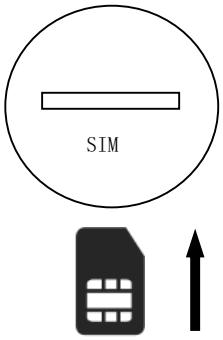
Fast Installation Guide

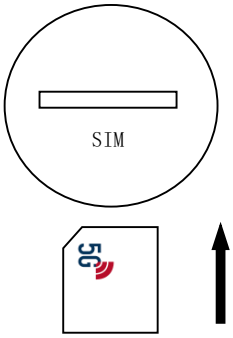
Installation Guide

Prior to energizing the device, insert the SIM card (or IoT card) into the SIM card slot as illustrated in the diagram. Subsequently, power on the device to initiate the startup process. Please be aware that the SIM card slot of this device exclusively accommodates standard-sized SIM cards. Inserting non-standard cards may result in them becoming lodged within the slot, rendering them non-removable. We strongly discourage hot-swapping SIM cards in this device

SIM Card Installation

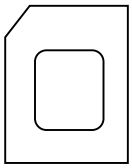


（Indoor）

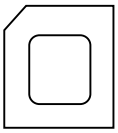


（Outdoor）

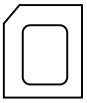
Common SIM Card Size Diagram



Standard SIM card
Size：15*25mm



Micro-SIM
Size：12*15mm



Nano-SIM
Size：9*12mm

Hot-swapping is prohibited

Port and Button

DC Power Interface
The Power Adapter for Connecting to the Router

Nano-SIM SIM Slot SIM Card Installation

Reset Used for Router Reset

WAN Network Interface
Establishing Router Connectivity to the Wide Area Network (WAN)
（ Optical Network Terminal (ONT)/ADSL Modem/
Wide Area Network Cable）

LAN Local Area Network Interface
Wired Devices Connected to the Router

MAIN 4G Main Antenna Interface

DIV 4G Diversity Antenna Interface

Indicator Light Guide

PWR The device has been powered on
（Steady On）

SYS System Indicator （Steady On）

4G Network Signal Indicator（Blinking）

WIFI 2.4G/5.8G Wireless Activation（Steady On）

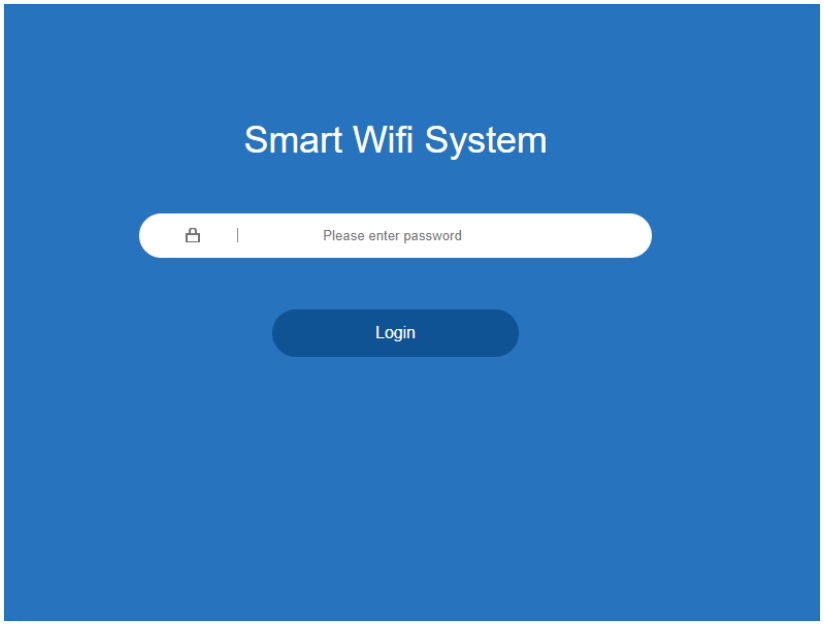
LAN（1-4） Ethernet Data Connectivity（Blinking）

Accessing the Management Page

This device has a default SSID of "HAO-Link-XXXX" (where XXXX represents the last 4 digits of the device's MAC address), and the wireless password is "123456789

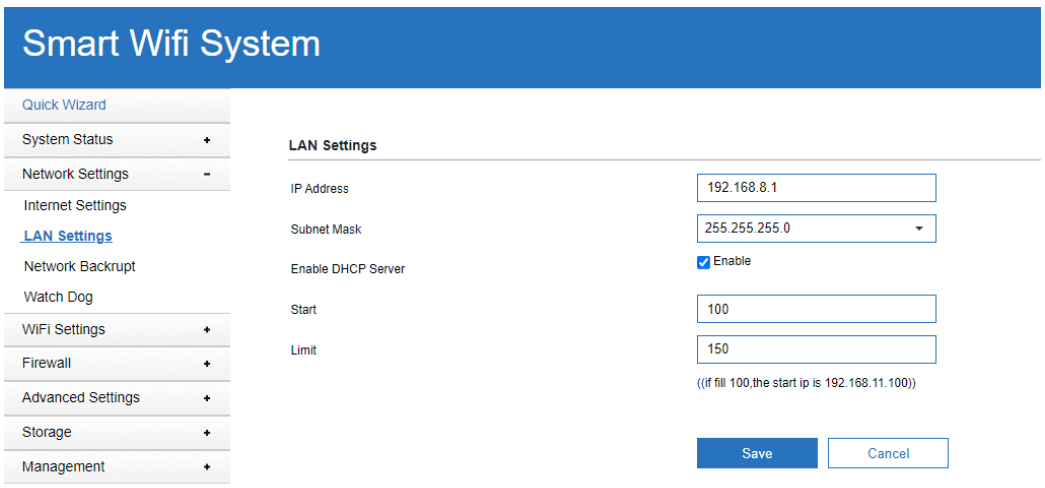
① To access via the management IP login

The default management address for the device is '192.168.8.1,' with the password set as 'admin.' To access the management interface, please open a web browser, enter the default IP address 'http://192.168.8.1,' and provide the default password for login.



