

Ruijie RAP1261

Ruijie Reyee RG-EW1200R / RAP1261 Wi-Fi Extender Instruction Manual

Model: RAP1261 | Brand: Ruijie

1. PRODUCT OVERVIEW

The Ruijie Reyee RG-EW1200R, also known as RAP1261, is an AX3000 Wi-Fi 6 dual-band Gigabit in-wall Access Point (AP) designed to extend and enhance wireless network coverage. It features built-in antennas and supports both 2.4GHz (300Mbps) and 5GHz (867Mbps) dual-radio frequencies, adhering to 802.11a/b/g/n/ac Wave1/Wave2/ax protocols. This device includes a 10/100/1000 Base-T port and supports both AP and routing modes, along with layer 2 and layer 3 roaming capabilities. Management is facilitated through Reyee unified networking and the Ruijie Cloud app.

The unit is designed for wall-mounted installation and supports 802.3at Power over Ethernet (PoE) input, with a maximum power consumption of less than 18W. When using a non-standard PoE adapter, it is essential to configure the "PoE settings" to "IEEE 802.3at" via the device's web interface to ensure proper operation.

2. SETUP AND INSTALLATION

This section outlines the general steps for installing and setting up your Ruijie Reyee RAP1261 in-wall AP. Professional installation by a qualified technician is recommended due to the in-wall nature of the device and its power requirements.

2.1 Unboxing and Components

Verify that all components are present in the package:

- Ruijie Reyee RAP1261 In-wall AP unit
- Mounting hardware (if included, typically for in-wall installation)
- Quick Start Guide (refer to this manual for detailed instructions)

2.2 Physical Installation

The RAP1261 is designed for in-wall installation. This typically involves:

1. **Power Source Preparation:** Ensure a suitable 802.3at PoE-enabled network switch or injector is available to provide power to the AP. The power supply output must exceed the AP's maximum power consumption of 18W.
2. **Wall Mounting:** Carefully follow the provided mounting instructions to secure the AP within a standard wall outlet box.
3. **Network Connection:** Connect an Ethernet cable from your PoE source to the WAN/PoE port on the back of the RAP1261.



Figure 1: Rear view of the Ruijie Reyee RAP1261 In-wall AP. This image displays the back panel of the device, highlighting the WAN/PoE Ethernet port for network and power connection, and the mounting tabs for in-wall installation. A label area is also visible at the bottom.

2.3 Initial Configuration

After physical installation and power-up:

- **Power On:** The device will power on automatically when connected to a PoE source. Observe the LED indicators for status.
- **Network Access:** Connect a device (e.g., laptop, smartphone) to the default Wi-Fi network broadcast by the AP (SSID and password typically found on a label on the device or in the quick start guide).
- **Web Interface Access:** Open a web browser and navigate to the default IP address of the AP (e.g., 192.168.1.1 or similar, refer to the quick start guide). Log in using the default credentials.
- **PoE Settings (if applicable):** If using a non-standard PoE adapter, navigate to the "PoE settings" in the web interface and set the "PoE mode" to "IEEE 802.3at".
- **Basic Wi-Fi Configuration:** Configure your desired Wi-Fi network name (SSID), password, and security settings for both 2.4GHz and 5GHz bands.
- **Operating Mode:** Select between AP mode or routing mode based on your network requirements.
- **App Management:** Download the Ruijie Cloud app or Reyee Router App from your device's app store. Follow

the in-app instructions to add and manage your RAP1261.

3. OPERATING INSTRUCTIONS

The Ruijie Reyee RAP1261 offers various functionalities to optimize your wireless network.

3.1 Wi-Fi Connectivity

- **Dual-Band Operation:** The AP broadcasts Wi-Fi on both 2.4GHz and 5GHz frequencies. Connect your devices to the appropriate band for optimal performance. The 5GHz band offers higher speeds but shorter range, while 2.4GHz provides wider coverage.
- **Mesh Functionality:** If deployed as part of a Reyee Mesh network, the AP will seamlessly integrate to provide extended and unified Wi-Fi coverage.

3.2 Management via Reyee App / Ruijie Cloud

The dedicated mobile application provides comprehensive control over your AP:

- **Network Monitoring:** View connected devices, network traffic, and AP status.
- **Configuration Changes:** Modify Wi-Fi settings, operating modes, and other network parameters.
- **Firmware Updates:** Check for and apply the latest firmware to ensure optimal performance and security.
- **LED Control:** Adjust or disable the LED indicators on the device for discreet operation.

3.3 Advanced Features

Depending on your configuration and network setup, the RAP1261 supports:

- **AP Mode:** Functions as a wireless access point, extending an existing wired network wirelessly.
- **Routing Mode:** Can act as a basic router for smaller networks.
- **Layer 2 and Layer 3 Roaming:** Facilitates seamless transitions for wireless clients between multiple APs in a larger network.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ruijie Reyee RAP1261.

- **Keep Clean:** Gently wipe the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check for and install firmware updates via the Ruijie Cloud app or web interface. Firmware updates often include performance improvements, security patches, and new features.
- **Environmental Conditions:** Ensure the device is operating within its specified temperature and humidity ranges to prevent overheating or damage.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your RAP1261.

5.1 No Power / Device Not Turning On

- **Check PoE Connection:** Ensure the Ethernet cable is securely connected to the WAN/PoE port and to a functioning 802.3at PoE source.
- **Verify PoE Source:** Confirm that your PoE switch or injector is powered on and providing sufficient power

(output > 18W).

