

User Manual

Wi-Fi 7 BE5100 Dual Band 2.5 Gigabit Mesh Router

Model: Skyline Stream 5

@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.

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

Safety Instructions

Always read the safety instructions carefully.

Keep this Quick Start Guide for future reference.

Keep this equipment away from humidity.

If any of the following situation arises, get the equipment checked by a service technician:

technician:
☐The equipment has been exposed to moisture.
☐The equipment has been dropped and damaged.
☐The equipment has an obvious sign of breakage.
The equipment has not been working well or you cannot get it work according to Quick

Copyright Statement

start Guide.

No part of this publication may be reproduced in any form by any means without the prior written permission.

Other trademarks or brand names mentioned herein are trademarks or registered trademarks of their respective companies.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic eauipment, or returned to the supplier for disposal.



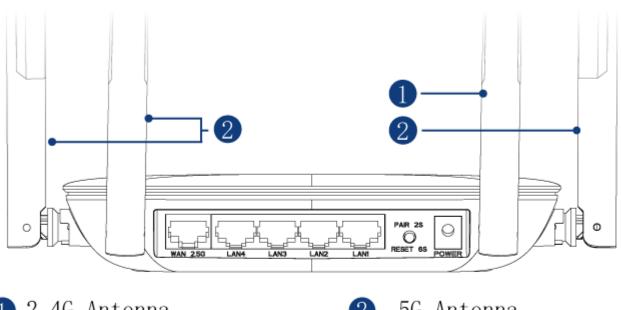
Chapter 1 Overview

This chapter contains the following sections:

- <u>Hardware-Overview</u>
- Basic-Info

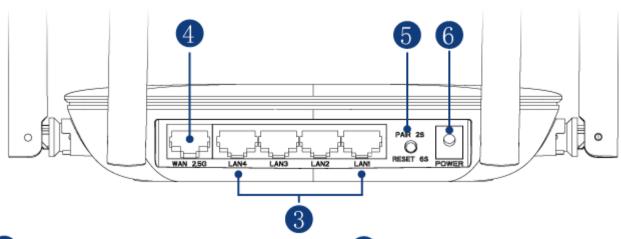
Overview

Hardware Overview



1 2.4G Antenna

5G Antenna



34×Gigabit LAN Port

 1×2.5 Gigabit WAN Port





Basic Info

2.4G SSID:WAVLINK-Mesh_XXXX

5G SSID:WAVLINK-Mesh_XXXX

Default IP: http://192.168.20.1

Login:http://wavlogin.link

Chapter 2 LED Indicator

LED Indicator

Mode	LED Status and Description(Blue)
Router Mode	Solid on:The Internet connected Fast blinking:No Internet connected Slow blinking:In pairing
Repeater Mode	Solid on:The Internet connected Slow blinking:Upper router connected but the Internet disconnected Fast blinking: Upper router disconnected
AP Mode	Solid on: The Internet connected Fast blinking:No Internet connected Slow blinking:In pairing

Note: Press the RESET/PAIR button for more than 6s, then the light becomes solid on. Press the RESET/PAIR button for 2s, the LED will be slow blinking.

Chapter 3 Mode Configuration

This chapter contains the following sections:

- Router Setup Guide
- Repeater Setup Guide
- AP Setup Guide

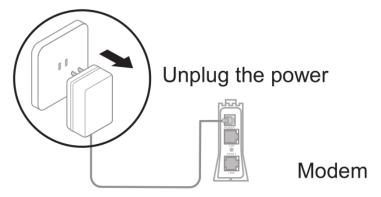
Mode Configuration

Router Setup Guide

1. Prepare the Modem

1) Unplug the power adapter from your DSL modem. If the modem has backup battery, please remove it.

Note: If using a DSL Internet connection, obtain the login credentials (username/password) from your Internet Service Provider (ISP) to properly configure your wireless router.



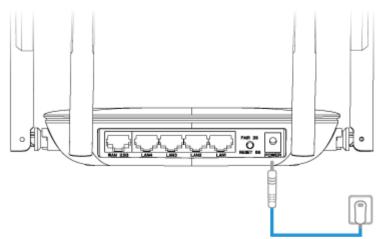
- 2) Use the provided Ethernet cable to connect the modem to the WAN port of the router.
- 3) Plug the modem into a power outlet and turn it on.



