

## 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:

- The equipment has been exposed to moisture.
- The equipment has been dropped and damaged.
- The equipment has obvious sign of breakage.
- The equipment has not been working well or you cannot get it work according to Quick Start Guide.

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## Disclaimer

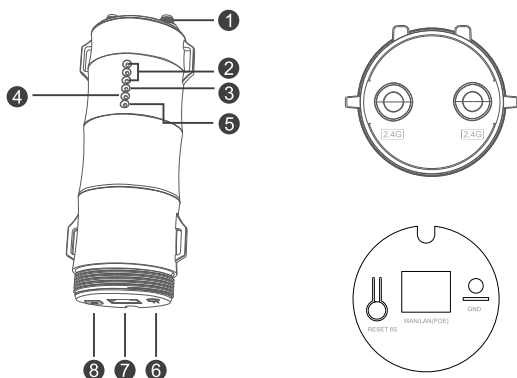
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### WEEE Directive & Product Disposal



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.

## Hardware Overview



- ① RP-SMA Antenna Connectors
- ② 3 x Wi-Fi Signal LEDs
- ③ Wi-Fi LED
- ④ WAN/LAN LED
- ⑤ POWER LED
- ⑥ Reset Button
- ⑦ WAN/LAN Port (POE)
- ⑧ Grounding Terminal

## Default Parameters

Default IP: [192.168.10.1](http://192.168.10.1)




Login URL : <http://waplogin.link>

Default Password: [admin](#)

2.4G SSID: [WAVLINK-N\\_XXXX](#)

Technical Support: [support@wavlink.com](mailto:support@wavlink.com)

## Wi-Fi Signal

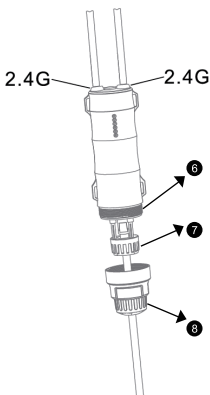
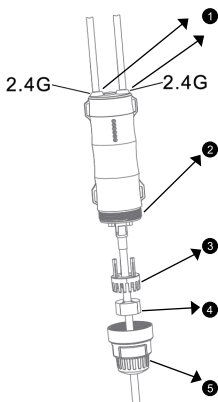
Mode				Description
AP/Router	ON	ON	ON	Wi-Fi signal output power 100%.
Repeater	ON	ON	ON	Better reception: signal 81%~100%.
	ON	ON	OFF	Good reception: signal 60%~80%.
	ON	OFF	OFF	Weak reception: signal below 0~59%.
	Flashing	OFF	OFF	Disconnected.

## LED Indicators

POWER	ON	The device is powered on.
	OFF	The device is not receiving electrical power.
WAN/LAN	ON	The Ethernet port is connected.
	OFF	The Ethernet port is disconnected.
	Flashing	Transferring data to/from a network device.

## Installation

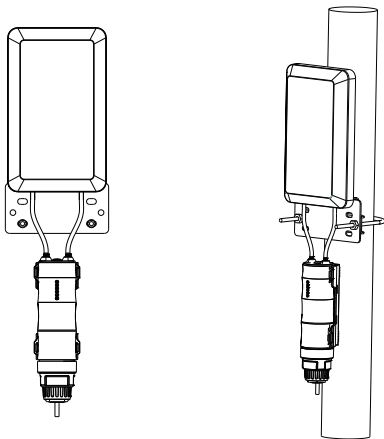
### 1. Assembly



- 1 Screw the connecting cable into the 2.4G antenna connector and screw up the connector.
- 2 Connect the RJ45 cable to WAN/LAN port.
- 3 Pass the RJ45 cable through the holder.
- 4 Pass the RJ45 cable through the rubber seal.
- 5 Pass the RJ45 cable through the spiral cover.
- 6 Screw up the holder.
- 7 Plug the rubber seal to the holder.
- 8 Screw up the spiral cover.

