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Tenda RX2L Pro

Tenda AX1500 WiFi 6 Router (RX2L Pro) User Manual

Model: RX2L Pro | Brand: Tenda

1. INTRODUCTION AND OVERVIEW

The Tenda AX1500 WiFi 6 Router (RX2L Pro) is a smart dual-band gigabit WiFi router designed for home use, offering enhanced speed, coverage, and stability. It supports Wi-Fi 6 technology, providing speeds up to 1.5 Gbps (1201 Mbps on 5 GHz and 300 Mbps on 2.4 GHz) for seamless gaming, HD video streaming, and fast downloads.

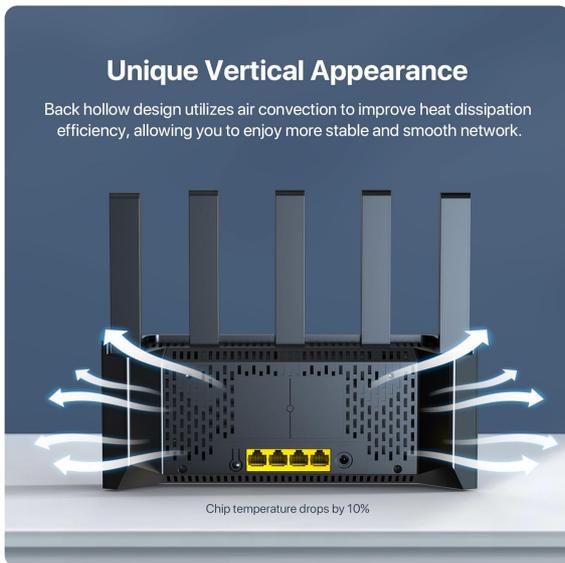
Key features include efficient cooling with its vertical design, extended signal coverage from 5 high-gain antennas, and the ability to connect multiple devices simultaneously using OFDMA and MU-MIMO technologies. It also offers easy setup via a web GUI or Tenda Wi-Fi App, parental controls, and WPA3 security for a robust and secure home network.

2. PRODUCT FEATURES



Overview of Features: This image highlights the

router's key capabilities including AX1500 WiFi 6 speeds, coverage up to 1200 sq. ft., connectivity for up to 28 devices, 4 full Gigabit ports, vertical heat dissipation, IPTV support, WiFi+ networking, and easy setup.



Unique Vertical Appearance: The router's vertical design with a hollow back promotes efficient air convection, improving heat dissipation and ensuring network stability. This design helps to reduce chip temperature by 10%.



Speedy Wi-Fi 6 for Better Experience: The router offers dual-band concurrent speeds up to 1501 Mbps, with 1201 Mbps on the 5GHz band and 300 Mbps on the 2.4GHz band, providing fast and stable Wi-Fi 6 performance throughout your home.

Connect More Devices

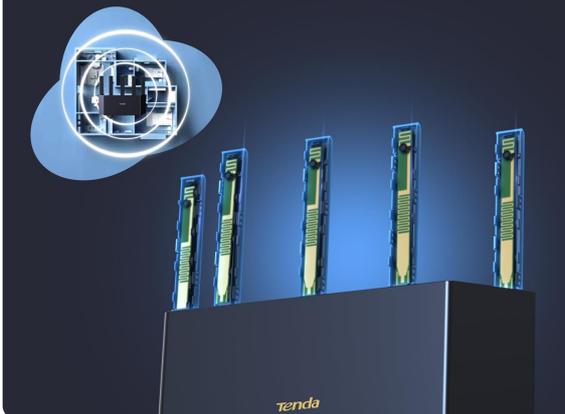
Using OFDMA+MU-MIMO, more devices can access the internet at the same time. More device capacity, less lag.



Network Signal Full Coverage: Equipped with 5 external 6dBi high-gain antennas, the router ensures comprehensive signal coverage, capable of reaching every corner of a three-bedroom house.

Network Signal Full Coverage

5*6dBi High-Gain Antennas, one more antenna to effectively extend signal coverage. WiFi can cover up to three-bedroom house.



Connect More Devices: Utilizing OFDMA and MU-MIMO technology, the router allows multiple devices to access the internet simultaneously, reducing lag and ensuring smooth connectivity for family gatherings, gaming, and smart home devices.

