

WAVLINK



see the world

User Manual

AC1200 Dual Band Outdoor Access Point

Model: AERIAL HD3

@WavlinkOfficial

@WavlinkTechSupport

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About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them.

When using this guide, please notice that features of the router may vary slightly depending on the model and software version you have, and on your location, language, and internet service provider. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration only.

Conventions

In this guide the following conventions are used :

Convention	Description
<u>Underlined</u>	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	The content and text that needs to be emphasized on the web page is the theme color #1D428A , including menus, items, buttons, etc.
>	The menu structures to show the path to load the corresponding page. For example, More > Network > Mode Selection means the Mode Selection function page is under the Network menu that is located in the More tab.
Note:	Do not ignore this type of comment, it is to remind you to better use the device, to avoid the operation of the error that will cause the function to be invalid.
Tips:	Indicates important information that helps you make better use of your device.

More Info

The latest software, management app and utility are available from the Download Center at <https://docs.wavlink.xyz/Firmware/> .

A quick installation guide can be found in this guide.

Specifications can be found on the product page at <https://docs.wavlink.xyz/>.

If you encounter any issues, please don't hesitate to email

contact@wavlink.com/techsupport@wavlink.com/postsales@wavlink.com to provide feedbacks or contact online customer service, thank you !

Speed/Coverage Disclaimer

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

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 an obvious sign of breakage.

☐ The equipment has not been working well or you cannot get it work according to Quick start Guide.

Copyright Statement

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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.

