

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

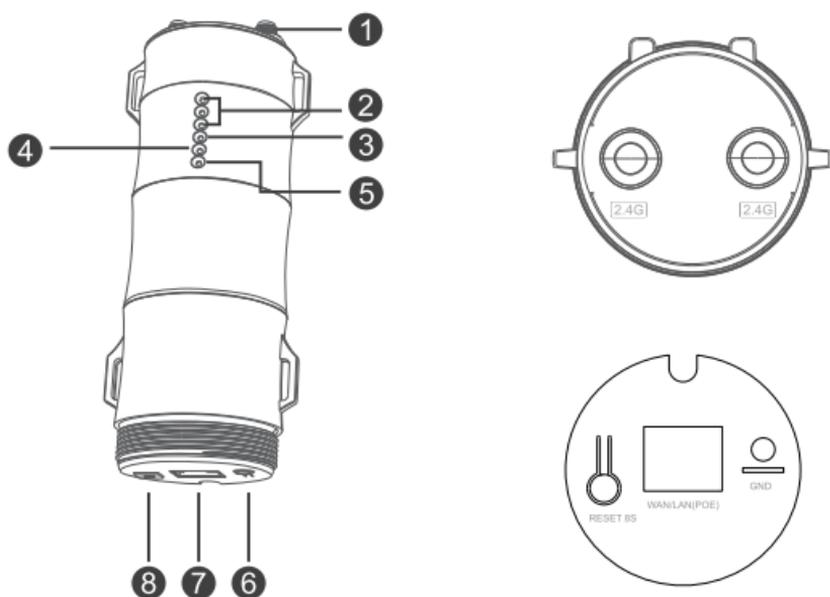
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WEEE Directive & Product Disposal



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

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

Default Password: [admin](#)

2.4G SSID: [WAVLINK-N_XXXX](#)

Technical Support: support@wavlink.com

Wi-Fi Signal

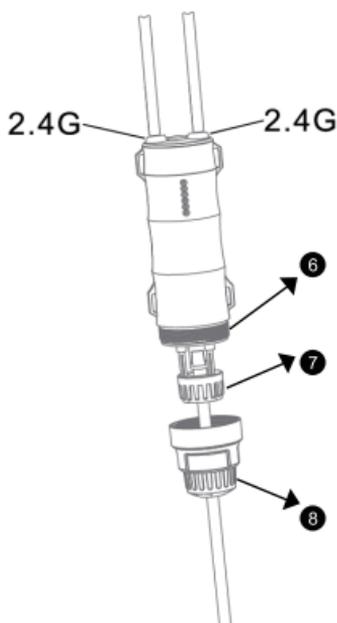
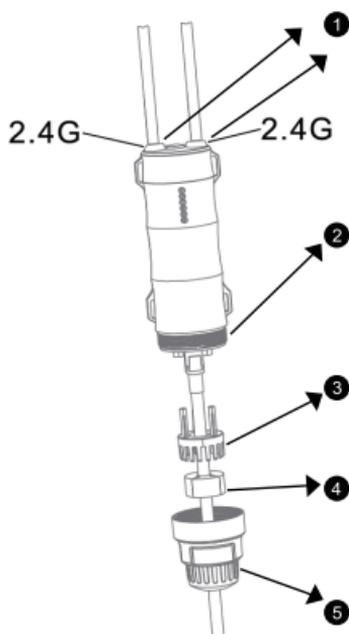
Mode				Description
AP/Router	ON	ON	ON	Wi-Fi signal output power 100%.
Repeater	ON	ON	ON	Better reception: signal 81%~100%.
	ON	ON	OFF	Good reception: signal 60%~80%.
	ON	OFF	OFF	Weak reception: signal below 0~59%.
	Flashing	OFF	OFF	Disconnected.