Configure the local IP address

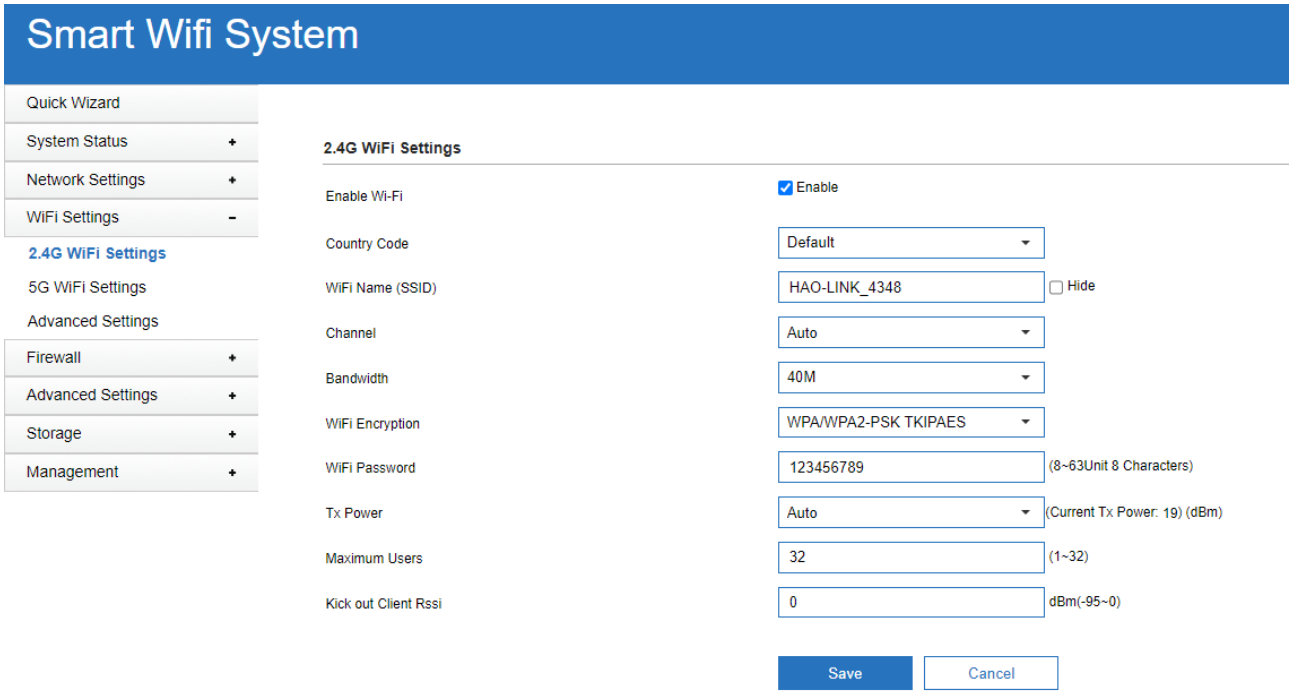
After logging in using the default IP, proceed to 'Network Settings' > 'LAN Settings.' Customize the login IP address for this device based on your specific requirements, and then click the 'Save' button to apply the configuration



Configuring the Wireless Password

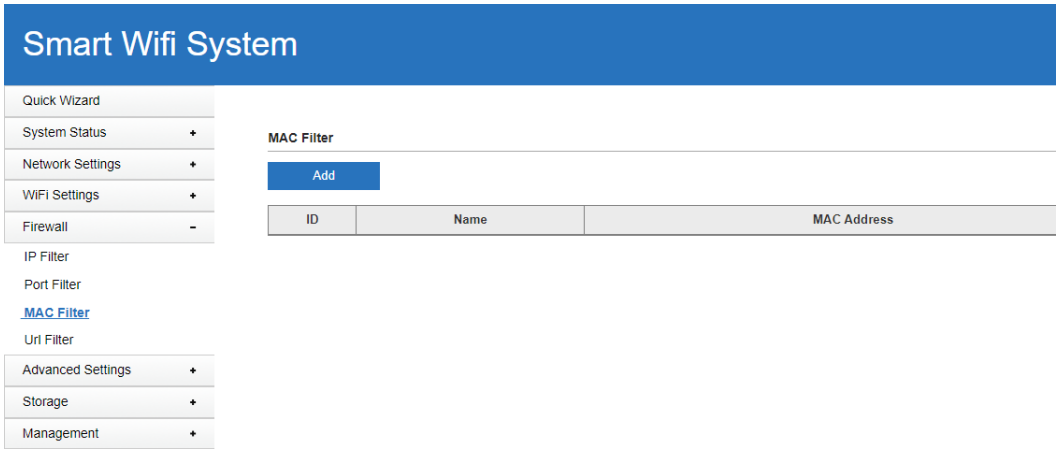
① Configuration and Modification

Due to security considerations, it is strongly advised to modify the default wireless password, which is currently too simple. To proceed, please navigate to the homepage and select 'Wireless Settings' > '2.4GHz Wireless Settings.' Here, you can configure the wireless network name and set a more robust wireless password (we recommend a minimum of 8 characters). Keep the remaining default parameters unchanged and click 'Save' to confirm the changes