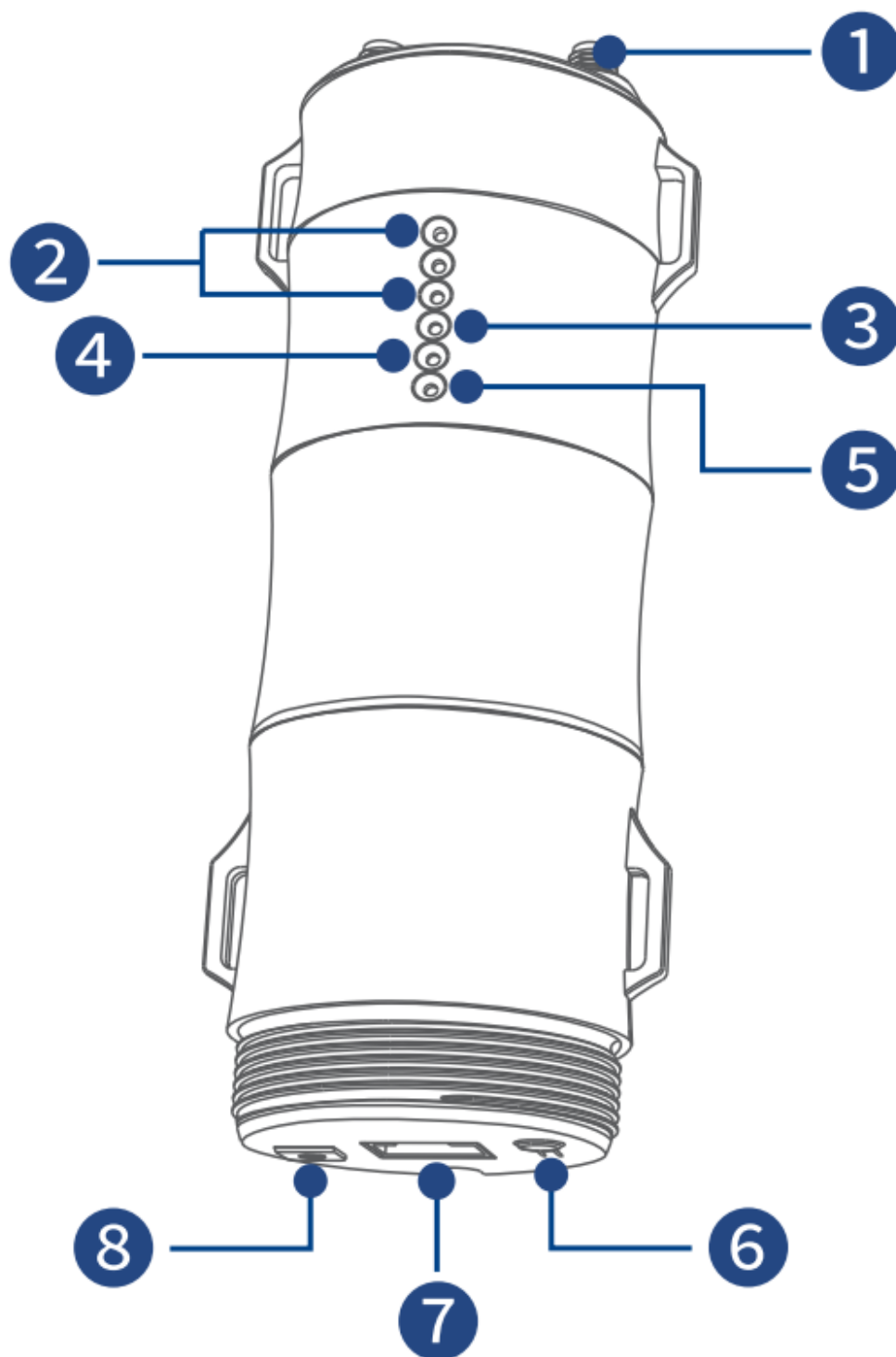


Chapter 1 Overview

This chapter contains the following sections :

- [Hardware Overview](#)
- [Default Parameters](#)
- [LED Indicators](#)
- [Wi-Fi Signal](#)

Hardware Overview



① 2.4G/5G RP-SMA Antenna Connectors

② Wi-Fi Signal LED

③ Wi-Fi LED

④ WAN/LAN LED

⑤ POWER LED

- ⑥ Reset Button
- ⑦ WAN/LAN Port (POE)
- ⑧ Grounding Terminal

Default Parameters

Login : <http://waplogin.link>

Default IP: 192.168.10.1

2.4G SSID: WAVLINK-N_XXXX

5G SSID: WAVLINK-AC_XXXX

LED Indicators

Position	LED Status	Description
Power	On	The device is powered on.
Power	Off	The device is not receiving electrical power.
WAN/LAN	On	The Ethernet port is connected.
WAN/LAN	Off	The Ethernet port is disconnected.
WAN/LAN	Flashing	Transferring data to/from a network device.

Wi-Fi Signal

Mode				Description
AP/Router	ON	ON	ON	High Transmit Power.
AP/Router	ON	ON	OFF	Medium Transmit Power.
AP/Router	ON	OFF	OFF	Low Transmit Power.

