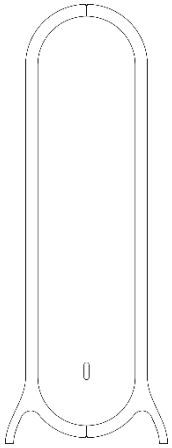
W1800PRO Wi-Fi 6

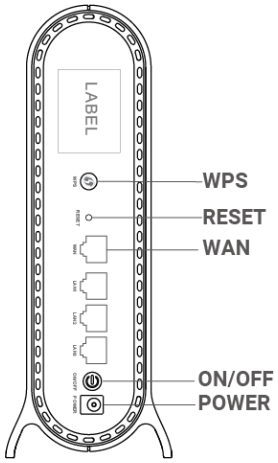
Mesh Wi-Fi Router

Quick Installation Guide

Product Overview

OnBox W1800PRO is an WI-FI 6 Ethernet uplink Mesh Wi-Fi Router, for residential and small office/home office, designed to expand home network coverage and providing 2.4GHz and 5GHz high-speed connection. The device offers 4 Gigabit Ethernet ports (1 WAN port and 3 LAN ports), 2x2 2.4GHz (11ax) + 2x2 5GHz (ax).





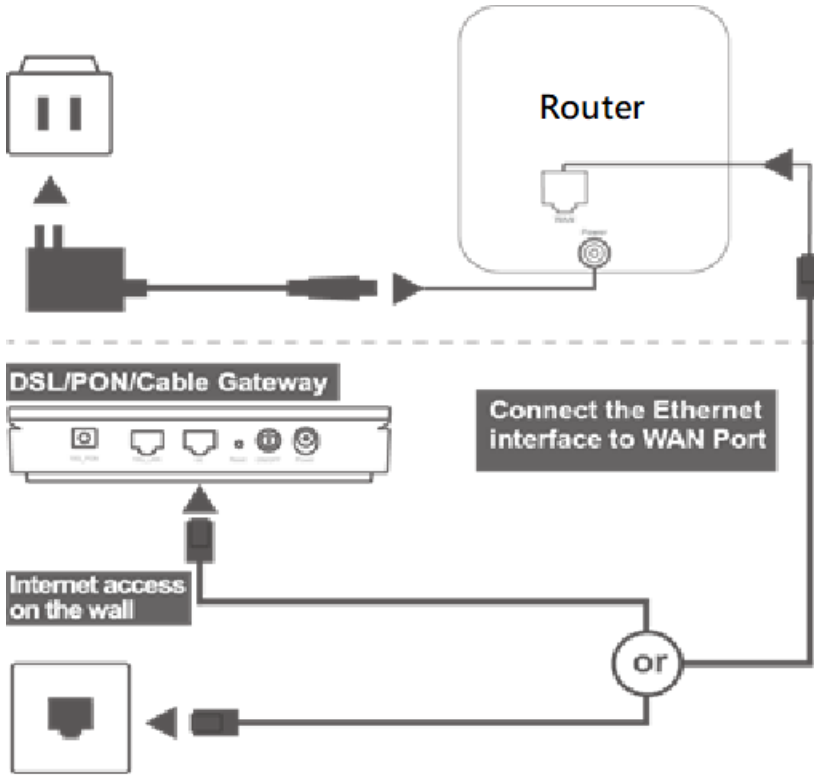
Button Description

Button	Function
WPS	Set the WPS process.
Reset	Short press (1 second) for reset the router; Long press (5 seconds or longer) for reset to factory default settings.
ON/OFF	Power on and off the router.（Model:AX1500/AX1800 PRO/AX3000 PRO）
LED ON/OFF	Turn on or off the LED.Turn off the LED indicator for a better sleep. The LED indicator switch will not affect the operation of *XXXXXX* Router. （Model:AX1800）

LED Description

LED Behavior	Scenario
Dark	No Power
Steady Red	Powering up
Blinking Red	No network cable connected
Blinking Green	Network connection in progress
Steady Green	Function normally and can access the Internet
Blinking Blue	WPS or Mesh pairing in progress
Steady Blue	Paring successful

