WAVLINK

see the world

WiFi6 AX3000 Dual-Band Whole Home Mesh System with TouchLink

Model: CUBE AIR X1

@WavlinkOfficial
@WavlinkTechSupport

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About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them.

When using this guide, please notice that features of the router may vary slightly depending on the model and software version you have, and on your location, language, and internet service provider. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide the following conventions are used :

Convention	Description
Underlined	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	The content and text that needs to be emphasized on the web page is the theme color `#1D428A` , including menus, items, buttons, etc.
>	The menu structures to show the path to load the corresponding page. For example,**More > Network > Mode Selection** means the Mode Selection function page is under the Network menu that is located in the More tab.
Note:	Do not ignore this type of comment, it is to remind you to better use the device, to avoid the operation of the error that will cause the function to be invalid.
Tips:	Indicates important information that helps you make better use of your device.

More Info

The latest software, management app and utility are available from the Download Center at **https://docs.wavlink.xyz/Firmware/** .

A quick installation guide can be found in this guide.

Specifications can be found on the product page at **https://docs.wavlink.xyz/**.

If you encounter any issues, please don’t hesitate to email **contact@wavlink.com** to provide feedbacks or contact online customer service, thank you !

Speed/Coverage Disclaimer

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

Overview

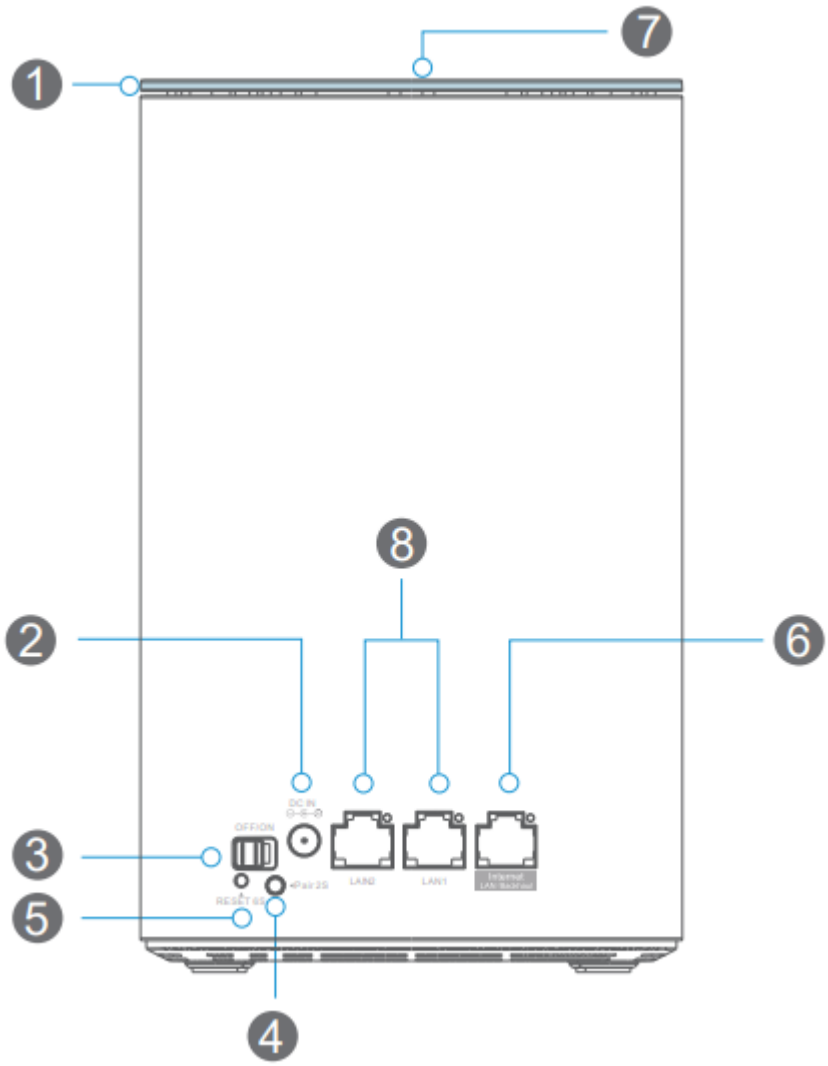
This chapter contains the following sections:

• Overview

• LED Indicators

• Basic Info

1. Overview



① LED Indicator

② Power Port

③ On/Off Switch

④ Pair Button

⑤ Reset Button

⑥ Internet/LAN Backhaul Port

⑦ Touchlink Pad

⑧ LAN Port

1 . **Pair Button:** Press and hold for **2** seconds to add an extra mesh device to the existing Wi-Fi system.

2 . **Reset Button:** Press and hold for **6** seconds to reset the mesh device

2. LED Indicators

LED	Description
Blue light	Internet is connected
Slow flashing (Red light)	Internet is disconnected
Quick flashing (Red light)	The extender is disconnected
Flashing (Blue light)	Touchlink/Pair mode is on

3. Basic Info

Default IP: **192.168.20.1**

Login: **http://wavlogin.link**

Mesh SSID: **WAVLINK-Mesh_XXXX**

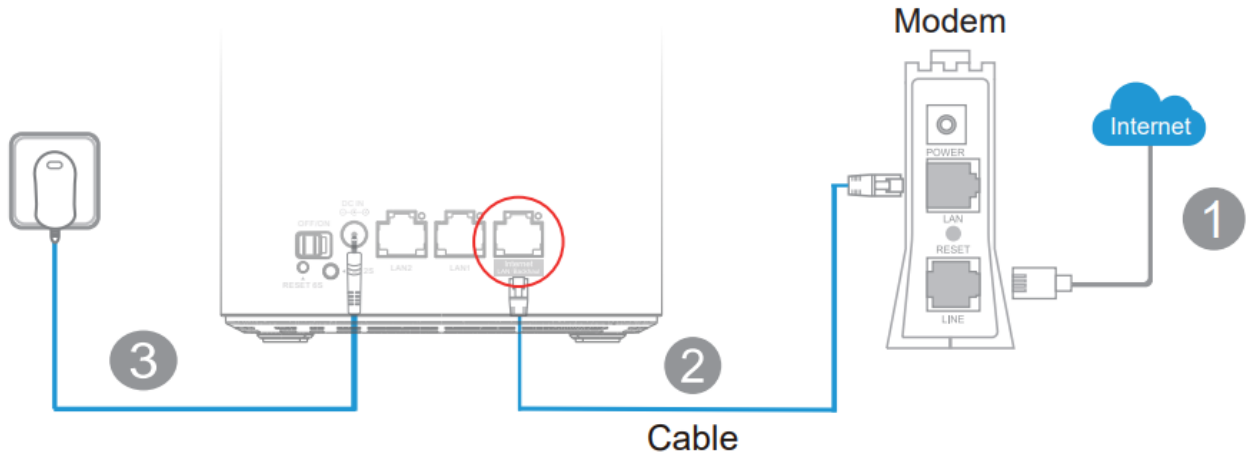
Touchlink SSID: **WAVLINK_Touch**

Setup Guide

This chapter introduces steps for setup guide:

