AX1500 Wi-Fi6 Wireless Router

User's Manual

2E202A60911-01

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Foreword

General

This manual introduces the installation, functions and operations of the AX1500 Wifi6 Wireless Router (hereinafter referred to as "the Device"). Read carefully before using the device, and keep the manual safe for future reference.

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
TIPS	Provides methods to help you solve a problem or save time.
NOTE	Provides additional information as a supplement to the text.

About the Manual

- The manual is for reference only. Slight differences might be found between the manual and the product.
- We are not liable for losses incurred due to operating the product in ways that are not in compliance with the manual.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. For detailed information, see the paper user's manual, use our CD-ROM, scan the QR code or visit our official website. The manual is for reference only. Slight differences might be found between the electronic version and the paper version.
- All designs and software are subject to change without prior written notice. Product updates might result in some differences appearing between the actual product and the manual. Please contact customer service for the latest program and supplementary documentation.
- There might be errors in the print or deviations in the description of the functions, operations and technical data. If there is any doubt or dispute, we reserve the right of final explanation.
- Upgrade the reader software or try other mainstream reader software if the manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and company names in the manual are properties of their respective owners.
- Please visit our website, contact the supplier or customer service if any problems occur while using the device.
- If there is any uncertainty or controversy, we reserve the right of final explanation.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Installation Requirements

WARNING

- Do not connect the power adapter to the device while the adapter is powered on.
- Strictly comply with the local electrical safety code and standards. Make sure the ambient voltage is stable and meets the power supply requirements of the device.
- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Do not leave outdoor models of the device hanging in the air or facing outwards when installing onto poles that are on top of buildings.

⚠

- Do not place the device in a place exposed to sunlight or near heat sources.
- Put the device in a well-ventilated place, and do not block its ventilation.
- Use an adapter or cabinet power supply provided by the manufacturer.
- Do not connect the device to two or more kinds of power supplies, to avoid damage to the device.
- The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- The device must be grounded by a copper wire with a cross-sectional area of 2.5 mm2 and a ground resistance no more than 4 Ω.
- Voltage stabilizer and lightning surge protector are optional depending on the actual power supply on site and the ambient environment.
- To ensure heat dissipation, the gap between the device and the surrounding area should not be less than 10 cm on the sides and 10 cm on top of the device.
- When installing the device, make sure that the power plug and appliance coupler can be easily reached to cut off power.
- Outdoor models of the device must be securely installed on poles or brackets that are perpendicular to the ground. Make sure the entire surface of the device and all its related components are covered with anti-oxidation coating (such as rust preventive paint), and that the installation site and height of the device meet the requirements of the plan.
- Install outdoor models of the device on top of buildings where there is little to no direct sunlight to avoid the device becoming overheated. Make sure to take all necessary measures to protect the device.
- Face the side with the Ethernet port downwards, and arrange the wires in a downward direction when installing outdoor models of the device.

Operation Requirements

WARNING

- Do not disassemble the device without professional instruction.
- Operate the device within the rated range of power input and output.
- Make sure that the power supply is correct before use.
- Make sure the device is powered off before disassembling wires to avoid personal injury.
- Do not unplug the power cord on the side of the device while the adapter is powered on.

1 Operation Guide

1.1 Preparations

Step 1 Check if the package is missing or damaged, and contact after-sale personnel if there is.

Packing list might differ depending on actual products.

Table 1-1 Packing list

No.	Name	Quantity
1	Router	1
2	Power adapter	1
3	User's manual	1
4	Network cable	1

Step 2 Connect the broadband access line to the WAN port of the device and plug the DC power plug into the DC interface of the device. After powering on, the indicator light is solid red for 10 seconds and then flashes green, blue and red alternately. The system flashes green after it starts normally.

1.2 Configuring Router

Step 1 Search for wifi signal with phones or laptops, and then connect the wifi. The name is "Dahua_WIFI_XXXXXX" or "Dahua_WIFI_XXXXXX_5G" (XXXXXX is the last six digits of the MAC address of the device), and the defaulted wifi has no password.

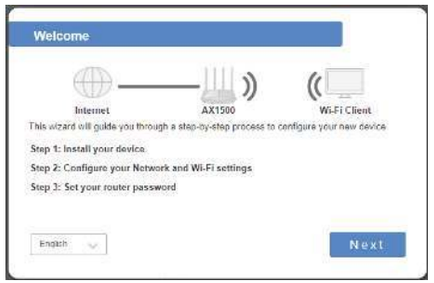
Step 2 Open the browser, input "192.168.1.110" and press the Enter key to enter the device management webpage. Input the **Admin Password**, and then click **Log In**.

