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> [HUAWEI WiFi AX3S Router User Manual](#)

## HUAWEI PSDN-AX30

# HUAWEI WiFi AX3S Router

## USER MANUAL

### 1. Introduction

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This user manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your HUAWEI WiFi AX3S router. The AX3S is a high-performance Wi-Fi 6 Plus router designed to deliver ultra-fast speeds of up to 3000 Mbps, enhanced coverage, and smart network management features for your home or office.

### 2. Safety Information

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Please read this section carefully before using the device to ensure proper and safe operation. Keep this manual for future reference.

- Use only the power adapter provided with the device.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Avoid placing the device near sources of interference, such as microwave ovens or cordless phones.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel for assistance.
- Ensure proper ventilation around the device to prevent overheating.

### 3. Package Contents

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Verify that all items are present in your package:

- HUAWEI WiFi AX3S Router
- Power Adapter
- Ethernet Cable
- Quick Start Guide

### 4. Product Overview

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Familiarize yourself with the components of your HUAWEI WiFi AX3S router.



**Figure 4.1:** Front view of the HUAWEI WiFi AX3S router, showcasing its sleek black design and four external antennas.



**Figure 4.2:** Rear view of the HUAWEI WiFi AX3S router, displaying the power input, reset button, four Gigabit WAN/LAN adaptive ports, and the WPS button.

## 4.1. LED Indicators

- **Indicator Light:** Located on the front panel.
  - Steady Green: Connected to the internet.
  - Steady Red: Not connected to the internet.
  - Flashing: Pairing or WPS in progress.

## 4.2. Ports and Buttons

- **Power Port:** Connects to the power adapter.
- **WAN/LAN Ports (x4):** Gigabit Ethernet ports that automatically adapt between WAN and LAN functions.
- **Reset Button:** Press and hold for more than 2 seconds to restore factory settings.
- **WPS Button:** Press to enable Wi-Fi Protected Setup for easy device connection.

## 5. Setup Guide

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Follow these steps for the initial setup of your HUAWEI WiFi AX3S router.

### 1. Connect the Cables:

- a. Connect the power adapter to the router's power port and plug it into a power outlet.

- b. Connect one end of the Ethernet cable to the WAN/LAN port on your router and the other end to your modem's LAN port or the wall's internet port.
- c. If connecting a wired device, use another Ethernet cable to connect it to any of the remaining WAN/LAN ports on the router.