Step 1: Access to the Internet

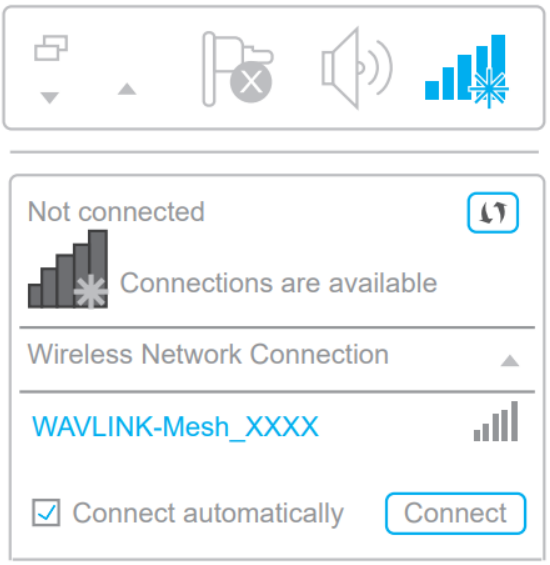
Select one of mesh devices as your router, connect its Internet LAN/Backhaul to the modem then plug it in a power outlet.



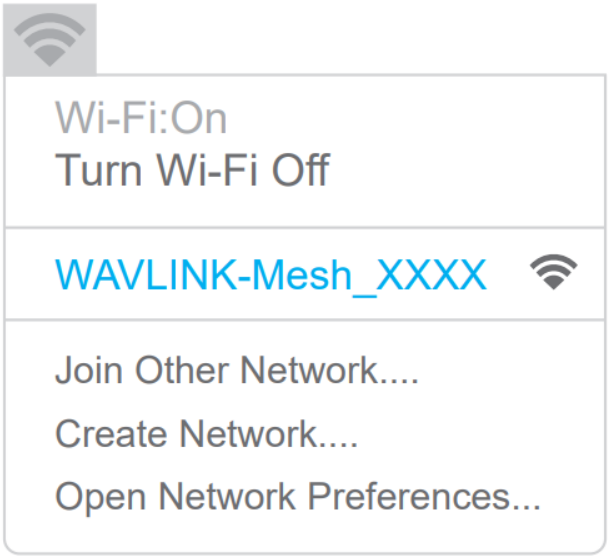
Step 2: Connecting the Router

2.1 Via Wireless

Turn on your Wi-Fi, search SSID “WAVLINK-Mesh_XXXX” and connect to it; then you can start configuring.

