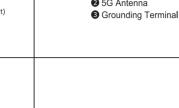


Quick Start Guide AX3000 Wi-Fi 6 Outdoor **Access Point**

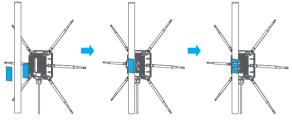


www.wavlink.com/en us/AERIAL-HD9S Scan the QR code or access the link for Quick Start Guide downloading





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.

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.

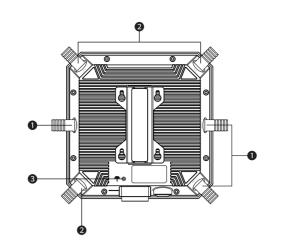
Here is a brief introduction to the two work modes

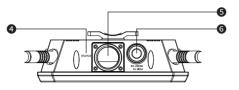
- FAT mode means that the AP can be independently configured and has a

separate management interface, just like a regular wireless AP. - FAT mode is primarily used in small networks that do not use an AC Controller.

05

Hardware Overview





1 2.4G Antenna 2 5G Antenna

Here are several typical work modes for Fat AP

AP/Router Mode

 Status LED **6** WAN/LAN Port (PoE) 6 Pair/Reset Button

01

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

Default Parameters

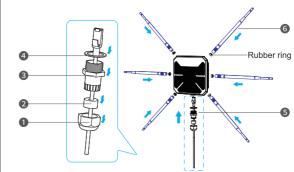
2.4G SSID: WAVLINK-AX_XXXX Default Login Password: admin 5G SSID: WAVLINK-AX_5G_XXXX Official Website: www.waylink.com Default IP: 192.168.30.1 Technical Support: support@wavlink.com Login: http://waplogin.link

LED Indicator

Mode	LED Status	Description	
Router Mode	Slow blinking	No Internet/The device is in pair.	
Router wode	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.	

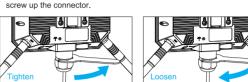
Installation

1. Assembly



1) Pass the RJ45 cable through the waterproof connector cover

- 2 Screw the waterproof seal into the waterproof connector bracket $\ensuremath{\ensuremath{\mathfrak{3}}}$ 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



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

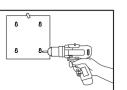
03

2. Installation

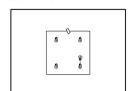
2.1 Outdoor Installation

Option1: Wall Mounting

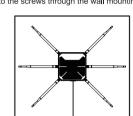
① Use a 6mm drill to make 4 holes of 2.5 cm depth in the wall according to the positioning card



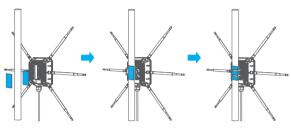
② Put the rubber plug into the hole and put in the screw. The screws should be left with a gap of about 5 mm.



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



Option2: Pole Mounting



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

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

Working Mode

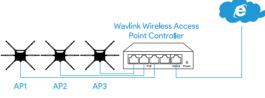
This AP supports two work modes: FAT mode and FIT mode

Case 2: FIT AP

FIT mode means that the AP is centrally controlled and managed by the WAVLINK AC (Wireless Access Point Controller).

If it work 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.

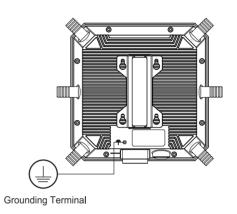


FIT mode is ideal for larger networks with broader coverage, a higher number of users, and a need for efficient network performance and enhanced security.

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)

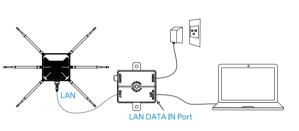
1. Connect the device 1.1 Via Wireless



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.



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

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 http://waplogin.link in the URL bar (not the search bar) of your browser on PC/laptop or phone, the default nassword 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".

0	System ———	(i) Ne	rtwork
	Select WI-FI	Manual Ir	nput
Please select t	the wireless signal to be re	layed	
T.	NETGEAR96-5G-1		*:
Ŧ	5050_5G		0
T	WAVLINK_Touch		0
Τ.	zzz_k3_5\$\$\$\$		0
7	NETGEARSG-Gue	st18#\$%^&*0_+-=[0
	CK-579-EAR96-2	G.	0
T.			
T.	@CKxm5G		0

2. Enter the password for the wireless network of you 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 connect, enter the device information, and click "Next".



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

○ Selec	t WI-FI ® Manual In	put
Wireless network in	formation of this device	
Connection Type	WISP-Recommend	v
2.4G Network Name	WAVLINK_EXT2.4G	
2.4G Encryption	WPA2-PSK(Recommend)	٧
2.4G Network password	Between 8~63 characters	hyel
5G Network Name	WAVLINK_EXTSG	
5G Encryption	WPA2-PSK(Recommend)	٧
5G Network password	Between 8~63 characters	byel

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 you 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.

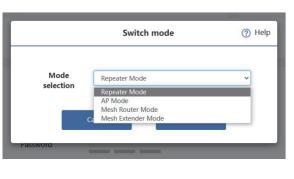
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4.4 Mesh Extender Mode

If you have a router that supports WAVLINK Everything Mesh function, then you 1. Click on "Switch mode".



2. Please choose "Mesh Extender Mode".



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3. Select your Country/Region and Time Zone, Enter the Admin Password. Click on "Next".



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.

More Mesh Devices

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. Log in to waplogin.link or 192.168.30.1. 2. "Advanced" -> "Mesh Network".

3. Click on "Add" and then follow the prompts on the screen.



4. After scanning, please make sure the device you want to add is listed, and click "Add".If not, make sure the Mesh extenter to be added is in a paired state. Click: "Rescan".



Pairing with Pair Button

After configuring the main router and when the main router has the network. press and hold the pair button fot both the main router and the mesh extender for 2 seconds. When LED lights become solid blue, the pairing process is successully completed.

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 stll 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.

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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.

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

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