# WAVLINK
see the world

## QUICK START GUIDE
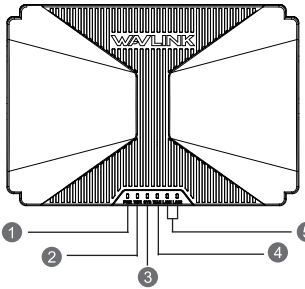WiFi 6 AX3000 Dual Band Gigabit Mesh Router

www.wavlink.com/en_us/MIGHTY-EX1
Scan the QR code or load the link for
Quick Start Guide downloading

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

MIGHTY-EX1

01

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## Overview

① Power LED
② WiFi LED
③ SYS LED
④ 1 x WAN Port LED
⑤ 2 x LAN Port LED
⑥ 2 x LAN Port
⑦ 1 x WAN Port
⑧ Power Port
⑨ PAIR/Reset Button

**PAIR Button:**
Press and hold for 2 seconds to pair with the existing Mesh Wi-Fi system.
**Reset Button:**
Press and hold for at least 6 seconds to reset the router.

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## LED Indicators

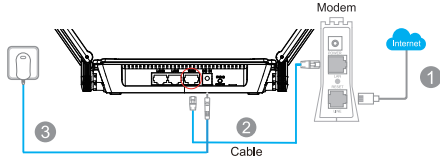| LED | Status | Description |
|---|---|---|
| WiFi | Solid on | WiFi enabled |
| | Off | WiFi disabled |
| WAN | Blinking | The WAN port is transmitting or receiving data |
| | Off | The WAN port is not connected properly |
| LAN1/2 | Blinking | The LAN port is transmitting or receiving data |
| | Off | The LAN port is not connected properly |
| Power | Solid on | Powered on |
| | Off | Powered off |
| SYS | Fast flashing | The device has no internet connection |
| | Slow flashing | The device is pairing |
| | Solid on | The device has internet connection |

## Basic Info

Default IP: 192.168.10.1
Default Password: admin
Login: http://wavlogin.link
Mesh SSID: WAVLINK-Mesh_XXXX
Official Website: www.wavlink.com
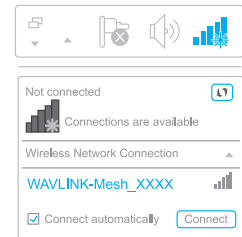Technical Support: support@wavlink.com

02

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## Setup Guide

1. Connect the router's **WAN** port to your Internet source, then plug the power adapter to a nearby electrical outlet.
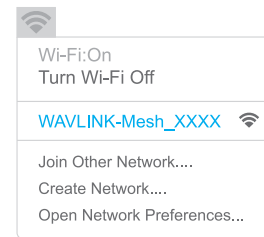
2. Connection
### 2.1 Via WiFi
Turn on Wi-Fi on your PC or smart phone and search SSID "WAVLINK-Mesh_XXXX", then connect to it; after that you can start configuring.
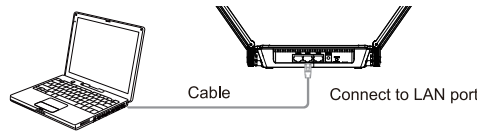
Not connected
Connections are available
Wireless Network Connection
WAVLINK-Mesh_XXXX
☑ Connect automatically  Connect

For Windows users

Wi-Fi:On
Turn Wi-Fi Off
WAVLINK-Mesh_XXXX
Join Other Network....
Create Network....
Open Network Preferences...

For Mac users

03

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### 2.2 Via Cable

Cable    Connect to LAN port
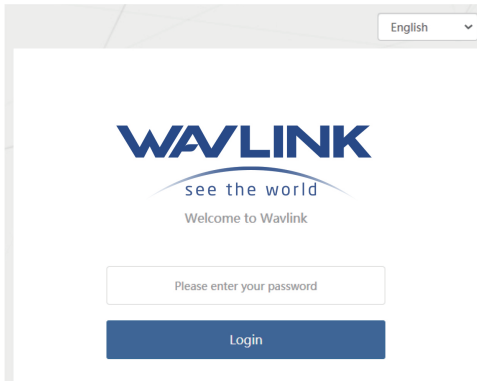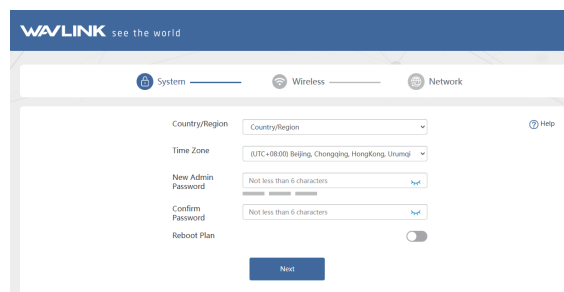
Connect your computer to the router's LAN port via an Ethernet cable, then you can start configuring.