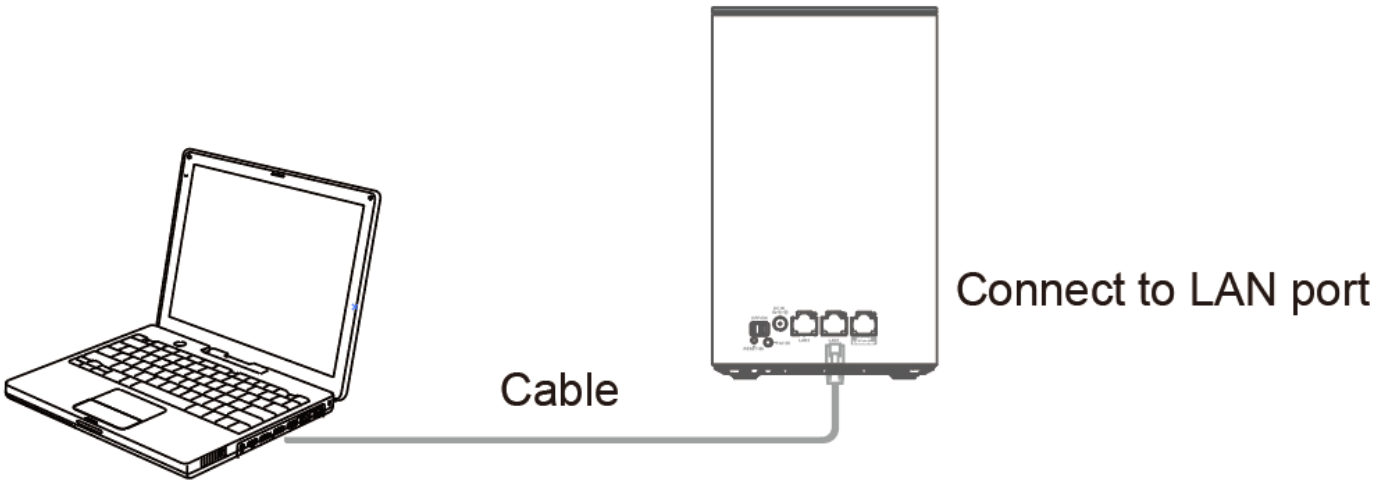


For Windows users



For Mac users

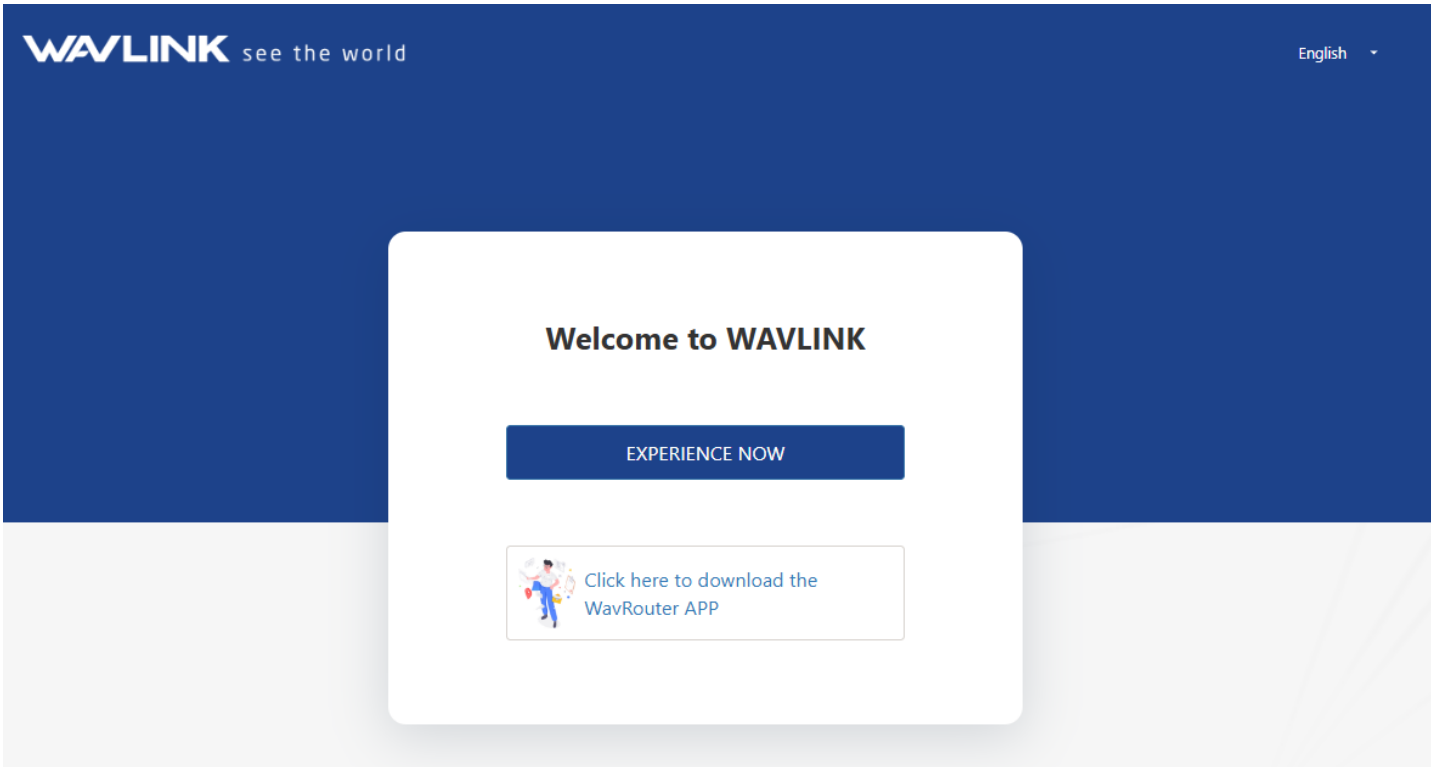
2.2 Via Cable



Connect Ethernet cable to your PC/laptop and device LAN port,then you can start configuring.

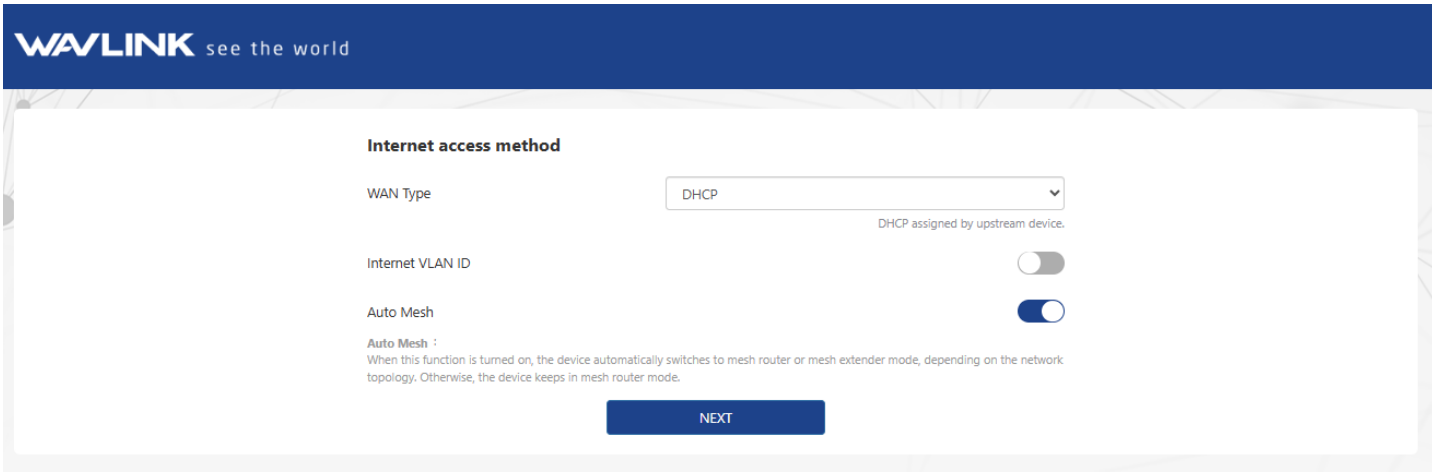
Step 3: Logging in to Management Page

Launch a browser from your laptop/PC or smart phone and enter http://wavlogin.link or 192.168.20.1 in the address field.



Step 4: Selecting WAN Mode

Select the WAN Type according to the type of your network.

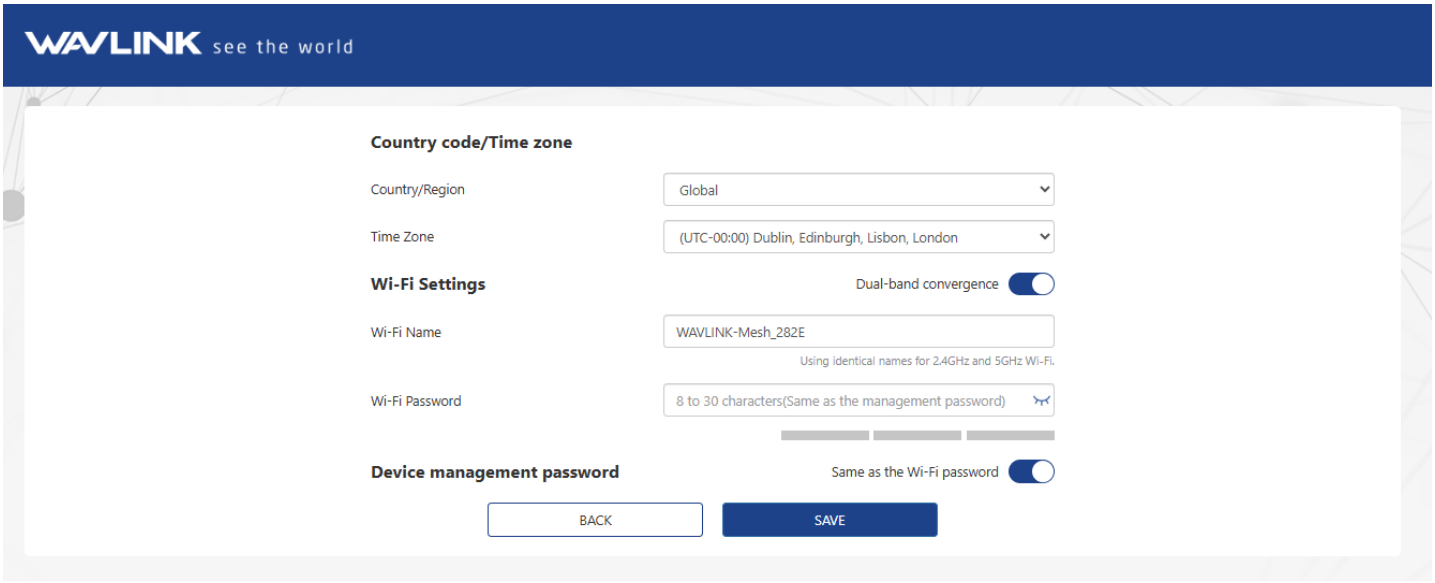


• Which WAN (Ethernet) Mode should I choose?