4) Check the indicator lights on the modem to confirm a stable Internet connection.

2. Install Your Router

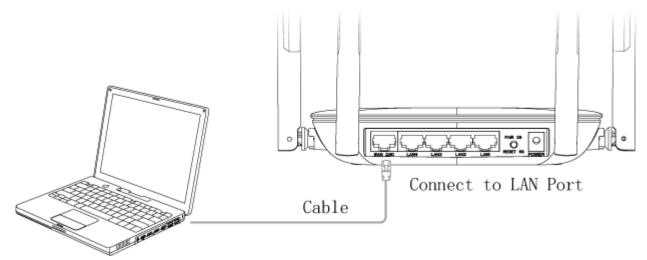
1) Insert the power adapter into the router's DC IN port and press the power switch (if applicable, some models lack a physical switch).



2) Wait for about 2-3 minutes, then the router is ready.

3. Configure the Router via Web Browser

1) Wired Connection: Use another Ethernet cable to connect your computer to one of the LAN ports on the router.



2) Wireless Connection: On your laptop or smartphone, connect to the default SSID printed on the router: **WAVLINK Mesh XXXX**.

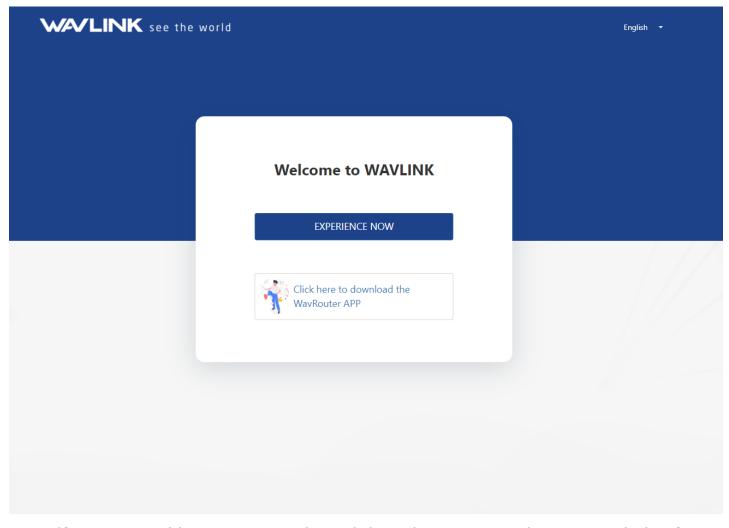




For Windows Users

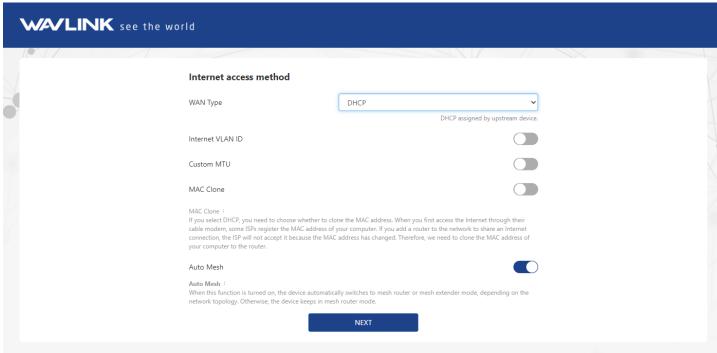
For Mac Users

3) Open a web browser(via wired or wireless connection)and enter http://wavlogin.link in the address bar. You will automatically enter the Wavlink router initial setup page. If not, manually enter 192.168.20.1 in the browser's address bar and follow the instructions.



Note: If you are unable to access to the web-based setup page please get solution from FAQ:Q1.

