85 mm

125 mm

WAVLINK

see the world

Quick Start Guide

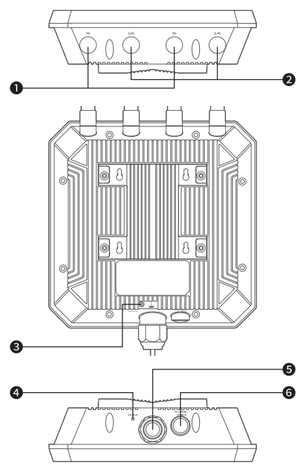
Wireless AP/Repeater

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

WS-WN573HX3

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

Hardware Overview



❶ 5G Antenna
❷ 2.4G Antenna
❸ Grounding Terminal
❹ Status LED
❺ WAN/LAN Port (PoE)
❻ Pair/Reset Button

Reset Button

Press and hold for 6 seconds to restore the device to default settings.

Pair Button

Press and hold for 2 seconds to pair with the existing Everything Mesh Wi-Fi system.

Default Parameters

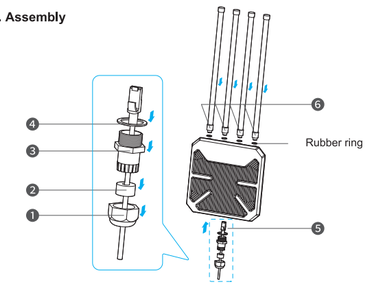
2.4G SSID: WAVLINK-AX_XXXX
5G SSID: WAVLINK-AX_5G_XXXX
Default IP: 192.168.30.1
Login: http: //waplogin.link
Default Login Password: admin
Official Website: www.wavlink.com
Technical Support: support@wavlink.com

LED Indicator

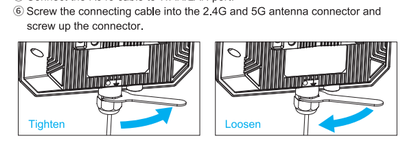
Mode	LED Status	Description
Router Mode	Slow blinking	No Internet/The device is in pair.
	Solid on	The device has connected to the Internet.
Repeater Mode	Slow blinking	The device has connected to the upstream router but no access to the Internet.
	Solid on	The device has connected to the upstream router and the Internet has been connected.
	Fast blinking	The device has not connected to the upstream router.
Mesh Extender Mode	Slow blinking	The device has connected to the upstream router but no access to the Internet.
	Solid on	The device has connected to the upstream router and the Internet has been connected.
	Fast blinking	The device has not connected to the upstream router.
AP Mode	Solid on	The device has connected/disconnected to the Internet.

Installation

1. Assembly



① Pass the RJ45 cable through the waterproof connector cover.
② Screw the waterproof seal into the waterproof connector bracket.
③ Pass the RJ45 cable through the waterproof connector bracket, and screw the waterproof connector bracket into the cover.
④ Put the waterproof sealing ring on the waterproof connector bracket.
⑤ Connect the RJ45 cable to WAN/LAN port.
⑥ Screw the connecting cable into the 2.4G and 5G antenna connector and screw up the connector.



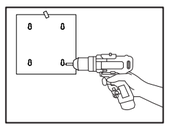
Note: Turn the wrench counterclockwise during assembly to tighten the bracket; Turn the wrench clockwise to loosen the bracket during disassembly.

2. Installation

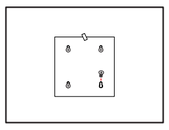
2.1 Outdoor Installation

Option1: Wall Mounting

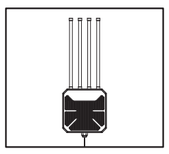
① Use a 6mm drill to make 4 holes of 2.5 cm depth in the wall according to the positioning card.



② Put the rubber plug into the hole and put in the screw. The screws should be left with a gap of about 5 mm.