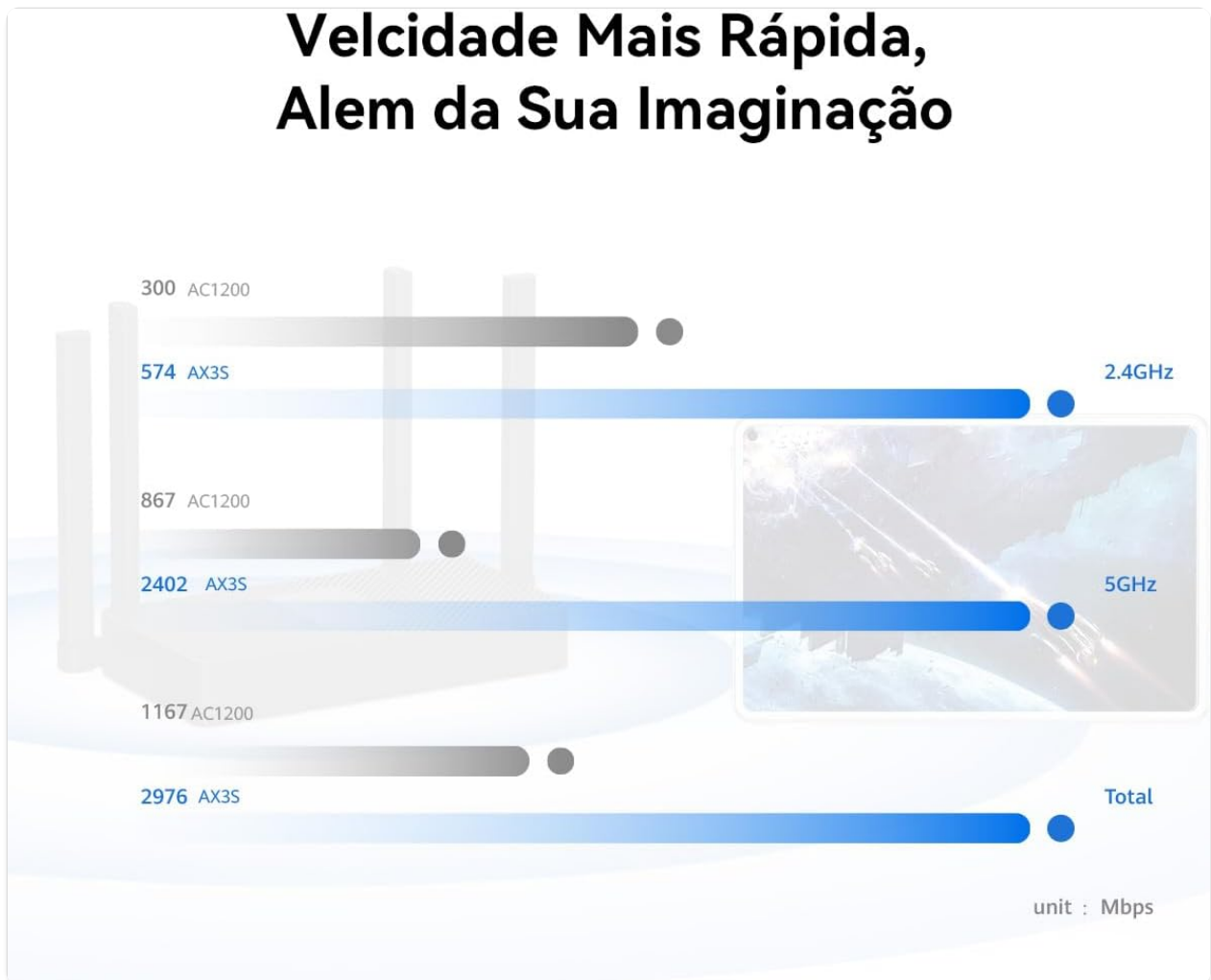


Figure 5.1: Diagram illustrating the connection of the router to the power source, modem, and a wired device.

2. **Wait for Indicator:** Wait until the indicator light on the router turns steady green, indicating a successful internet connection.
3. **Configure the Router:**
  - a. **Using a Web Browser:** Connect your computer to the router via Wi-Fi (SSID and password are on the router's label) or an Ethernet cable. Open a web browser and enter [192.168.3.1](http://192.168.3.1) in the address bar. Follow the on-screen instructions to complete the setup, including setting up your Wi-Fi name and password.
  - b. **Using HUAWEI AI Life App:** Download the HUAWEI AI Life app from your smartphone's app store. Open the app, search for your router, and follow the prompts to connect and configure it.

## 6. Operating Instructions

Once set up, you can connect your devices and manage your network.

### 6.1. Connecting Devices

- **Wi-Fi Connection:** On your wireless device (smartphone, laptop, tablet), search for available Wi-Fi networks. Select the Wi-Fi name (SSID) you configured during setup and enter the password.

- **Wired Connection:** Connect an Ethernet cable from your device to any available WAN/LAN port on the router.

## 6.2. Wi-Fi 6 Plus Performance

The HUAWEI WiFi AX3S supports Wi-Fi 6 Plus, offering significantly faster speeds and improved efficiency, especially with compatible devices.



**Figure 6.1:** Visual representation of the Wi-Fi 6 Plus 3000MPS capability, highlighting its advanced wireless technology.

# Adaptação Automática Gigabit WAN/LAN



**Figure 6.2:** A chart comparing the theoretical speeds of the AX3S on 2.4GHz and 5GHz bands against older Wi-Fi standards, demonstrating its superior performance.

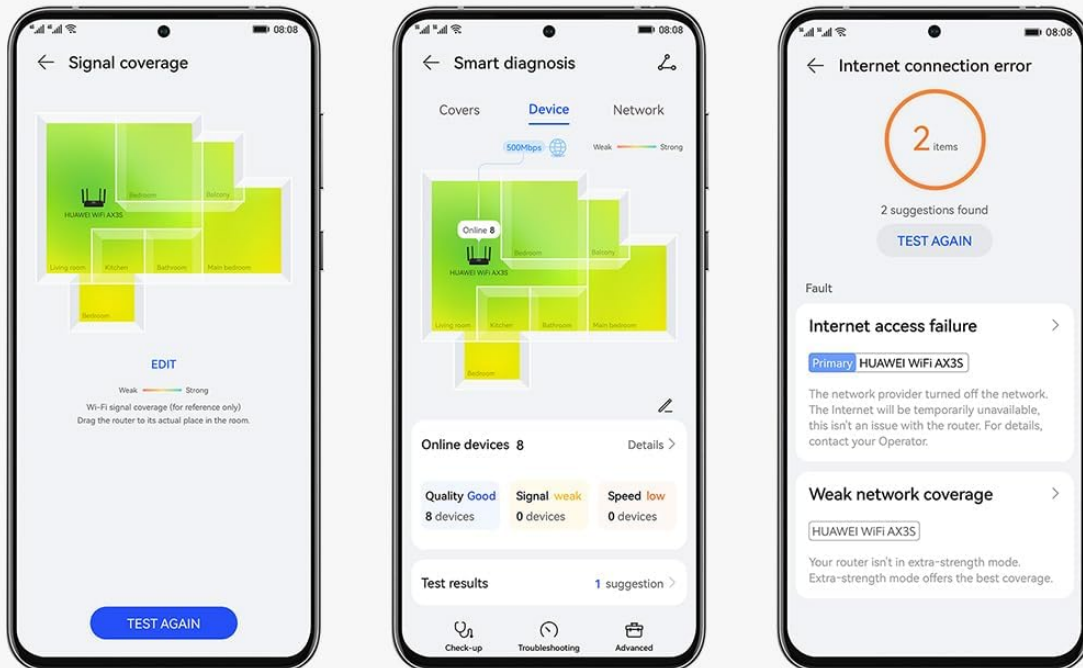
With 1024-QAM and 160 MHz bandwidth, the theoretical speed can reach up to 3000 Mbps (574 Mbps on 2.4 GHz and 2402 Mbps on 5 GHz). Connecting Wi-Fi 5 devices that support 160 MHz to the AX3S can increase their internet speed by 60% or more.