If the ISP provides you with an account and password, please choose PPPOE. If the ISP doesn't provide any parameters, and the computer can access the Internet directly by connecting the Internet cable, then can surf the Internet, please choose DHCP. If the ISP provides you a fixed IP and other information, please choose Static IP.

Step 5: Basic Settings

Select your Country/Region, and Time Zone; for your network security, we suggest that you set a new login password following the rules accordingly.



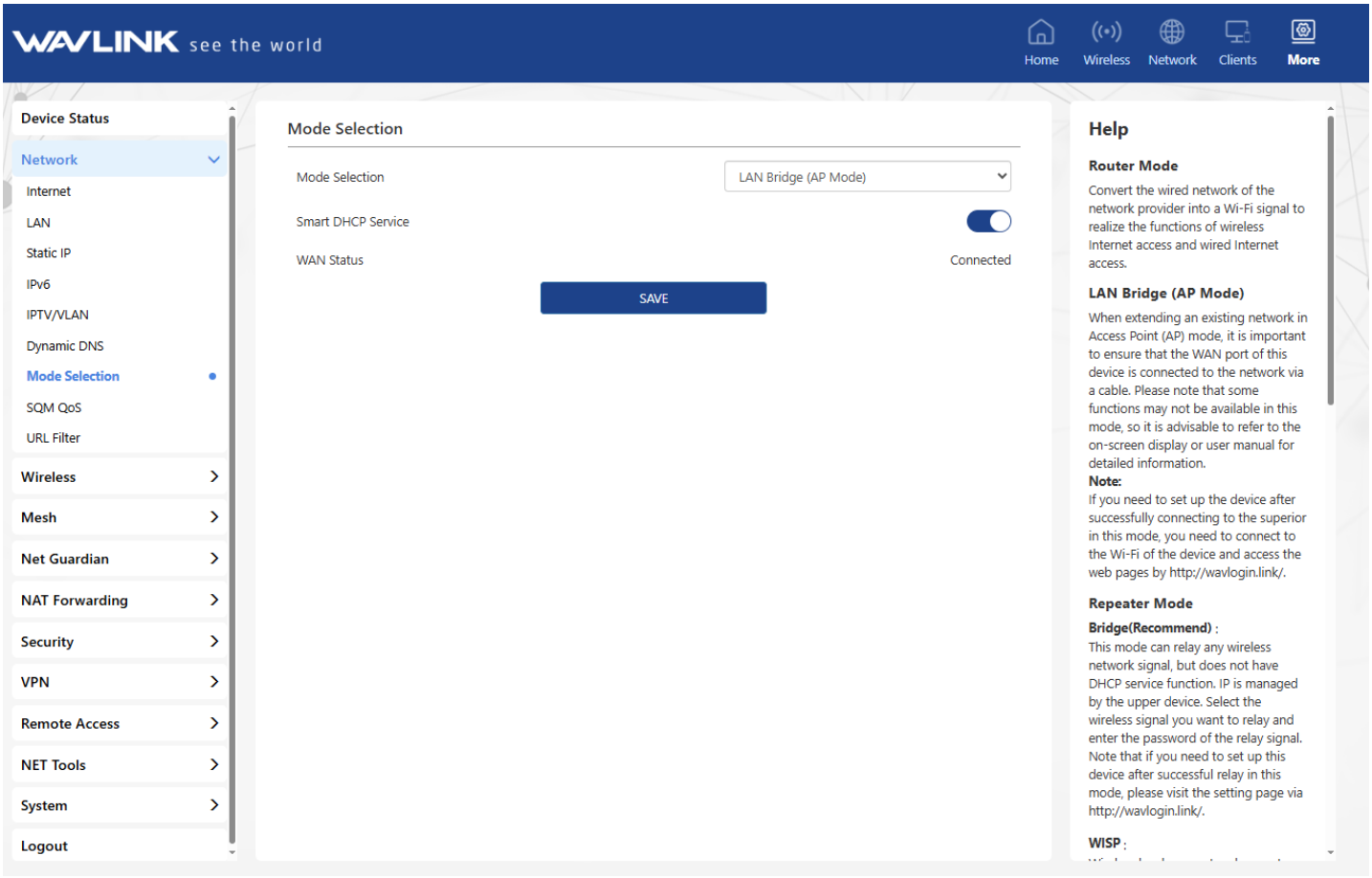
Note: The Dual-Band convergence switch is on by default. 2.4G WiFi and 5G WiFi use the same SSID and password. Turning off the Dual-Band convergence switch allows you to set the SSID and password for 2.4G WiFi and 5G WiFi separately.

Step 6: Done

Please wait patiently for the process to complete, then you can enjoy your wireless network.

Step 7: Switching to Other Modes

Click **"More"**, enter Network and select **"Mode Selection"**. You can select Router Mode and LAN Bridge (AP Mode).


WAVLINK see the world
Home
Wireless
Network
Clients
More
Device Status
Network
Internet
LAN
Static IP
IPv6
IPTV/VLAN
Dynamic DNS
Mode Selection
SQM QoS
URL Filter
Wireless
Mesh
Net Guardian
NAT Forwarding
Security
VPN
Remote Access
NET Tools
System
Logout
Mode Selection
Mode Selection
LAN Bridge (AP Mode)
Smart DHCP Service
WAN Status
Connected
SAVE
Help
Router Mode
Convert the wired network of the network provider into a Wi-Fi signal to realize the functions of wireless Internet access and wired Internet access.
LAN Bridge (AP Mode)
When extending an existing network in Access Point (AP) mode, it is important to ensure that the WAN port of this device is connected to the network via a cable. Please note that some functions may not be available in this mode, so it is advisable to refer to the on-screen display or user manual for detailed information.
Note:
If you need to set up the device after successfully connecting to the superior in this mode, you need to connect to the Wi-Fi of the device and access the web pages by http://wavlogin.link/.
Repeater Mode
Bridge(Recommend) :
This mode can relay any wireless network signal, but does not have DHCP service function. IP is managed by the upper device. Select the wireless signal you want to relay and enter the password of the relay signal. Note that if you need to set up this device after successful relay in this mode, please visit the setting page via http://wavlogin.link/.
WISP :