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

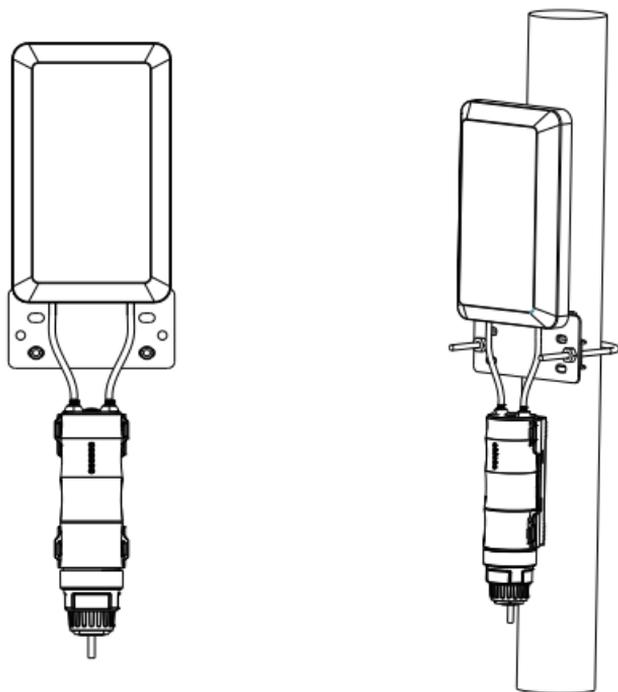
1. Assembly



- 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

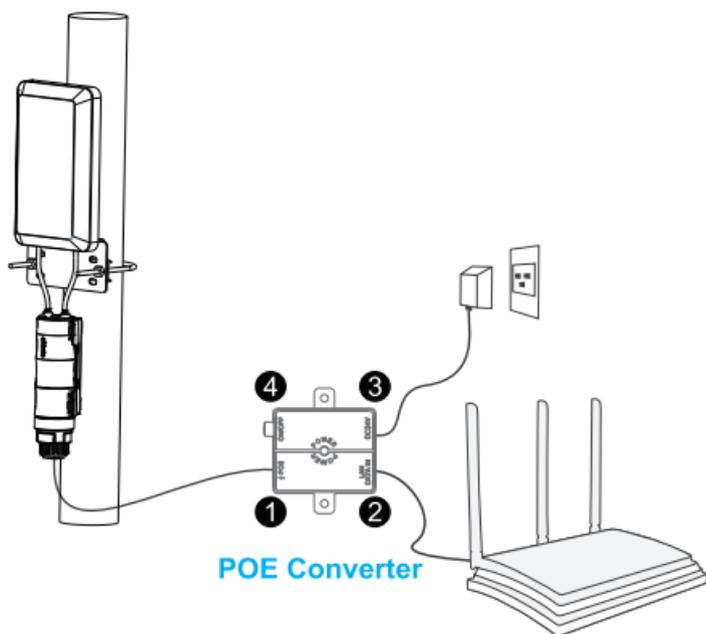
2.1 Fix the antenna and the device base where you want to install it.



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:

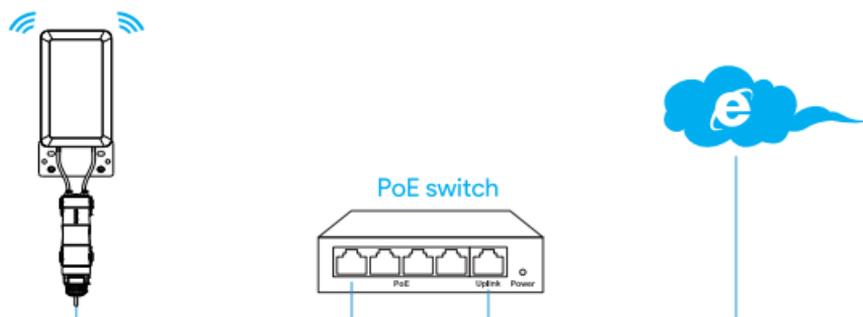
1. Make sure you are using a certified CAT5e/CAT6 Ethernet cable with RJ45 connectors.
2. Make sure the Ethernet cable length is less than 60 meters (196 feet).
3. Please make sure that the diameter of the pillar of the fixed device is between 0.025m and 0.1m, otherwise the enclosed accessories cannot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

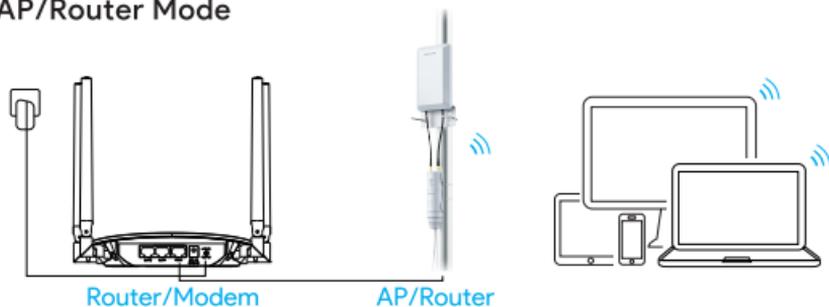
Case 1: FAT AP

- 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.