## 7. Advanced Features

### 7.1. Parental Control

Manage internet access for specific devices to ensure a safe online environment for your family. You can block inappropriate websites and limit access times directly from the HUAWEI AI Life app.

# Gerencie de Forma Inteligente o Wi-Fi de Sua Casa



**Figure 7.1:** An image depicting a family using a tablet, symbolizing the effective use of parental controls on the router to manage children's online activities.

## 7.2. Smart Wi-Fi Management and Diagnosis

The AX3S allows you to visualize your home's Wi-Fi coverage, quickly check network status, and resolve issues with suggested tips through the HUAWEI AI Life app.



**Figure 7.2:** Screenshots of the HUAWEI AI Life app interface showing signal coverage maps, smart diagnostics, and internet connection error reports, enabling intelligent home Wi-Fi management.

### **7.3. Automatic Gigabit WAN/LAN Adaptation**

The router features four Gigabit Ethernet ports, each supporting automatic WAN/LAN adaptation. This eliminates the need to distinguish between WAN and LAN ports, simplifying broadband installation.

# Controle Parental



**Figure 7.3:** A visual representation of the router's rear ports with blue lines indicating the automatic adaptation of Gigabit WAN/LAN functionality, simplifying cable connections.

## 7.4. Seamless Roaming and Optimal Network Connection

The router intelligently guides your devices to the optimal Wi-Fi band (2.4GHz or 5GHz) and access point for the best performance, ensuring a smooth and stable connection throughout your home.

# Conexão Automática à Rede Ideal



**Figure 7.4:** An overhead diagram of a house showing the router centrally located, with devices automatically connecting to the optimal 2.4GHz or 5GHz Wi-Fi bands for seamless coverage.

## 8. Maintenance

To ensure optimal performance and longevity of your router, follow these maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates through the HUAWEI AI Life app or the web management interface. Updates often include performance improvements and security patches.
- **Cleaning:** Gently wipe the router with a soft, dry cloth to remove dust. Do not use liquid cleaners or abrasive materials.
- **Optimal Placement:** Place the router in a central location in your home, away from obstructions and other electronic devices that may cause interference.
- **Restarting:** If you experience network issues, try restarting the router by unplugging the power adapter for 10 seconds and then plugging it back in.

## 9. Troubleshooting

If you encounter problems with your router, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
No Internet Access	WAN cable disconnected, incorrect settings, modem issue.	Check all cable connections. Restart the modem and router. Verify internet settings in the router's web interface or AI Life app.
Weak Wi-Fi Signal or Dead Zones	Router placement, interference, too many obstacles.	Relocate the router to a central, open area. Minimize obstacles. Check for sources of interference. Consider using Wi-Fi extenders if needed.
Cannot Connect to Wi-Fi	Incorrect Wi-Fi password, device too far, Wi-Fi disabled.	Ensure correct password. Move closer to the router. Check if Wi-Fi is enabled on your device and router.
Slow Internet Speed	Network congestion, outdated firmware, ISP issue.	Disconnect unused devices. Update router firmware. Contact your Internet Service Provider (ISP).
Router Indicator Light is Red	No internet connection.	Refer to 'No Internet Access' solution above.

## 9.1. Factory Reset

If problems persist, you may need to perform a factory reset. This will erase all custom settings and restore the router to its default configuration.

- With the router powered on, use a pin or paperclip to press and hold the **Reset** button on the back of the router for more than 2 seconds until the indicator light flashes.
- Release the button. The router will restart with factory default settings. You will need to reconfigure it as per Section 5.

## 10. Specifications

Feature	Description
Brand	HUAWEI
Model Number	PSDN-AX30
Series	AX3S
Wi-Fi Standard	802.11ax (Wi-Fi 6 Plus)
Theoretical Speed	Up to 3000 Mbps (574 Mbps 2.4GHz, 2402 Mbps 5GHz)
Ethernet Ports	4 x Gigabit WAN/LAN Adaptive Ports
Color	Black
Dimensions (Product)	26 x 5 x 21 cm

Feature	Description
Weight (Product)	324 g
Power Source	Electric Power
Certification	Anatel: 12569-23-03257

## 11. Warranty and Support

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Your HUAWEI WiFi AX3S router comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official HUAWEI support website. For technical support, troubleshooting assistance, or to download the latest drivers and firmware, please visit the official HUAWEI support website or contact their customer service. Keep your purchase receipt and product serial number handy when seeking support.

*This manual is subject to change without notice. Please refer to the latest version on the official HUAWEI website.*