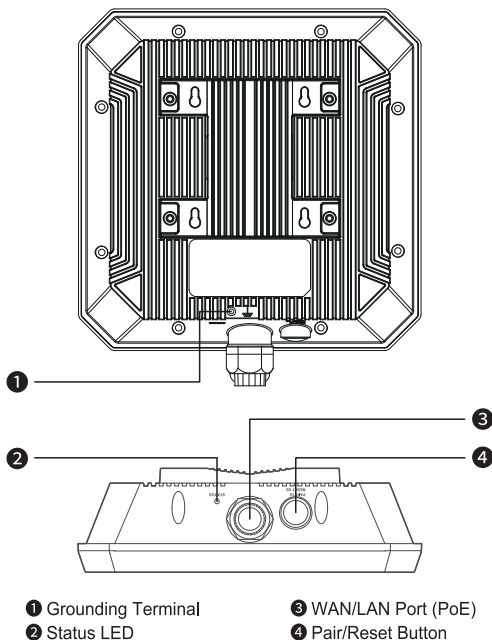


Hardware Overview



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

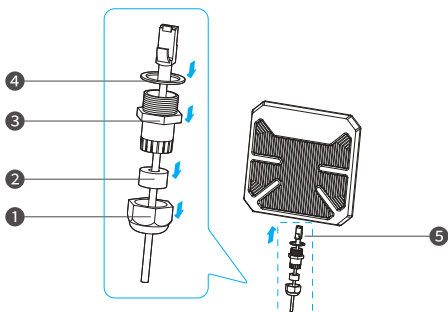
Technical Support: support@wavlink.com

LED Indicator

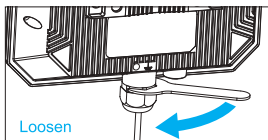
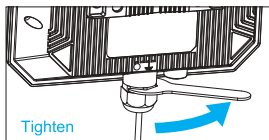
Mode	LED Status	Description
Router Mode	Slow blinking	No Internet/The device is in pair.
	Solid on	The device has connected to the Internet.
Repeater Mode	Slow blinking	The device has connected to the upstream router but no access to the Internet.
	Solid on	The device has connected to the upstream router 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.

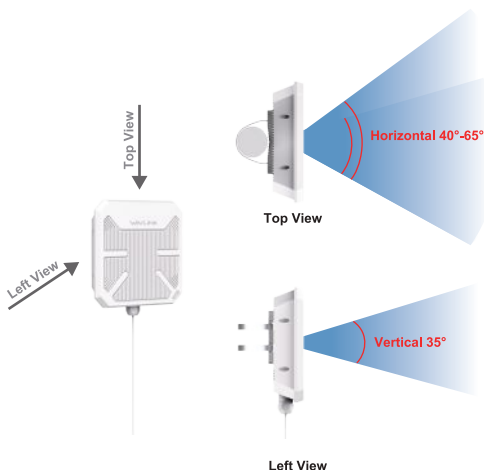


Note: Turn the wrench counterclockwise during assembly to tighten the bracket; Turn the wrench clockwise to loosen the bracket during disassembly.

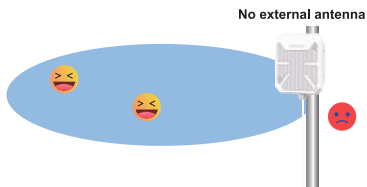
2. Installation

Before installing outdoor, you should know:

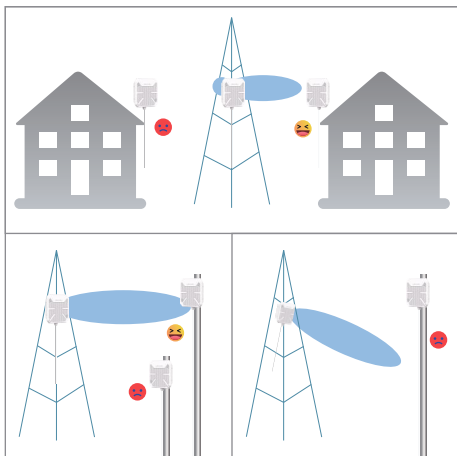
1. This outdoor AP is designed for point-to-point transmission over long distances, for better signal coverage, approximately 40° to 65° horizontally and 35° vertically from the front of the AP is required for signal acquisition at receiver points and wireless clients.



