range Extender button, and a compact wall-mountable design, extending your wireless network is straightforward. Additionally, it features an extra power outlet, ensuring that the wall socket remains available for other electrical devices. An integrated Ethernet port allows the TL-WA860RE to function as a wireless adapter, enabling wired devices to connect to your Wi-Fi network.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- TP-Link TL-WA860RE V1 N300 Universal Wireless Range Extender
- Quick Installation Guide

3. PRODUCT OVERVIEW

Familiarize yourself with the physical components and indicators of your range extender.



Image 1: Front view of the TP-Link TL-WA860RE V1 N300 Universal Wireless Range Extender. The device is white, wall-pluggable, and features an integrated power outlet on the front. Two external antennas are visible on the sides. Below the power outlet, there are LED indicators for Power, Wireless, and Signal Strength, along with a Wi-Fi button. On the right side, there are buttons for ON/OFF and Reset, and an Ethernet port at the bottom left.

3.1. Physical Components

- **Power Outlet:** Integrated pass-through power socket for other electrical devices.
- **External Antennas:** Two fixed external antennas for improved wireless coverage.
- **Ethernet Port:** Allows connection of a wired device (e.g., smart TV, game console, PC) to your wireless network.
- **Range Extender Button (RE Button):** Used for quick setup via WPS.
- **ON/OFF Button:** Powers the device on or off.
- **Reset Button:** Used to restore the device to factory default settings.

3.2. LED Indicators

- **Power LED:** Indicates the power status of the extender.
- **Wireless LED:** Indicates the wireless activity.
- **Signal Strength LEDs:** Indicate the signal strength received from the host router. More lit LEDs mean a stronger connection.

4. SETUP

There are two primary methods to set up your TL-WA860RE V1 range extender: using the WPS button or via a web browser.

4.1. Quick Setup using the WPS Button

1. **Power On:** Plug the extender into an electrical outlet near your host router. Wait for the Power LED to light up.
2. **Press WPS on Router:** Press the WPS button on your host router.
3. **Press RE Button on Extender:** Within two minutes, press the RE button on your range extender. The Wireless LED should begin to flash.
4. **Verify Connection:** Wait for the Signal Strength LEDs on the extender to light up solid, indicating a successful connection.
5. **Relocate Extender:** Unplug the extender and move it to a location midway between your router and the Wi-Fi "dead zone". Ensure the Signal Strength LEDs indicate a good signal (at least two bars).

Note: If the Signal Strength LEDs do not light up, relocate the extender closer to the router.

4.2. Setup using a Web Browser

1. **Power On:** Plug the extender into an electrical outlet near your host router. Wait for the Power LED to light up.
2. **Connect to Extender:**
 - **Wireless:** Disconnect your computer from your existing Wi-Fi network. Connect to the extender's Wi-Fi network (e.g., "TP-LINK_Extender_XXXXXX").
 - **Wired:** Connect your computer to the extender's Ethernet port using an Ethernet cable.
3. **Access Web Management Page:** Open a web browser and type <http://tplinkrepeater.net> or <http://192.168.0.254> into the address bar.
4. **Login:** Enter **admin** for both the username and password when prompted.
5. **Follow On-Screen Instructions:** The Quick Setup wizard will guide you through the configuration process, including selecting your host network and setting up the extender's network name (SSID) and password.
6. **Relocate Extender:** After successful configuration, unplug the extender and move it to an optimal location (see Section 5.1).

5. OPERATING THE RANGE EXTENDER

5.1. Optimal Placement

For best performance, place the range extender in a location where it can receive a strong signal from your host router while also being able to extend that signal to the desired "dead zones". The Signal Strength LEDs are crucial for this: aim for at least two solid bars for a stable connection. Avoid placing the extender near large metal objects, concrete walls, or devices that emit strong electromagnetic interference (e.g., microwave ovens, cordless phones).

5.2. Using the Ethernet Port

The Ethernet port on the TL-WA860RE V1 allows you to connect a wired device to your wireless network. Simply connect an Ethernet cable from the extender's Ethernet port to the Ethernet port of your wired device (e.g., desktop computer, smart TV, gaming console). The extender will then provide wireless connectivity to that device.

6. MAINTENANCE

6.1. General Care

- Keep the device in a dry environment, away from water and moisture.
- Avoid exposing the device to extreme temperatures.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the device.

6.2. Firmware Updates

Periodically check the TP-Link official website for firmware updates. Firmware updates can improve performance, add new features, and fix bugs. Refer to the TP-Link support page for specific instructions on how to update the firmware for your model.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your range extender.