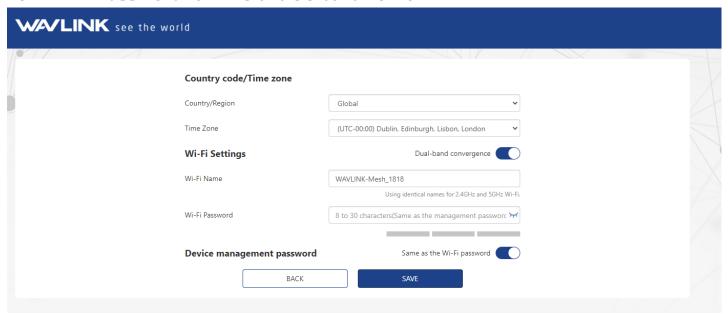
4) After logging in, choose **WAN Type**. Then click **NEXT**.



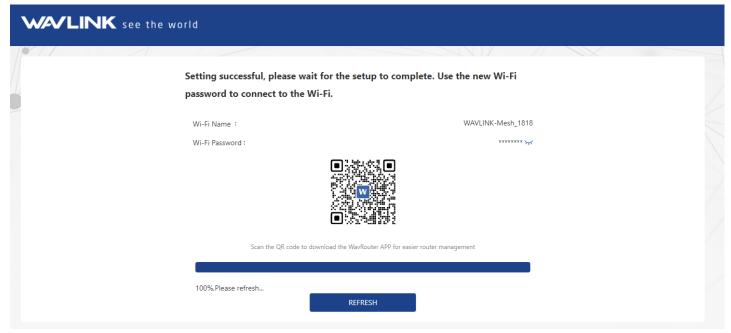
Note:

Which WAN Type am I supposed to choose?

- ① If you choose **DHCP**, you will need to select whether to clone the MAC address. Some ISPs register the MAC address of your computer when you first access the internet through their cable modem , we need to clone the MAC address of your computer to the router.
- ② If you choose **PPPoE**, enter the **Username** and **Password** provided by your ISP. PPPoE is usually designed for such as DSL or fiber optics.
- ③ If you choose **Static IP**, enter a specified IP parameters including IP address, Subnet Mask, Gateway, DNS1 and DNS2 provided by your ISP.
- 5) Choose your **Country code/Time zone**, and configure the **WiFi Name** and create a new **Wi-Fi Password** for 2.4G and 5G band network.

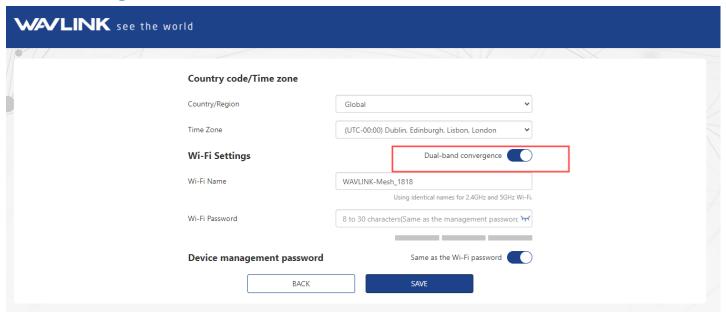


6) After setting, click **SAVE**. 7) Wait the setup to complete, after clicking **REFRESH** you can use the new Wi-Fi Password to reconnect to the Wi-Fi.

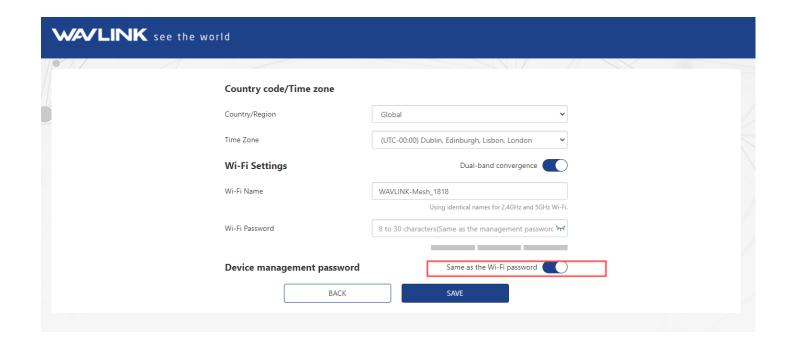


Note:

1) If you want same WiFi Name/Password for your 2.4G and 5G network, open **Dual-band convergence**.



