Sxhlseller Sxhlsellerzoi539taxd-12

R311 Pro 4G LTE CPE WiFi Router User Manual

Model: Sxhlsellerzoi539taxd-12 | Brand: Sxhlseller

1. PRODUCT OVERVIEW

The Sxhlseller R311 Pro 4G LTE CPE WiFi Router is a versatile mobile Wi-Fi solution designed to provide high-speed internet access using a standard SIM card. It is ideal for home, office, or outdoor surveillance projects, offering robust connectivity and wide coverage.

This router supports 4G LTE networks and provides Wi-Fi speeds of up to 300 Mbps, enabling smooth browsing, streaming, and online activities for multiple users. Equipped with two external 5dBi high-gain antennas, it ensures enhanced signal reception and stable wireless performance.

2. KEY FEATURES

- **High-Speed Connectivity:** Offers up to 300 Mbps wireless transmission speed, supporting 802.11b/g/n and MIMO technology.

- **Multi-User Support:** Capable of supporting up to 32 simultaneous Wi-Fi connections, providing secure internet sharing for various devices like smartphones, tablets, and PCs.

- **Enhanced Signal Strength:** Comes with two 5dBi high-gain external antennas to improve signal power and ensure reliable wireless connectivity.

- **Wide Application Scenarios:** Suitable for indoor and outdoor Wi-Fi coverage, including offices, factories, warehouses, gardens, and parking lots.

- **Broad Network Compatibility:** Compatible with SIM card bands in Asia, Southeast Asia, Africa, and the Middle East, supporting 4G LTE (B1/B3/B5/B8/B34/B38/B39/B40/B41), 3G WCDMA UMTS (B1/B5/B8), and 2G GSM/EDEG (B3/B8).

3. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and in good condition.

- 1 x R311 Pro 4G LTE CPE WiFi Router

- 1 x Network Cable (Ethernet Cable)

- 1 x Power Adapter (EU Plug)

- 1 x User Manual

Figure 3.1: Package Contents - Router, Power Adapter, and Ethernet Cable.
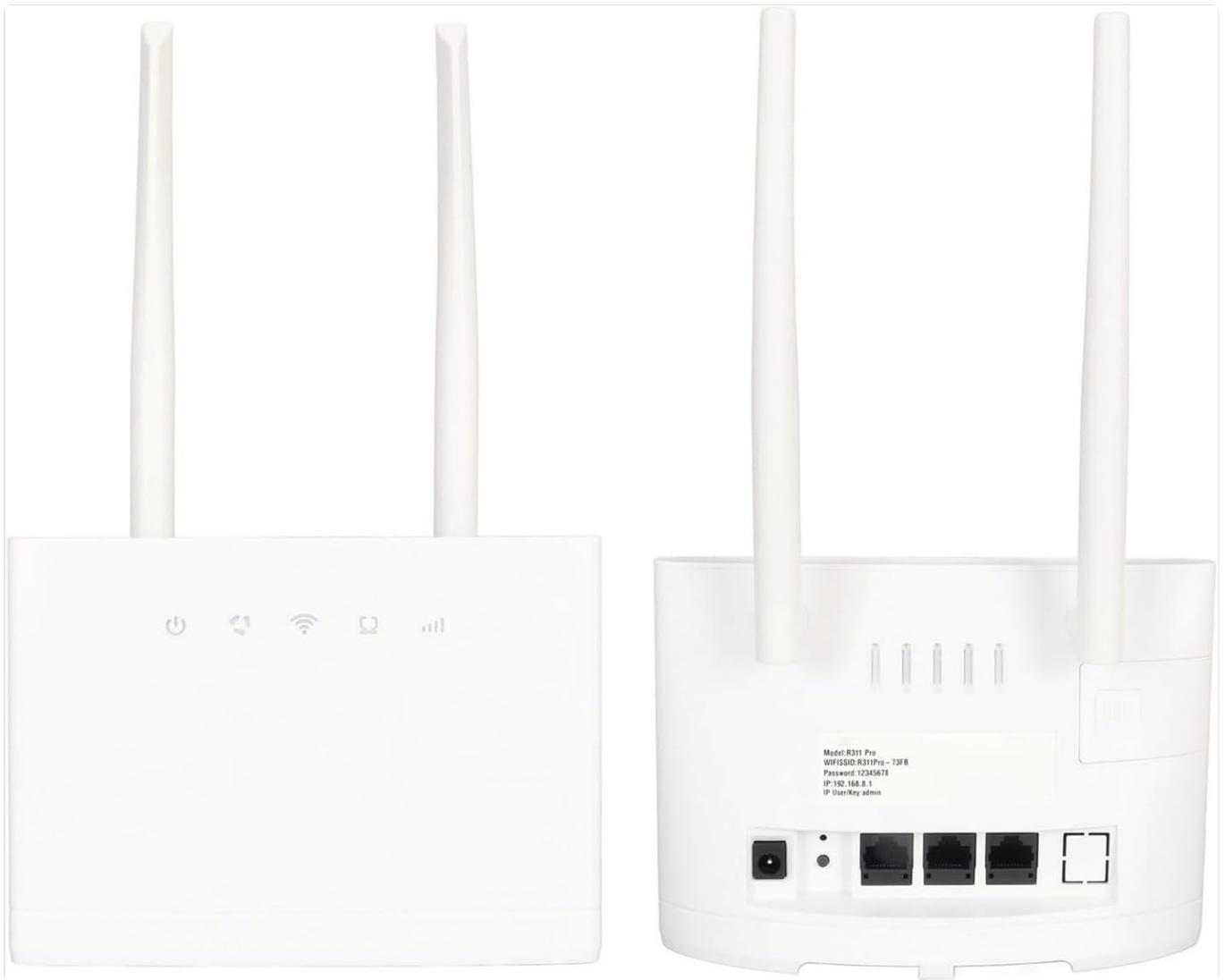
4. PRODUCT DIAGRAM

