



HUAWEI WS7100 WiFi AX3 Smart WiFi Router User Guide

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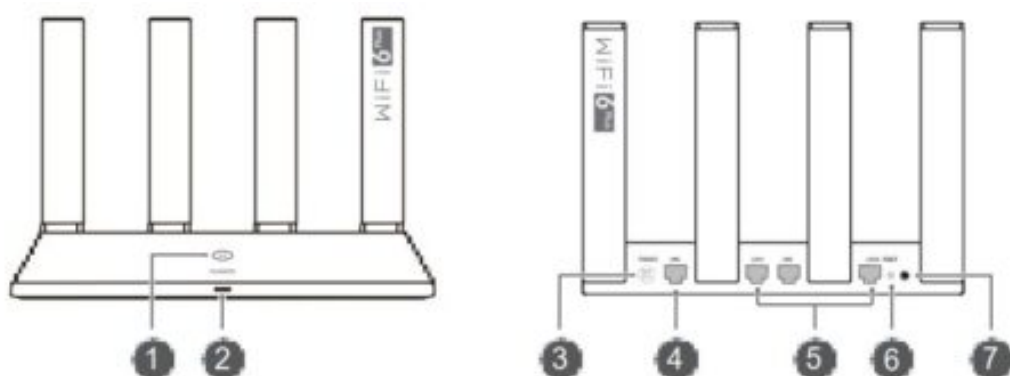
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HUAWEI WS7100 WiFi AX3 Smart WiFi Router User Guide



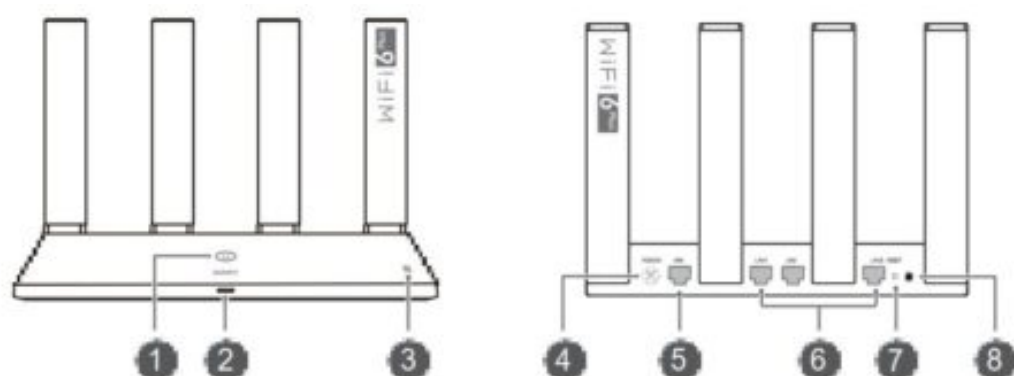
Getting Started

Getting Started (WS7100)



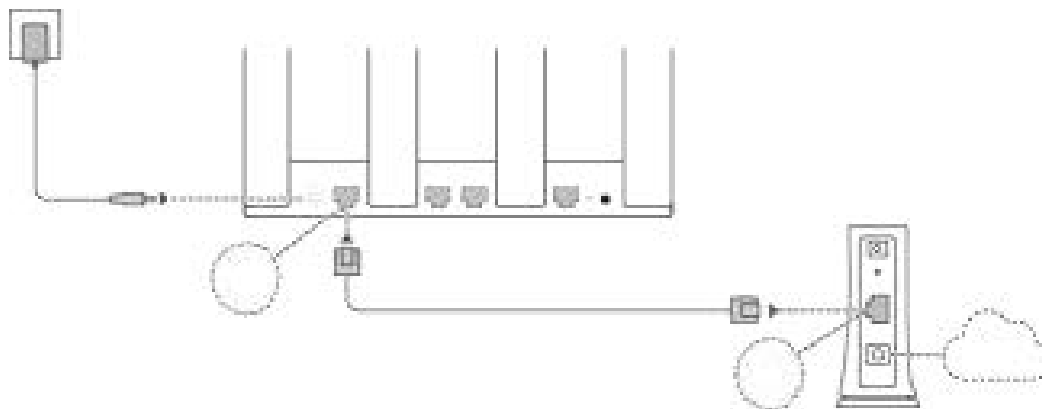
- | | | |
|---|--|--------------|
| 1 H button | 2 Indicator | 3 Power port |
| 4 WAN port: Connect to optical modems, broadband modems, etc. | | |
| 5 LAN port: Connect to a wired Internet device, such as a computer. | | |
| 6 RESET button | 7 Power button: Press once to power on the device, or press and hold for at least three seconds to power it off. | |