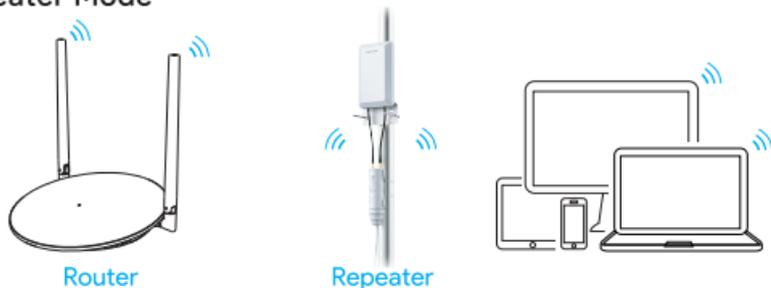


Here are several typical work modes for Fat AP:

AP/Router Mode



Repeater Mode

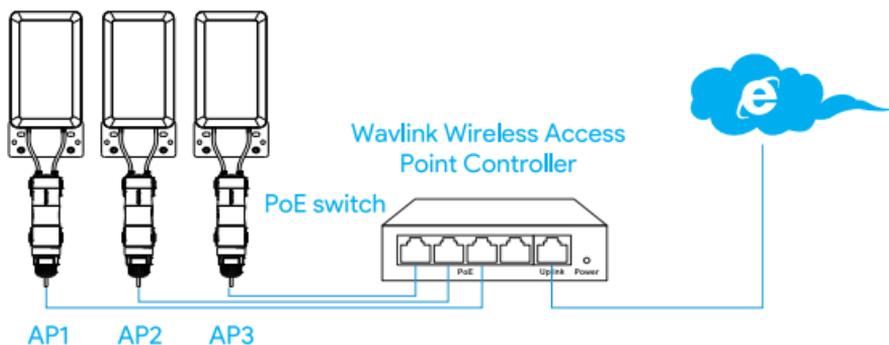


Case 2: FIT AP

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

If 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.

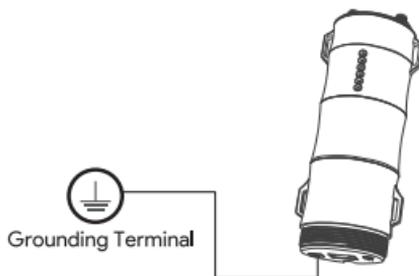


FIT mode is ideal for larger networks with broader coverage, a higher number of users, and a need for efficient network performance and enhanced security.

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



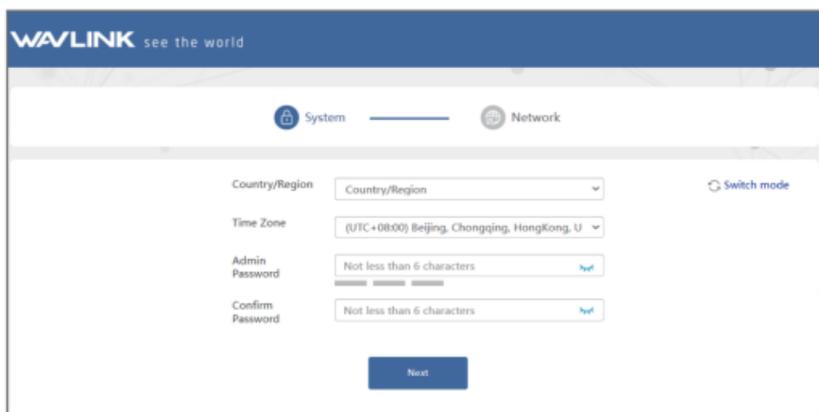
For Windows User

Configurion

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.

