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› ASHATA 5G CPE WiFi 6 SIM Card Router Instruction Manual

ASHATA ASHATAg8cesbvx7-11

ASHATA 5G CPE WiFi 6 SIM Card Router Instruction Manual

Model: ASHATAg8cesbvx7-11

1. INTRODUCTION

The ASHATA 5G CPE WiFi 6 Router is a high-performance wireless device designed to provide fast and reliable internet connectivity. It supports 5G cellular networks via a SIM card and offers dual-band WiFi 6 for high-speed data transfer. Featuring 8 integrated high-gain antennas and 4x4 MIMO technology, this router ensures excellent signal reception and efficient heat dissipation. It is suitable for various applications, including home, office, RV travel, and camping, supporting up to 32 simultaneous users.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x ASHATA 5G CPE WiFi 6 Router
- 1 x Power Adapter (EU Plug)
- 2 x Ethernet Cables
- 1 x User Manual (this document)



Image 2.1: Contents of the ASHATA 5G CPE WiFi 6 Router package, including the router, power adapter, and two Ethernet cables.

3. PRODUCT OVERVIEW

3.1 Front and Side View



Image 3.1: The ASHATA 5G CPE WiFi 6 Router, showing its sleek white cylindrical design and indicator lights on the front panel for Battery, WiFi, SYS, 5G/4G, NET, and Power status.

3.2 Rear Panel and Ports

8 high gain antennas

Provides excellent signal reception and efficient heat dissipation.