Getting Started (WS7200)



- | | | | |
|---|--|----------------------|--------------|
| 1 H button | 2 Indicator | 3 NFC detection area | 4 Power port |
| 5 WAN port: Connect to optical modems, broadband modems, etc. | | | |
| 6 LAN port: Connect to a wired Internet device, such as a computer. | | | |
| 7 RESET button | 8 Power button: Press once to power on the device, or press and hold for at least three seconds to power it off. | | |

Step 1: Connecting the cables



- Erect the all antennas upright to ensure optimized Wi-Fi® signal.
- If the indicator stays red, this indicates that the router is not connected to the Internet.
Please refer to “Step 2: Configuring the network settings”.

Step 2: Configuring the network settings

- 1 Connect your mobile phone or computer to the router's Wi-Fi network** (no password required).
Check for the Wi-Fi name on the bottom of the new router.



- 2 Open the browser**, you will be automatically redirected.
(If the page is not displayed automatically, enter 192.168.3.1).



- 3** Enter your broadband account and password.
If your Internet connection does not require an account and password, please skip to the next step.

Internet access wizard

Broadband account

Broadband password

VLAN ☐

Next

- If you have forgotten your broadband account and password, contact your broadband carrier to obtain a broadband account and password.
- If you need to configure VLAN on your network, contact your broadband carrier to confirm the VLAN parameters, and enable the VLAN switch on the screen.

- 4** Set a new Wi-Fi name, Wi-Fi password, and admin password for the new router.

Internet access wizard

Prioritize 5 GHz ☐

Wi-Fi network name

Wi-Fi network password

Admin password

Next



Internet access wizard

Configuration complete.

Enable Prioritize 5 GHz: Priority usage of 5 GHz Wi-Fi band over 2.4 GHz band when signal strength is equal to increase connection speeds.

Manage the router with our mobile app

Scan the QR code to download and install the HUAWEI smart device management app on your mobile phone or tablet. You can use the app to manage your router.



Indicator

Steady green	Connected to the network
Steady red	Not connected to the network <ul style="list-style-type: none">• Loose cable or connect error. Check the cable.• Broadband network error. Contact your broadband carrier.
Flashing	The router has detected a pairable device. <p>When other HUAWEI routers (with H or Hi button) are detected, the indicator on the HUAWEI WiFi AX3 will flash. When this happens, press the HUAWEI WiFi AX3's H button. The indicator should flash quickly, indicating that the pairable device is connecting to the HUAWEI WiFi AX3. The connection process is complete when the indicator stops flashing.</p> <ul style="list-style-type: none">• If you touched the H button by accident, wait for 2 minutes till the indicator returns to normal.• The H button also features WPS functionality.

Frequently Asked Questions (FAQ)

Q1: What can I do if I encounter any of the following issues when configuring the router?

- If your device did not detect the router's Wi-Fi: Ensure that the router is powered on. Wait for a moment (till the router is started) and try to search again on your device.
- If you cannot visit the router's configuration page on your device: Ensure that your device is connected to the router's Wi-Fi network, and then enter 192.168.3.1 in the browser to visit this page on your device.
- If the page displays "Cable disconnected": Ensure that the router's WAN port is connected to the modem's LAN port, and the modem has Internet access. Check that all joints are securely connected and in good contact, and the network cables are in good condition.

If the issue persists, restore the router to the factory settings, and follow the guide to reconnect the cables and configure the router.

Q2: How do I restore the router to its factory settings?