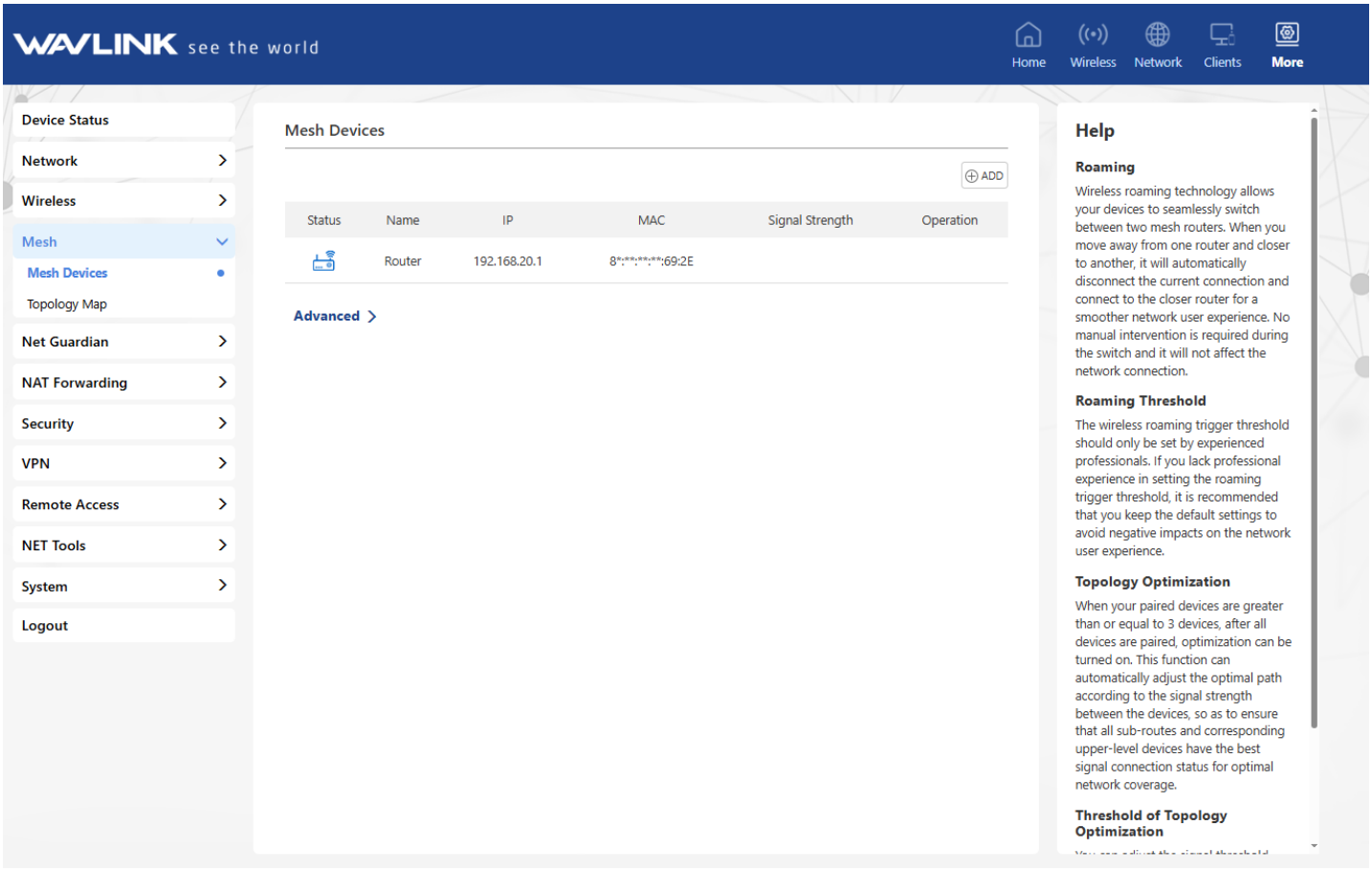
More Mesh Devices

Generally, a mesh router device supports up to 10 devices(including the existing mesh device). Therefore, if you need to add more mesh devices to build up a stronger network in your home, you simply need to pair the new mesh devices with the existing network.