- **No Power:** Ensure the extender is securely plugged into a working electrical outlet and the ON/OFF button is pressed.
- **Cannot Connect to Extender's Wi-Fi:** Verify that the extender is powered on and the Wireless LED is active. Try resetting the extender and re-configuring.
- **Poor Signal Strength from Extender:**
 - Relocate the extender closer to your host router.
 - Ensure there are no major obstructions between the extender and the host router or your devices.
 - Check the Signal Strength LEDs on the extender; if they show a weak signal, move the extender to a better location.
- **Cannot Access Web Management Page:**
 - Ensure your computer is connected to the extender's network (either wirelessly or via Ethernet).
 - Verify that you are using the correct address (<http://tplinkrepeater.net> or <http://192.168.0.254>).
 - Clear your browser's cache and cookies, or try a different browser.
 - Temporarily disable any VPN or firewall software.
- **Forgot Login Password:** If you forget the login password for the web management page, you will need to reset the extender to factory default settings using the Reset button.

8. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Number	TL-WA860RE-V1
Wireless Type	802.11bgn
Data Transfer Rate	300 Megabits Per Second

Feature	Detail
Special Features	Range Extender Button, Smart Signal Indicator Light, External Antennas, Ethernet Port
Color	White
Item Weight	9.9 ounces
Product Dimensions (LxWxH)	6.2 x 3.6 x 4 inches
Manufacturer	TP-LINK USA

9. WARRANTY AND SUPPORT

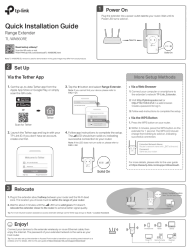
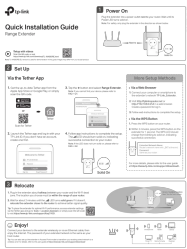
TP-Link products typically come with a limited warranty. For detailed warranty information specific to your region and product, please refer to the warranty card included with your product or visit the official TP-Link website. For technical assistance, setup guidance, or troubleshooting, TP-Link offers 24/7 technical support. You can find contact information and support resources on the official TP-Link support website:

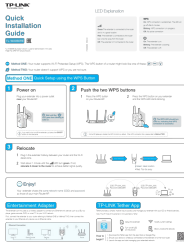
- **TP-Link Support Website:** <https://www.tp-link.com/support/>

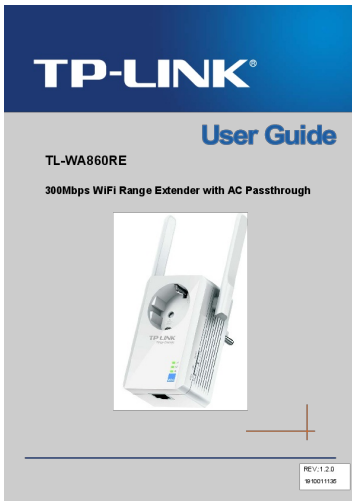
When contacting support, please have your product model (TL-WA860RE-V1) and serial number ready.

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Related Documents - TL-WA860RE-V1

	TP-Link TL-WA860RE Range Extender Quick Installation Guide A guide to setting up and using the TP-Link TL-WA860RE Range Extender, including power on, setup via Tether App or web browser, relocation tips, and LED explanations.
	TP-Link TL-WA860RE Range Extender: Quick Installation Guide Step-by-step guide to setting up your TP-Link TL-WA860RE Wi-Fi Range Extender using the Tether app or a web browser. Includes setup methods, LED explanations, relocation tips, and FAQs.