② Firewall Setting

For the purpose of achieving a higher level of network security, navigate to the 'Firewall' section within the router settings. Here, you can configure settings for 'MAC Filtering,' 'IP Filtering,' and 'URL Filtering' by using the 'Add' function



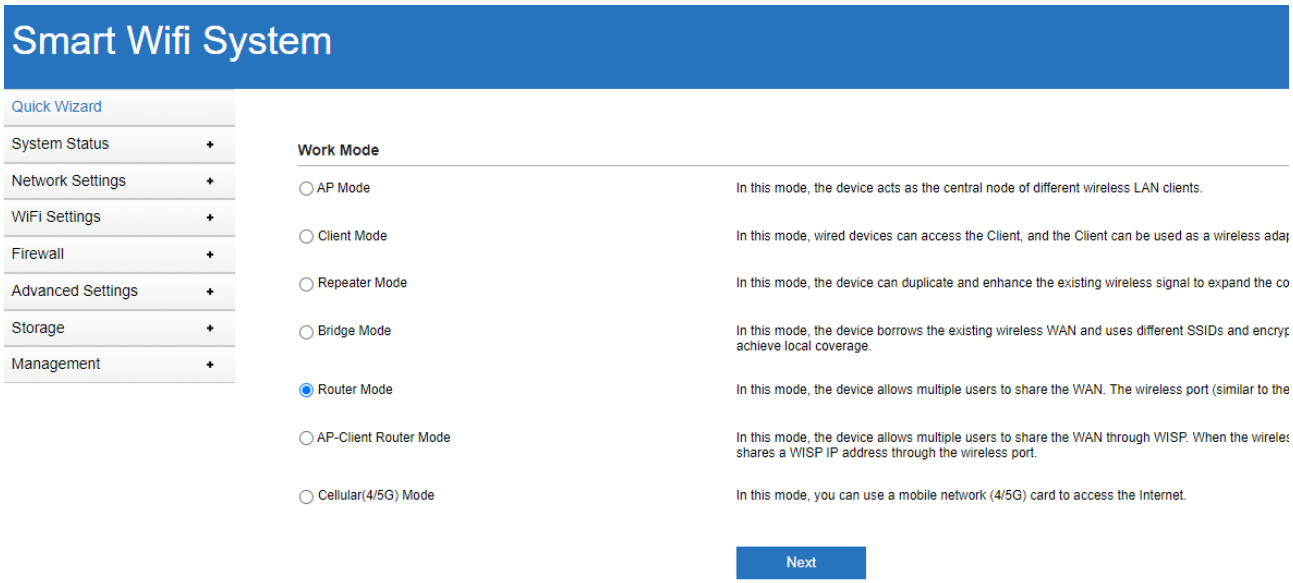
Setting Up Internet Access Mode

① WAN Setting

To access the system, select 'Quick Setup,' and then choose 'Router Mode' to configure your Internet connectivity method. You will find several commonly used options, including 'Automatic Configuration/PPPoE Dial-up/Fixed IP.' Tailor the Internet access method to your specific needs.

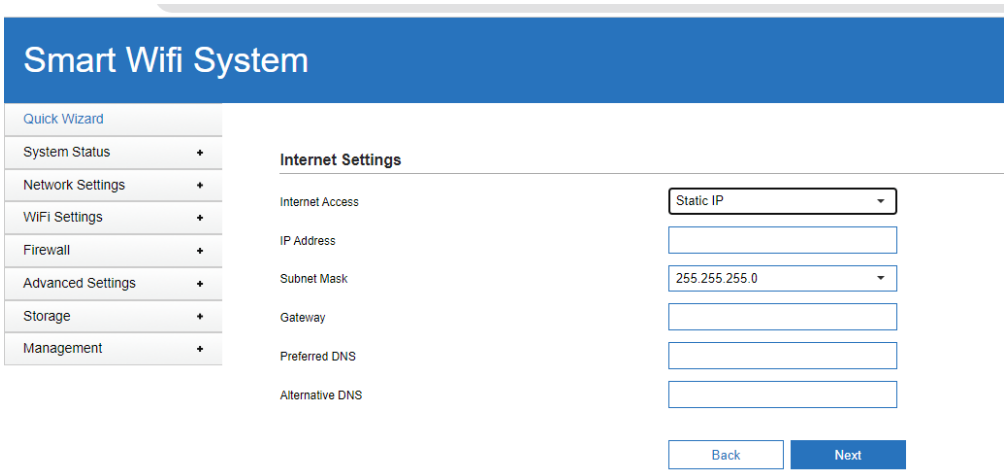
● Automatic Internet Retrieval (Default):

Select the 'DHCP Client' mode, which allows the device to automatically acquire an IP address from the Internet Service Provider (ISP). This connection method is suitable when the ISP does not provide specific IP network parameters. It offers a hassle-free internet connection without the need for additional configuration.