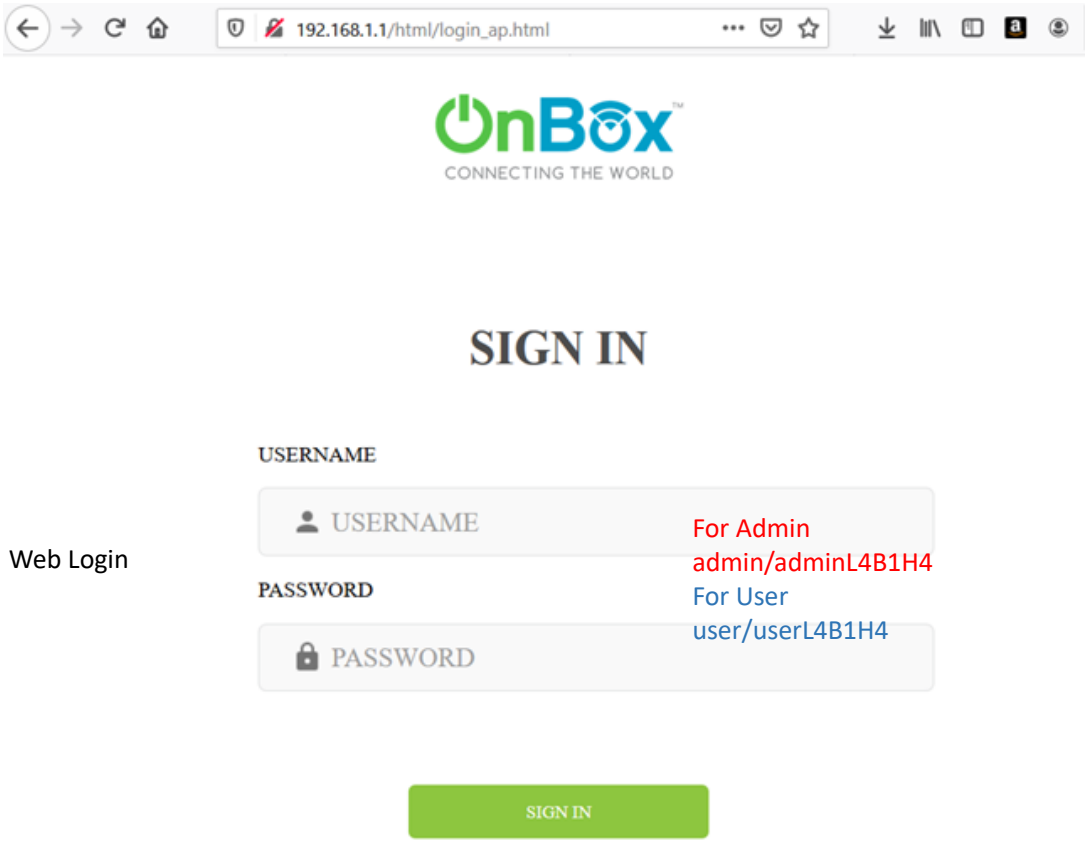
Connection and setup



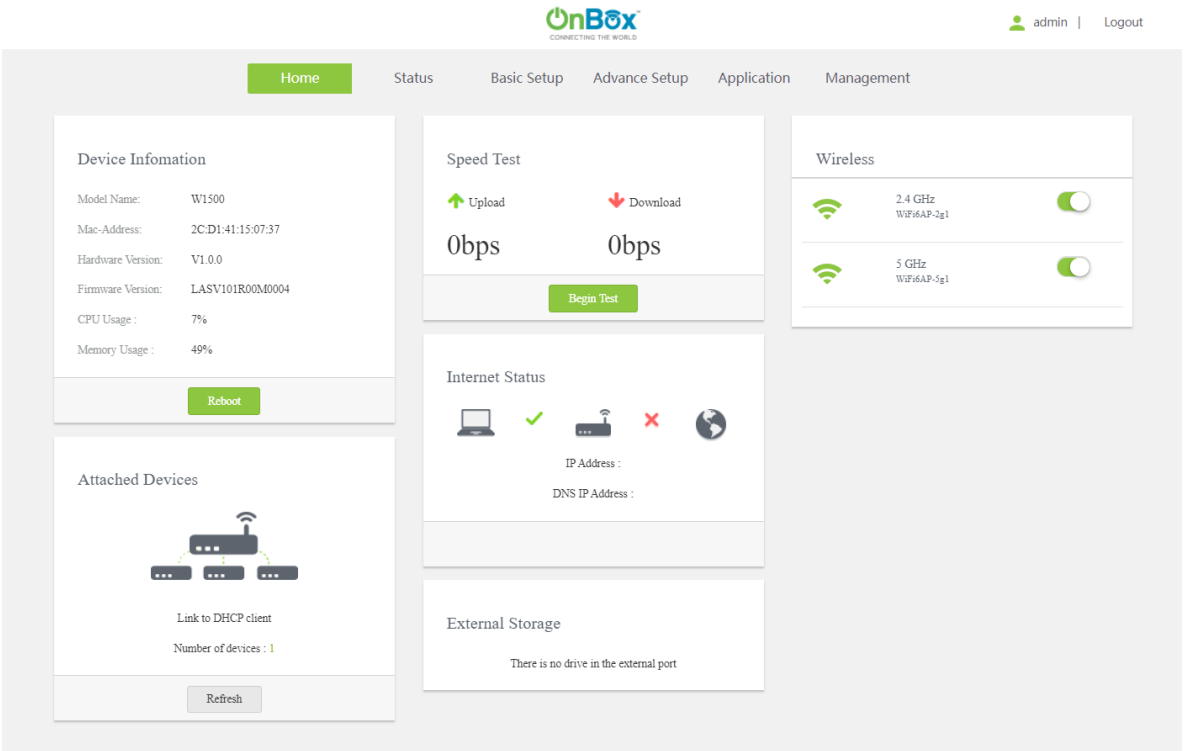
1. Connect the OnBox according to the diagram.
2. Press the On/Off button on the router. When the Power Status LED is ON and blinking the router is powered on.
3. Once the Power Status LED is steady green the router will have access to Internet. Wired clients (PC/Laptop) can be connected into the available LAN ports (Port 2/3/4), Wireless clients can connect to the router by using the SSID and the password located in the label at the bottom of the router.
4. Set the PC/Laptop to obtain an IP address automatically.
5. Open a Web browser and enter http://192.168.1.1 in the address bar (default value, if DHCP setting are modified use the new gateway IP). The login page will be displayed in the browser.
6. Enter de Username and Password (admin / adminL4B1H4). They can also be found in the label at the bottom of the router. Then click in Login.