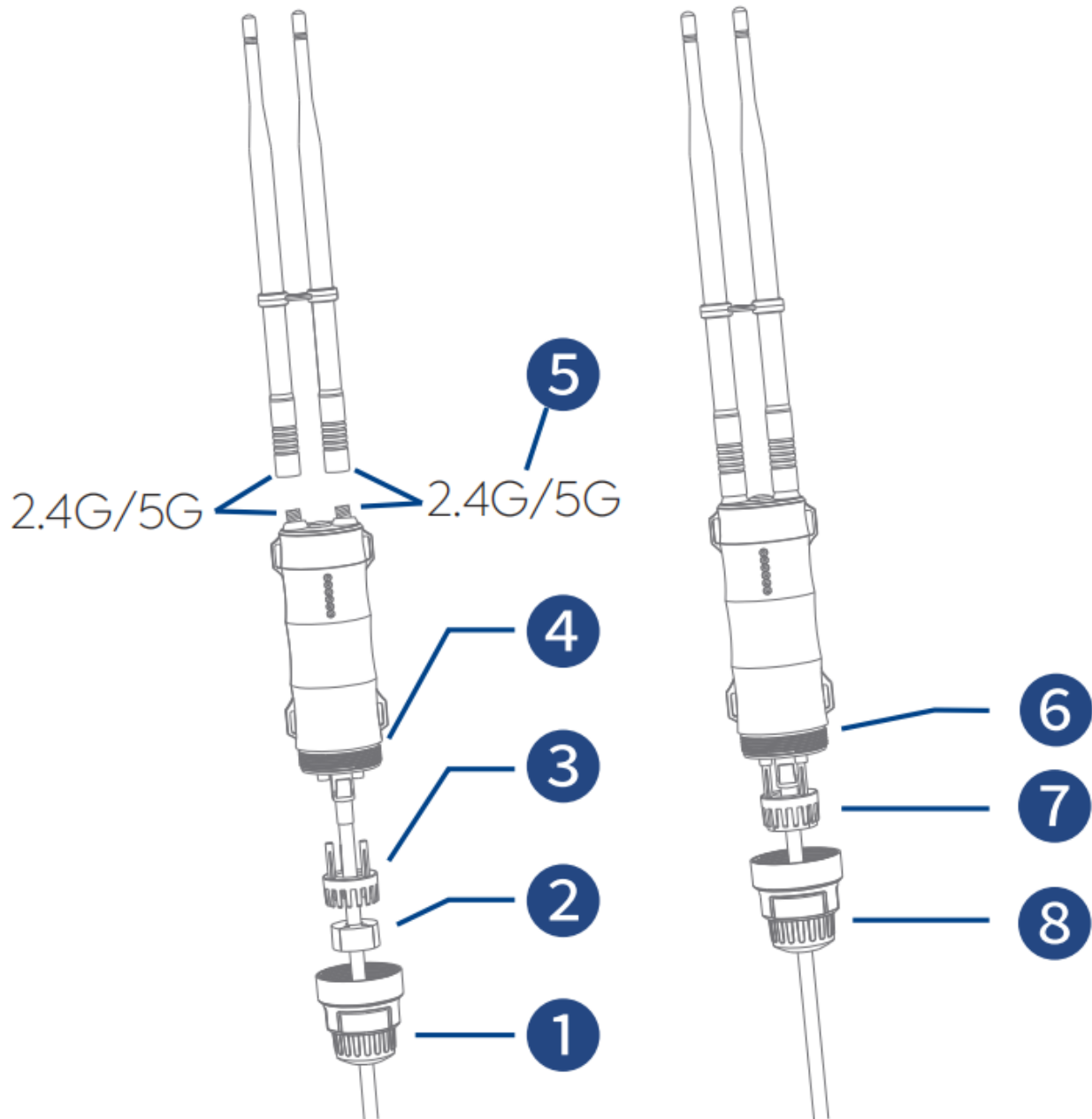
Mode				Description
Repeater	ON	ON	ON	Better reception: signal 81%-100%.
Repeater	ON	ON	OFF	Good reception: signal 60%~80%.
Repeater	ON	OFF	OFF	Weak reception: signal below 0%~59%.
Repeater	Flashing	OFF	OFF	Disconnected.

Chapter 2 How to Use

This chapter contains the following sections :

- [Hardware Installation](#)
- [Outdoor Installation](#)
- [PoE Connection](#)
- [Network Connection](#)
- [Configuration-Wizard](#)

Hardware Installation



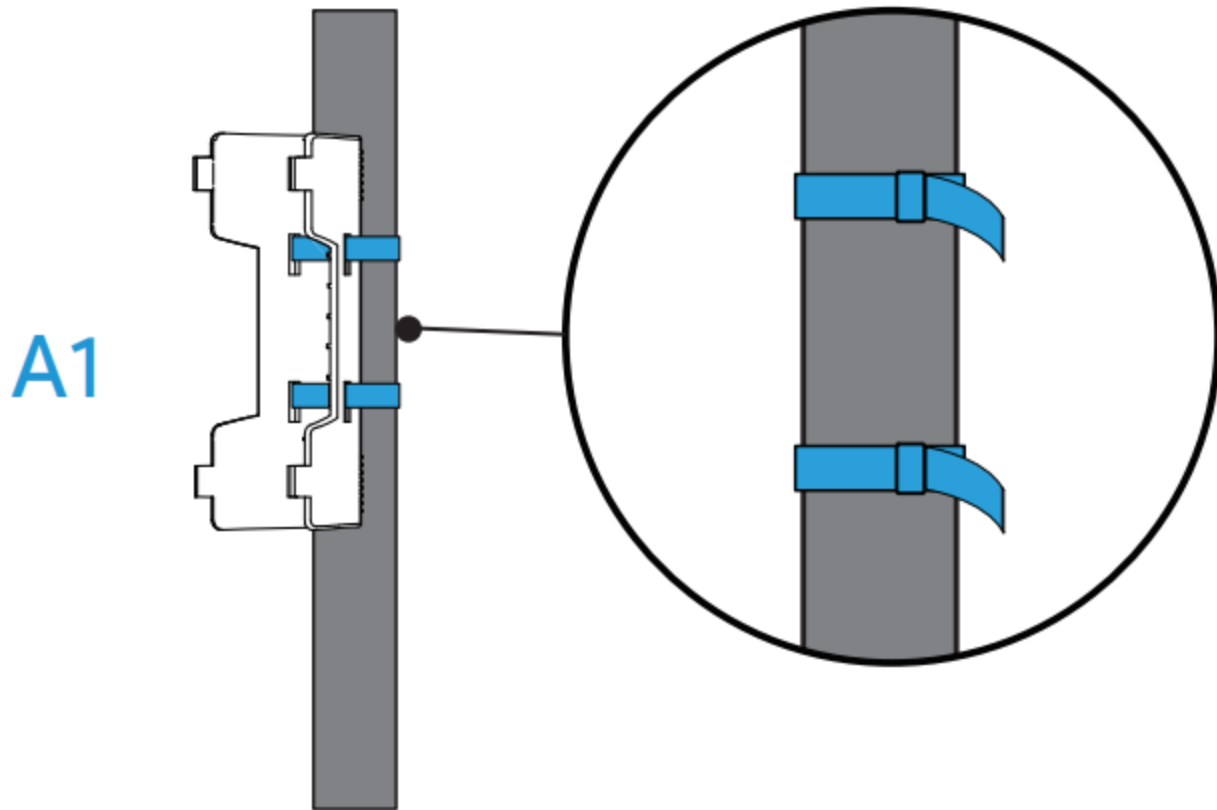
- ① Pass RJ45 cable through the spiral cover.
- ② Pass RJ45 cable through the rubber seal.
- ③ Pass RJ45 cable through the holder.
- ④ Connect the RJ45 cable to RJ45 port.
- ⑤ Spin 2.4G/5G antenna into the 2.4G/5G external RP-SMA connector.
- ⑥ Screw the holder.
- ⑦ Plug the rubber seal to the holder.
- ⑧ Screw the spiral cover.