- **Non-Standard PoE:** If using a non-standard PoE adapter, ensure the "PoE mode" is set to "IEEE 802.3at" in the device's web interface.

5.2 No Wi-Fi Signal or Connectivity Issues

- **Check LED Indicators:** Refer to the device's LED status lights (if visible) to determine its operational state. Consult the quick start guide for LED meanings.
- **Verify Configuration:** Log into the web interface or Ruijie Cloud app to ensure Wi-Fi settings (SSID, password, security type) are correctly configured and enabled.
- **Restart Device:** Power cycle the AP by disconnecting and reconnecting the PoE cable.
- **Interference:** Ensure there are no major sources of interference (e.g., microwaves, cordless phones) near the AP.

5.3 Slow Wi-Fi Speed

- **Band Selection:** Ensure high-bandwidth devices are connected to the 5GHz band if possible.
- **Channel Interference:** Use the Ruijie Cloud app or web interface to perform a channel scan and select less congested Wi-Fi channels.
- **Firmware:** Ensure the AP has the latest firmware installed.
- **Network Load:** Check if other devices on your network are consuming significant bandwidth.

5.4 Cannot Access Web Interface or App

- **IP Address:** Confirm you are using the correct IP address for the AP. If the AP is in routing mode, its IP might be different from the default.
- **Network Connection:** Ensure your device is connected to the AP's network (either wired or wirelessly).
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.
- **Reset:** As a last resort, perform a factory reset (refer to the quick start guide for the reset procedure). This will revert all settings to default.

6. SPECIFICATIONS

Feature	Detail
Brand	Ruijie
Model Name	RAP1261 (RG-EW1200R Series)
Wireless Standard	802.11ax (Wi-Fi 6), 802.11a/b/g/n/ac Wave1/Wave2
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Data Transfer Rate	Up to 1200 Mbps (300 Mbps at 2.4GHz, 867 Mbps at 5GHz)
Antenna Type	Internal
Connector Type	Ethernet (WAN/PoE)
Number of Ports	1 (WAN/PoE)
Power Input	802.3at PoE-in (57 Volts DC)

Max Power Consumption	<18W
Special Features	Access Point Mode, Routing Mode, Mesh Wi-Fi, LED Control, Reyee App Management
Compatible Devices	Gaming Console, Personal Computer, Printer, Security Camera, Smart Television, Smart Thermostat, Smartphone, Tablet
Product Dimensions	8.6 x 0.16 x 4.24 cm
Item Weight	160 g
Operating System (Internal)	Cisco IOS (Note: This refers to the internal operating system, not user-facing)


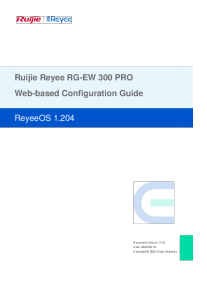
7. WARRANTY AND SUPPORT

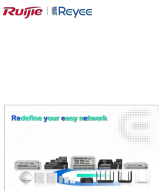

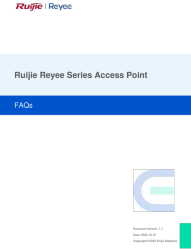
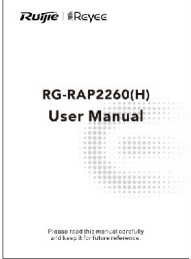
For warranty information, please refer to the documentation provided with your purchase or contact your reseller. Support resources, including FAQs and further technical assistance, may be available through the Ruijie official website or the Reyee Cloud app.



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Related Documents - RAP1261

	<p>Ruijie RG-EW1200G PRO 1300M Dual-band Gigabit Wireless Router - Product Overview and Installation Guide</p> <p>Detailed information on the Ruijie RG-EW1200G PRO, a 1300M dual-band Gigabit wireless router. Covers product overview, features, hardware and software specifications, typical applications, and installation guide.</p>
	<p>Ruijie Reyee RG-EW 300 PRO Web-based Configuration Guide</p> <p>This guide provides instructions for configuring the Ruijie Reyee RG-EW 300 PRO router, covering initial setup, primary router mode, and secondary router mode for both wired and wireless connections. Learn how to set up your internet access, Wi-Fi network, and management passwords for optimal network performance.</p>

	<p>Reyee Series Implementation Cookbook: Configuration and Management Guide</p> <p>Explore the Reyee Series Implementation Cookbook from Ruijie Networks. This guide provides detailed instructions for configuring and managing Reyee access points, switches, and routers, covering features like cloud management, self-organizing networks, VLANs, ACLs, VPNs, and more for efficient network deployment.</p>
	<p>Ruijie RG-RAP2200 Access Point User Manual</p> <p>This document provides a comprehensive user manual for the Ruijie RG-RAP2200 Access Point, covering installation, configuration, and operation in multiple languages.</p>
	<p>Ruijie Reyee Series Access Point FAQs</p> <p>This document provides answers to frequently asked questions about the Ruijie Reyee Series Access Point, covering topics such as login procedures, password management, network connectivity, wireless configuration, and SON features.</p>
	<p>Ruijie RG-RAP2260(H) WiFi6 AX6000 Access Point User Manual</p> <p>User manual for the Ruijie RG-RAP2260(H) WiFi6 AX6000 Access Point, providing details on package contents, hardware features, technical specifications, installation, and configuration.</p>