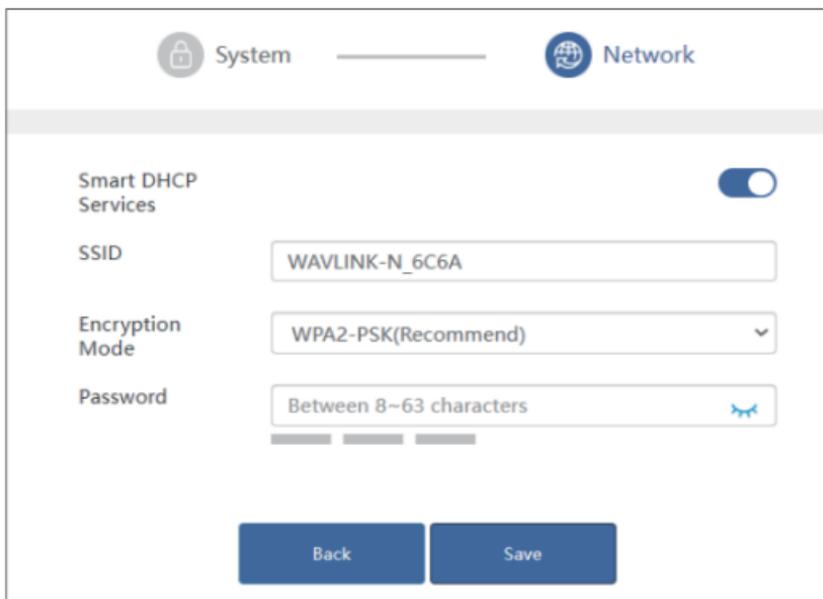
3. Mode Selection

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.



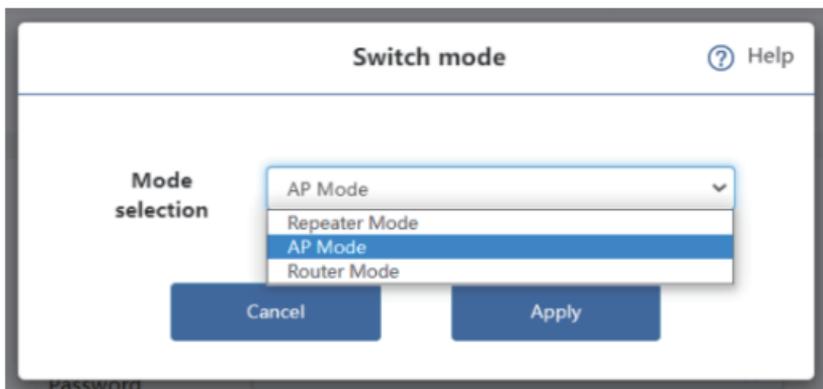
The screenshot shows a web interface for network configuration. At the top, there are two tabs: "System" (selected) and "Network". Below the tabs, there are four configuration items:

- Smart DHCP Services: A toggle switch is turned on.
- SSID: A text input field containing "WAVLINK-N_6C6A".
- Encryption Mode: A dropdown menu showing "WPA2-PSK(Recommend)".
- Password: A text input field with a placeholder "Between 8~63 characters" and a strength indicator icon.

At the bottom, there are two buttons: "Back" and "Save".

3.2 Repeater Mode

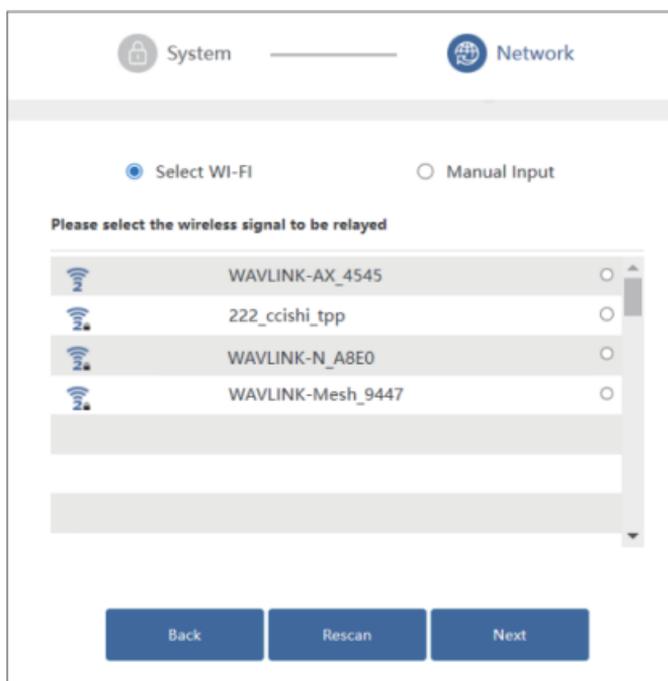
1. Log in to 192.168.10.1 or [waplogin link](#).
2. Click on “Switch mode”. Please choose “Repeater Mode”.