2. Repeater mode is not recommended at the signal launch point due to weak antenna signal behind the panel.



3. The AP panels of the signal receiving point and the signal transmitting point should be kept at the same height, and face each other without deviation.



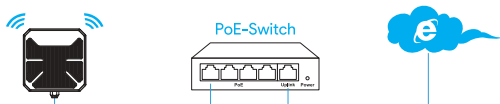
Working Mode

This AP supports two work modes: FAT mode and FIT mode.

Here is a brief introduction to the two work modes:

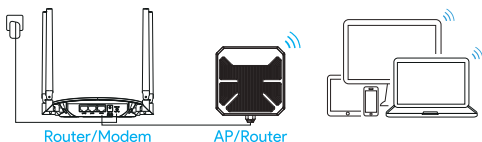
Case 1: FAT AP

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

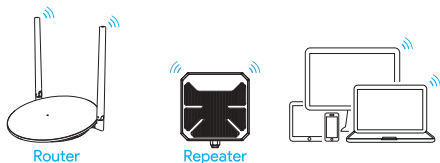


Here are several typical work modes for Fat AP:

AP/Router Mode



Repeater Mode

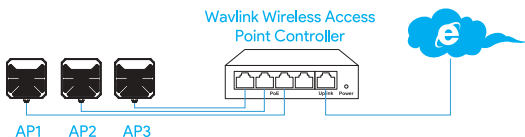


Case 2: FIT AP

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.

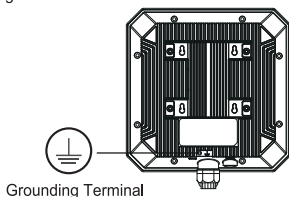


FIT mode is ideal for larger networks with broader coverage, large number of users, and a need for efficient network performance and enhanced security.

Lightning and ESD Protection

Lightning and ESD Protection is important for safety, so proper grounding is extremely important for outdoor devices.

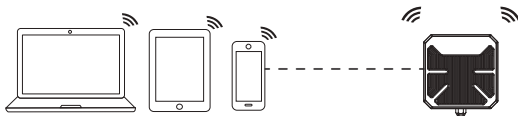
To reduce potential damage from lightning strikes and ESD, please use a suitable grounding wire to connect the grounding terminal to the grounding facility before installing this product. And the grounding wire should meet the local installation requirements. You should use screws to secure the grounding wire to the grounding terminal.



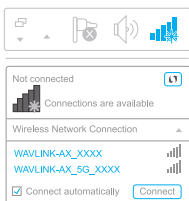
Configuration(FAT AP Mode)

1. Connecting to PC

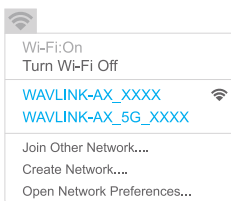
1.1 Via Wireless



- 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.

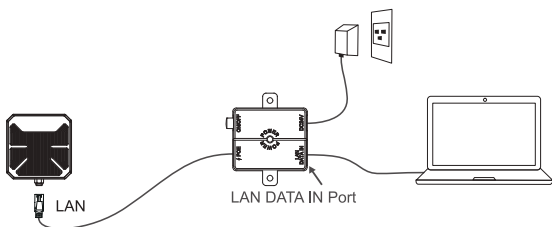


For Windows users



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. Technically speaking, 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 <http://waplogin.link> in the address bar of your browser on PC/laptop or phone, the default password is [admin](#).



Welcome to Wavlink

Please set up this device first!