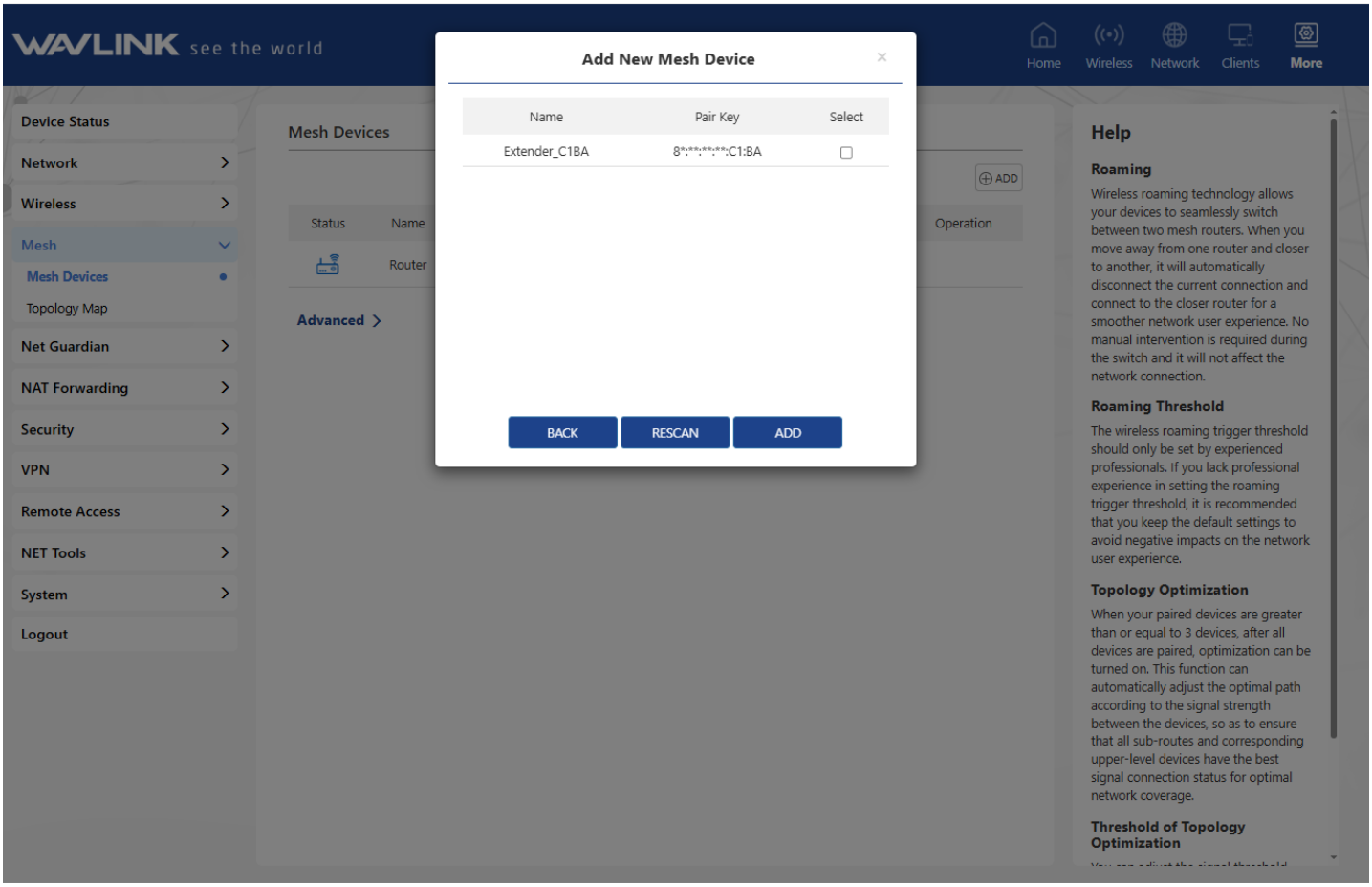
Pairing on the web

1 . Click **“Mesh”** and then select **“Mesh Devices”**.

2 . Click on **“ADD”** and then follow the prompts on the screen.



3 . After scanning, please make sure the device you want to add is listed, and click **“ADD”**. If not, make sure the Mesh extender to be added is in a paired state. Click **“RESCAN”**.



After configuring the main router, when the main router has the network, press and hold the pair button of the main router and the mesh extender at the same time for 2 seconds. When LED lights become solid blue, the pairing process is successfully completed.

Firmware Upgrade

This chapter contains the following sections:

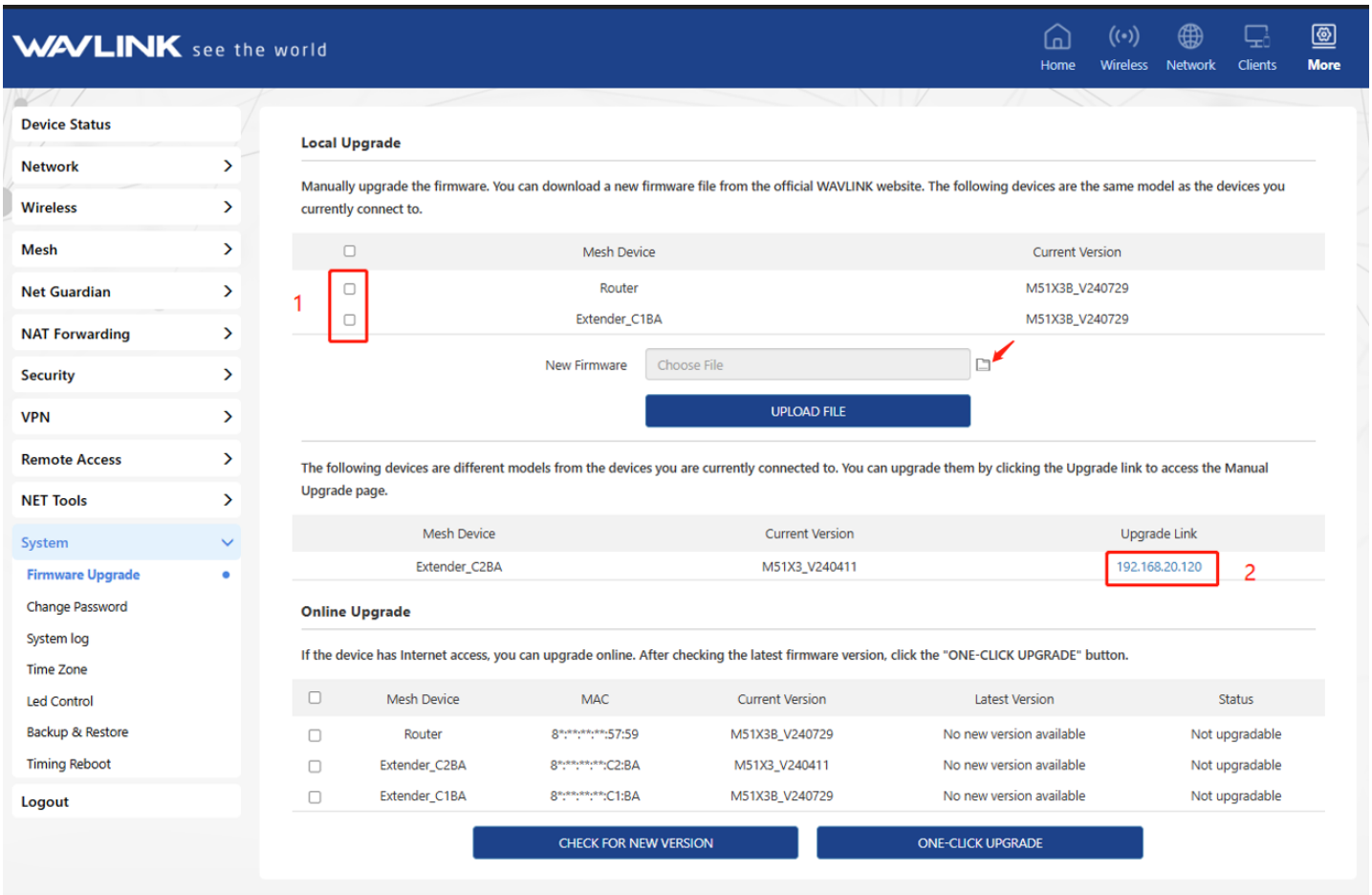
• Local Upgrade

• Online Upgrade

If you need to update firmware, please proceed as the following steps:

Option I : Local Upgrade

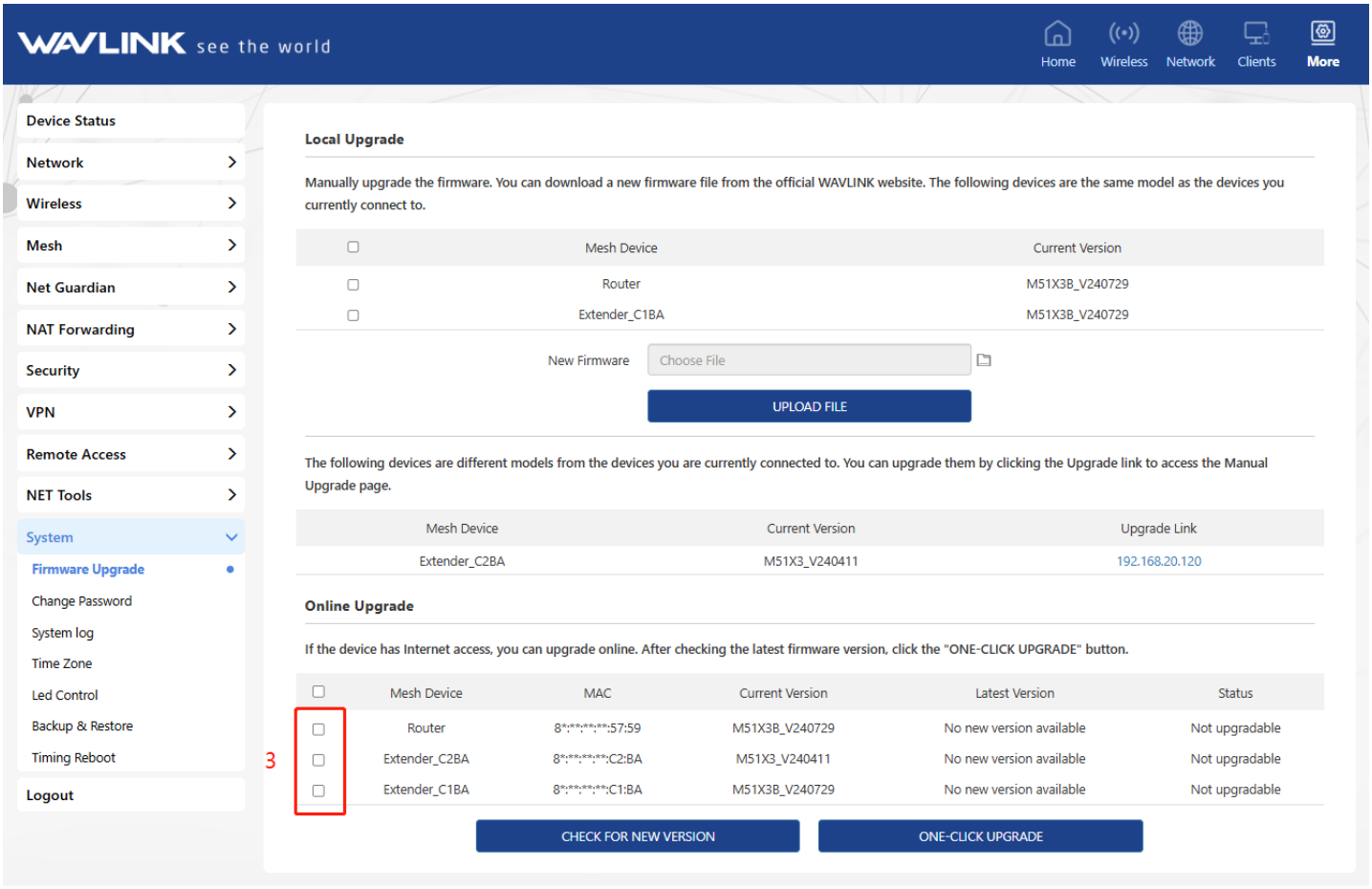
1. Download the latest firmware file from our official website.
2. Extract the firmware from the downloaded file.
3. Log in to 192.168.20.1. Then click **“More”**, open **“System”** and select **“Firmware Upgrade”**.
4. Click on the red arrow's place to locate the extracted firmware file.
5. Click on **“UPLOAD FILE”** and choose **“Apply”**, and wait for the firmware upgrade process to complete.



Tip: If your all mesh devices are same model, you can check and upgrade your deviecs together at ①. If the model of your devices are not same, please visit the web interface of each device and upgrade it in ②.

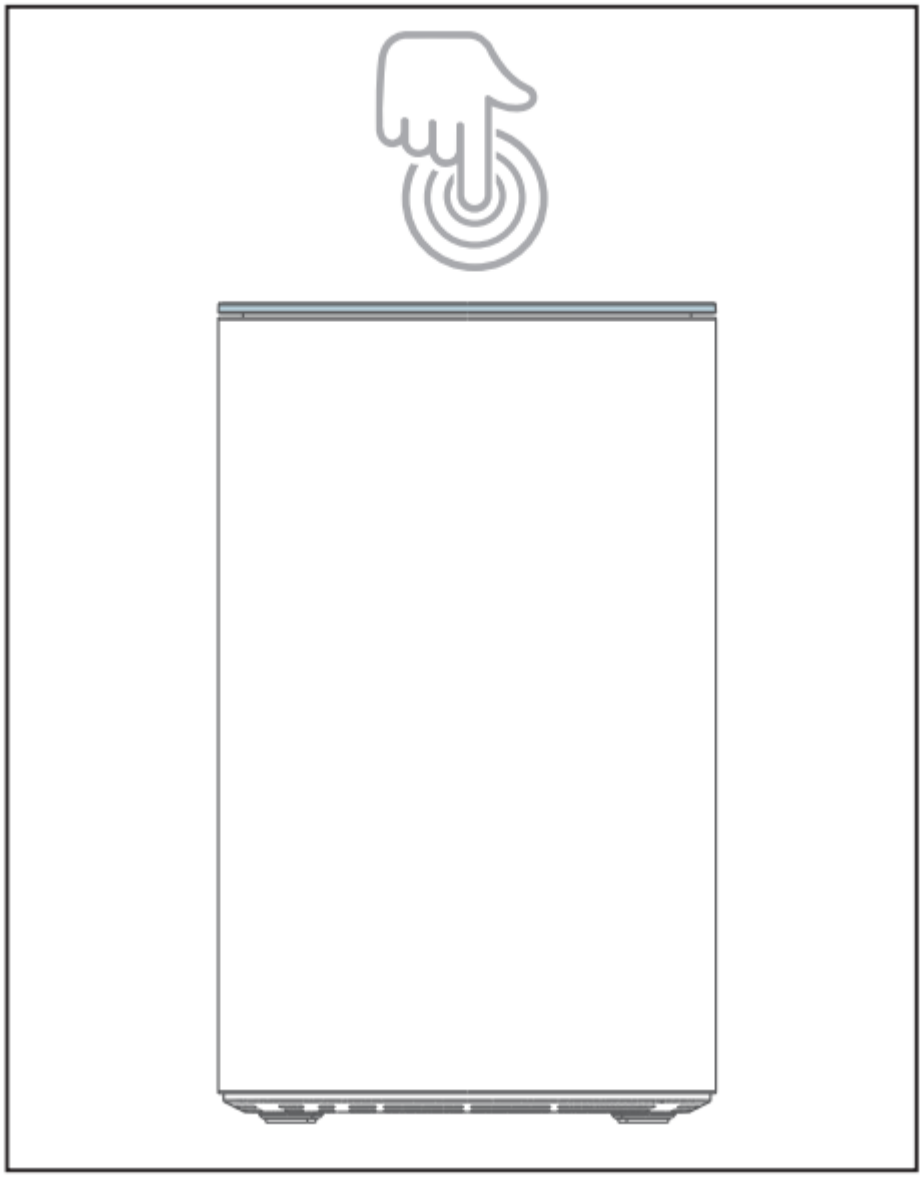
Option II : Online Upgrade

1. Log in to 192.168.20.1. Then click **“More”**, open **“System”** and select **“Firmware Upgrade”**.
2. Select the Mesh Node Name in ③ that needs to be upgraded.



