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Reyee AX3200

Reyee WiFi 6 Router AX3200 (RG-E5) Instruction Manual

Model: AX3200 (RG-E5) | Brand: Reyee

1. INTRODUCTION AND OVERVIEW

The Reyee AX3200 (RG-E5) Wi-Fi 6 Wireless Router is designed to provide a high-speed and stable internet connection for homes up to 3000 square feet. It features dual-band signals, with a 5G transfer rate of 2400Mbps and a 2.4G transfer rate of 800Mbps, aiming to reduce buffering and latency for smooth network performance. This router is equipped with advanced technologies to support multiple devices and extensive coverage.

Key Features:

- Wi-Fi 6 Technology:** Supports the 802.11ax standard for improved efficiency and speed.
- Dual-Band Connectivity:** Simultaneous 5GHz (2400Mbps) and 2.4GHz (800Mbps) bands.
- Enhanced Signal Coverage:** Features 8 omnidirectional antennas with 4+4 high-power FEM amplifiers, extending wireless signal up to 3000 sq. ft.
- Multi-User Support:** Utilizes OFDMA and MU-MIMO technologies to connect up to 128 devices simultaneously, enhancing network capacity in congested areas.
- Reyee Mesh:** One-click setup for creating a whole-home mesh Wi-Fi system.
- Gigabit Ethernet Ports:** Provides wired connectivity for devices requiring stable, high-speed connections.
- Advanced Security:** Includes features like VPN support, parental controls, guest mode, and firewall.



Figure 1: Reyee AX3200 WiFi 6 Router (RG-E5) with 8 antennas.



Figure 2: Overview of Reyee AX3200 WiFi 6 Router key features including Wi-Fi 6, AX3200 speed, 8 High Power FEMs, 8 Antennas, WPA3, App Control, Parental Controls, Reyee Mesh, and coverage up to 3000 Sq. Ft.

2. SETUP

2.1 Package Contents

Before beginning, ensure all components are present:

- Reyee AX3200 (RG-E5) WiFi 6 Router
- Power Adapter

- Ethernet Cable
- Quick Installation Guide / User Manual

2.2 Hardware Connection

1. **Position the Router:** Place the router in a central location in your home, away from obstructions and other electronic devices that may cause interference. Ensure the antennas are oriented vertically for optimal signal.
2. **Connect to Modem:** Power off your modem. Connect one end of the provided Ethernet cable to the WAN port (usually blue) on the Reyee router and the other end to a LAN port on your modem.
3. **Power On:** Connect the power adapter to the router's power input and then plug it into a power outlet. Power on your modem first, then power on the router. Wait for the indicator lights to stabilize (usually solid blue or green) to confirm successful connection.
4. **Wired Devices:** For devices requiring a wired connection, connect them to the LAN ports (usually yellow/orange) on the back of the router using Ethernet cables.

Effectively Penetrates Thick Walls, No Dead Spots



Figure 3: Rear view of the Reyee AX3200 Router showing WAN and LAN ports for wired connections.

2.3 Initial Configuration (App or Web Browser)

You can configure your router using the Reyee Router app or a web browser.

Method 1: Via Reyee Router App

1. **Download the App:** Search for "Reyee Router" in your mobile device's app store (App Store for iOS or Google Play for Android) and install it.
2. **Connect to Wi-Fi:** Connect your mobile device to the router's default Wi-Fi network (SSID and password are usually printed on a label at the bottom of the router).
3. **Launch App & Follow Instructions:** Open the Reyee Router app, log in with your TP-Link ID (or create one if you don't have an account), and follow the on-screen steps to complete the setup and connect to the internet.

Method 2: Via Web Browser

1. **Connect to Router:** Connect your device to the router wirelessly (using the default SSID/password) or with an Ethernet cable to one of the LAN ports.
2. **Access Web Interface:** Open a web browser and enter <http://tplinkwifi.net> or <http://192.168.0.1> in the address bar.
3. **Create Password:** Create a strong login password for the router's management page.
4. **Follow Setup Wizard:** Follow the step-by-step instructions to set up your internet connection and register for the TP-Link Cloud service.