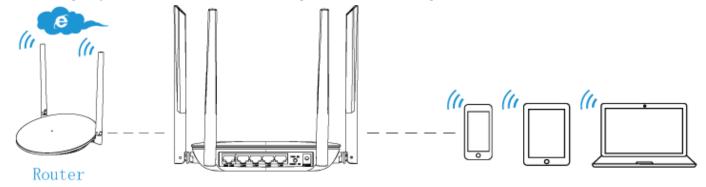
2) If it is necessary for you to set the device's administration password same as the WiFi password, choose **Same as the Wi-Fi password**.



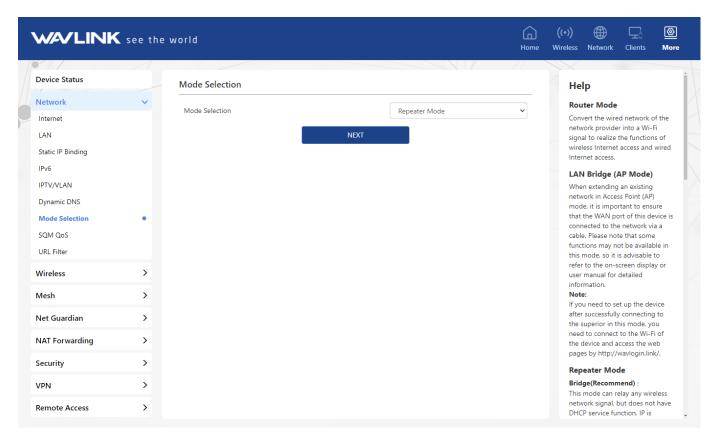
Repeater Setup Guide

Note: In repeater mode, the wavlink device will build a wireless connection with the upstream router to help you get a larger WiFi coverage, and the device will be switched to AP Mode after initial setup.

1. If you want to change the router mode into repeater mode to get a larger Wi-Fi coverage, put the device in the range of the existing Wi-Fi network.

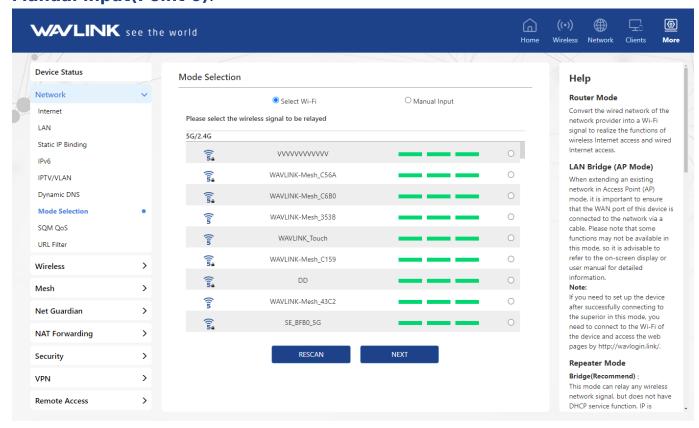


- 2. Launch a browser from your computer or smart phone and enter http://wavlogin.link in the address field not search bar.
- Click More>Network>Mode Selection, choose Repeater Mode from the Mode Selection list. Then click NEXT.