Connect the router to the power supply and wait until the router completes the startup process. Use a needle or pin to press the RESET button on the router for more than two seconds until the indicator light goes out. Wait for the router to complete the restart process. When the indicator turns red, this indicates that the router has been restored to its factory settings. If the router has been factory reset, you need to configure it again.

Q3: How do I connect an add-on HUAWEI router (with H/Hi button) to my HUAWEI WiFi AX3's network?

You can connect the router in either of the following ways:

- Wired connection. Connect the WAN port of the add-on router (new or restored to factory settings) to the LAN port of the configured HUAWEI WiFi AX3 using an Ethernet cable.
- Wireless connection (using the H button). Step 1: Place the add-on router (new or restored to factory settings) within one meter of the configured HUAWEI WiFi AX3 and connect it to the power supply. Step 2: When the indicator on the HUAWEI WiFi AX3 starts to flash, press the H button on it. Wait until the indicator on the add-on router shows it is connected to the network.

The following HUAWEI device models are supported: WS5800, WS7100 and WS7200. For details about more device models, see the device manual.

Q4: How do I connect a Wi-Fi device to my router using WPS?

When your router is powered on, press its H button, and then press the WPS button on the Wi-Fi device (such as a phone) within two minutes, to initiate standard WPS negotiation and connect the Wi-Fi device to the router's Wi-Fi network.

Q5: What should I do if I forget my login password for the app or the router's web-based management page?

Try using the router's Wi-Fi password to login. If the issue persists, restore the router to the factory settings.

Q6: What should I do if some of my devices cannot find or connect to the Wi-Fi?

This router supports Wi-Fi 6, which is the new generation Wi-Fi technology that can improve network speeds for Wi-Fi 6 devices. However, some earlier devices, such as laptops using Intel network adapters, may not be able to find or connect to the Wi-Fi due to compatibility issues. In this case, try to update the software version of the devices by referring to the device instruction manual, or perform the following operations:

Update the router and the HUAWEI smart device management app to the latest version. Then open the app, touch the router icon, touch Show more, search for and enable Backup Wi-Fi 5, and connect your device to the Wi-Fi 5 network.

Q7: How do I use the NFC function of the router to quickly connect to the Wi-Fi network?

Unlock your phone, enable NFC on it, and touch the NFC area on the back against the NFC area on the router, then follow the onscreen instructions to connect the phone to the Wi-Fi network. This feature is available on Android devices that support NFC, but some devices with non-standard NFC may be unable to connect. iOS devices do not support connecting through NFC.

Q8: How do I connect my router to the HUAWEI CPE to expand the Wi-Fi network?

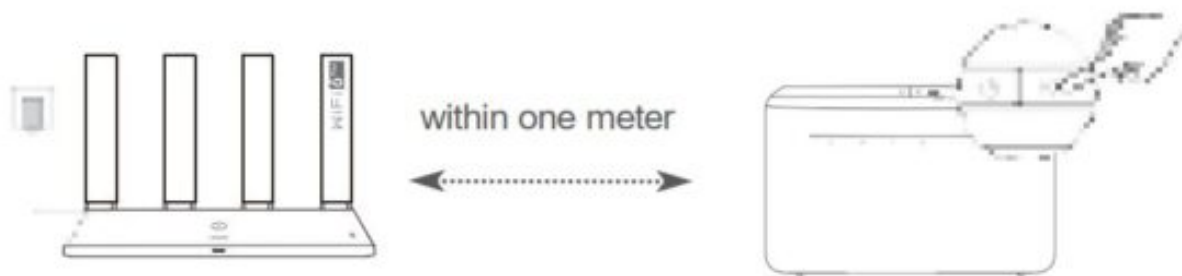
You can connect your router in either of the following ways:

- Wired connection

Place your router in a room with weak or no signal strength, then connect the WAN port of your router to the LAN port of the HUAWEI CPE using an Ethernet cable.

- Wireless connection (using the H button)

Step 1: Place the router within one meter of the HUAWEI CPE and connect the power supply.