1. Login to the web Interface

Web Login



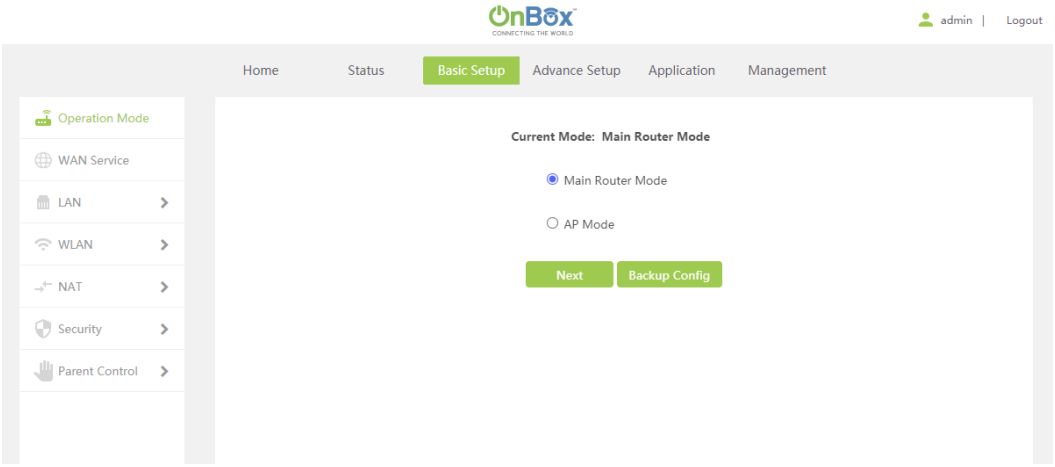
Home Page after Login



2. Operation Mode: Main Router Mode or AP Mode

2.1 Go to “Basic Setup” – “Operation Mode”, basically set the first Router as **Main Router Mode**

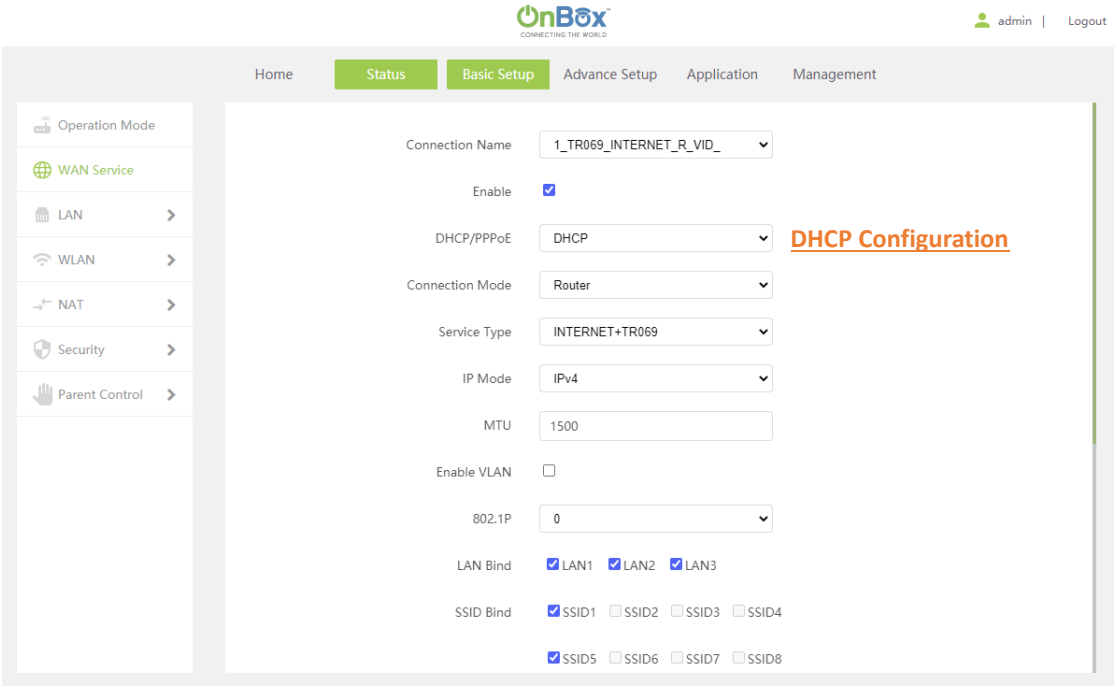
2.2 If you have one more W1500 Wi-Fi 6 Routers, set the next one to **AP Mode**, then push WPS button on Main Router and AP to enable the MESH network