The screenshot shows a "Switch mode" dialog box. At the top right, there is a "Help" icon. The main content area has 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 second "AP Mode" option is highlighted in blue. Below the dropdown menu are two buttons: "Cancel" and "Apply".

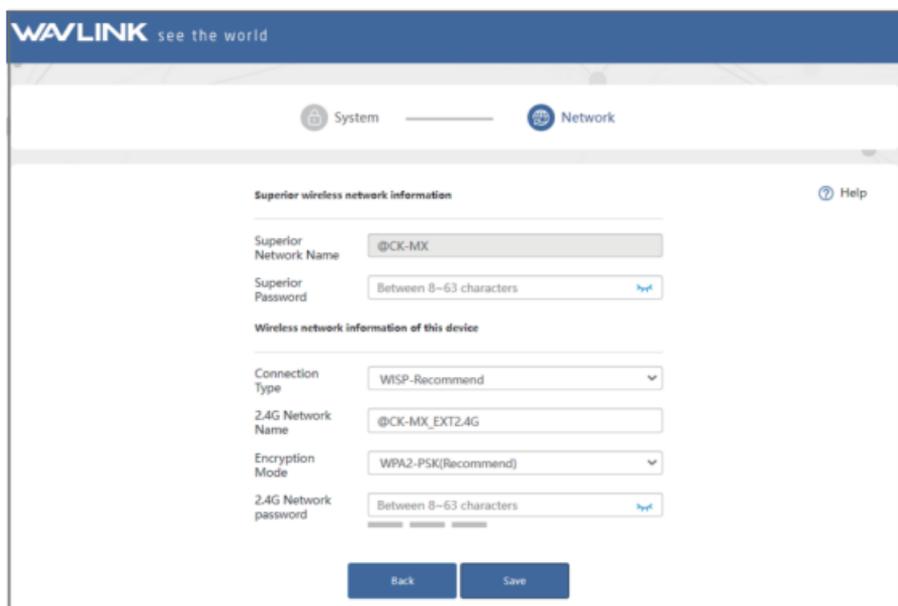
Select Wi-Fi:

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”.



The screenshot shows the 'Network' configuration page with the 'System' tab selected. Under the 'Network' section, the 'Select Wi-Fi' radio button is chosen. Below this, a list of wireless signals is displayed with a scroll bar on the right. The signals listed are: WAVLINK-AX_4545, 222_ccishi_tpp, WAVLINK-N_A8E0, and WAVLINK-Mesh_9447. At the bottom of the page, there are three buttons: 'Back', 'Rescan', and 'Next'.

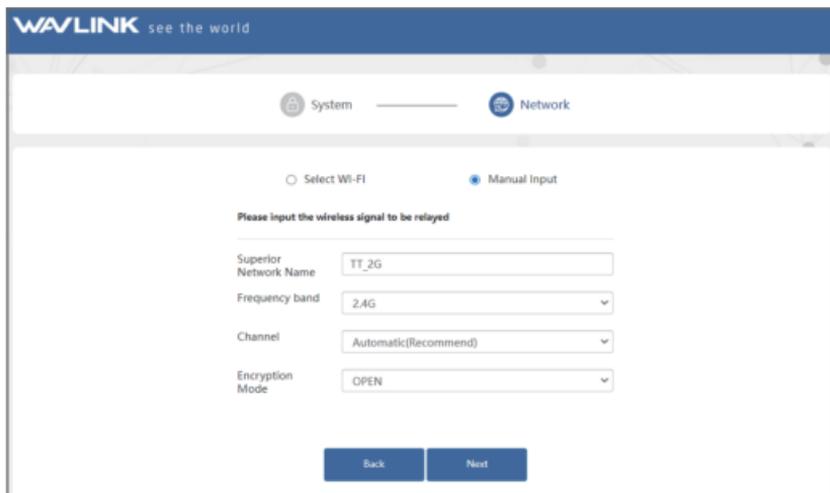
2. Enter the password for the wireless network you have selected. Set the wireless network encryption mode and password for this device. Click “Save”.