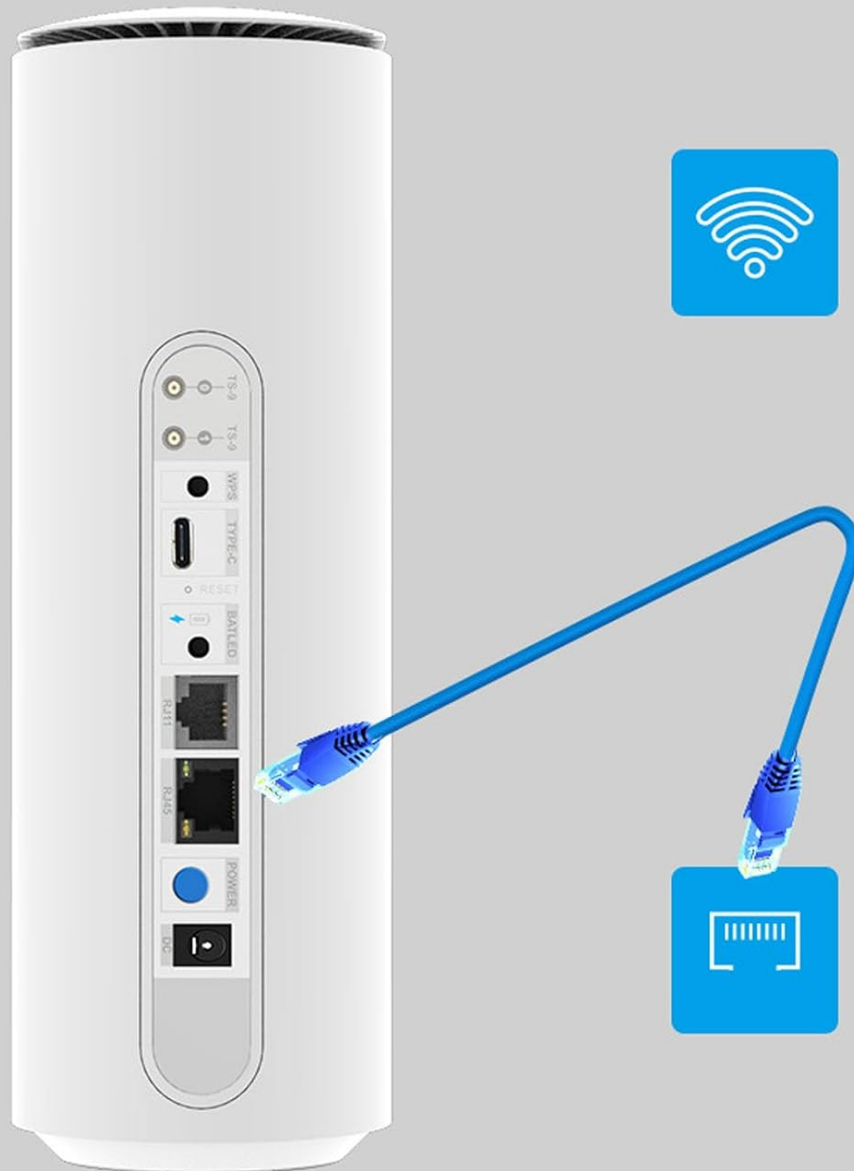


Image 3.2: The rear panel of the router, featuring various ports including LAN, WAN/LAN, SIM card slot, USB, Reset button, and Power input. Two Ethernet cables are shown connected to the LAN ports.

The router is equipped with 8 integrated high-gain antennas, ensuring robust signal reception and efficient heat dissipation for optimal performance.

3.3 Key Features

- **WiFi 6 Dual Band:** Experience high-speed downloads, streaming, and transfers with speeds up to 1201 Mbps on the 5 GHz band and 574 Mbps on the 2.4 GHz band.
- **5G Connectivity:** Supports 5G NR SA and NSA modes, providing advanced cellular network access.
- **Multi-Device Support:** Connects up to 32 simultaneous users, catering to the entertainment needs of an entire household or small office.
- **Industrial Design:** Engineered for stability and reliability with carefully selected components for low power consumption and effective heat dissipation through its vertical design.

4. SETUP GUIDE

Follow these steps to set up your ASHATA 5G CPE WiFi 6 Router:

1. **Insert SIM Card:** Locate the SIM card slot on the router. Gently insert your 5G/4G SIM card into the designated slot until it clicks into place. Ensure the SIM card is correctly oriented. The router supports 2FF and 4FF SIM card types.



Image 4.1: The router's side panel, indicating the SIM card insertion point. The device is designed for stable and reliable operation.

2. **Connect Power:** Connect the provided power adapter to the router's DC IN port and then plug the adapter into a standard electrical outlet. The Power indicator light on the front panel should illuminate.
3. **Power On:** Press the power button located on the rear panel to turn on the router. Wait for the SYS and NET indicator lights to stabilize, indicating that the router is booting up and establishing a network connection.
4. **Connect Devices:**
 - **Wireless Connection:** On your device (smartphone, laptop, tablet), search for available Wi-Fi networks. Select the router's Wi-Fi network name (SSID) and enter the default password (usually found on a label on the router or in the quick start guide).
 - **Wired Connection:** Connect an Ethernet cable from one of the router's LAN ports to the Ethernet port on your computer or other network device.
5. **Access Web Management Interface:** Open a web browser on a connected device and enter the default IP address

(e.g., 192.168.1.1 or 192.168.0.1) into the address bar. Log in using the default username and password (refer to the router's label or quick start guide for credentials). From here, you can configure network settings, change Wi-Fi names and passwords, and monitor your connection.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once the router is set up and connected to the internet via your SIM card, it operates as a mobile hotspot and a fixed wireless router. The indicator lights on the front panel provide status information:

- **Power:** Indicates if the device is powered on.
- **NET:** Indicates internet connectivity status.
- **5G/4G:** Shows the current cellular network type (5G or 4G).
- **SYS:** System status indicator.
- **WiFi:** Indicates Wi-Fi functionality is active.
- **Battery:** (If applicable) Indicates battery status.

5.2 Connecting Multiple Devices

The ASHATA 5G CPE WiFi 6 Router supports up to 32 simultaneous users, allowing multiple devices to connect and share the internet connection without significant performance degradation.



Image 5.1: Illustration of the router supporting simultaneous online gaming and HD video streaming across multiple devices, highlighting its capacity for up to 32 users.

5.3 Dual-Band WiFi 6

Leverage the benefits of WiFi 6 technology across both 2.4 GHz and 5 GHz bands for optimized performance. The 5 GHz band offers higher speeds (up to 1201 Mbps) ideal for gaming and streaming, while the 2.4 GHz band provides wider coverage (up to 574 Mbps) for general browsing and smart home devices.

Dual band WiFi 6

High speed download, streaming, transmission.

Up to 1201Mbps on the 5 GHz band.

Up to 574Mbps on the 2.4GHz band.



Image 5.2: The router's dual-band WiFi 6 capability, emphasizing high-speed downloads, streaming, and transmission with specific speeds for 5 GHz and 2.4 GHz bands.