WPA3 Security Protection Technology

The latest WiFi security to keep your devices and network safe.



WPA3 Security Protection Technology: The latest WPA3 WiFi security protocol is supported to enhance network security and protect your devices and data from unauthorized access.



Gigabit Ports: The router features 4 Gigabit LAN ports and 1 Gigabit WAN port, enabling ultra-fast wired connections for devices like PCs, gaming consoles, and smart TVs.

3. PACKAGE CONTENTS

Upon opening the box, you should find the following items:

- AX1500 Smart Dual-band Wifi 6 Router (RX2L Pro) x 1
- Power Adapter x 1
- RJ45 Ethernet cable x 1
- Quick Installation Guide x 1



Product and Packaging: The image displays the Tenda AX1500 WiFi 6 Router alongside its retail packaging, illustrating the compact vertical design and the box contents.

4. SETUP GUIDE

Follow these steps to set up your Tenda AX1500 WiFi 6 Router and get your home network running.

4.1. Physical Connection

1. Connect the Router:

- If you have an Optical Modem (FTTH): Connect the WAN port of the router to the LAN port of your optical modem using the provided Ethernet cable.
 - If you have a DSL Modem (Telephone Line to Home): Connect the WAN port of the router to the LAN port of your DSL modem using the provided Ethernet cable.
 - If you have an Ethernet Cable directly to Home: Connect the Ethernet cable directly to the WAN port of the router.
2. **Power On:** Connect the included power adapter to the router's power port and then plug it into a power outlet. The LED indicator on the router will initially be solid green and then begin to blink, indicating it is starting up.

4.2. Internet Connection Setup (via Tenda Wi-Fi App or Web UI)

3. **Connect to the Router's Wi-Fi:** On your smartphone or computer, enable Wi-Fi and connect to the router's default Wi-Fi network. The SSID (Wi-Fi name) can be found on the label at the bottom of the router (e.g., Tenda_A37530). By default, there is no Wi-Fi password.
4. **Access Setup Interface:** Once connected, your device should automatically direct you to the router's web UI (tendawifi.com). If not, open a web browser and type **tendawifi.com** into the address bar.
5. **Follow On-Screen Prompts:**
- Tap 'Start' to begin the setup.
 - The router will detect your internet connection type (e.g., Dynamic IP, PPPoE).
 - If PPPoE is detected, enter the username and password provided by your Internet Service Provider

(ISP).

- Set your new Wi-Fi Name (SSID) and Wi-Fi Password. You can also set a separate login password for the router's management interface.
- Tap 'Next' to complete the settings.

6. **Reconnect to New Wi-Fi:** After settings are applied, your current Wi-Fi connection will be cut off. Reconnect your devices to the new Wi-Fi network using the name and password you just set. For 5 GHz devices, connect to the 5 GHz Wi-Fi network (e.g., XXXX_5G) for optimal performance.

4.3. Installation Video

Installation Video for RX2L Pro: This official video provides a visual guide to the setup process, including connecting cables and configuring the router via the mobile app or web interface.

5. OPERATING INSTRUCTIONS

Once your router is set up, you can manage and optimize your network using the Tenda Wi-Fi App or the web management interface.

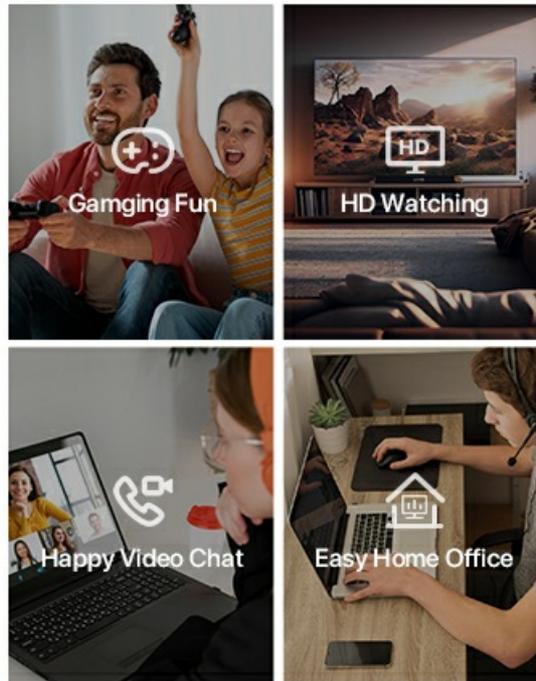
5.1. Network Management

- **Tenda Wi-Fi App:** Download the Tenda Wi-Fi App from your smartphone's app store (Google Play or Apple App Store). The app allows you to monitor network status, manage connected devices, set parental controls, and configure guest networks from anywhere.
- **Web Management Interface:** Access the web UI by typing **tendawifi.com** into your browser's address bar. This interface provides comprehensive control over all router settings.