3. Launch a browser from your laptop/PC or smart phone and enter http://wavlogin.link or 192.168.10.1 in the address field. The default password is admin (all lowercase).

English

# WAVLINK
see the world
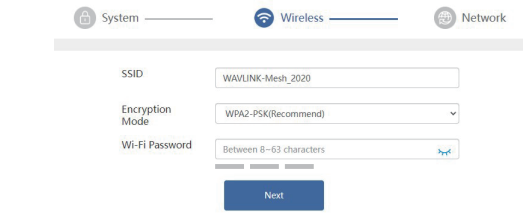Welcome to Wavlink

Please enter your password

Login

4. Select your **Country/Region** and **Time Zone**. For your network security, we suggest that you set a new login password (**New Admin Password**).

04

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Country/Region
Time Zone
New Admin Password
Confirm Password
Reboot Plan

Next

*Note: The three colored bars in "**New Admin Password**" area indicate the strength of the login password.

5. Then you can change your **SSID** or use the default one. As for **Encryption Mode**, if your device supports WPA3/WPA2, we suggest you choose "**WPA3-PSK/WPA2-MIX**". For network security, please set a **Wi-Fi Password** according to the rules.When the settings are complete, click "**Next**".
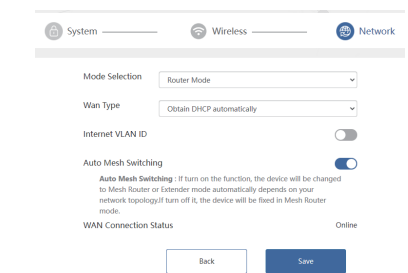
SSID            WAVLINK-Mesh_2020
Encryption Mode  WPA2-PSK(Recommend)
Wi-Fi Password   Between 8~63 characters

Next

6. The system will guide you to the Network page.
6.1 Router Mode
Please choose a **WAN Type**.

05

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Mode Selection    Router Mode
Wan Type          Obtain DHCP automatically
Internet VLAN ID
Auto Mesh Switching
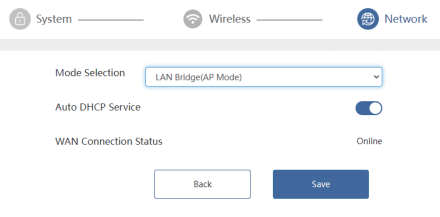                  WAN Connection Status    Online

Back    Save

**Which WAN Type am I supposed to choose?**
**PPPoE:** If you use DSL line and have an account name and a password from your ISP.
**DHCP (Dynamic):** If you use the other Internet type.
**Static IP:** If you have an IP address from the ISP.

6.2 LAN Bridge (AP Mode)
Select **LAN Bright (AP Mode)** in the **Mode Selection**.Click"**Save**".

Mode Selection    LAN Bridge(AP Mode)
Auto DHCP Service
                  WAN Connection Status    Online

Back    Save

**Tips:** After configuring 6.1 or 6.2, please disconnect the WiFi, wait 2 minutes and reconnect the SSID and enter the wifi password you set.
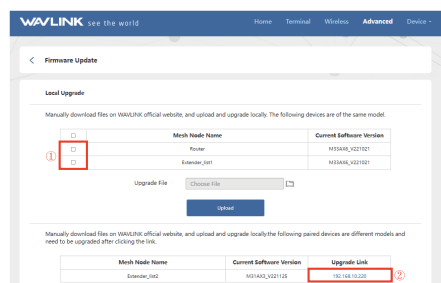
06

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## Firmware Upgrade

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

### Option Ⅰ
**Local Upgrade**

1. Download firmware from "www.wavlink.com" and extract the firmware from the compressed file.

2. Log in to 192.168.10.1 or http://wavlogin.link, then choose "**Advanced**" and select "**Firmware Update**".

3. Choose the firmware,click "**Upload**" and "**Apply**", wait for upgrade process to finish.

① If all your mesh devices belong to the same model, you can upgrade all of them at once.
② If your mesh devices are different models, please visit www.wavlink.com to download firmware and upgrade for each model.
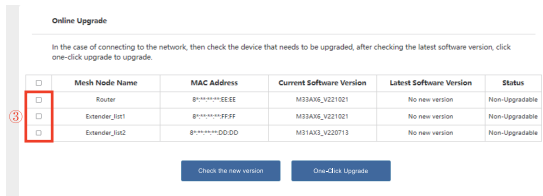
07