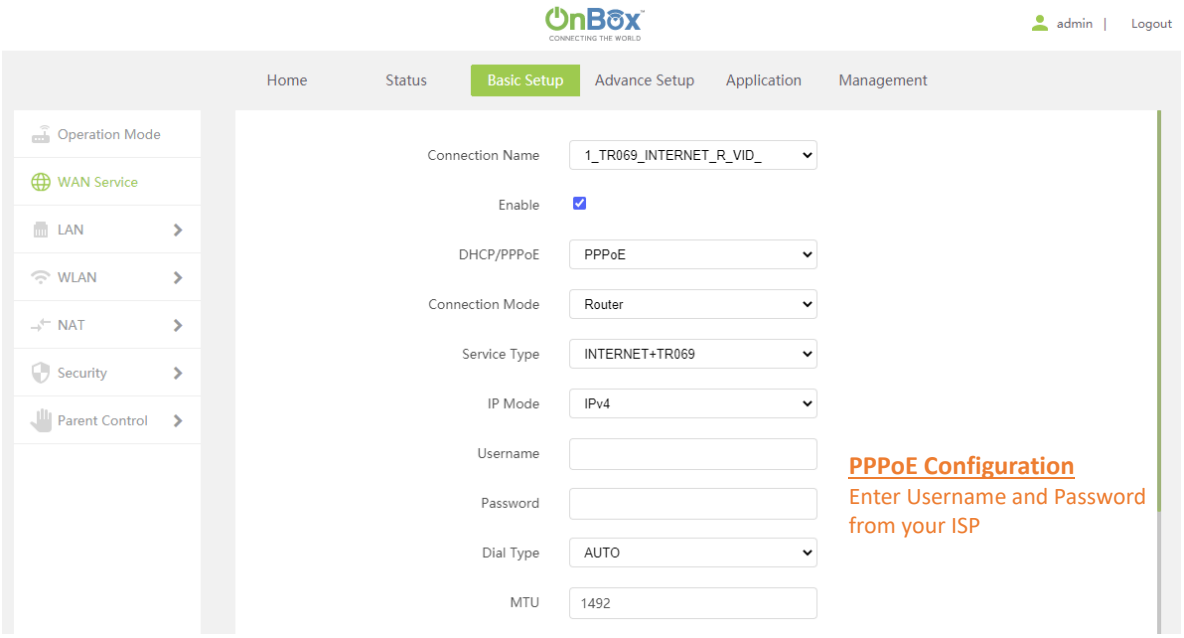


3. WAN Service: DHCP or PPPoE

3.1 Go to “Basic Setup” – “WAN Service”, the default is DHCP client for obtain the IP address from your service provider (normally for cable modem subscriber).

3.2 If you are requested to input username and password, please select to “PPPoE” on the drop menu from “DHCP/PPPoE. Enter username and password your service provider asked. Then “Save” it.