Please enter your password

Login

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

The screenshot shows the 'System' configuration page. At the top, there are two tabs: 'System' (active) and 'Network'. Below the tabs, there are four fields: 'Country/Region' (a dropdown menu), 'Time Zone' (a dropdown menu showing '(UTC+08:00) Beijing, Chongqing, HongKong, U'), 'Admin Password' (a text field with a strength indicator showing three bars and a 'Next' link), and 'Confirm Password' (a text field with a strength indicator showing three bars and a 'Next' link). At the bottom, there is a blue 'Next' button.

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.

The screenshot shows the 'Network' configuration page. At the top, there are two tabs: 'System' and 'Network' (active). Below the tabs, there are four fields: 'Smart DHCP Services' (a toggle switch that is turned on), 'SSID' (a text field containing 'WAVLINK-AX_BF47'), 'Encryption Mode' (a dropdown menu showing 'WPA2-PSK(Recommend)'), and 'Password' (a text field with a strength indicator showing three bars and a 'Next' link). At the bottom, there are two blue buttons: 'Back' and 'Save'.

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**”.

System Netzwerk

☒ Wählen Sie WLAN ☐ Manuelle Eingabe

Bitte wählen Sie das zu übertragende Funksignal aus

96/2.4G

@WAVLINK_27_5G	☐
@gavin5g	☐
@WAVLINK_27_5G_EXT5G	☐
guest5	☐
work5	☐
WAVLINK_Touch	☐

Zurück **Weiter**

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

System Netzwerk

Superior wireless network information

Superior Network Name WAVLINK-AC_0134

Superior Password Between 8~63 characters

Wireless network information of this device

Connection Type WISP-Recommend

2.4G Network Name WAVLINK-AC_0134_EXT2.4G

2.4G Encryption WPA2-PSK(Recommend)

2.4G Network password Between 8~63 characters

5G Network Name WAVLINK-AC_0134_EXT5G

5G Encryption WPA2-PSK(Recommend)

5G Network password Between 8~63 characters

Back **Save**

Manual Input:

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

☐ Select Wi-Fi
 ☒ Manual Input

Please input the wireless signal to be relayed

Superior Network Name

Frequency band

2.4G

Channel

Automatic(Recommend)

Encryption Mode

OPEN

Back

Next

- Set the wireless network encryption mode and password for this device, Click"Save".

☐ Select Wi-Fi
 ☒ Manual Input

Wireless network information of this device

Connection Type

WISP-Recommend

2.4G Network Name

WAVLINK_EXT2.4G

2.4G Encryption

WPA2-PSK(Recommend)

2.4G Network password

Between 8-63 characters

5G Network Name

WAVLINK_EXT5G

5G Encryption

WPA2-PSK(Recommend)

5G Network password

Between 8-63 characters

Back

Save

4.3 Mesh Router Mode

- Click on "**Switch mode**", then choose "**Mesh Router Mode**".
- 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 you network security, we suggest you create a **Password**.


System


Network

Wan Type

Obtain DHCP automatically

SSID

WAVLINK-AX_BF47

Encryption Mode

WPA2-PSK(Recommend)

Password

Between 8–63 characters

Back

Save

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**”.


System


Network

Country/Region

Country/Region

Time Zone

(UTC+08:00) Beijing, Chongqing, HongKong, U

Admin Password

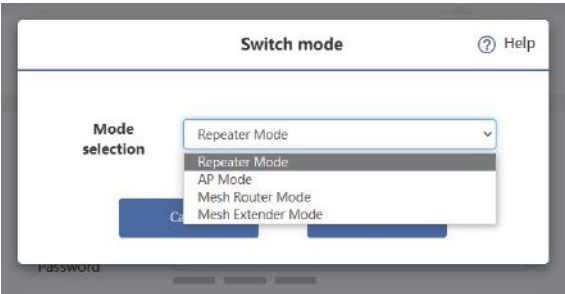
Not less than 6 characters

Confirm Password

Not less than 6 characters

Next

2. Please choose “Mesh Extender Mode”.



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

 System

 Network

Country/Region

China

Time Zone

(UTC+08:00) Beijing, Chongqing, HongKong, U

Admin Password



Confirm Password



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.

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.

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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.

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)

www.wavlink.com



**Thank you for purchasing
WAVLINK product!**