## 2. Installation

2.1 Fix the antenna and the device base where you want to install it.

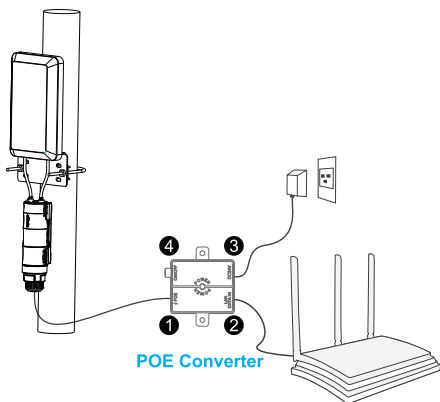


2.2 Mount the assembled device body on the base.

**Note:** If you live in an area where lightning occurs frequently, we recommend installing the device via a ground connection to strengthen the lightning protection function.



## 2.3 Connection



1. Connect the "⚡PoE" port of the PoE converter with an Ethernet cable with the WAN/LAN port of the device.
2. Connect the "LAN DATA IN" port of the PoE converter via a another Ethernet cable to a "LAN" port on your router.
3. Plug the power plug into the "DC54V" port of the PoE converter, and then plug the power adapter into a power outlet.

### ATTENTION:

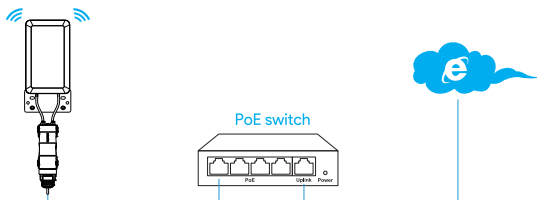
1. Make sure you are using a certified CAT5e/CAT6 Ethernet cable with RJ45 connectors.
2. Make sure the Ethernet cable length is less than 60 meters (196 feet).
3. Please make sure that the diameter of the pillar of the fixed device is between 0.025m and 0.1m, otherwise the enclosed accessories cannot help to fix the device.
4. Supports PoE passive power supply over Ethernet cable.

## Operation Mode

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

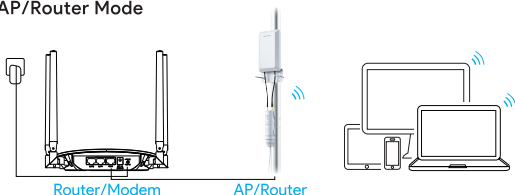
## Case 1: FAT AP

- FAT mode 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.

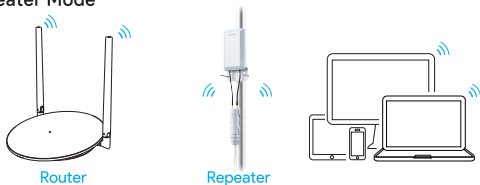


Here are several typical work modes for Fat AP:

### AP/Router Mode



### Repeater Mode

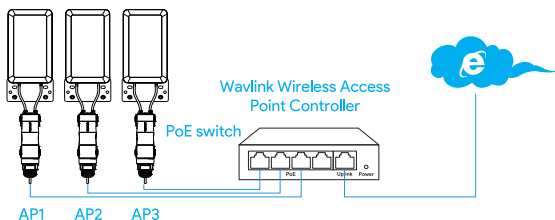


## Case 2: FIT AP

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.

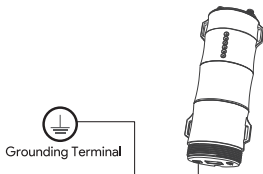


FIT mode is ideal for larger networks with broader coverage, a higher number of users, and a need for efficient network performance and enhanced security.

## 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.

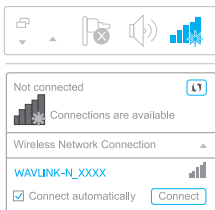


## Wi-Fi Connection

1. Disconnect the Ethernet (Wired) connection from your laptop (if any).
2. Turn your laptop's Wi-Fi ON if it is OFF.
3. For Mac: Click the WiFi icon on the top right corner of the screen, and connect to the Device's network: **WAVLINK-N\_XXXX**. For Windows: Click the WiFi icon on the taskbar and connect to the Device's network: **WAVLINK-N\_XXXX**.



For Mac OS X User



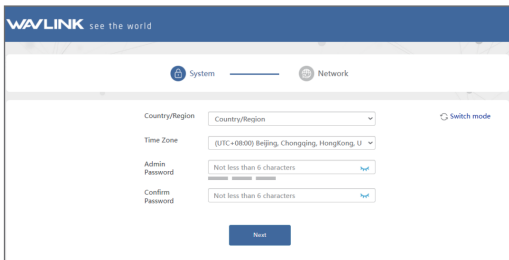
For Windows User

## Configuration

1. Please input **192.168.10.1** or **waplogin.link** in the URL bar of your browser on PC/laptop or phone, the default password is **admin** (All lowercase).