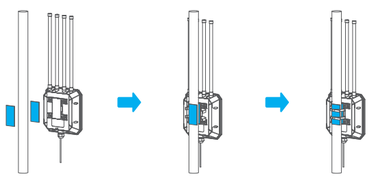


③ Hang the router to the screws through the wall mounting holes.



Option2: Pole Mounting

Fix the device to the post with cable ties, or fix the device to the wall with screws, then follow the assembly step to install.



Step 1: Stick two silicone pads on the bracket and post respectively.

Step 2: Thread the cable ties through the fixing point of the bracket.

Step 3: Fix the product to the post with cable ties.

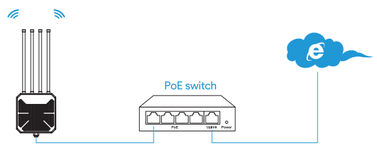
Note: If it is installed in an area where lightning occurs frequently, we recommend you to install the device via a ground connection to strengthen the lightning protection function.

Working Mode

This AP supports two work modes: FAT mode and FIT mode.
Here is a brief introduction to the two work modes:

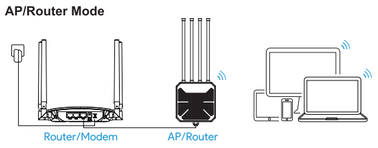
Case 1: FAT AP

- FAT mode refers to that the AP can be independently configured and has a separate management interface, just like a regular wireless AP.
- FAT mode is primarily used in small networks that do not use an AC Controller.

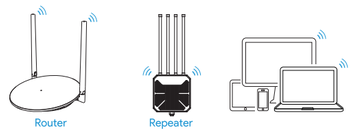


Here are several typical work modes for Fat AP:

AP/Router Mode

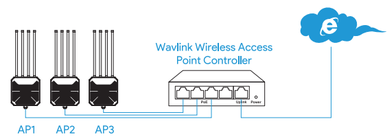


Repeater Mode



Case 2: FIT AP

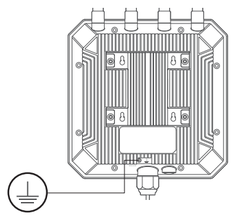
FIT mode refers to that the AP is centrally controlled and managed by the WAVLINK AC (Wireless Access Point Controller).
If it works as a Fit AP, which is typically responsible only for data transmission and basic radio frequency management. All network decisions, configurations, security, and traffic control operations are handled by the WAVLINK AC Controller.
Fit APs are typically used in an AC+AP network architecture and can only be utilized with the WAVLINK wireless access point controller, as shown in the diagram below.



FIT mode is ideal for larger networks with broader coverage, large number of users, and a need for efficient network performance and enhanced security.

Lightning and ESD Protection

Lightning and ESD Protection is important for safety, so proper grounding is extremely important for outdoor devices.
To reduce potential damage from lightning strikes and ESD, please use a suitable grounding wire to connect the grounding terminal to the grounding facility before installing this product. And the grounding wire should meet the local installation requirements. You should use screws to secure the grounding wire to the grounding terminal.

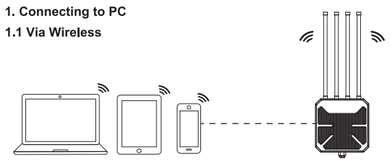


Grounding Terminal

Configuration(FAT AP Mode)

1. Connecting to PC

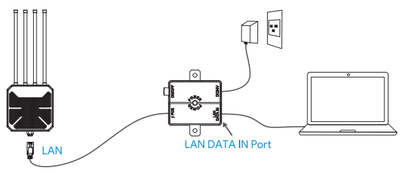
1.1 Via Wireless



① Disconnect the Ethernet cable from your computer (if you have one).
② Turn on your WiFi, find the SSID of this product on your wireless devices(smartphone, tablet computer, laptop, et.) and place a connection.