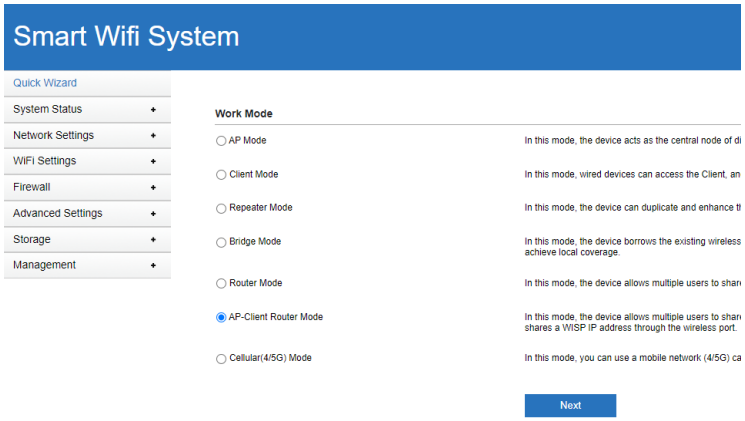
● Static IP Internet Connection:

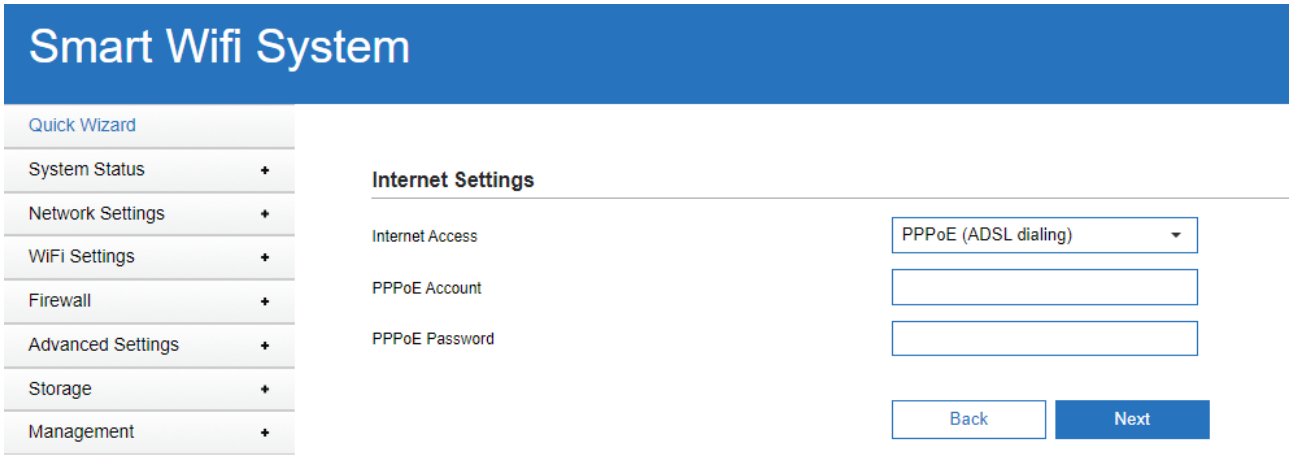
Select the 'Static IP' option, then enter the IP address, subnet mask, and gateway provided by your Internet Service Provider (ISP). Once saved, the configuration will take effect



● PPPoE Dial-up Internet Connection:

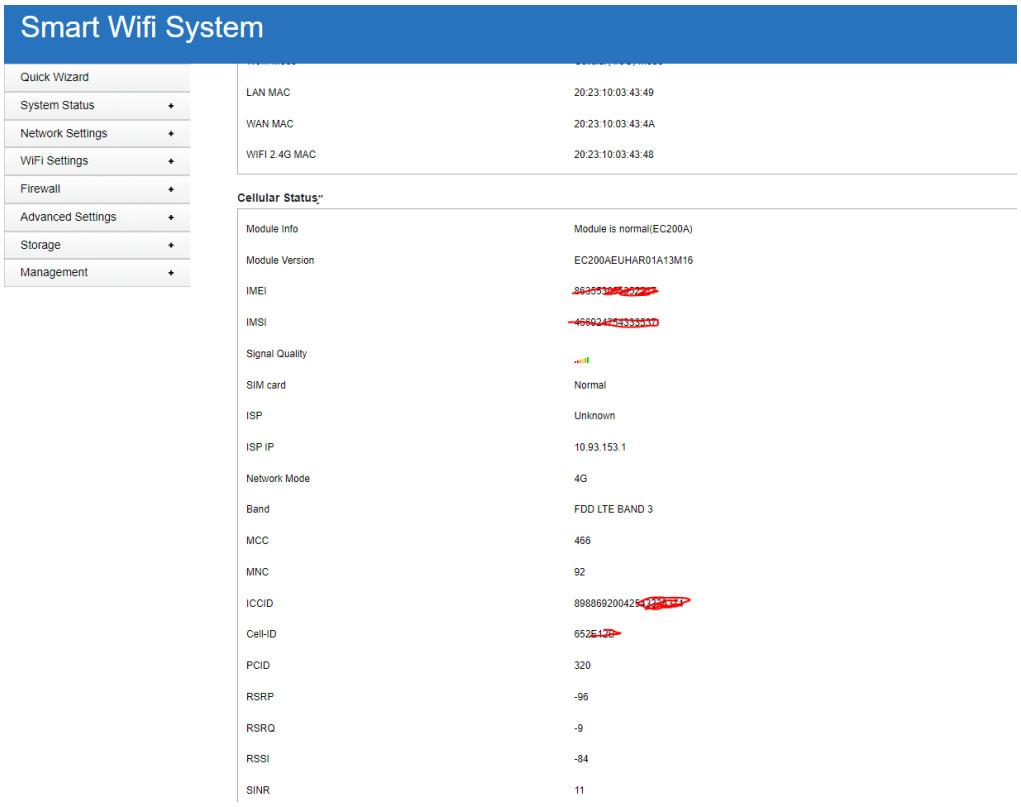
Choose 'PPPoE Dial-up' and input the username and password provided by your Internet Service Provider (ISP). After saving, the device will automatically initiate the dial-up connection. Upon successful dial-up, it will obtain the assigned IP address for internet access.