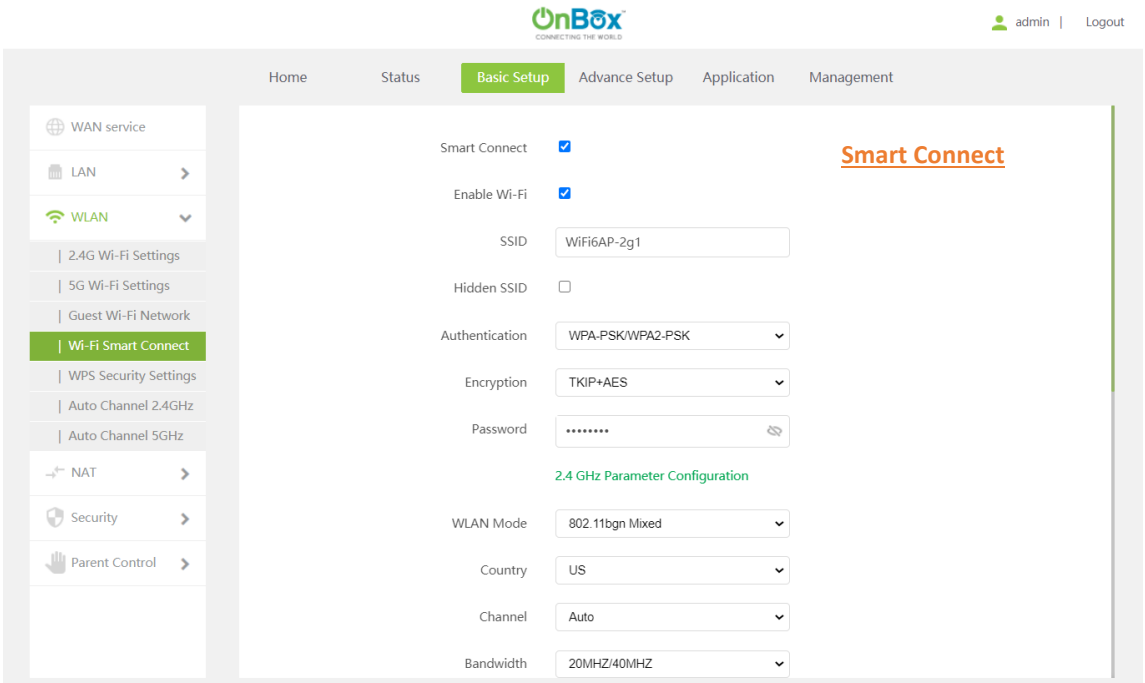


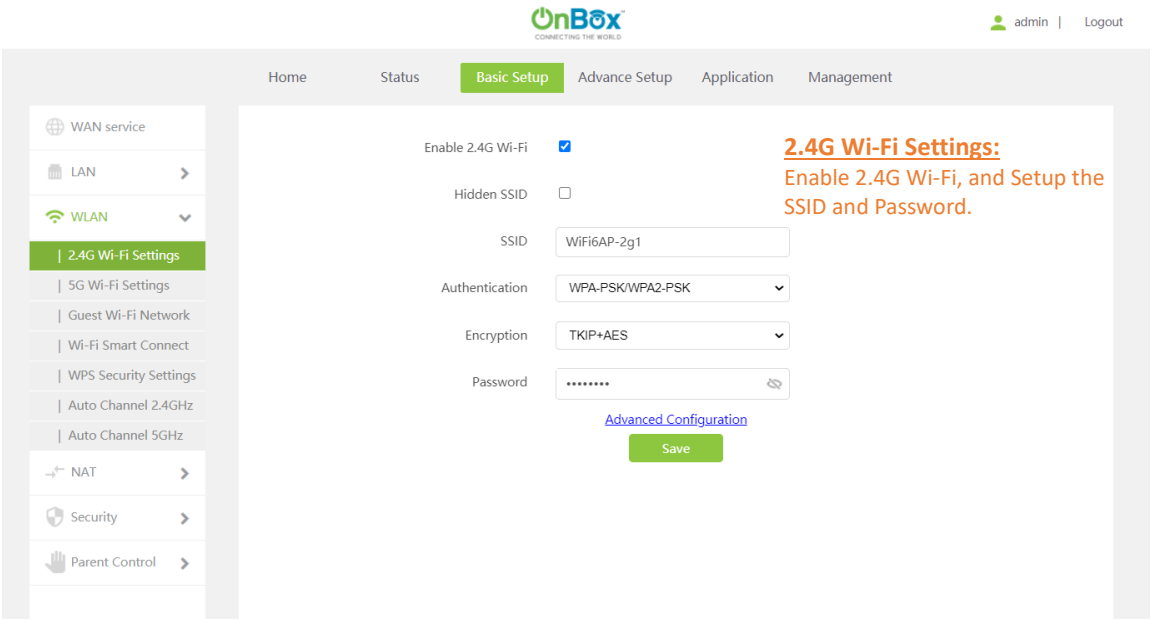


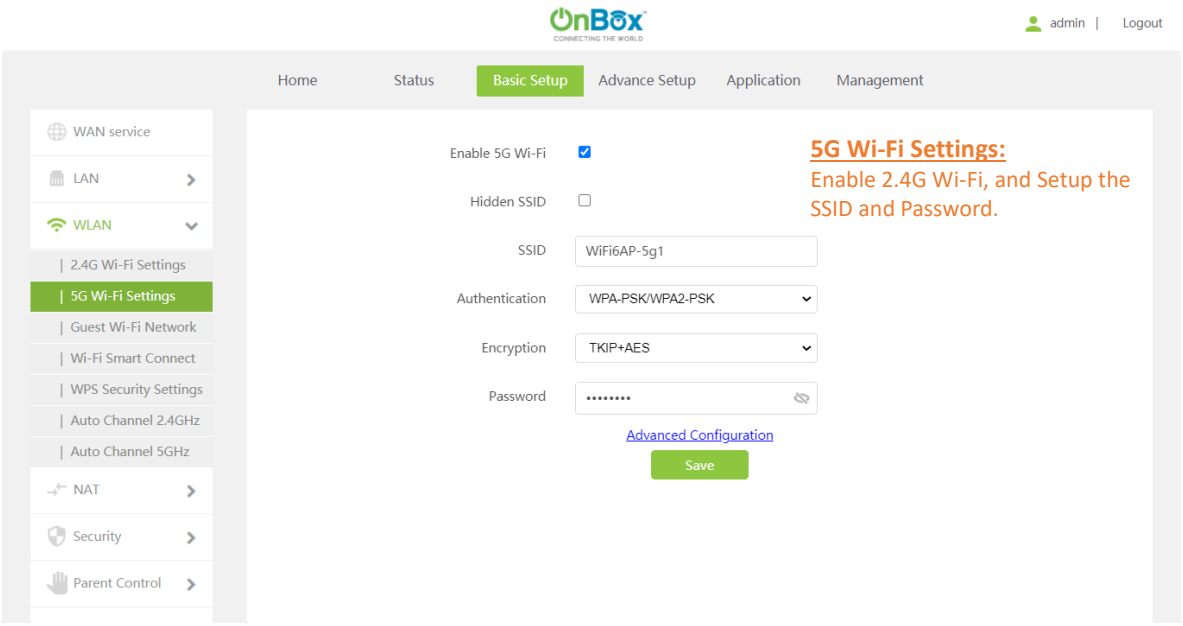
4. Wi-Fi configuration

4.1 Go to “Basic Setup” – “WLAN”, user can configure the 2.4G and 5G Wi-Fi separately or same SSID if enabled **Smart Connect**. Then set the SSID name and Authentication.

4.2 It is recommend to set “Authentication” as WPA-PSK/WPA2-PSK, and the ”Encryption” as TKIP+AES




admin | Logout
Home
Status
Basic Setup
Advance Setup
Application
Management
WAN service
LAN
WLAN
2.4G Wi-Fi Settings
5G Wi-Fi Settings
Guest Wi-Fi Network
Wi-Fi Smart Connect
WPS Security Settings
Auto Channel 2.4GHz