3. OPERATING THE ROUTER

3.1 Dual-Band Wi-Fi

The AX3200 router operates on two frequency bands: 2.4GHz and 5GHz. The 2.4GHz band offers wider coverage and better penetration through walls, suitable for general browsing and smart home devices. The 5GHz band provides faster speeds and is ideal for bandwidth-intensive activities like 4K streaming and online gaming.



Figure 4: Illustration of dual-band speeds: 2400Mbps on 5GHz and 800Mbps on 2.4GHz.

3.2 Multi-User Technology (OFDMA & MU-MIMO)

With OFDMA and MU-MIMO technologies, the router efficiently handles multiple devices simultaneously. OFDMA allows multiple devices to share a single channel, while MU-MIMO enables the router to communicate with several devices at once, significantly improving network efficiency and reducing latency, even with up to 128 connected devices.



MU-MIMO



OFDMA

3000 Sq. ft.

128 Devices



Extensive Coverage & More Connections

Figure 5: Visual representation of the router providing extensive coverage and supporting multiple devices like laptops, smartphones, and gaming consoles.

3.3 Reyee Mesh System

The Reyee Mesh feature allows you to easily expand your Wi-Fi coverage by adding compatible Reyee mesh units. A single click of the Reyee Mesh button on the router initiates the pairing process, creating a seamless whole-home Wi-Fi 6 network.

One Click to Connect Reyee Whole-Home Mesh

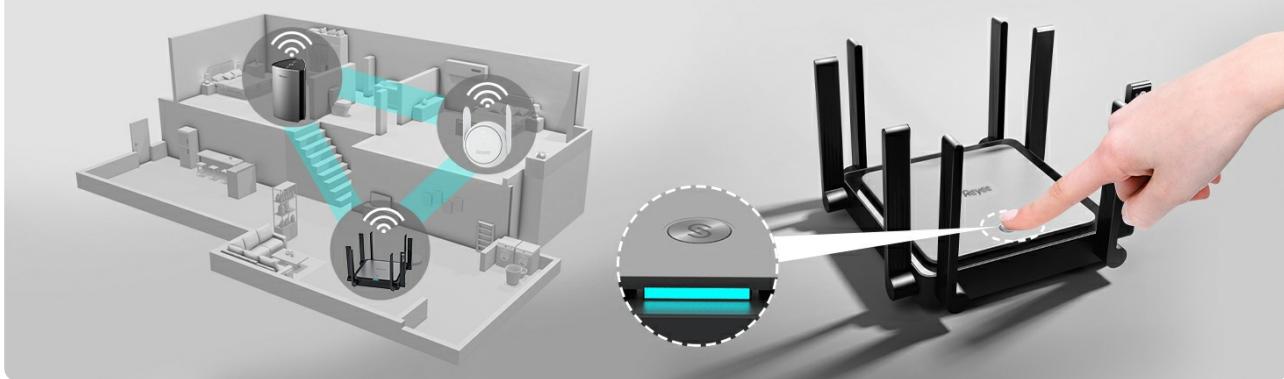


Figure 6: Diagram illustrating the one-click Reyee Mesh setup for extending Wi-Fi coverage throughout a home.

3.4 App Management

Manage your network settings, monitor connected devices, and access advanced features through the intuitive Reyee Router app. This includes parental controls, guest Wi-Fi setup, Eco mode for energy saving, and Xpress features for optimized performance.