5.2. Parental Controls

The parental control feature allows you to manage your children's internet usage, prevent internet addiction, and filter unwanted websites.

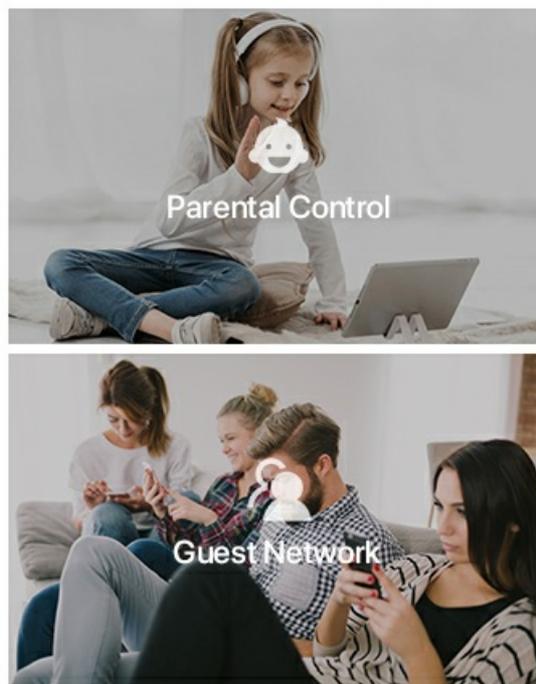
- **Device Terminal Management:** Control which devices can access the internet.
- **Web Site Filtering:** Block access to specific websites.
- **Internet Time Control:** Set schedules for internet access for individual devices.



Parental Control: This image illustrates the parental control feature, allowing users to manage internet access and content for children's devices.

5.3. Guest Network

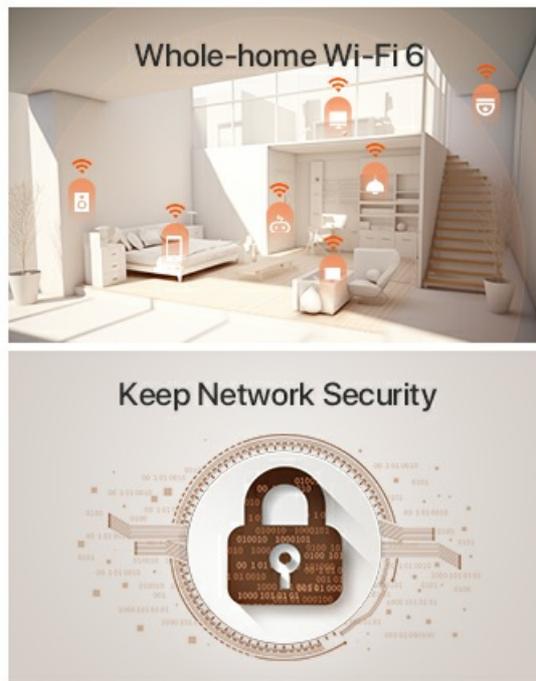
Create a separate Wi-Fi network for guests to ensure the security of your main network. You can easily set up a guest network with specific access rules and time limits.



Guest WiFi: This image shows the interface for setting up a guest Wi-Fi network, providing a secure and convenient way for visitors to connect without accessing your main network.

5.4. Tenda WiFi+ Networking

The Tenda AX1500 RX2L Pro supports Tenda's WiFi+ networking technology, allowing for one-click interconnection with other compatible Tenda WiFi+ routers. This creates a seamless whole-home mesh network, ideal for large or complex environments to eliminate dead zones.



Ultra-wide Coverage With WiFi+: This image illustrates how Tenda WiFi+ technology can be used to expand network coverage throughout a home, creating a unified and strong Wi-Fi signal.