Auto Channel 5GHz
NAT
Security
Parent Control
Enable 2.4G Wi-Fi
Hidden SSID
SSID
WiFi6AP-2g1
Authentication
WPA-PSK/WPA2-PSK
Encryption
TKIP+AES
Password
Advanced Configuration
Save
2.4G Wi-Fi Settings:
Enable 2.4G Wi-Fi, and Setup the SSID and Password.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Auto Channel 5GHz
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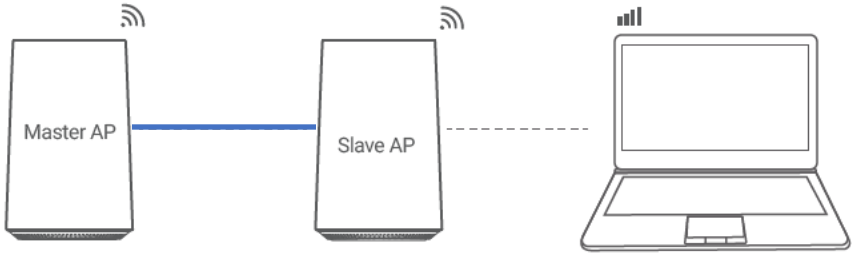
Security
Parent Control
Enable 5G Wi-Fi
Hidden SSID
SSID
WiFi6AP-5g1
Authentication
WPA-PSK/WPA2-PSK
Encryption
TKIP+AES
Password
Advanced Configuration
Save
5G Wi-Fi Settings:
Enable 2.4G Wi-Fi, and Setup the SSID and Password.