2. 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 indicate the strength of the login password.

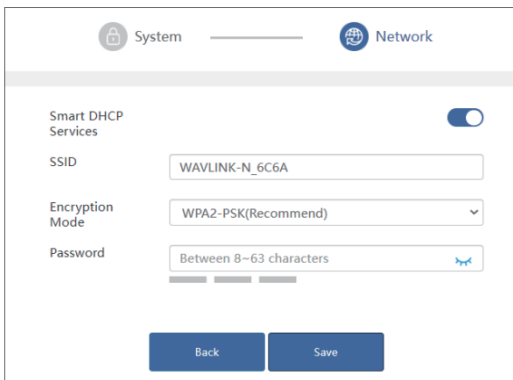
### 3. Mode Selection

This product has 3 modes.

#### 3.1 AP Mode

The system selects AP mode by default, there is no need to select the AP mode manually. Click on “Next”.

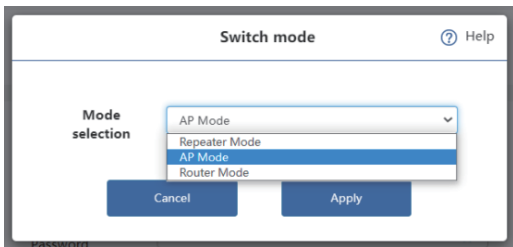
1. Connect the WAN/LAN port of this product to the upper router. Then you can change the SSID or use the default one, the encryption mode is recommended to be WPA2-PSK. For your network security. Please create a new password according to the rule. Then click on “Save” and wait for the setting process to complete.



The screenshot shows the 'Network' configuration page. At the top, there are two tabs: 'System' (with a lock icon) and 'Network' (with a globe icon). The 'Network' tab is active. Below the tabs, there are four configuration items: 'Smart DHCP Services' with a toggle switch turned on; 'SSID' with a text input field containing 'WAVLINK-N\_6C6A'; 'Encryption Mode' with a dropdown menu showing 'WPA2-PSK(Recommend)'; and 'Password' with a text input field containing 'Between 8~63 characters' and a strength indicator icon. At the bottom, there are two blue buttons: 'Back' and 'Save'.

#### 3.2 Repeater Mode


1. Log in to [192.168.10.1](#) or [waplogin link](#).
2. Click on “Switch mode”. Please choose “Repeater Mode”.




The screenshot shows a 'Switch mode' dialog box. At the top, it says 'Switch mode' and has a 'Help' link with a question mark icon. Below this, there is a 'Mode selection' label and a dropdown menu. The dropdown menu is open, showing four options: 'AP Mode', 'Repeater Mode', 'AP Mode', and 'Router Mode'. The 'Repeater Mode' option is highlighted with a blue background. At the bottom of the dialog, there are two blue buttons: 'Cancel' and 'Apply'.

Select Wi-Fi:

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


 Network


☒ Select Wi-Fi


☐ Manual Input

Please select the wireless signal to be relayed

 WAVLINK-AX\_4545

 222\_ccishi\_tpp

 WAVLINK-N\_A8E0


 WAVLINK-Mesh\_9447


Back


Rescan

Next

2. Enter the password for the wireless network you have selected. Set the wireless network encryption mode and password for this device. Click “Save”.

 see the world

 System

 Network

Superior wireless network information

Superior Network Name

@CK-MX

Superior Password

Between 8–63 characters

Wireless network information of this device

Connection Type

WISP-Recommend

2.4G Network Name

@CK-MX\_EXT2.4G

Encryption Mode

WPA2-PSK(Recommend)

2.4G 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”**.

The screenshot shows the WavLink web interface with the 'Network' tab selected. Under 'Manual Input', the user is prompted to 'Please input the wireless signal to be relayed'. The form includes fields for 'Superior Network Name' (TT\_2G), 'Frequency band' (2.4G), 'Channel' (Automatic(Recommend)), and 'Encryption Mode' (OPEN). 'Back' and 'Next' buttons are at the bottom.