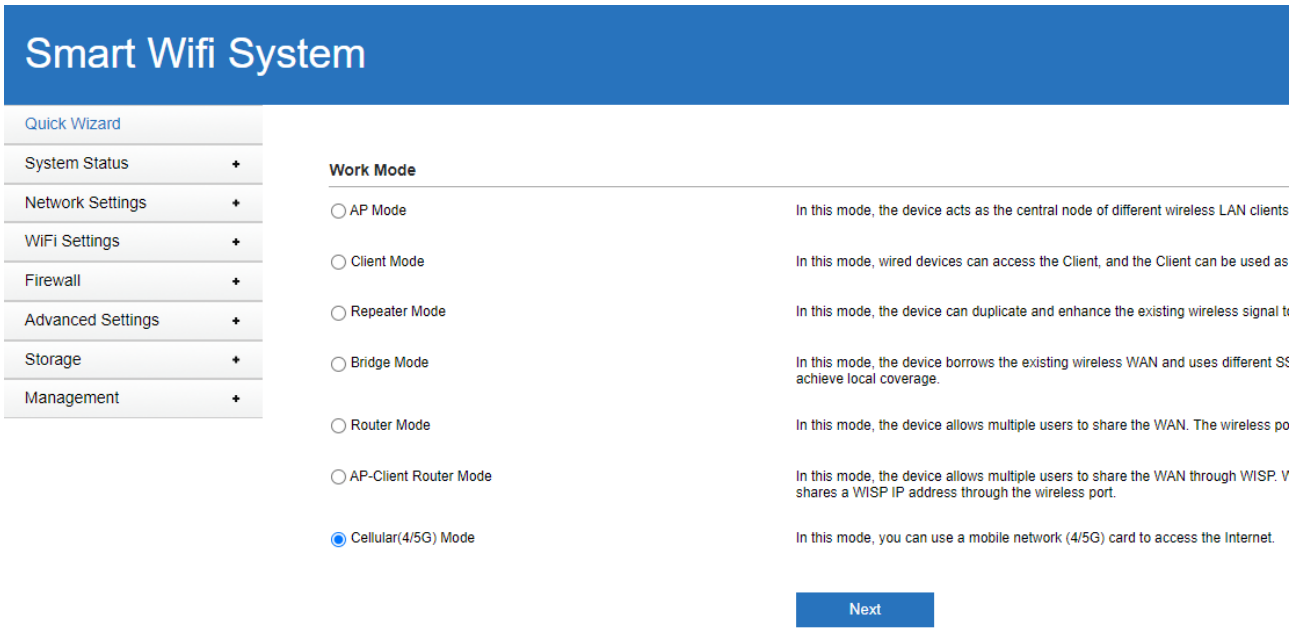
② Setting up Internet Connectivity via 3G/4G

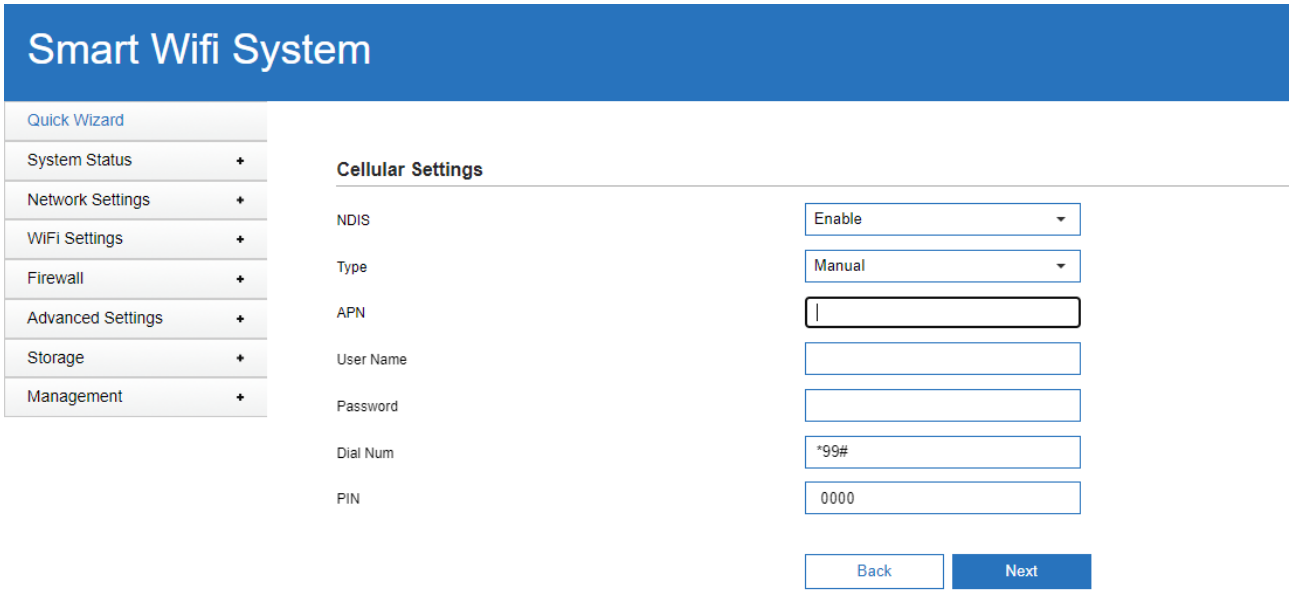
After inserting the SIM card, the router system is configured to initiate the dial-up process automatically by default, without the need for manual setup. You can monitor the dial-up status, including successful connection details, on the 'System Status' menu displayed at the bottom of the page.