The screenshot shows the 'Network' configuration page with the 'System' tab selected. The 'Superior wireless network information' section contains the following fields: Superior Network Name (value: @CK-MX), Superior Password (value: Between 8-63 characters), and a Help icon. The 'Wireless network information of this device' section contains the following fields: Connection Type (value: WISP-Recommend), 2.4G Network Name (value: @CK-MX_EXT2.4G), Encryption Mode (value: WPA2-PSK(Recommend)), and 2.4G Network password (value: Between 8-63 characters). At the bottom of the page, there are two buttons: 'Back' and 'Save'.

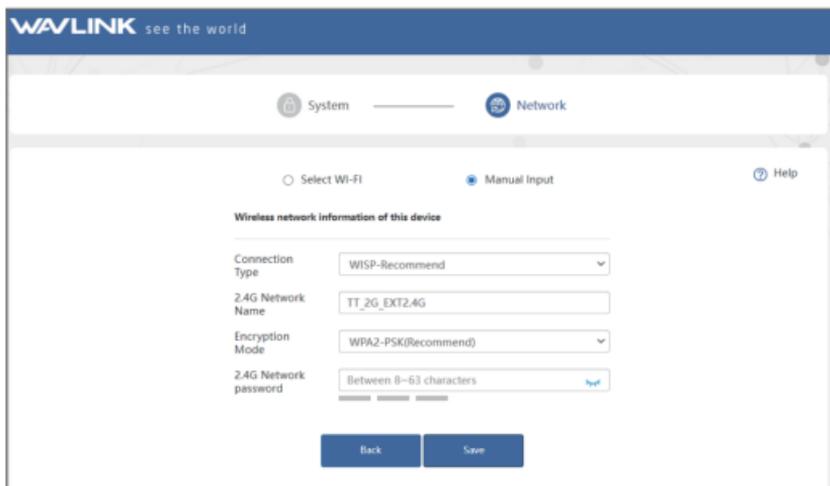
Manual Input:

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 the 'Manual Input' option, there are four input fields: 'Superior Network Name' (text input with 'TT_2G'), 'Frequency band' (dropdown menu with '2.4G'), 'Channel' (dropdown menu with 'Automatic(Recommend)'), and 'Encryption Mode' (dropdown menu with 'OPEN'). At the bottom are 'Back' and 'Next' buttons.

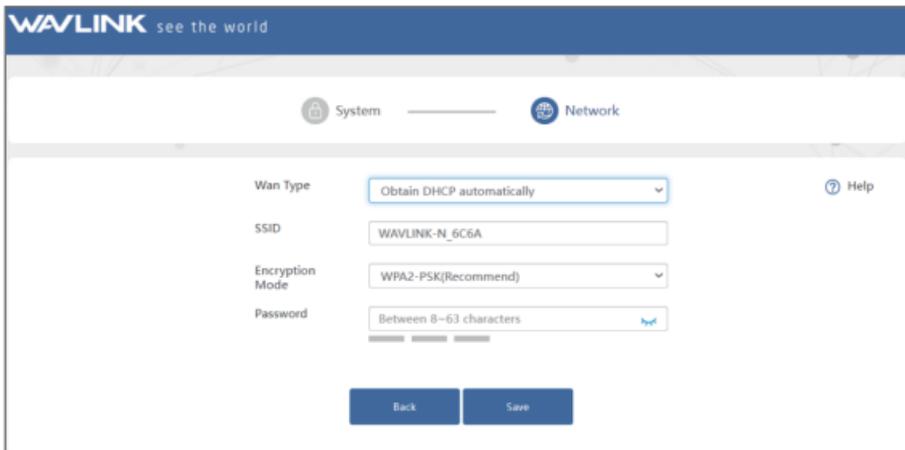
2. Set the wireless network encryption mode and password for this device. Click **“Save”**.