For Windows users For Mac users

1.2 Via Cable

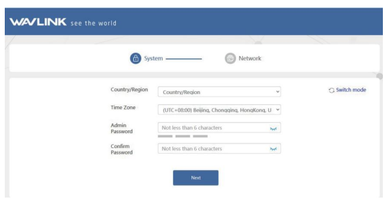


① Connect the Ethernet cable to your PC/Laptop and the LAN DATA IN port of your PoE converter, then you can start the configuration of the device.

If you are using the AP/Router function of this device, please connect the LAN DATA IN Port to the LAN port of the upper router after finishing 4.1 and 4.3.

2. Normally the product web UI will guide you to the "**login**" page once you have connected to the device successfully in your first time, but if it doesn't, please manually input 192.168.30.1 or waplogin.link in the address bar of your browser on PC/laptop or phone, the default password is admin.

3. Select your **Country/Region** and **Time Zone**. For your network security, we suggest that you set a new login password.



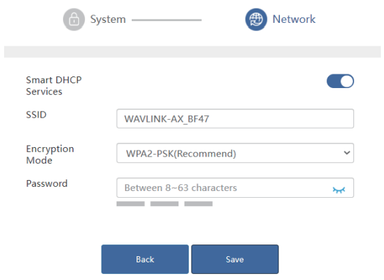
Note: The three colored bars in "**Admin Password**" area indicates the strength of the login password.

4. Mode Selection

This product has 4 modes. Click "**Switch mode**" to switch mode.

4.1 AP Mode

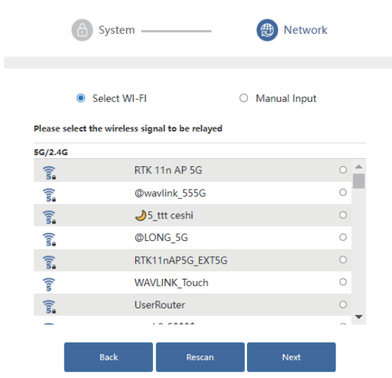
1. The system selects AP mode by default, there is no need to select the AP mode manually. Click on "**Next**".
2. Connect the WAN/LAN port of this product to the PoE and connect the LAN DATA IN port of the PoE box to the host router via Ethernet cable. Then you can change the SSID or use the default one, the encryption mode recommend is **WPA2-PSK**. For your network security, please create a new password according to the rule. Then click on "**Save**" and wait for the setting process to complete.



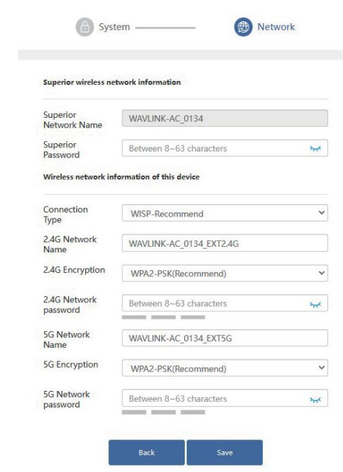
4.2 Repeater Mode

Click "**switch Mode**" and select **Repeater Mode**.

1. After scanning, please make sure the Wi-Fi you want to select is listed, and click "**Next**", if it isn't, please click "**Rescan**".

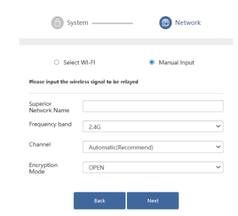


2. Enter the password for the wireless network of your selected. Set the wireless network encryption mode and password for this device. Click "**Save**".