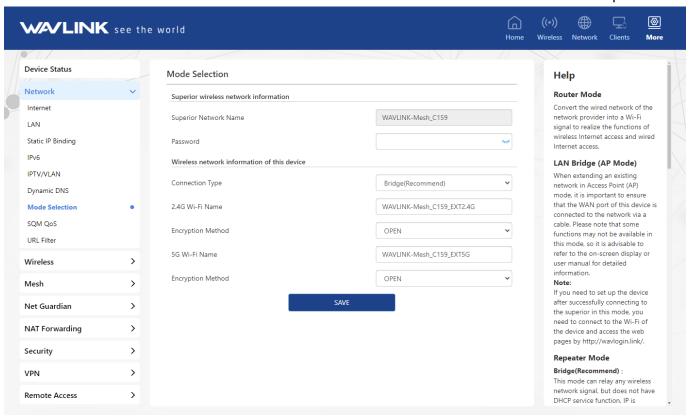


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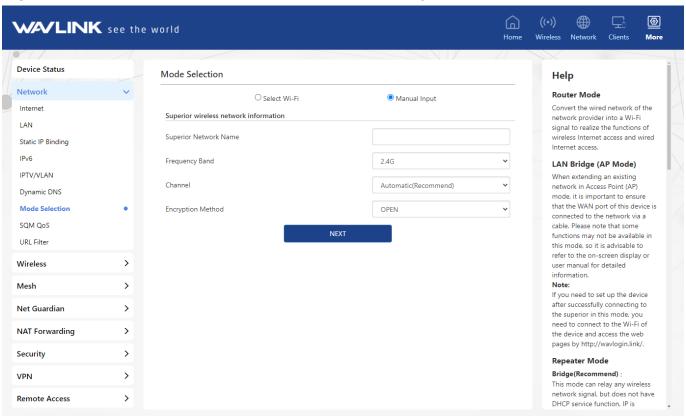
Select the Wi-Fi signal of the host router and click **NEXT**, if you didn't find the signal, click **RESCAN**. If the SSID(network name) is hidden, try to follow the guide of **Manual input(Point 6)**.



5. Follow the wizard to set the network information of the host router and this product.

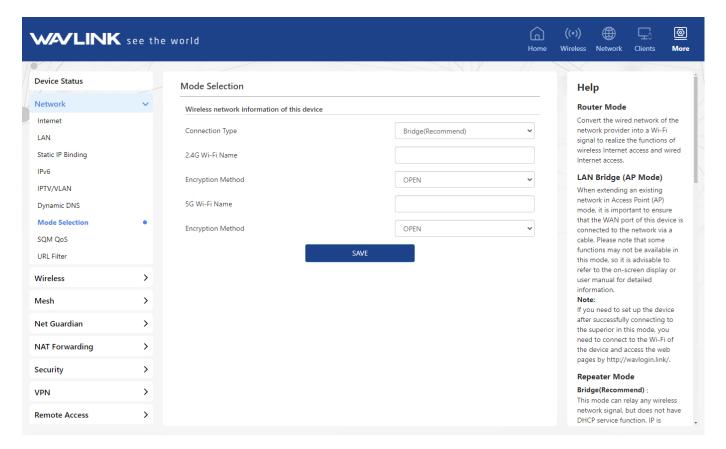


If the SSID(network name) of the host router is hidden, please try to select Manual input and enter the SSID of the host router manually.



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7. After setting the wireless information of the device, click **SAVE**.



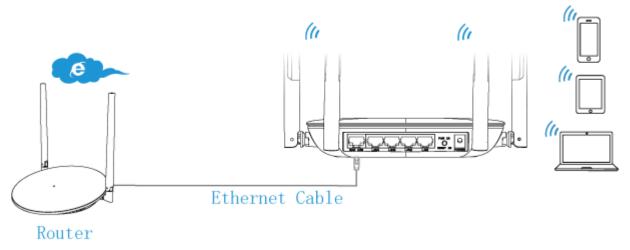
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8. Enjoy the network by reconnecting to the WiFi.

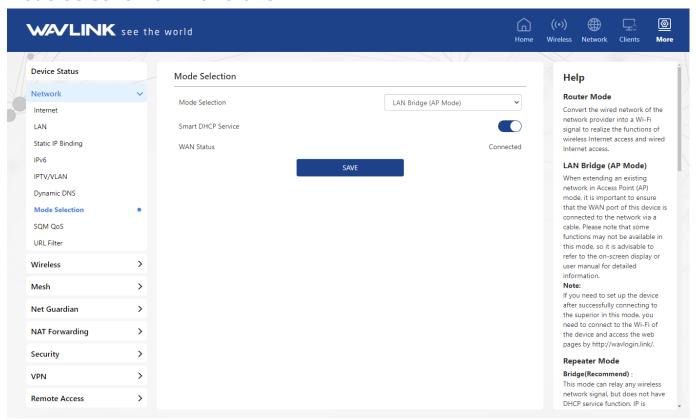
AP Setup Guide

Note: The device should be switched to AP Mode after initial setup.