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

The screenshot shows the WavLink web interface with the 'Network' tab selected. Under 'Manual Input', the user is prompted to 'Wireless network information of this device'. The form includes fields for 'Connection Type' (WISP-Recommend), '2.4G Network Name' (TT\_2G\_EXT2.4G), 'Encryption Mode' (WPA2-PSK(Recommend)), and '2.4G Network password' (Between 8-63 characters). 'Back' and 'Save' buttons are at the bottom.

## 3.3 Router Mode

1. Click on **“Switch mode”**. Please choose **“Router Mode”**.
2. Before configuring, please make sure your upper router has connected to the WAN 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.

**WAVLINK** see the world

System | Network

Wan Type: Obtain DHCP automatically (dropdown menu)

SSID: WAVLINK-N\_6C6A

Encryption Mode: WPA2-PSK(Recommend) (dropdown menu)

Password: Between 8-63 characters (password field with strength indicator)

Buttons: Back, Save


Help icon

### 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.

## Firmware Upgrade

### Option I

1. Download the latest firmware file on Wavlink website.
2. Extract the firmware from the downloaded file.
3. Log in to [192.168.10.1](http://192.168.10.1) or [waplogin.link](http://waplogin.link), then choose “Advanced” and select “Firmware Update”.
4. Click on  to locate the extracted firmware file.
5. Click on “Upload” and choose “Apply”, and wait for the firmware upgrade process to complete.

**WAVLINK** see the world

Home | Wireless | **Advanced** | Device

< Firmware Update

Current Version: M70HN2\_V230324

Upgrade File: Choose File (file selection button)

Upload (button)

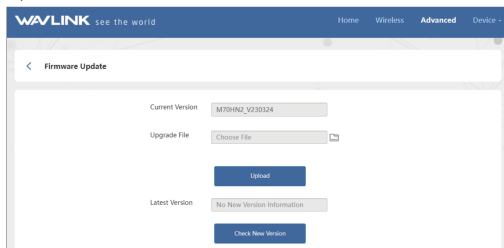
Latest Version: No New Version Information

Check New Version (button)



## Option II

1. Log in to [192.168.10.1](http://192.168.10.1) or [waplogin.link](http://waplogin.link), then choose “**Advanced**” and select “**Firmware Update**”.
2. Click on “Check New Version” to find the latest version. upgrade process to complete.



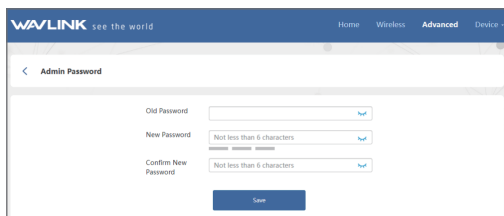
The screenshot shows the 'Firmware Update' page of the WavLink web interface. The header includes the WavLink logo and navigation links: Home, Wireless, Advanced, and Device. The page title is 'Firmware Update'. It contains the following fields and buttons:

- Current Version:** A text box displaying 'M7GHNZ\_V230324'.
- Upgrade File:** A button labeled 'Choose File' with a file icon.
- Upload:** A blue button.
- Latest Version:** A text box displaying 'No New Version Information'.
- Check New Version:** A blue button.

## Change Login Password

**Note:** The default password of the device is [admin](#), we strongly recommend you to change the default password of the device.

1. Log in to [192.168.10.1](http://192.168.10.1) or [waplogin.link](http://waplogin.link) with the default password [admin](#).
2. Choose “**Advanced**” and select “**Admin Password**”.
3. Enter the old password, then enter the new password and click “**Save**”.



The screenshot shows the 'Admin Password' page of the WavLink web interface. The header includes the WavLink logo and navigation links: Home, Wireless, Advanced, and Device. The page title is 'Admin Password'. It contains the following fields and buttons:

- Old Password:** A text box with a 'type' icon.
- New Password:** A text box with a placeholder 'Not less than 6 characters' and a 'type' icon.
- Confirm New Password:** A text box with a placeholder 'Not less than 6 characters' and a 'type' icon.
- Save:** A blue button.

## 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 into the page. The default IP is [192.168.10.1](http://192.168.10.1). 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 and try it 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.

## GNU (General Public License Notice)

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

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

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# Need help?

We're here for you!



**Online support: [wavlink.com](https://www.wavlink.com)**

Available Mon-Fri 8:30 am-5:30pm (UTC+8)



**[support@wavlink.com](mailto: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](https://www.wavlink.com)**



**Thank you for purchasing  
WAVLINK product!**