

HUAWEI WS7100-25

HUAWEI WiFi AX3 (WS7100-25) Wireless Router User Manual

1. INTRODUCTION

This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your HUAWEI WiFi AX3 (WS7100-25) Wireless Router. Please read this manual carefully before using the device to ensure optimal performance and safe operation. The HUAWEI WiFi AX3 (WS7100-25) is designed to deliver high-speed Wi-Fi 6 Plus connectivity, enhancing your home or office network experience.

2. PACKAGE CONTENTS

The HUAWEI WiFi AX3 (WS7100-25) package typically includes the following items:

- HUAWEI WiFi AX3 (WS7100-25) Wireless Router
- Power Adapter
- Ethernet Cable (contents may vary by region)
- Quick Start Guide (this document serves as a comprehensive guide)

3. PRODUCT OVERVIEW

The HUAWEI WiFi AX3 (WS7100-25) is a high-performance wireless router featuring Wi-Fi 6 Plus technology, designed to provide faster speeds, wider coverage, and lower latency. It supports HarmonyOS Mesh for seamless whole-home Wi-Fi coverage.



Figure 3.1: Front View of the Router. This image displays the front of the HUAWEI WiFi AX3 router, showcasing its sleek white design and four extended external antennas, indicating its Wi-Fi 6 Plus capabilities.



Figure 3.2: Top View with H Button. This image highlights the top surface of the router, featuring the prominent 'H' button for one-touch pairing and mesh networking, along with the NFC detection area for easy device connection.



Figure 3.3: Rear View with Ports. This image provides a clear view of the router's rear panel, detailing the power input port, one WAN port for internet connection, and three LAN ports for wired device connectivity.

4. SETUP GUIDE

Follow these steps to set up your HUAWEI WiFi AX3 (WS7100-25) Wireless Router:

1. **Connect the Power Adapter:** Plug the power adapter into the router's power port and then into a power outlet. Wait for the indicator light to turn steady green or blue, indicating the router is powered on.
2. **Connect to the Internet:** Connect one end of the Ethernet cable to the WAN port (usually blue) on your router and the other end to your modem or optical network terminal (ONT).
3. **Connect Your Devices:**
 - **Wired Connection:** Connect your computer or other network devices to the LAN ports (usually yellow) on the router using Ethernet cables.
 - **Wireless Connection:** On your Wi-Fi enabled device (smartphone, laptop), search for the Wi-Fi network name (SSID) printed on the bottom of your router. Select it and enter the Wi-Fi password.
4. **Initial Configuration:**
 - **Web Interface:** Open a web browser on a connected device and enter 192.168.3.1 (or the address specified on the router's label) in the address bar. Follow the on-screen instructions to set up your Wi-Fi name, password, and administrator password.
 - **HUAWEI AI Life App:** Download the HUAWEI AI Life app from your device's app store. Open the app, connect to the router's default Wi-Fi, and follow the prompts to configure your network.

5. OPERATING INSTRUCTIONS

5.1 Connecting to Wi-Fi

After initial setup, your Wi-Fi network will be broadcast. Search for your chosen Wi-Fi name on your devices and enter the password to connect. The router supports both 2.4 GHz and 5 GHz bands, often combined into a single SSID for seamless switching.

5.2 Using the H Button for One-Touch Pairing

The 'H' button on top of the router serves multiple functions:

- **WPS Connection:** Press the 'H' button to enable WPS (Wi-Fi Protected Setup) for easy connection of WPS-compatible devices without entering a password.
- **Mesh Networking:** If you have another HUAWEI router that supports HarmonyOS Mesh, press the 'H' button on both routers to quickly establish a mesh network for extended Wi-Fi coverage.

5.3 Access Point Mode

The HUAWEI WiFi AX3 (WS7100-25) can operate in Access Point (AP) mode. This mode allows the router to extend an existing wired network wirelessly. To configure AP mode, access the router's web interface or the HUAWEI AI Life app and navigate to the operating mode settings. Select 'Access Point Mode' and follow the instructions to integrate it into your current network infrastructure.

5.4 Managing Network Settings

You can manage advanced network settings, such as guest Wi-Fi, parental controls, port forwarding, and

network security, through the router's web interface or the HUAWEI AI Life app. Refer to the in-app or web interface help sections for detailed guidance on specific features.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your router:

- **Firmware Updates:** Periodically check for and install firmware updates via the HUAWEI AI Life app or the web interface. Updates often include performance improvements, security patches, and new features.
- **Restarting the Router:** If you experience network issues, try restarting the router by unplugging the power adapter for 10 seconds and then plugging it back in.
- **Physical Cleaning:** Keep the router in a well-ventilated area and periodically clean dust from its vents using a soft, dry cloth. Avoid using liquid cleaners.
- **Security Practices:** Use strong, unique passwords for your Wi-Fi network and router administration. Change them periodically.

7. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **No Internet Connection:**
 - Check if the WAN port cable is securely connected to your modem/ONT.
 - Ensure your modem/ONT is working correctly and has an active internet connection.
 - Restart both your modem/ONT and the router.
- **Slow Wi-Fi Speed:**
 - Ensure your devices are within optimal range of the router.
 - Check for interference from other electronic devices.
 - Verify that your internet service provider (ISP) is delivering the expected speeds.
 - Update router firmware.
- **Wi-Fi Network Not Visible:**
 - Ensure the router is powered on and the Wi-Fi indicator light is active.
 - Check router settings via the web interface or app to ensure Wi-Fi broadcasting is enabled.
 - Perform a factory reset if necessary (see below).
- **Factory Reset:** To restore the router to its factory default settings, locate the 'Reset' button (usually a small pinhole) on the router. With the router powered on, use a pin or paperclip to press and hold the 'Reset' button for approximately 5-10 seconds until the indicator light flashes. Release the button, and the router will restart with default settings. **Warning:** This will erase all your custom configurations.

8. SPECIFICATIONS

Key technical specifications for the HUAWEI WiFi AX3 (WS7100-25) Wireless Router:

Feature	Specification
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Brand	HUAWEI
Model Name	WS7100-25
Wireless Type	802.11ax (Wi-Fi 6 Plus)
Operating System	HarmonyOS Mesh
Connectivity Technology	Ethernet, Wi-Fi
Frequency Band Class	Dual-Band
Special Features	Access Point Mode
Antenna Type	Internal
Item Weight	730 g (0.73 Kilograms)
Package Dimensions	31 x 21 x 6 cm

9. WARRANTY AND SUPPORT

Your HUAWEI WiFi AX3 (WS7100-25) Wireless Router comes with a standard manufacturer's warranty. For detailed warranty terms, technical support, or service inquiries, please visit the official HUAWEI support website or contact your local HUAWEI customer service center. Keep your purchase receipt for warranty claims. You can find more information and support resources on the [HUAWEI Support Website](#).