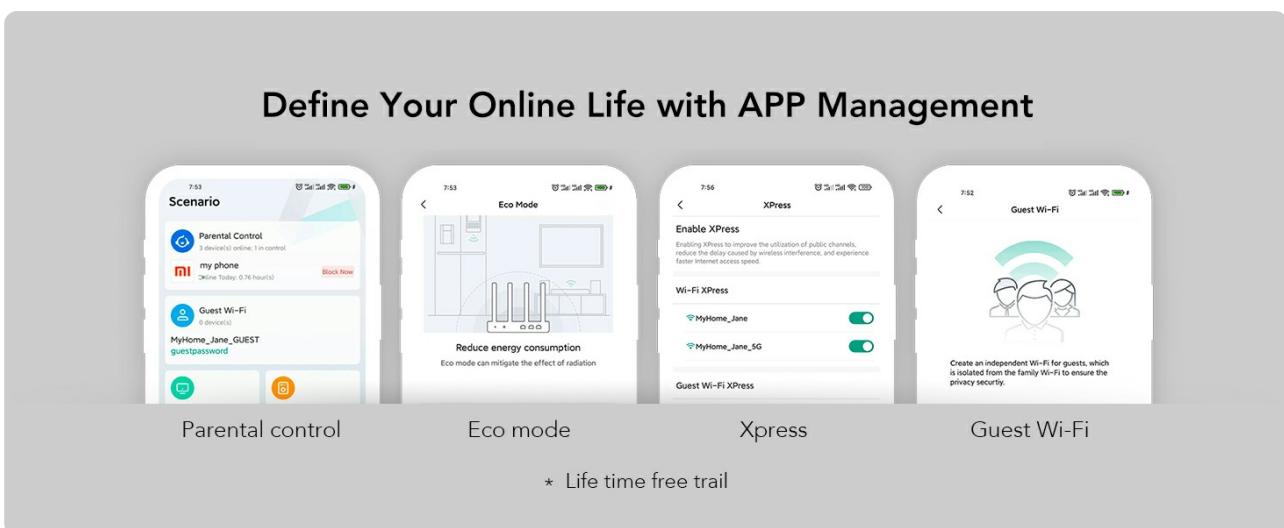


Figure 7: Screenshots of the Reyee app interface showing options for Parental Control, Eco Mode, Xpress, and Guest Wi-Fi.

3.5 Security Features

The router offers robust security measures to protect your network and connected devices. This includes support for VPN (OpenVPN/PPTP), Guest Wi-Fi, Blocklist, SSID Hiding, Firewall, Encryption, and Access Control.



Figure 8: Icons representing various security features: Guest Wi-Fi, Blocklist, SSID Hiding, Firewall, Encryption, and Access Control.

4. MAINTENANCE

4.1 Optimal Placement

For best performance, place the router in a central, elevated location in your home. Avoid placing it near large metal objects, concrete walls, or appliances that emit electromagnetic interference (e.g., microwaves, cordless phones).

4.2 Firmware Updates

Regularly check for and install firmware updates through the Reyee Router app or web interface. Firmware updates often include security patches, bug fixes, and performance improvements.

4.3 Regular Reboot

Periodically rebooting your router (unplugging it from power for 10-15 seconds and then plugging it back in) can help clear its memory and resolve minor performance issues.

5. TROUBLESHOOTING

5.1 No Internet Connection

- Check Cables:** Ensure all Ethernet cables are securely connected to the correct ports (WAN to modem, LAN to devices).
- Reboot Devices:** Power cycle your modem first, then the router. Wait a few minutes for both devices to fully restart and establish a connection.
- Modem Functionality:** Verify that your modem is working correctly by connecting a computer directly to it (bypassing the router).

5.2 Frequent Disconnections or Slow Speeds

- Router Placement:** Relocate the router to a more central and open area, away from potential interference sources.

- **Interference:** Avoid placing the router near other electronic devices, cordless phones, or microwave ovens.
- **Channel Optimization:** Use the Reyee app or web interface to analyze Wi-Fi channels and select less congested ones for your 2.4GHz and 5GHz bands.
- **Firmware Update:** Ensure your router's firmware is up to date.
- **Reset Router:** As a last resort, perform a factory reset (refer to the Quick Installation Guide for instructions). This will erase all custom settings, so you will need to reconfigure the router.