1. If you want to change the router mode into AP mode, connect this device's WAN port to the host router's LAN port.

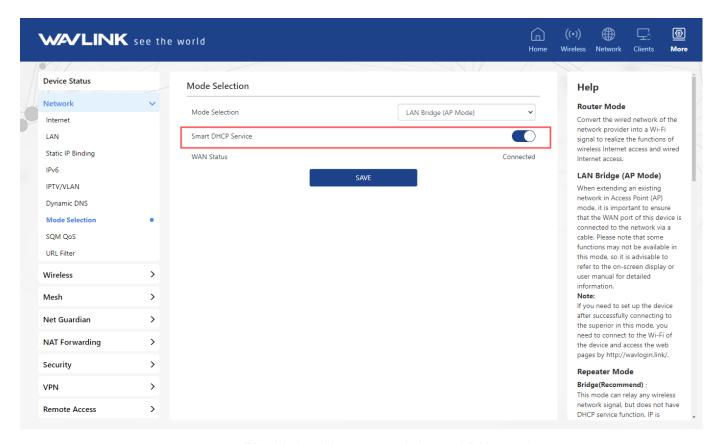


- 2. Launch a browser from your computer or smart phone and enter http://wavlogin.link in the address field not search bar.
- Click More>Network>Mode Selection, choose LAN Bridge(AP Mode) from the Mode Selectionlist. Then click SAVE.



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Note: By turning on Smart DHCP Serve, the router will automatically configure the IP service when no higher-level device is connected. If you do not need automatic IP configuration, you can turn off it.



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4. Enjoy the network by reconnecting to the WiFi.

Chapter 4 More Mesh Devices

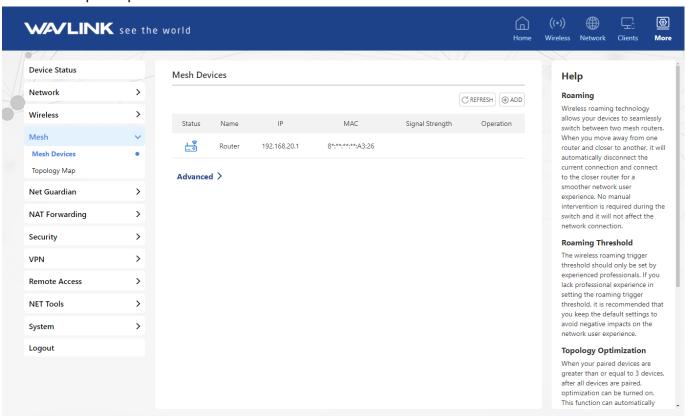
This chapter contains the following sections:

- Pairing on the Web
- Pairing with Pair Button

More Mesh Devices

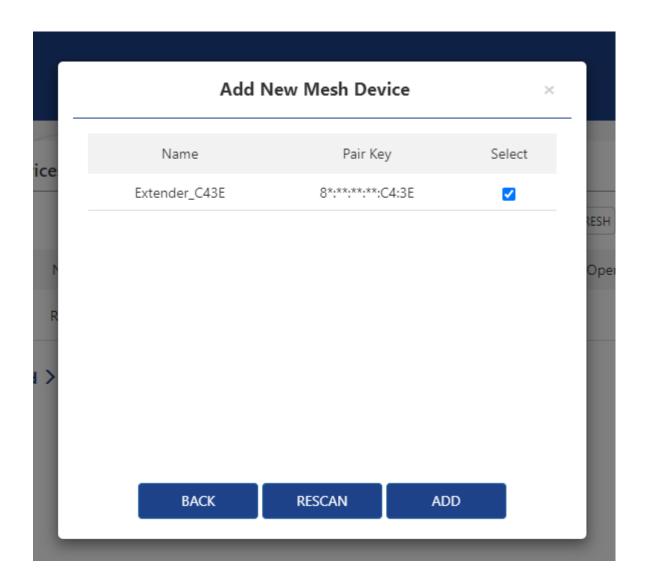
Pairing on the Web

 Enter http://wavlogin.link in the address field not search bar. Click on More>Mesh>Mesh Devices and select Mesh Table. Then click on ADD and then follow the prompts on the screen.