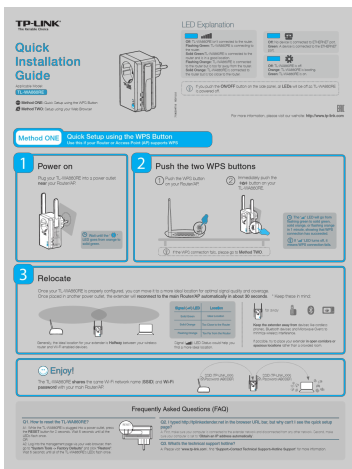
 User Guide 300Mbps Wi-Fi Range Extender with AC Passthrough Technology	TP-Link TL-WA860RE User Guide: 300Mbps Wi-Fi Range Extender with AC Passthrough Comprehensive user guide for the TP-Link TL-WA860RE 300Mbps Wi-Fi Range Extender with AC Passthrough, covering setup, configuration, advanced features, management, and troubleshooting. Learn how to extend your Wi-Fi network, customize settings, and maintain your device.
	TP-Link TL-WA860RE Quick Installation Guide A concise guide for setting up the TP-Link TL-WA860RE Wi-Fi range extender using WPS or web browser methods. Includes LED explanations, relocation tips, and information on using the Tether app.
	TP-Link Range Extender Troubleshooting and Firmware Update Guide A comprehensive guide to troubleshooting TP-Link range extenders that stop working, including steps for when the extender stops working with no changes to the host router, after changing the host router, or after changing host router settings. It also provides detailed instructions on how to upgrade the firmware of TP-Link range extenders using both the web management page and the Tether APP.
	TP-Link Wi-Fi Range Extender Quick Installation Guide A concise guide to setting up your TP-Link Wi-Fi Range Extender, covering initial configuration, placement, and troubleshooting.



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TL-WA860RE 300Mbps WiFi Range Extender with AC Passthrough REV.:1.2.0
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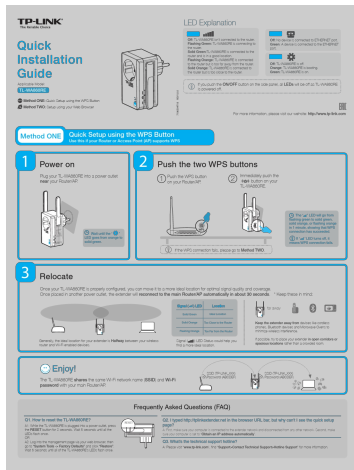
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[pdf] Test Report

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WA860REV4 300Mbps Wi Fi Range Extender with Power Outlet Pass through TE7WA860REV4
wa860rev4

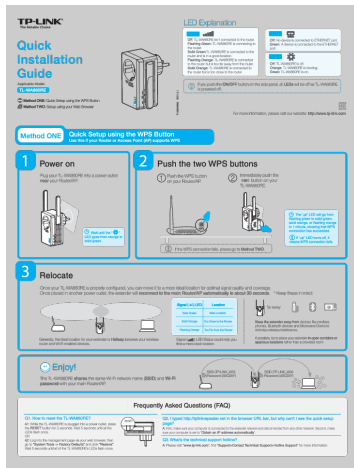
Test Report FCC Part15 Subpart C Product Name : 300Mbps Wi-Fi Range Extender with Power Outlet Pass-through Model No. : TL-WA860RE FCC ID : TE7WA860REV4
Applicant : TP-Link Technologies Co., Ltd.. Address : Building 24 floors 1,3,4,5 and 28 floors1-4 Central Science and Technology Park,She...
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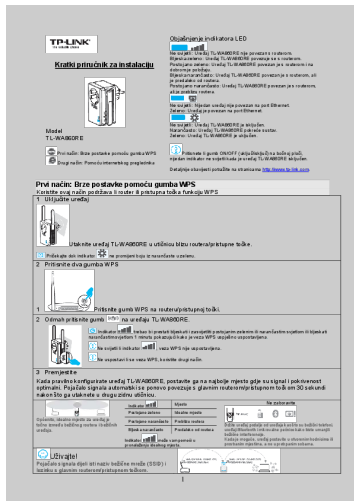
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[\[pdf\]](#) Datasheet

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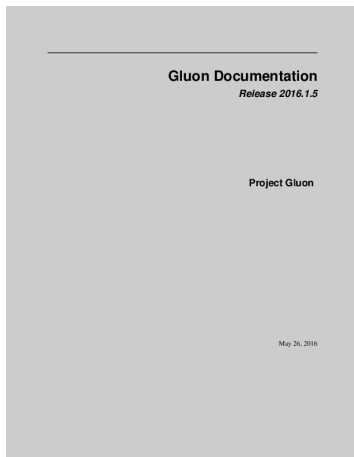
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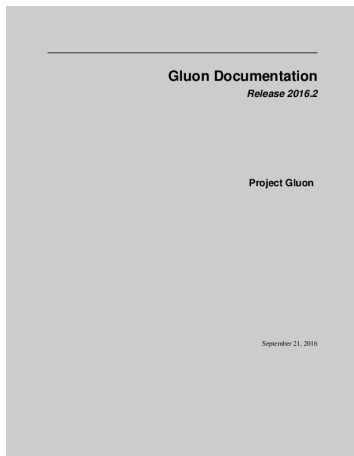
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