Step 2: When the indicator on the HUAWEI CPE starts to flash, press the H button on it. Wait until the indicator on the router shows that the router is connected to the network.

Step 3: Place the router in a room with weak signal strength and connect the power supply.

- The figure is for reference only.
- Ensure that the HUAWEI CPE is connected to the Internet, and the router is new or restored to factory settings.
- Ensure that the HUAWEI CPE supports the HUAWEI HiLink function and CoAP protocol. Please consult the distributor for details.
- Ensure that the distance between your router and the HUAWEI CPE is less than 10 meters and there are no more than two walls in between.

Safety information

Operation and safety

- Do not use your device if using the device is prohibited. Do not use the device if doing so causes danger or interference with other electronic devices.
- Pacemaker manufacturers recommend that a minimum distance of 15 cm be maintained between a device and a pacemaker to prevent potential interference with the pacemaker. If using a pacemaker, hold the device on the side opposite the pacemaker and do not carry the device in your front pocket.
- Avoid dusty, damp, or dirty environments. Avoid magnetic fields. Using the device in these environments may result in circuit malfunctions.
- Ideal operating temperatures are 0 °C to 40 °C. Ideal storage temperatures are -40 °C to +70 °C. Extreme heat or cold may damage your device or accessories.
- Keep the device and accessories in a well-ventilated and cool area away from direct sunlight. Do not enclose or cover your device with towels or other objects. Do not place the device in a container with poor heat dissipation, such as a box or bag.
- The device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
- Using an unapproved or incompatible power adapter, charger, or battery may damage your device, shorten its lifespan, or cause a fire, explosion, or other hazards.
- For pluggable devices, the socket-outlet shall be installed near the devices and shall be easily accessible.
- Unplug the power adapter from electrical outlets and the device when not in use.
- Do not touch the device or the charger with wet hands. Doing so may lead to short circuits, malfunctions, or

electric shocks.

Disposal and recycling information



The symbol on the product, battery, literature, or packaging means that the products and batteries should be taken to separate waste collection points designated by local authorities at the end of the lifespan. This will ensure that EEE waste is recycled and treated in a manner that conserves valuable materials and protects human health and the environment.

For more information, please contact your local authorities, retailer, or household waste disposal service or visit the website <https://consumer.huawei.com/en/>.

Reduction of hazardous substances

This device and its electrical accessories comply with local applicable rules on the restriction of the use of certain hazardous substances in electrical and electronic equipment, such as EU REACH regulation, RoHS and Batteries (where included) directive. For declarations of conformity about REACH and RoHS, please visit the website

<https://consumer.huawei.com/certification>.

EU regulatory conformance

Statement

Hereby, Huawei Device Co., Ltd. declares that this device WS7100/WS7200 is in compliance with the following Directive: RED 2014/53/EU, RoHS 2011/65/EU, ErP 2009/125/EC.

The full text of the EU declaration of conformity, the detailed ErP information and most recent information about accessories & software are available at the following internet address:

<https://consumer.huawei.com/certification>.

Restrictions in the 5 GHz band:

The 5150 to 5350 MHz frequency range is restricted to indoor use only in: AT, BE, BG, CH, CY, CZ, DE, DK, EE, EL, ES, FI, FR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, UK.

Frequency Bands and Power

The frequency bands and transmitting power (radiated and/or conducted) nominal limits applicable to this radio equipment are as follows: Wi-Fi 2.4G: 20 dBm, Wi-Fi 5G: 5150-5350 MHz: 23 dBm, 5470-5725 MHz: 30dBm.

Legal Notice

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Version Update

In order to improve the security of the product and provide you with a better user experience, we will push version update information to you on a regular basis when an important update is released.

Privacy Policy

To better understand how we use and protect your personal information, please see the privacy policy at <http://consumer.huawei.com/privacy-policy>.

End User License Agreement


Please read and agree to the End User License Agreement (HUAWEI EULA) on the product's management page before using the product.

For More Help













Please visit <https://consumer.huawei.com/en/support/hotline> for recently updated hotline and email address in your country or region.

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References

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