5. Mesh configuration

If you need Wi-Fi expansion, you can buy the same series Routers as Mesh AP. To optimize wireless performance, place the AP in a location that minimizes the barrier (such as wall, door, and floor) between the Main Router and the AP. We recommend one wall/door/floor between the two devices. You can connect the AP to your Main Router via network cable (preferred method) or wireless connection.

Notes: Before mesh configuration, go to Step 2, the Operation Mode, Configure this AP device to AP Mode first.

- Option 01 WIRED MESH SETUP



Plug the Ethernet cable to LAN Ports

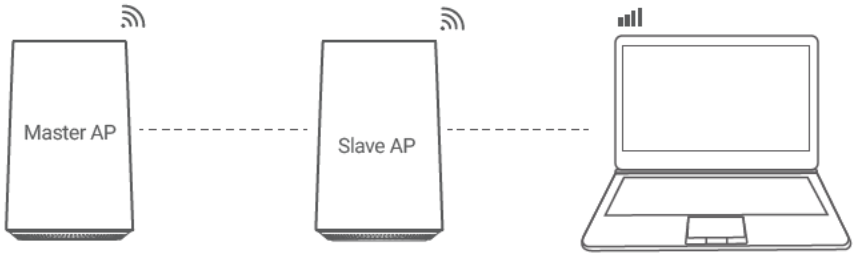
Step1. Setup connections according to the diagram above.

Step2. Press the ON/OFF button on the AP. When the Power status LED is ON, the AP is switched on.

Step3. When AP wired networking is successful, it will reboot automatically. Please wait patiently. Then you will see AP's Internet LED turns ON (Green).

Step4. Wireless clients can use the same Wi-Fi SSID and password as the Main Router to connect to Internet.

- Option 02 WIRELESS MESH SETUP



Step1. Place the new AP near the Main Router. Setup connections according to the diagram

above.

Step2. Press the ON/OFF button on the AP. When the Power status LED is ON, the AP is switched on.

Step3. Press the WPS button respectively. Pairing is in progress when both the WPS LEDs of the Main Router and AP are blinking blue.

Step4. Pairing is successful when both the WPS LEDs of the Main Router and AP are OFF. When AP wireless networking is successful, it will reboot automatically. Please wait patiently. Then you will see AP's Internet LED turns ON (Green).

Step5. You can move the new AP to the network expansion location.

Step6. Wireless clients can use the same Wi-Fi SSID and password as the Main Router to connect to Internet.

FAQs

Q1 How to reset the device?

Answer: When the router is powered on, pushing the "Reset" hole on the bottom of the Router with a needle. The LEDs starts to flash and hold for 10 more seconds. Then release it and the Router will reboot. Wait for about 2 minutes, then the factory default reset is completed.

Q2 If pairing a new AP fails(WPS LED flashes for 2 minutes before stopping),what should I do?

Answer: Place the new AP near the Main Router. When the 5GHz LED of the Main Router and the AP is ON,then press the WPS button respectively again and wait patiently.

Q3 Why wired Mesh networking fails?

Answer: Please check the connection between a LAN port of the Main Router and a LAN port of the AP via a network cable.

Q4 If I want to switch the Mesh connection back to wireless after successful wired networking, what should I do?

Answer: Disconnect the wired connection between the AP and the Main Router, power off and restart the AP. When the 5GHz LED is ON, press the WPS buttons of the AP and Main Router to pair. Pairing is successful when both the WPS LEDs of the Main Router and AP are OFF.

Q5 Mobile phones and other devices can connect to the router but cannot access the Internet. What should I do?

Answer:

01. Check whether the WAN LED is normal. The WAN port of the Main Router must be connected to

your Broadband Gateway (i.e. DSL/Cable modem, PON gateway) with a network cable.

02. Check whether the Internet LED is normal. Make sure the broadband service is normal and please contract service provider to check.

03. When all above are normal, try reboot the Router and then check the network once it powers back on.

FCC Statements

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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