6. MAINTENANCE

To ensure optimal performance and longevity of your Tenda AX1500 WiFi 6 Router, regular maintenance is recommended:

- **Regular Reboots:** Periodically reboot your router (e.g., once a month) by unplugging the power adapter for 10 seconds and then plugging it back in. This can resolve minor connectivity issues and refresh network performance.
- **Firmware Updates:** Check for and install firmware updates through the Tenda Wi-Fi App or web management interface. Firmware updates often include performance improvements, security patches, and new features.
- **Physical Cleaning:** Keep the router clean and free from dust. Dust accumulation can hinder the vertical cooling design. Use a soft, dry cloth to wipe the exterior. Ensure ventilation holes are not obstructed.
- **Optimal Placement:** Place the router in a central location in your home, away from obstructions, large metal objects, and other electronic devices that may cause interference.

7. TROUBLESHOOTING

If you encounter issues with your Tenda AX1500 WiFi 6 Router, refer to the following common troubleshooting steps:

7.1. LED Indicator Status

The LED indicator on the front of the router provides important status information:

LED Indicator	Scenario	Status	Description
Solid green	Startup	The system is starting up.	The router is connected to the internet.
Blinking green slowly	Primary node	Not configured and the router is not connected to the internet.	Configured but the router failed to connect to the internet.
Blinking red slowly	Primary node	Configured but no Ethernet cable is connected to the WAN port.	Networking succeeds. Good connection quality.
Blinking orange slowly	Primary node	Networking succeeds. Fair connection quality.	Networking succeeds. Poor connection quality.
Solid red	Secondary node	Waiting to connect to another node.	Configured but the router failed to connect to the internet.
Blinking green quickly	WPS	Pending for or performing WPS negotiation (valid within 2 minutes).	A device is connected to or disconnected from an Ethernet port of the router.
Blinking orange quickly	Resetting	Restoring to factory settings.	

7.2. Common Issues & Solutions

- **No Internet Access:**

- Check cable connections: Ensure the Ethernet cable from your modem is securely plugged into the router's WAN port.
- Check modem status: Verify your modem is working correctly and has an active internet connection.
- Router configuration: Log into the router's web UI (tendawifi.com) and re-check your internet connection settings (Dynamic IP, PPPoE, etc.).
- Reboot devices: Power cycle your modem and router, then your connected devices.

- **Weak Wi-Fi Signal or Dead Zones:**

- Relocate router: Move the router to a more central location in your home, away from walls, large furniture, and electronic interference.
- Adjust antennas: While fixed, ensure the antennas are positioned optimally for your space.
- Consider Tenda WiFi+: If you have a large home, consider adding another Tenda WiFi+ compatible router to create a mesh network for extended coverage.

- **Devices Cannot Connect to Wi-Fi:**

- Verify Wi-Fi password: Ensure you are entering the correct Wi-Fi password.
- Check Wi-Fi settings: Confirm that Wi-Fi is enabled on the router and that the SSID is broadcasting.
- Device compatibility: Ensure your device supports the Wi-Fi standards used by the router (802.11ax/ac/n/g/b/a).

8. SPECIFICATIONS

Feature	Detail
Model Name	RX2L Pro
Wireless Communication Standard	802.11ax (Wi-Fi 6)
Frequency Band Class	Dual-Band (2.4 GHz & 5 GHz)
Max Wi-Fi Speed	Up to 1.5 Gbps (1201 Mbps on 5 GHz, 300 Mbps on 2.4 GHz)
Antennas	5 external high-gain antennas
Ports	4 x Gigabit LAN Ports, 1 x Gigabit WAN Port
Security Protocol	WPA3
Special Features	Guest Mode, Parental Controls, Tenda WiFi+ Networking, OFDMA, MU-MIMO
Item Weight	1.19 pounds
Package Dimensions	10.2 x 8.54 x 2.44 inches
Manufacturer	Tenda
First Available Date	October 21, 2024

9. WARRANTY AND SUPPORT

Tenda is committed to providing high-quality products and comprehensive user experience. For technical support, user guides, and more information, please visit the official Tenda website or contact their support team.

- **Official Website:** www.tendacn.com/us
- **Email Support:** support.us@tenda.cn
- **Phone Support:** +1 (800) 570-5892 (Mon-Sun 10AM - 6PM EST)

Please refer to your product packaging or the quick installation guide for specific warranty details applicable to your region.