APN Configuration

If your SIM card requires APN configuration, kindly contact your service provider to obtain the necessary APN details. Once you have the required information, follow these steps: Navigate to 'Network Settings' > 'Wired Network Settings.' In the 'Type' field, select 'Manual,' and proceed to input the APN parameters as provided (Note: For specialized cards such as private network cards, you may only need to configure the APN field, leaving other default settings unchanged). After configuration, perform a power cycle on the device to activate the changes.





Guidance：

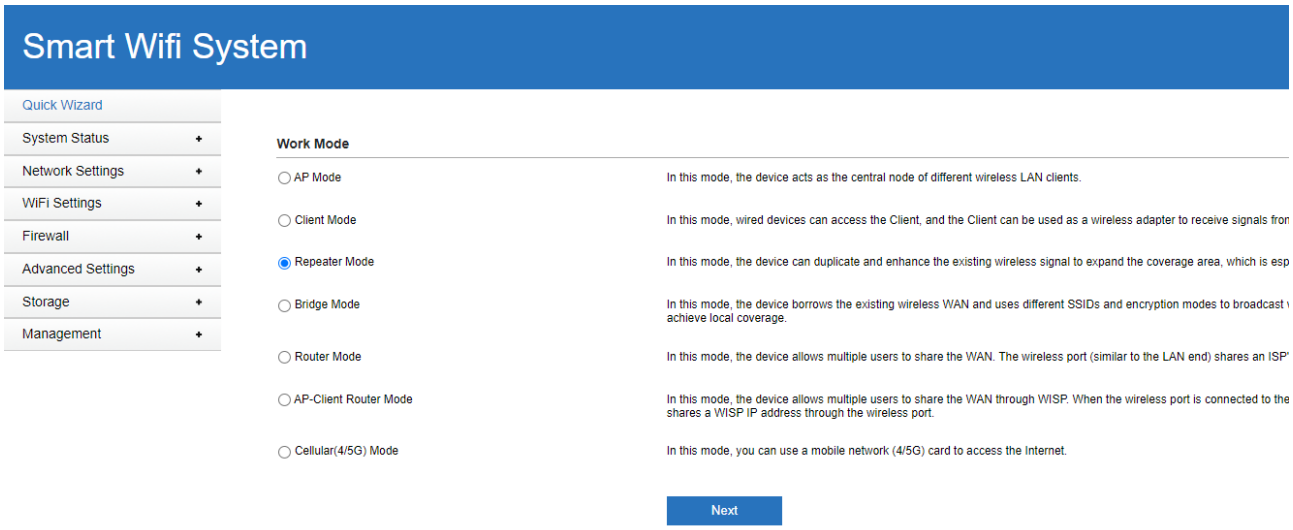
●This device offers compatibility with both 'WAN' port and '3G/4G' dual-link modes.

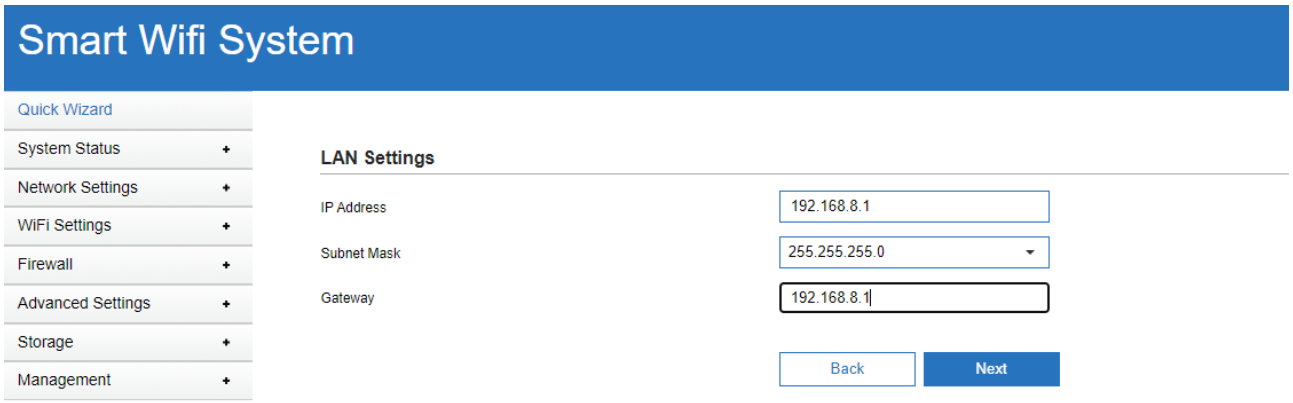
●As the default configuration, when there is no Ethernet cable connected to the WAN port or if WAN connectivity is interrupted, all internet data traffic is routed through the 3G/4G network. However, upon detection of a WAN port connection or restoration of WAN internet access, the 3G/4G data transmission is paused, and priority is given to WAN connectivity.