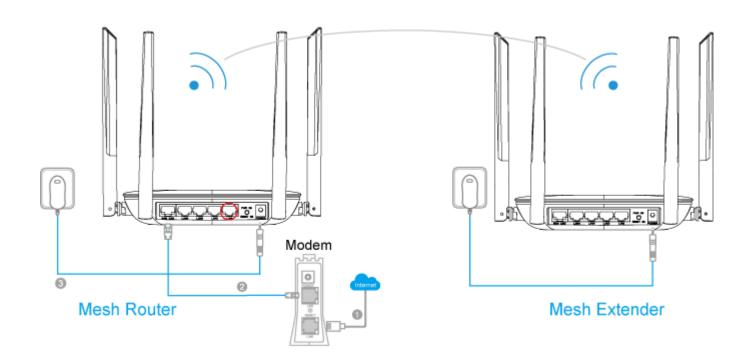
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 After scanning, please make sure the device you want to add is listed, and click ADD. If not, make sure the Mesh extender to be added is in a paired state, then click RESCAN.



Pairing with Pair Button

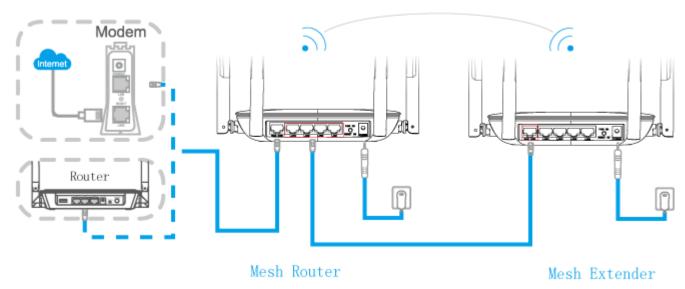
After configuring the main router and when the main router has the Internet, press and hold the pair button for both the main router and the mesh extender for 2 seconds. If you hold down the Pair button for 2 seconds, the Light will start to blink slowly in blue, but it won't turn solid until the Pair is successful.



Chapter 5 LAN Backhaul

LAN Backhaul

1. If your wireless signal weakens because of complex environment, you can try the second option **LAN Backhaul**.



2. After mesh router is paired with mesh extender section, please connect the **WAN** port of the extender to **LAN** port of your router.

Chapter 6 Firmware Update

This chapter contains the following sections:

- Local Upgrade
- Online Upgrade

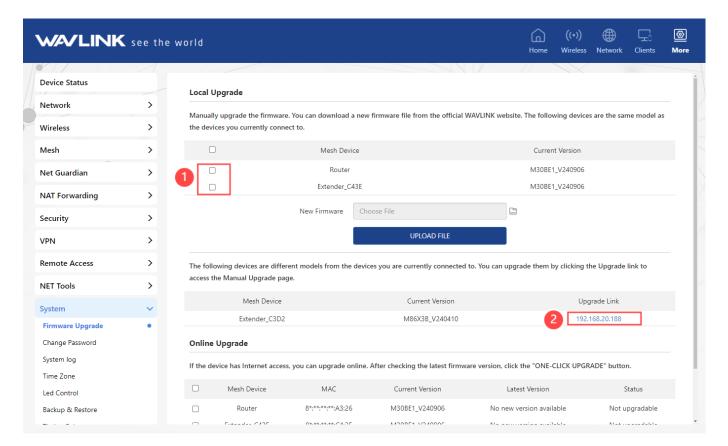
Firmware Upgrade

Firmware Upgrade can fix bugs of the router. However, we don't recommend you to upgrade the firmware, if the router works properly.

Local Upgrade

- 1. Download the latest firmware from the official website.
- 2. Enter http://wavlogin.link in the address field not search bar.
- 3. Click More>System>Firmware Upgrade.
- 4. Click on file icon to locate the extracted firmware file.
- 5. Click on **Upload Upgrade** and choose **Apply**, and wait for the firmware upgrade process to complete.