Figure 4.1: Front View with LED Indicators

Power Indicator: Shows device power status.

Wi-Fi Indicator: Shows Wi-Fi network status.

Signal Strength Indicator: Displays the strength of the 4G LTE signal.

Figure 4.2: Rear View with Ports

DC Power Input: Connects to the power adapter.

LAN/WAN Ports: For wired network connections.

SIM Card Slot: Insert your standard SIM card here.

Figure 4.3: SIM Card Slot Detail

This image shows the dedicated slot for inserting a standard SIM card, which is essential for 4G LTE connectivity.
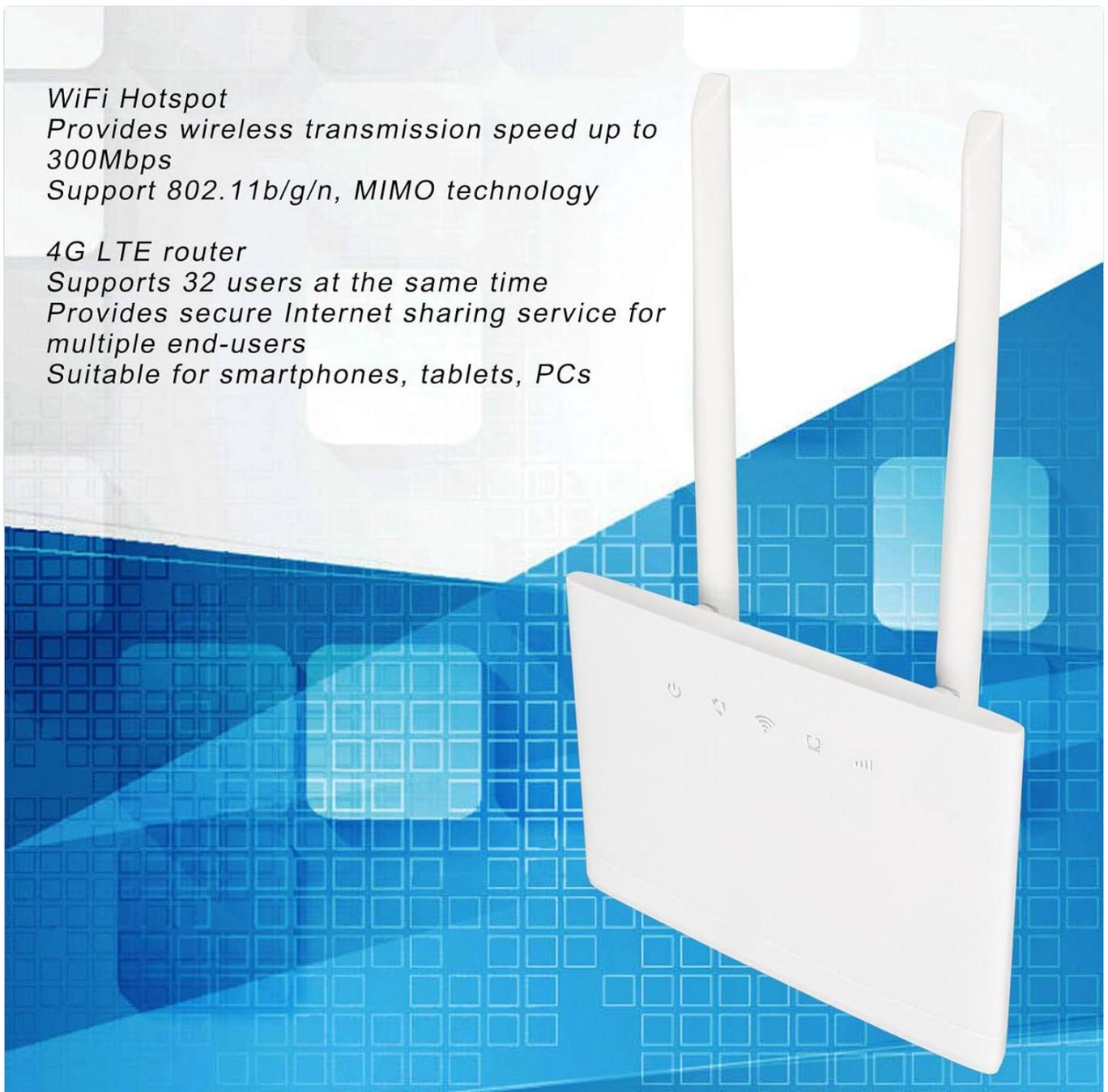
WiFi Hotspot
Provides wireless transmission speed up to
300Mbps
Support 802.11b/g/n, MIMO technology

4G LTE router
Supports 32 users at the same time
Provides secure Internet sharing service for
multiple end-users
Suitable for smartphones, tablets, PCs

Figure 4.4: LED Indicators Close-up

A detailed view of the power, Wi-Fi, and signal strength indicators, providing quick status updates.

5. SPECIFICATIONS

Feature	Description
Item Type	4G LTE CPE Wi-Fi Router
Material	ABS
Color	White
Voltage	100-240 V
SIM Card Type	Standard SIM card (not included)

Feature	Description
4G LTE Bands	B1/B3/B5/B8/B34/B38/B39/B40/B41
3G WCDMA Bands	B1/B5/B8
2G GSM / EDEG Bands	B3/B8
Wi-Fi Standard	802.11b/g/n; 300 Mbps, MIMO technology
External Antennas	2 x 5dBi High Gain Antennas
Max Wi-Fi Users	Up to 32 simultaneous connections
Applicable Regions	Asia, Southeast Asia, Africa, Middle East
Operating System	RouterOS
Number of Ports	1 (LAN/WAN)
Data Transfer Rate	300 Megabits per second

6. SETUP INSTRUCTIONS

Follow these steps to set up your R311 Pro 4G LTE CPE WiFi Router:

1. **Open the SIM Card Slot:** Gently press the back cover or designated area to access the SIM card slot.
2. **Insert SIM Card:** Insert your standard SIM card into the slot with the card's core (chip) facing downwards. Ensure it clicks into place securely. *(Note: SIM card is not included.)*
3. **Connect Power:** Plug the power adapter into the router's DC power input port, then plug the adapter into a wall outlet. The router will power on automatically.
4. **Wait for Wi-Fi Signal:** Allow a few moments for the router to boot up and establish a network connection. The Wi-Fi and signal strength indicators on the front panel should light up.
5. **Connect to Wi-Fi:** On your device (smartphone, tablet, PC), search for available Wi-Fi networks. Select the network name (SSID) broadcasted by the router. The default SSID and password are usually printed on a label on the router.
6. **Access Web Interface (Optional):** To change Wi-Fi name, password, or configure APN settings, open a web browser and enter 192.168.8.1 in the address bar. Log in using the default credentials (usually 'admin' for both username and password, check the router label or manual for specifics).

7. OPERATING INSTRUCTIONS

Once the router is set up and connected to the internet via your SIM card, you can begin using it:

- **Wireless Connection:** Connect your Wi-Fi-enabled devices to the router's Wi-Fi network using the provided SSID and password.
- **Wired Connection:** For devices requiring a wired connection, use an Ethernet cable to connect them to one of the LAN/WAN ports on the back of the router.
- **Monitoring Status:** Observe the LED indicators on the front panel to monitor the router's status:

  - **Power LED:** Solid light indicates the router is powered on.

- **Wi-Fi LED:** Solid or blinking light indicates Wi-Fi is active.
  - **Signal Strength LEDs:** Multiple bars indicate stronger 4G LTE signal.

- **Web Interface Access:** Access the router's web interface (192.168.8.1) to manage network settings, view connected devices, update firmware, or configure advanced options.

8. MAINTENANCE

To ensure the longevity and optimal performance of your router, consider the following maintenance tips:

- **Placement:** Place the router in a central location, away from obstructions, large metal objects, and other electronic devices that may cause interference. Ensure good ventilation.
- **Cleaning:** Regularly clean the router's exterior with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Power Cycle:** If you experience connectivity issues, try power cycling the router (unplug it from the power outlet, wait 10-15 seconds, then plug it back in).
- **Environmental Conditions:** Avoid exposing the router to extreme temperatures, direct sunlight, high humidity, or dusty environments.

9. TROUBLESHOOTING

If you encounter issues with your router, refer to the following common troubleshooting steps:

- **No Power:**

  - Ensure the power adapter is securely connected to both the router and a working power outlet.
  - Check if the power outlet is functional by plugging in another device.

- **No Internet Connection:**

  - Verify that the SIM card is correctly inserted and active with a data plan.
  - Check the signal strength LEDs on the router. If signal is weak or absent, try relocating the router.
  - Access the router's web interface (192.168.8.1) and check the APN settings. Ensure they match your mobile carrier's requirements.
  - Perform a power cycle on the router.

- **Weak Wi-Fi Signal or Slow Speed:**

  - Ensure the external antennas are securely attached and oriented vertically.
  - Move the router to a more central location, away from walls, large furniture, and other electronic devices that may cause interference.
  - Reduce the number of connected devices if too many are active simultaneously.
  - Consider changing the Wi-Fi channel in the router's web interface to avoid interference from neighboring networks.

- **Cannot Access Web Interface:**

  - Ensure your device is connected to the router's Wi-Fi network or via an Ethernet cable.
  - Double-check that you are typing the correct IP address (192.168.8.1) into your browser.
  - Clear your browser's cache and cookies, or try a different browser.

- Temporarily disable any firewall or antivirus software on your computer.

If the problem persists after trying these steps, please contact customer support.

10. WARRANTY AND SUPPORT INFORMATION

Specific warranty details and support contact information are typically provided with your purchase documentation or on the manufacturer's official website. Please refer to the packaging or the included warranty card for precise terms and conditions.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Sxhlseller customer support through their official channels. Information regarding spare parts availability and software updates is not readily available in this document; please consult the manufacturer's resources for the most current information.