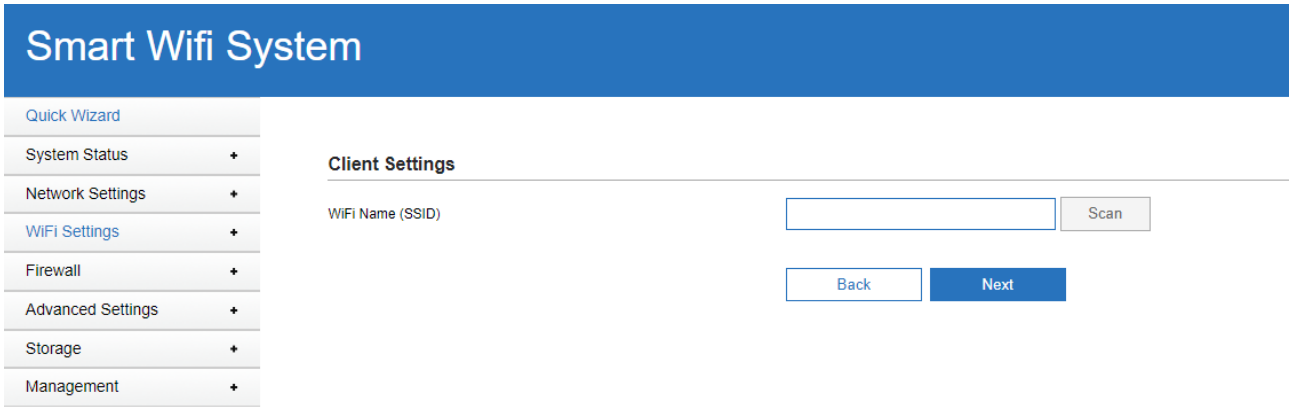
Wireless Repeater Mode

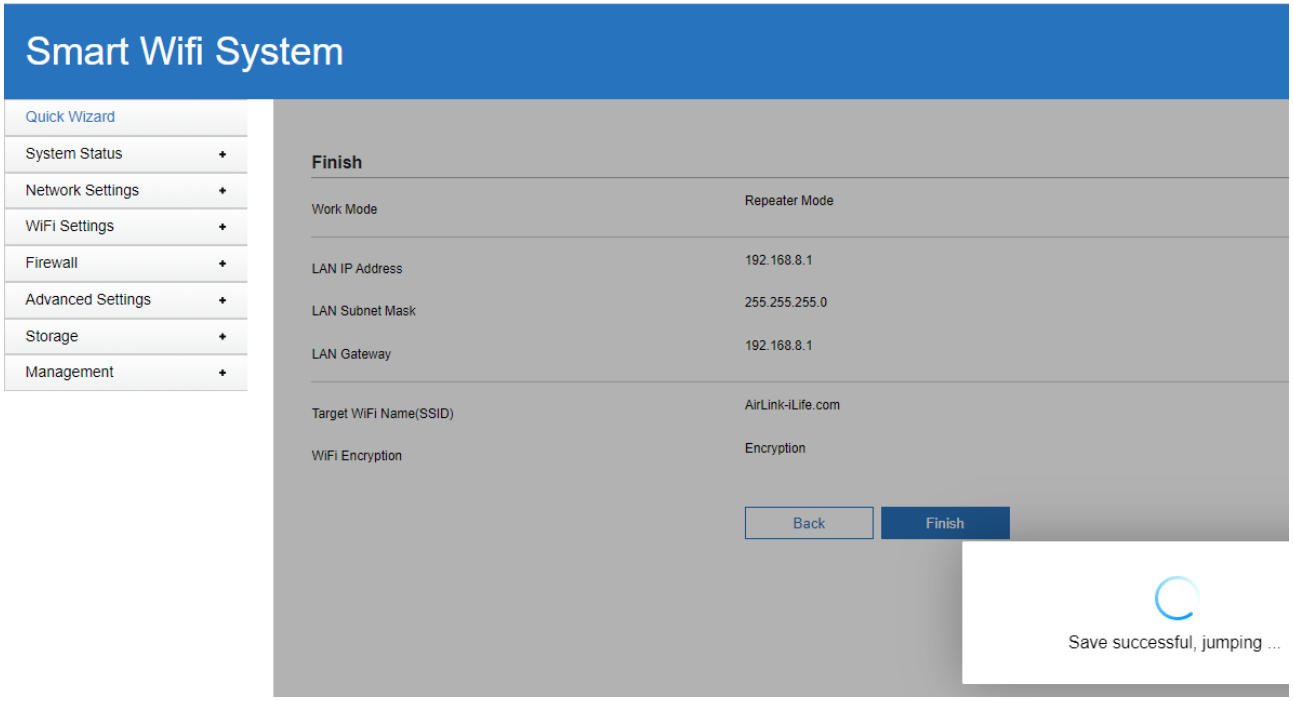
In this mode, the router acts as a wireless repeater, enabling the relay of nearby WiFi data to the LAN port. This is particularly useful for various scenarios within a local network or when 4G data usage is not required.