Figure 1-1 Log in



Step 3 When logging in to the webpage for the first time, the device will pop up the setup wizard. You can switch the language according to the page prompts, and then click **Next** after the configuration is completed.

Figure 1-2 Setup wizard

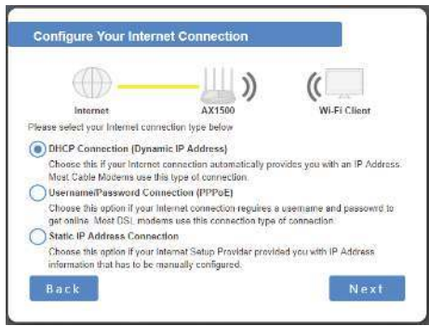


Step 4 Enter the **Configure Your Internet Connection** webpage and change the connection type as required. After configuration, click **Next**.Internet connection type includes **DHCP Connection (Dynamic IP Address)**, **Username/Password Connection (PPPoE)**, and **Static IP Address Connection**.

- If you do not need any settings to access the Internet, select **DHCP Connection**.
- If you need to enter the account and password to access the Internet, select **PPPoE**, click **Next**, and input broadband account and broadband password.
- If you cannot acquire IP address automatically, consult the network administrator or broadband operator, select **Static IP Address Connection**, and then click **Next**, and enter the IP address, subnet mask, gateway address, preferred DNS address, and alternate DNS address as prompted on the page.

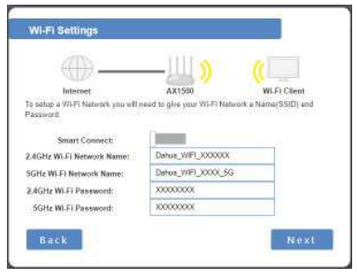
This manual uses **DHCP Connection** as a example.

Figure 1-3 Internet connection



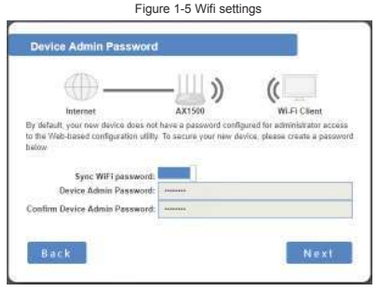
Step 5 Enter the **Wi-Fi Settings** webpage, configure wifi network name and password. When **Smart Connect** is disabled, the network names of 2.4 GHz and 5 GHz need to be different. After configuration, click **Next**.

Figure 1-4 Wifi settings



Step 6 Enter the **Device Admin Password** webpage, configure the admin password according to the prompts. When **Sync WiFi password** is enabled, the **Device Admin Password** is automatically synchronized to be consistent with the Wi-Fi password. When **Sync WiFi password** is disabled, you need to configure the password. After configuration, click **Next**.

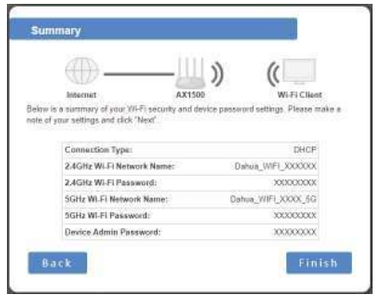
Figure 1-5 Wifi settings





Step 7 Enter the **Summary** webpage, check **Connection Type**, **Wi-Fi Network Name, Wi-Fi Password**, and then click **Finish**.

Figure 1-6 Summary



Step 8 Search for new Wi-Fi name and input password. After the connection, input "192.168.1.110" to access the device management page.

Figure 1-7 Log in



1.3 Indicator Description

Table 1-2 Indicator and button

Indicator and port	Description
Indicator	● During Startup: ◇ Power indicator: Flashes green. ◇ 5G indicator: Off and solid green. ◇ 2.4G indicator: Off. ◇ Internet indicator: Off. ◇ LAN indicaotr: Off. ◇ WPS indicaotr: Off. ● After startup: ◇ Power indicator: Flashes green. ◇ 5G indicator: Solid green when 5G is enabled, and off when disabled. ◇ 2.4G indicator: Solid green when 2.4G is enabled, and off when disabled. ◇ Internet indicator: Solid green when network is connected, flashes when data is transmitted, and off when disconnected. ◇ LAN indicaotr: Solid green when at least one device is LAN port of the router, and off when no device is LAN port of the router. ◇ WPS indicaotr: Stops flashing when WPS is enabled and successfully connected to end devices. Stops flashing in 120 seconds when WPS is not connected to end devices. Off when the WPS is disabled.
Reset button	Restore to the default settings. Press and hold for 10 seconds to restore and restart automatically.
WPS button	Press for 1 second to enable the WPS function.