5.3 Cannot Connect to Wi-Fi 6 Products Wirelessly

- **Update Device Drivers:** Some older versions of drivers or software for wireless devices may be incompatible with Wi-Fi 6 products. Please update the driver or software for your wireless device.
- **Check Compatibility:** Ensure your device explicitly supports Wi-Fi 6 (802.11ax).

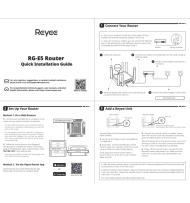
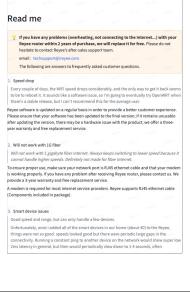
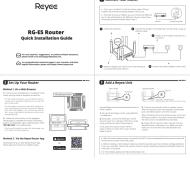
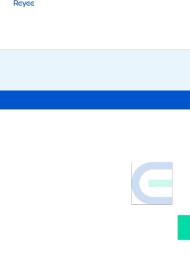
6. SPECIFICATIONS

Feature	Detail
Brand	Reyee
Model Name	AX3200 (RG-E5)
Product Dimensions	11 x 11 x 3 inches
Item Weight	1.76 pounds
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
Wireless Communication Standard	802.11a, 802.11ac, 802.11ax, 802.11b
Max Wireless Speed	AX3200 (2400Mbps on 5GHz, 800Mbps on 2.4GHz)
Antennas	8 Omnidirectional Antennas with 4+4 High-Power FEM Amplifiers
Coverage Area	Up to 3000 square feet
Max Connected Devices	Up to 128 devices
Connectivity Technology	Ethernet
Ports	WAN, LAN ports
Special Features	Beamforming, Wi-Fi, Whole Home Mesh, Wireless, Connects Up to 128 Devices, Parental Control, Guest Mode
Color	Black
Manufacturer	Reyee
Date First Available	November 4, 2021

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included in your product packaging or visit the official Reyee website. Support resources typically include FAQs, troubleshooting guides, and contact information for customer service.

Related Documents - AX3200

	<p>Reyee RG-E5 Router Quick Installation Guide</p> <p>This guide provides instructions for installing and setting up the Reyee RG-E5 Wi-Fi 6 dual-band mesh router. Learn how to connect your router, configure it via web browser or the Reyee Router app, and set up a mesh network with additional Reyee units. Includes troubleshooting tips and safety information.</p>
	<p>Reyee E5 Router Troubleshooting Guide & FAQ</p> <p>Resolve common issues with your Reyee E5 WiFi 6 router. This guide covers speed drops, 1G fiber compatibility, smart device connectivity, and firmware updates, offering solutions and warranty information.</p>
	<p>Reyee RG-E5 Router: Quick Installation Guide for WiFi 6 Mesh Setup</p> <p>A concise guide to setting up your Reyee RG-E5 Wi-Fi 6 router, including connecting to your modem, configuring the router via web or app, and setting up a Reyee mesh network. Includes LED status, button functions, and troubleshooting tips.</p>
	<p>Reyee Home Wi-Fi Router Knowledge Base & FAQs</p> <p>Comprehensive knowledge base and frequently asked questions (FAQs) for Reyee Home Wi-Fi Routers. Covers network basics, wireless communication, device management, configuration, and troubleshooting for models like EG-E5 AX3200 and RG-R6 AX3200.</p>
	<p>Reyee RG-E5 Mesh Router User Manual - WiFi 6 Setup and Configuration</p> <p>User manual for the Reyee RG-E5 Mesh Router, providing instructions on packing list, product appearance, internet setup via web or app, mesh network configuration, FAQs, and regulatory compliance.</p>
	<p>Reyee Home Wi-Fi Router Knowledge Base: FAQs and Guides</p> <p>Comprehensive Frequently Asked Questions (FAQs) and knowledge base for Reyee Home Wi-Fi Routers, covering network basics, wireless communication, device management, and troubleshooting for models like EG-E5 AX3200 and RG-R6 AX3200.</p>