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› ASHATA 4G Solar Modem Router User Manual

## ASHATA ASHATAcf6g03gxn5

# ASHATA 4G Solar Modem Router User Manual

Model: ASHATAcf6g03gxn5

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASHATA 4G Solar Modem Router. Designed for outdoor use, this device offers reliable 4G LTE to WiFi connectivity, powered by a solar panel and an integrated 18000mAh battery. Please read this manual thoroughly before using the product to ensure proper function and safety.

## SAFETY INFORMATION

- Ensure the device is installed in a location with adequate sunlight for optimal solar charging.
- Do not attempt to open or modify the device. Unauthorized modifications can void the warranty and pose safety risks.
- Keep the device away from extreme heat sources or open flames.
- Use only the specified power sources for charging (solar or USB Type-C cable, not included).
- This device is IP66 water-resistant, but avoid submerging it in water.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- ASHATA 4G Solar Modem Router (with integrated solar panel)
- Multiple External Antennas (4 shown in package contents)
- Mounting Bracket and Screws
- Small Screwdriver
- Waterproof Caps for Ports



# Low-Power outdoor Router



Image: Rear view of the router, highlighting the SIM card slot and the label indicating 4G to WiFi functionality.

- **Solar Panel:** Integrated on the front for power generation.
- **Antenna Ports:** For connecting external WiFi and 4G antennas.
- **SIM Card Slot:** For inserting a 4G SIM card (not included).
- **USB Port:** For charging the device (Type-C cable not included).
- **LED Indicators:** Green (Full Power), Blue (Solar Charging), Red (Low Power).
- **Reset Button:** To restore factory settings.

## SETUP

### 1. Physical Installation

1. **Mounting:** Choose an outdoor location with direct sunlight exposure and good 4G signal reception. Use the provided mounting bracket and screws to securely attach the router to a pole or wall.

2. **Antenna Connection:** Screw the provided antennas onto the designated ports on the router. Ensure they are tightened securely.



Image: The solar modem router mounted on a tree, demonstrating its outdoor installation and wireless signal reach to a smartphone.

## 2. SIM Card Installation

1. Locate the SIM card slot on the router.
2. Carefully insert a standard 4G SIM card (not included) into the slot until it clicks into place. Ensure the SIM card is correctly oriented.
3. Close the waterproof cover over the SIM slot to protect it from environmental elements.



Image: A close-up view of a hand inserting a SIM card into the designated slot on the router, illustrating the installation process.

### 3. Powering On and Charging

- The device will automatically power on when sufficient solar power is available or when connected via USB.
- The blue LED indicates solar charging is active. The green LED indicates full power, and the red LED indicates low power.
- For initial charging or in low light conditions, connect a USB Type-C cable (not included) to the charging port.

## OPERATION

### 1. Connecting to WiFi

1. Once powered on, the router will broadcast a WiFi signal.
2. On your device (smartphone, tablet, laptop), search for available WiFi networks.
3. Connect to the network with SSID: **4G MIFI\_XXXX** (where XXXX are the last four digits of the device's MAC address or a unique identifier).

4. Enter the default WiFi password: **12345678**.

## 2. Accessing the Web Interface

1. Open a web browser on a device connected to the router's WiFi.
2. Enter the default gateway IP address: **192.168.100.1** in the address bar.
3. When prompted, enter the default username: **Admin** and password: **Admin**.
4. From the web interface, you can change WiFi settings (SSID, password), view network status, and configure advanced settings. It is recommended to change the default administrator password for security.

The router primarily functions as a wireless access point, converting 4G signals to WiFi. For wired connections, please refer to the device's specifications for port availability, as the LAN port is listed as inapplicable in detailed specifications.

## MAINTENANCE

### Cleaning:

- Wipe the solar panel and device casing with a soft, damp cloth to remove dust and debris.
- Do not use harsh chemicals or abrasive cleaners.

### Battery Care:

- Ensure the solar panel receives adequate sunlight to maintain battery charge.
- If the device will be stored for an extended period, ensure it is fully charged before storage and periodically recharged to prevent deep discharge.

## TROUBLESHOOTING

### Device not powering on:

Ensure the device has sufficient charge. Connect it to a USB Type-C power source for initial charging if solar power is insufficient. Check the LED indicators for power status.

### No 4G signal or SIM card not recognized:

- Verify the SIM card is correctly inserted and activated with a data plan.
- Ensure the device is in an area with 4G network coverage.
- Check the SIM card slot for any obstructions.
- Try restarting the device.

### Cannot connect to WiFi:

- Confirm the WiFi SSID and password are correct.
- Ensure your device is within the router's WiFi coverage area (100-150m in open areas).
- Restart both the router and your connecting device.

### Slow internet speed:

- Check your 4G signal strength. Weak signal will result in slower speeds.
- Reduce the number of connected devices.
- Ensure the router's antennas are properly connected and oriented.

### How to restore factory settings:

Locate the reset button (often a small pinhole). Use a paperclip or the provided screwdriver to press and hold the button for approximately 10 seconds until the device restarts. This will revert all settings to their factory defaults, including WiFi SSID and password.