5.4 Plug and Play Functionality

The router is designed for ease of use, offering plug-and-play functionality. Simply insert a valid SIM card and power on the device to establish an internet connection. This makes it ideal for various environments such as homes, offices, RV trips, and camping.



Image 5.3: The router positioned next to a smartphone, illustrating its plug-and-play nature and suitability for families, offices, RV trips, camping, and small businesses.

6. SPECIFICATIONS

Feature	Detail
Product Type	5G CPE SIM Card Router
Brand	ASHATA
Model	ASHATAtg8cesbv7-11
Material	ABS
Power Input	100-240V (EU Plug)

5G Module	RG500U
SIM Card Slot	2FF, 4FF
Network Ports	2 x 1000Mbps LAN (Gigabit Ethernet)
5G Antenna	8 Integrated High-Gain Antennas, 4x4 MIMO
Wireless Module	FCO6E
Wireless Standard	802.11ax (WiFi 6)
Wireless Speed	Up to 1800 Mbps (1201 Mbps on 5GHz, 574 Mbps on 2.4GHz)
Wireless Frequency Bands	2.4 GHz (2.400-2.4835 GHz), 5 GHz (5.150-5.850 GHz)
Encryption	WPA, WPA2, WPA2-PSK
Max. Connected Devices	32 Users
Dimensions (L x W x H)	22 x 21 x 8 cm (approximate)
Weight	720 g
Compatible Devices	PC, Smartphone, Tablet, Game Console, Smart TV

Supported Frequency Bands:

- **5G NR SA:** n1, 3, 5, 7, 8, 20, 28, 38, 40, 41, 71, 77, 78, 79 (n5 n71 optional)
- **LTE FDD:** B1, 2, 3, 4, 5, 7, 8, 20, 28A, 28B, 66
- **LTE TDD:** B38, 40, 41
- **WCDMA:** B1, B2, B5, B8

7. MAINTENANCE

To ensure optimal performance and longevity of your ASHATA 5G CPE WiFi 6 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 around the device to prevent overheating.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the manufacturer's website or the router's web management interface for available firmware updates. Keeping the firmware updated can improve performance, add new features, and enhance security.
- **Restarting:** If you experience network issues, try restarting the router by unplugging the power adapter, waiting for 10-15 seconds, and then plugging it back in.
- **Security:** Regularly change your Wi-Fi password and router login credentials to strong, unique passwords to protect your network from unauthorized access.

8. TROUBLESHOOTING

If you encounter issues with your ASHATA 5G CPE WiFi 6 Router, refer to the following common troubleshooting steps:

- **No Internet Connection:**

- Ensure the SIM card is correctly inserted and active.
- Check the NET indicator light on the router. If it's off or red, there might be an issue with the cellular network or SIM card.
- Verify that your cellular data plan is active and has sufficient data.
- Restart the router and your connected devices.
- Access the web management interface to check the network status and APN settings.

- **Slow Wi-Fi Speed:**

- Ensure your devices are connected to the appropriate Wi-Fi band (5 GHz for higher speeds, 2.4 GHz for wider coverage).
- Reduce the distance between your device and the router, and remove any obstructions.
- Check for interference from other electronic devices.
- Limit the number of connected devices or bandwidth-intensive activities.

- **Cannot Access Web Management Interface:**

- Ensure your device is connected to the router's network (either via Wi-Fi or Ethernet).
- Verify that you are using the correct IP address (e.g., 192.168.1.1) and login credentials.
- Try a different web browser.
- If you have forgotten the login credentials, you may need to perform a factory reset (see below).

- **Factory Reset:** If other troubleshooting steps fail, you can perform a factory reset. Locate the Reset button on the rear panel (often a small pinhole). With the router powered on, use a paperclip or similar pointed object to press and hold the Reset button for approximately 5-10 seconds until the indicator lights flash. The router will restart with factory default settings. **Warning:** This will erase all custom configurations, including Wi-Fi names and passwords.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. ASHATA products typically come with a standard manufacturer's warranty covering defects in materials and workmanship.

For technical support or further assistance, please visit the official ASHATA website or contact their customer service department. Keep your product model number (ASHATAtg8cesbv7-11) and purchase details readily available when seeking support.

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