The screenshot shows the Wavlink web interface with the 'Network' tab selected. Under the 'Manual Input' option, there are five input fields: 'Connection Type' (dropdown menu with 'WISP-Recommend'), '2.4G Network Name' (text input with 'TT_2G_EXT2.4G'), 'Encryption Mode' (dropdown menu with 'WPA2-PSK(Recommend)'), and '2.4G Network password' (text input with 'Between 8-63 characters'). At the bottom are 'Back' and 'Save' buttons.

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.



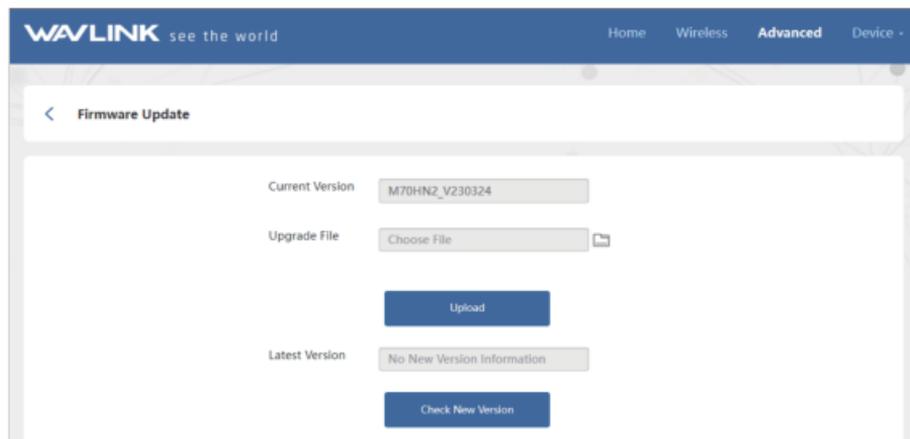
Which WAN Type am I supposed to choose?

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

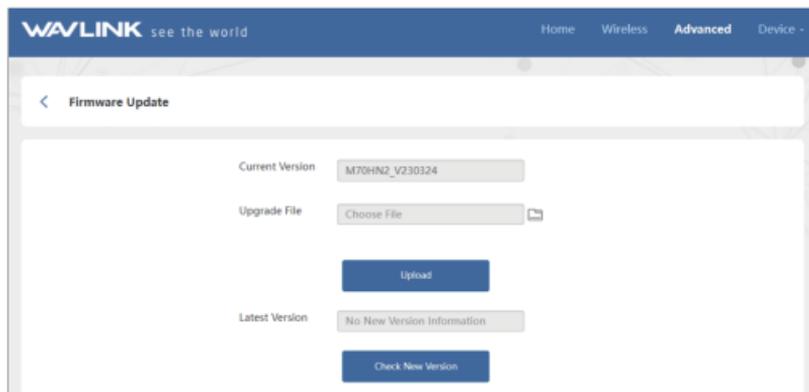
Option I

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 or 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.



Option II

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



WAVLINK see the world Home Wireless **Advanced** Device

< Firmware Update

Current Version M70HN2_V230324

Upgrade File Choose File

Upload

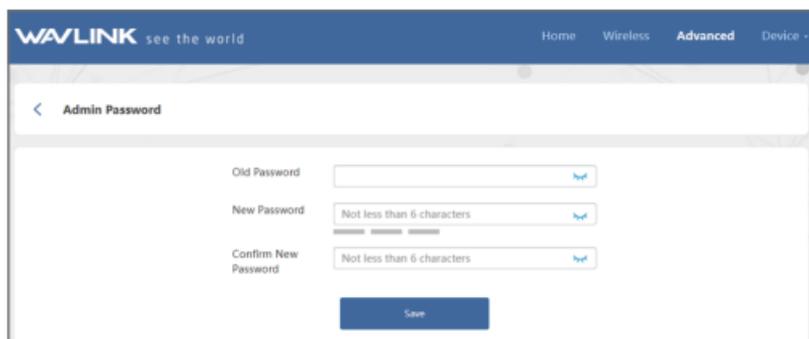
Latest Version No New Version Information

Check New Version

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 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**”.



WAVLINK see the world Home Wireless **Advanced** Device

< Admin Password

Old Password

New Password Not less than 6 characters

Confirm New Password Not less than 6 characters

Save

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. 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.

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

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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



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WAVLINK product!**