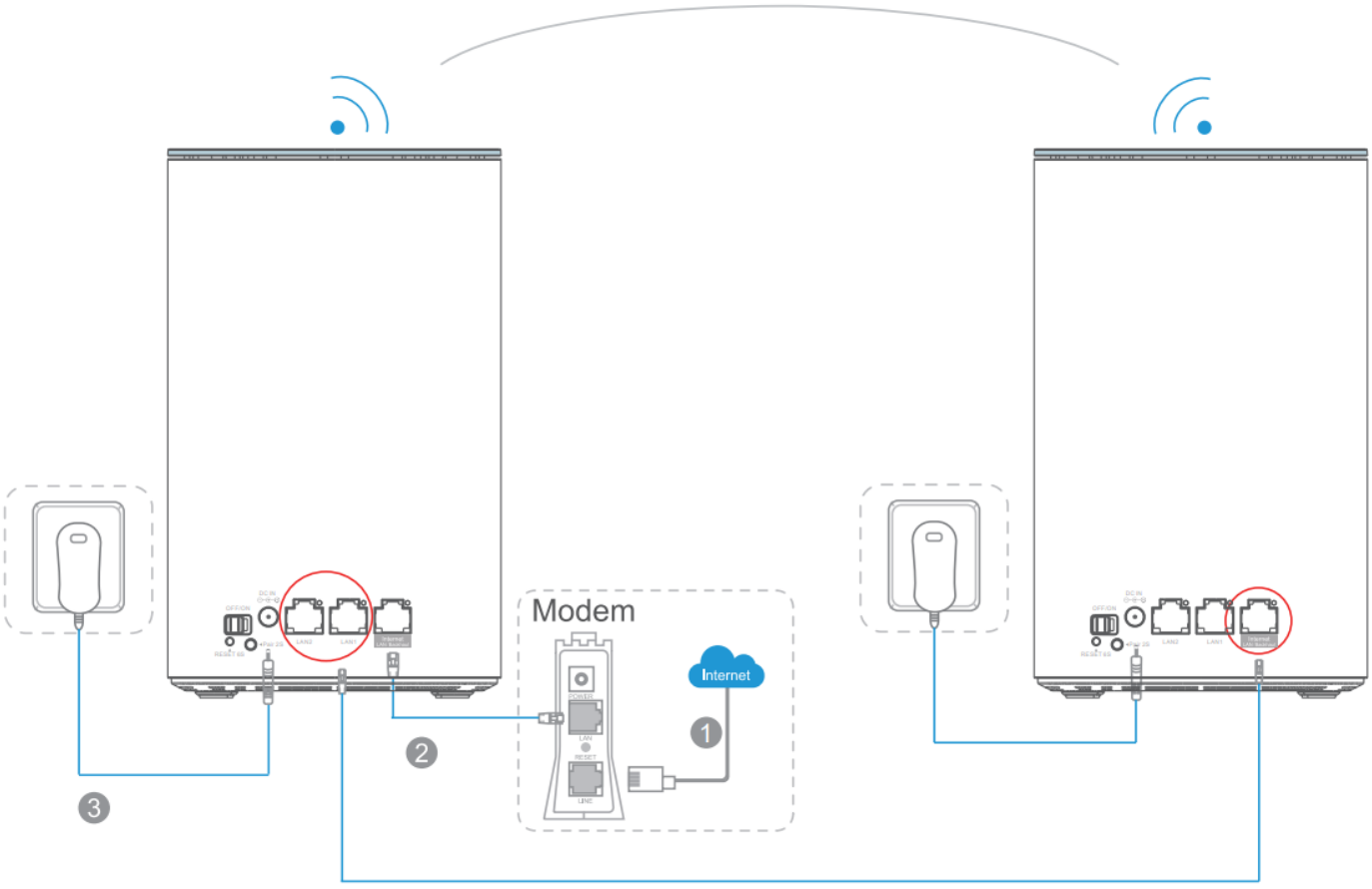
Touchlink Technology

At the top of the mesh device there is the TouchLink sensing pad; once you touch the pad with your hand or other devices, the sensing pad will blink in blue, indicating that TouchLink is in process, then you can search **“WAVLINK_Touch”** and connect to it without any password.



LAN Backhaul

1. If the wireless signal weakens because of complex environment,you can try the second option LAN Backhaul.
2. After mesh router is paired with mesh extender, then connect the **“WAN”** port of the extender to **“LAN”** port of your router.



FAQ

Q1. Why doesn't the login page appear after entering http://wavlogin.link?

- If your computer is wirelessly connected, please verify that you have connected to the device's SSID. If your computer is connected via an Ethernet cable, please verify that the connection is stable.
- Make sure your PC is set to obtain IP address automatically.
- Please make sure you entered the correct website.

Q2. What can I do if I can not access the Internet?

- Make sure your Internet works normally, please contact your ISP (Internet Service Provider) if it doesn't.
- Initiate your browser, enter 192.168.20.1 then set up following the quick start guide.
- Reboot your device and try again.

Q3. How do I restore the device to factory default setting?

- Press and hold the reset button of the device for 6 seconds.

Q4. What can I do if I forget my administration management password?

- Please reset the device.

Q5. How do I find the best location for my device?

- Please put your device in a relatively open space to avoid obstacles such as metal objects, reinforced concrete walls and so on.

Q6. What should I do if I can't have access to 192.168.20.1 on my android phone?

- We suggest you turn off your mobile Network first before you set up the network, then turn it on when the configuration is done.

Q7. Why the flow monitoring is inaccurate?

- The Hardware NAT Settings' default open status leads to the absence of monitored data. lf you wanna keep the flow monitoring accurate, you have to turn off the Hardware NAT Settings function manually, which will inevitably increase the CPU usage.

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After Sales

Need help?

We're here for you!

Online support: wavlink.com

Available Mon-Fri 8:30 am-5:30pm (UTC+8)

support@wavlink.com

Available Mon-Fri 8:30 am-5:30pm (UTC+8)

+1 8889730883 (US Local)

Mon-Fri 9:00 am - 10:00 pm (UTC-5)

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