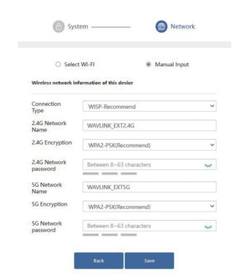


Manual Input:

1. Manually add the wireless network you want to relay, enter the device information, and click "**Next**".

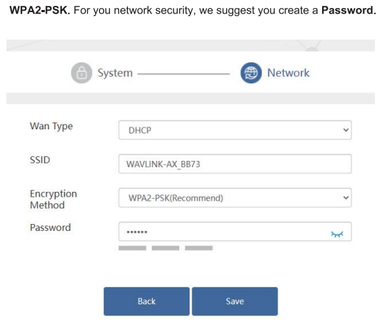


2. Set the wireless network encryption mode and password for this device. Click "**Save**".



4.3 Mesh Router Mode

1. Click on "**Switch mode**", then choose "**Mesh Router Mode**".
2. Before configuring, please make sure your upper router has connected to the WAN/LAN port of this product. The system will guide you to select the **WAN Type**. As for the **Encryption Mode**, we recommend you to select **WPA2-PSK**. For your network security, we suggest you create a **Password**.



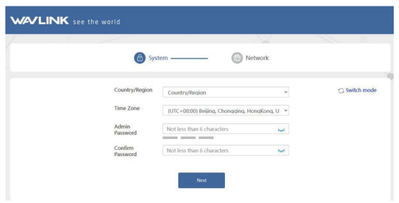
Which WAN Type am I supposed to choose?

If you use DSL line and you are only provided an account name and a password by your ISP, choose **PPPoE**. If you use cable TV or fiber cable, choose **DHCP(Dynamic IP)**. If you are provided information such as IP address, Subnet Mask and Default Gateway, choose **Static IP**.

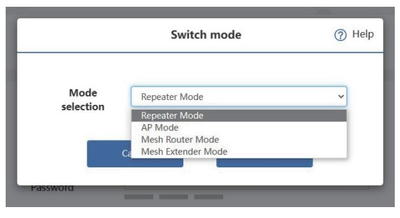
4.4 Mesh Extender Mode

If you have a router that supports WAVLINK Everything Mesh function, then you can build a mesh system with this mode.

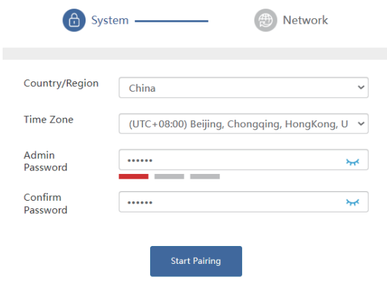
1. Click on "**Switch mode**".



2. Please choose "**Mesh Extender Mode**".



3. Select your **Country/Region** and **Time Zone**. Enter the **Admin Password**. Click on "**Start Pairing**".



When the device enters the pairing state, please keep pressing the PAIR button 2s of the primary router or add the mesh device in the primary router configuration page, the pairing time is expected to be 2 minutes. If the pairing fails, check whether the primary router is set correctly, and then enable re-pairing via the pairing button or re-enter this device page. If you want to switch to another mode when you have successfully configured Mesh Extender Mode, please reset this device.

FAQ

Q1. Why doesn't the login page appear after entering http://waplogin.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 computer is set to obtain an IP address automatically.
- Use the IP address to log in to the page. The default IP is 192.168.30.1. If the device is connected to the host Wi-Fi, please go to the router's DHCP client list to obtain the device's current IP address.
- If the problem still exists, please reset the device again.

Q2. How do I restore the device to its factory default settings?

- While the device is powered on, press and hold the **Reset Button** until all the LEDs turn on momentarily.

Q3. What should I do if the LED does not change to solid after completing?

- You may have entered the incorrect Wi-Fi password of your host Wi-Fi during the configuration. Please log into the device's web-based interface to check the password and try again.
- Reset the device and go through the configuration again.

For more details, please refer to www.wavlink.com.

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.

FCC Requirement

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

Note: 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 or more 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

名称：WN573HX3说明书WAVLINK-E1	
成品尺寸：85x125 mm	展开尺寸：425x250 mm
材质工艺：105g铜版纸+四色印刷，正反印, 横一折, 竖四折	
制作时间：2023.04.24	制图：庞青伟
修改记录：2023.12.11 再次走流程后,修正了一些文案	