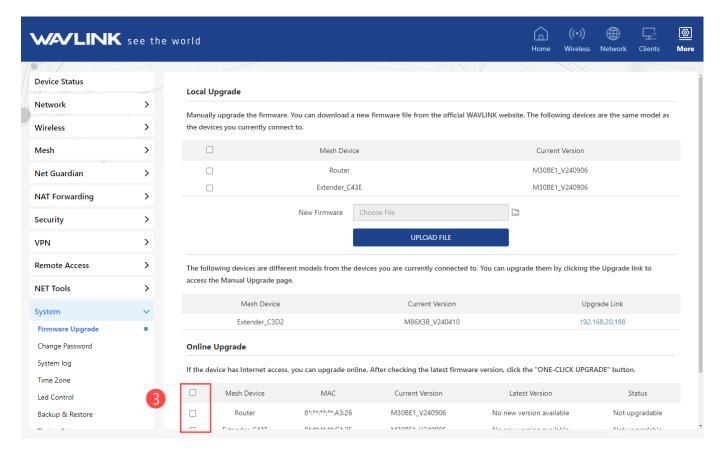
If your all mesh devices are same model, you can check and upgrade your devices together at ①. If the model of your devices are not same, please visit the web interface of each device and upgrade it in ②.



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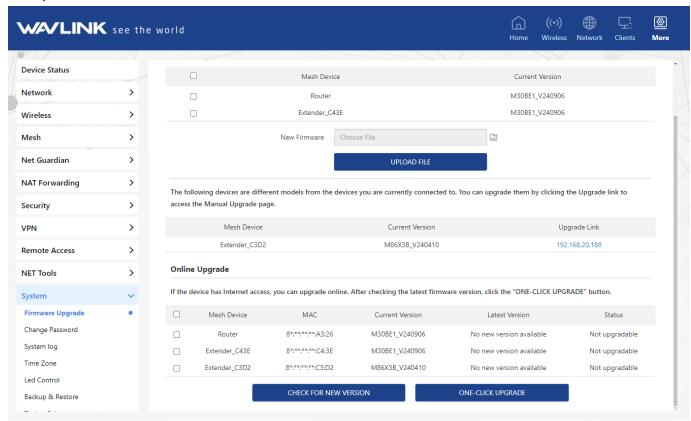
Online Upgrade

- 1. Enter http://wavlogin.link in the address field not search bar.
- 2. Click More>System>Firmware Upgrade.
- 3. Select the Mesh Node Name in **3** that needs to be upgraded.



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- 4. Click on **Check for new version** to find the latest version.
- Click on One-Click Upgrade, and wait for the firmware upgrade process to complete.



Note: After updating firmware, please **Reset The Device And Clear Your Browser** Cache.

What is firmware upgrade and why do I need it?

Firmware fixes bugs for your device, contains new features, and improves the experience of using the product. For your device update and security, please ask us for help. Wrong upgrade may damage your device and void the product warranty.

Chapter 7 FAQ

This chapter contains the following sections:

- FAQ
- GNU
- After-sale-Service

FAQ

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

- Please make sure your computer is set to obtain an IP address automatically.
- Verify if http://wavlogin.link is correctly entered in the web browser.
- Use another web browser and try it again.
- Reboot your router and try it again.
- Try to use 192.168.10.1 to login the management page.

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

- Please check if the Internet is working normally by connecting a computer directly to the modem with an Ethernet cable. If it is not, contact your internet service provider.
- Open a web browser, enter http://wavlogin.link and run the quick setup again.
- Reboot your router and try again.

Q3. How can I restore the router to its factory default settings? While the router is powered on, press and hold the RESET button for more than 6 seconds.

Q4. What can I do if I forget my Administration Management password?

• Refer to FAQ:Q3 to reset the router.

Q5.What can I do if I forget my wireless network password?

• Log in the router's web management page at http://wavlogin.link and go to Wireless, you can find your Wi-Fi password here.

Q6. How to deploy the router to get the best Wi-Fi signal? -Keep the router in the most central spot in your home and away from anything that might block its signal.

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http://www.gnu.org/licenses/old-licenses/lgpl-2.0.html

http://www.gnu.org/licenses/gpl.html

WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

After-sale Service

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)



+18889730883 (US Local)

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

www.wavlink.com



Thank you for purchasing

WAVLINK product!

Chapter 8 Safety and Emission Statement

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

NOTE:

(1)The manufacturer is not responsible for any radio or TV interference caused by unaut horized modifications to this equipment. (2)To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity Hereby, Winstars Technology Limited, declares that the radio equipment type Skyline Stream5 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet add ress:https://www.wavlink.com/en_us/ce.html

FCC Statement This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.