To configure this mode, access the device's web interface and select 'Quick Setup' from the menu. Then, choose 'Repeater Mode' and follow the on-screen instructions. Configure the gateway, search for the WiFi network you wish to relay, enter its password, and establish the connection. The connection status can be viewed as illustrated below:


Smart Wifi System
Quick Wizard
System Status
Network Settings
WiFi Settings
Firewall
Advanced Settings
Storage
Management
Work Mode
AP Mode
In this mode, the device acts as the central node of different wireless LAN clients.
Client Mode
In this mode, wired devices can access the Client, and the Client can be used as a wireless adapter to receive signals fron
Repeater Mode
In this mode, the device can duplicate and enhance the existing wireless signal to expand the coverage area, which is esp
Bridge Mode
In this mode, the device borrows the existing wireless WAN and uses different SSIDs and encryption modes to broadcast
achieve local coverage.
Router Mode
In this mode, the device allows multiple users to share the WAN. The wireless port (similar to the LAN end) shares an ISP'
AP-Client Router Mode
In this mode, the device allows multiple users to share the WAN through WISP. When the wireless port is connected to the
shares a WISP IP address through the wireless port.
Cellular(4/5G) Mode
In this mode, you can use a mobile network (4/5G) card to access the Internet.
Next


Smart Wifi System
Quick Wizard
System Status
Network Settings
WiFi Settings
Firewall
Advanced Settings
Storage
Management
LAN Settings
IP Address
192.168.8.1
Subnet Mask
255.255.255.0
Gateway
192.168.8.1
Back
Next


Smart Wifi System
Quick Wizard
System Status
Network Settings
WiFi Settings
Firewall
Advanced Settings
Storage
Management
Client Settings
WiFi Name (SSID)
Scan
Back
Next



Restore to Factory Settings

In cases of password loss, login difficulties, or abnormal device configurations, it is recommended to perform a factory reset. Following the reset, you can proceed with the reconfiguration of the device.

Method 1: When the system is functioning correctly, initiate a factory reset by pressing and holding the Reset button on the router for a minimum of 8 seconds using a pointed object. Allow the device to reboot and complete the reset process.

Method 2: To perform a factory reset, access the page by entering the default IP address. Next, navigate to 'System Management' and click on the 'Restore to Factory Settings' button to initiate the reset procedure.

Common Questions

The web management backend address and default password are as follows:

- ✓ Router factory default backend management address: 192.168.8.1
- ✓ Default management password: admin
- ✓ Default WiFi network name (SSID): HAO-LINK_****
- ✓ Default WiFi password: 123456789"

To reset the router to its factory settings, follow these steps:

Ensure that the router is in normal operation.

Use a pointed object such as a pen tip or a toothpick to press and hold the Reset button on the router for at least 8 seconds. This will initiate the factory reset process.

Wait for the router to reboot and complete the factory reset process. This may take a few minutes.

Once you've completed the above steps, the router will be restored to its factory settings, and you can reconfigure it using the default management address and password. Please note that performing a factory reset will erase all of your previous custom settings, including wireless network names and passwords, so proceed with caution.

Why is it that even when the WAN port is connected to an external network cable, I am still unable to access the internet?

Please verify the status of the external network data and ensure it is functioning correctly. If you have selected the fixed IP internet mode, check if the configured IP server can be successfully pinged.

Why am I unable to establish an internet connection after inserting a data SIM card?

Inspect the condition of the data SIM card and confirm that it has been correctly inserted into the device's SIM card slot. Additionally, consider the possibility of a device-SIM card binding, which may require intervention from your network carrier to resolve.

Product Warranty Information

The following scenarios fall outside the scope of warranty or replacement coverage, and it is important to take note:

- ✓ Unauthorized repairs or unauthorized disassembly of the device.
- ✓ Product malfunctions or damage resulting from failure to adhere to the instructions outlined in the user manual for installation, usage, maintenance, or storage.
- ✓ Human-induced incidents, including liquid ingress, physical damage, alteration of product serial numbers, or any modification to the device's appearance.
- ✓ The warranty or replacement period has expired.
- ✓ Damage resulting from accidental factors or deliberate human actions, such as incorrect voltage input, exposure to extreme temperatures, liquid spills, mechanical harm, drops, severe oxidation or rusting of the product, and more.
- ✓ Damage that occurs during the transportation of the product by the customer when returning it for repair.
- ✓ Malfunctions or damage attributed to unforeseeable events (force majeure), such as fires, earthquakes, lightning strikes, and other natural disasters.
- ✓ Any other issues or damage unrelated to the product's inherent design, technology, manufacturing, or quality.

Warranty Terms and Conditions

- ✓ The product comes with a 1-year warranty. Warranty claims are processed through customer-initiated returns for repair. It's important to note the following: The warranty covers the main unit exclusively. Accessories such as packaging, cables, software products, and technical documentation are not included in the warranty or replacement.
- ✓ The warranty period for the power adapter (if included) and antennas is 3 months. Physical damage, cracks, breakage, severe deformation, damaged power cords, wire breakage, exposed wires, or similar

issues are not covered under warranty. Users may need to purchase replacements separately.

- ✓ If the main device undergoes repair during the warranty period, it will continue to be covered by the warranty. If a replacement product is issued within 3 months of the original warranty's expiration, it will be covered by a 3-month warranty starting from the replacement date.