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### Option Ⅱ
**Online Upgrade**

1. Log in to 192.168.10.1 or http://wavlogin.link, then choose "**Advanced**" and select "**Firmware Update**".

2. Select the **Mesh Node Name** in ③ that needs to be upgraded.

3.Click on "**Check the new version**" to find the latest version.

4.Click on "**One-Click Upgrade**", and wait for the firmware upgrade process to complete. Please wait patiently for 2-5 minutes.

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.
For more details, please visit our website www.wavlink.com and our technical support: support@wavlink.com.
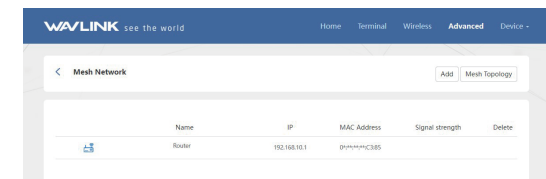
08

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## Add More Mesh Devices

If you need to add more mesh devices to build up a stronger network in your home, you simply can pair the new mesh devices with the existing network.The mesh router is capable of connecting up to 6 mesh nodes to create a Mesh network.
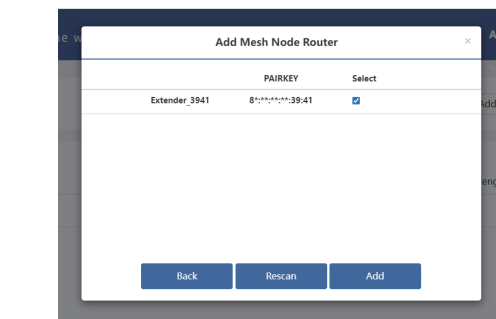
### Pairing on the Web
1. Log in to http://wavlogin.link or 192.168.10.1.
2."**Advanced**" -> "**Mesh Network**".
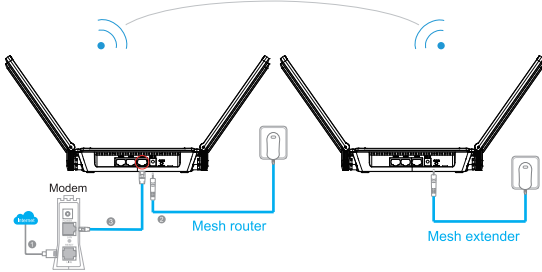3. Click on "**Add**" and then follow the prompts on the screen. Press the Pair button for the device to be added.

4. After scanning, please make sure the device you want to add is listed, and click "**Add**", if it isn't, please click "**Rescan**".

09

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Add Mesh Node Router
PAIRKEY    Select
Extender_3941    8*:**:**:**:39:41  ☑

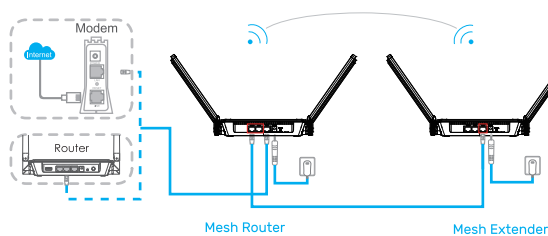Back    Rescan    Add

### 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. When SYS LED light starts to flash slowly, the pairing process is successfully completed.

Mesh router    Mesh extender

10

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## LAN Backhaul

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

Modem
Router
Mesh Router    Mesh Extender

2. After mesh router is paired with mesh extender section, please 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?**
- Make sure your PC is set to obtain IP address automatically.
- Please make sure you entered the URL.
- If log in by phone and the log-in page doesn't appear, turn off your mobile network and try again.

11

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**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 192.168.10.1 or http://wavlogin.link, 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 log-in password?**
- Please reset the device, the default password is admin.

**Q5. How can 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. Why the traffic data is inaccurate?**
- Hardware NAT is activated by default to lower CPU loading and improve network performance, which leads to absence of traffic monitoring, therefore traffic data is not accurate. If you need it to be accurate, can turn off Hardware NAT.

Official website: www.wavlink.com
Technical support: support@wavlink.com