## SPECIFICATIONS

<b>Model Name</b>	ASHATAcf6g03gxn5
<b>Transmission Rate</b>	300 Mbps
<b>Main Chip</b>	ASR
<b>Supported OS</b>	Windows XP, Vista, 7, 8/8.1, OS X 10.7+
<b>Network Type</b>	FDD LTE, TDD LTE, WCDMA / HSPA+
<b>Power Supply</b>	Solar / USB (Type-C cable not included)
<b>Wireless Device Access</b>	Up to 8 devices
<b>Solar Panel Power</b>	12W
<b>Battery Capacity</b>	18000mAh Lithium
<b>Battery Life (approx.)</b>	32 hours
<b>Charging Time (approx.)</b>	8 hours (environment dependent)
<b>WiFi SSID (Default)</b>	4G MIFI_XXXX
<b>WiFi Password (Default)</b>	12345678
<b>WiFi Frequency</b>	2.4 GHz
<b>WiFi Standard</b>	802.11b/g/n
<b>Gateway IP (Default)</b>	192.168.100.1
<b>Admin Login (Default)</b>	Admin / Admin
<b>Coverage Distance</b>	Approx. 100-150m in open areas
<b>4G Frequency Bands</b>	B1 / B3 / B5 / B7 / B8 / B20 / B28 / B38 / B40 / B41
<b>3G Frequency Bands</b>	B1 / B5 / B8
<b>LED Indicators</b>	Green (Full Power), Blue (Solar Charging), Red (Low Power)
<b>SIM Card Slot</b>	Supports standard SIM card (not included)
<b>Antennas</b>	Multiple External Antennas (4 shown in package contents)
<b>Waterproof Rating</b>	IP66
<b>Product Dimensions</b>	Approx. 306 x 190 x 45 mm (12 x 7.5 x 1.8 inches)
<b>Operating Temperature</b>	-15 to 75 °C
<b>Storage Temperature</b>	-30 to 75 °C

Operating Humidity	10% - 70%
Storage Humidity	5% - 70%

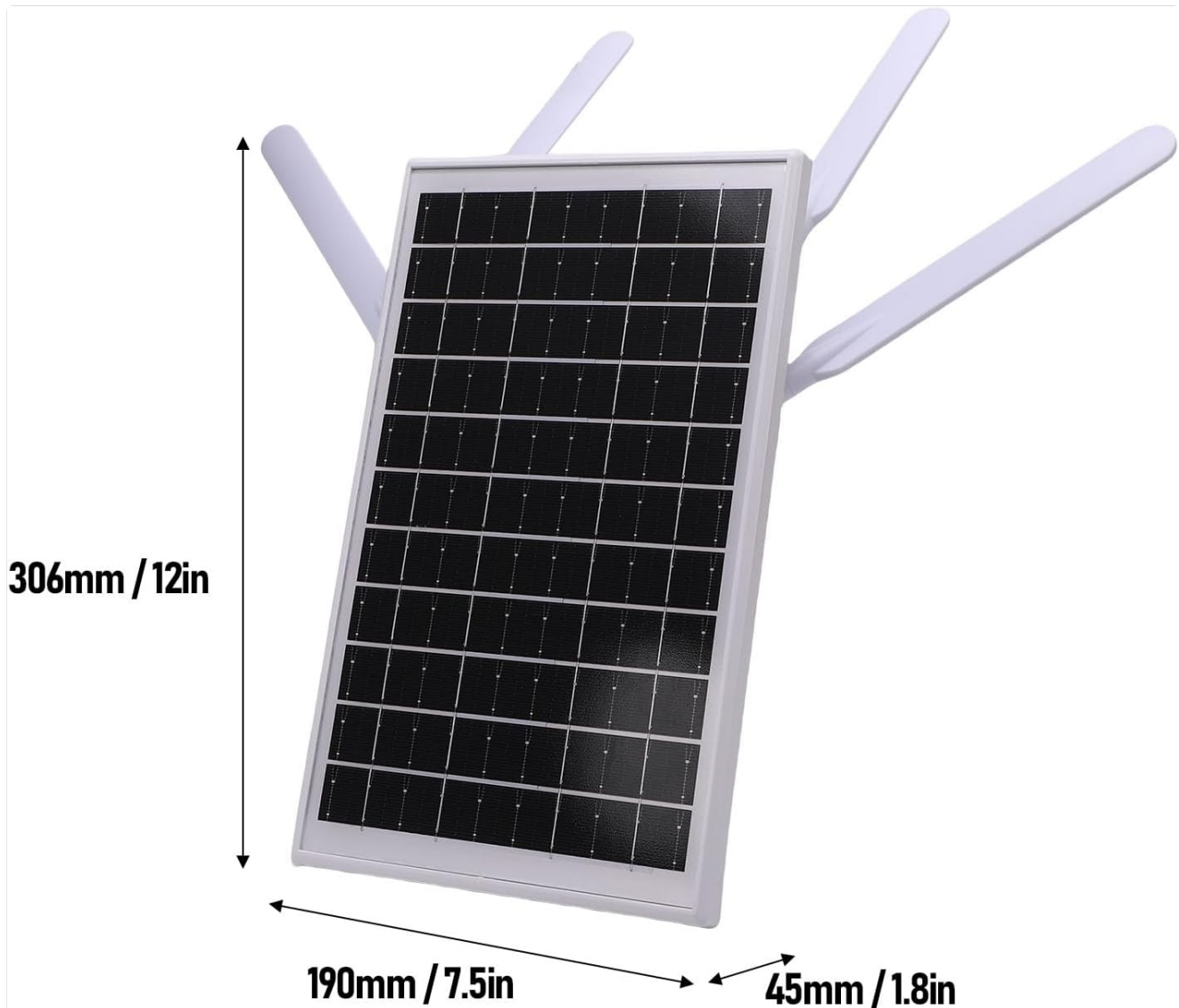


Image: Diagram showing the physical dimensions of the ASHATA 4G Solar Modem Router.

## WARRANTY AND SUPPORT

This product comes with a **90-day warranty** from the date of purchase, covering manufacturing defects. For technical support or warranty claims, please contact ASHATA customer service through your retailer or the official ASHATA website.

Please retain your proof of purchase for warranty validation.