Outdoor Installation

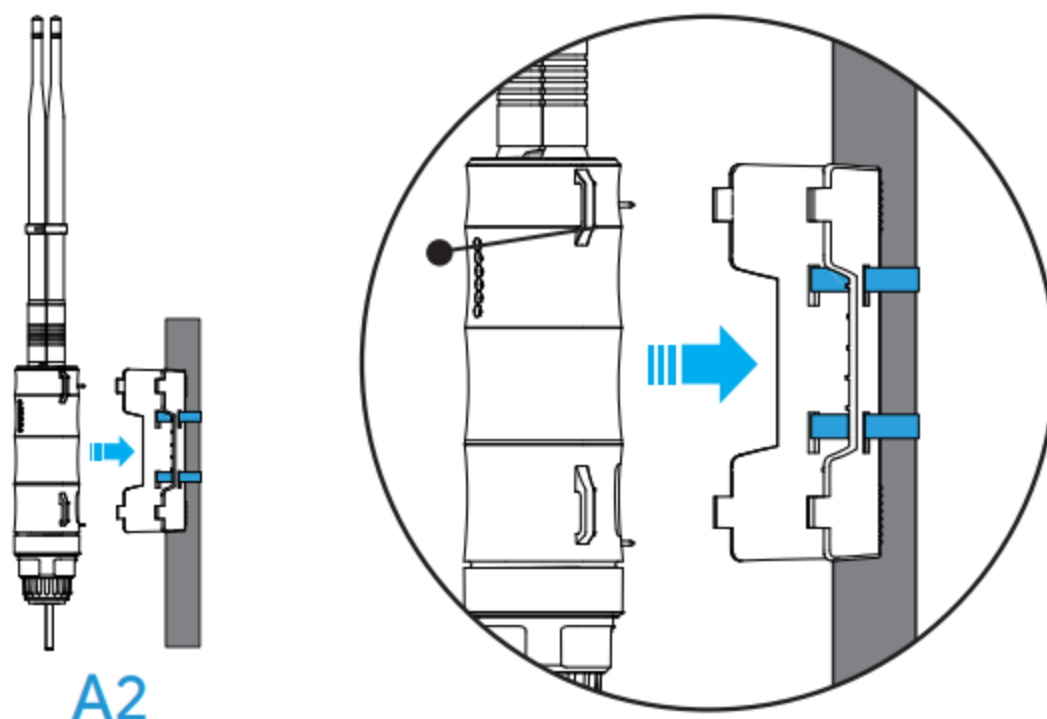
Fix the device to the pole with cable ties, or fix the device to the wall with screws.

Pole Mounting

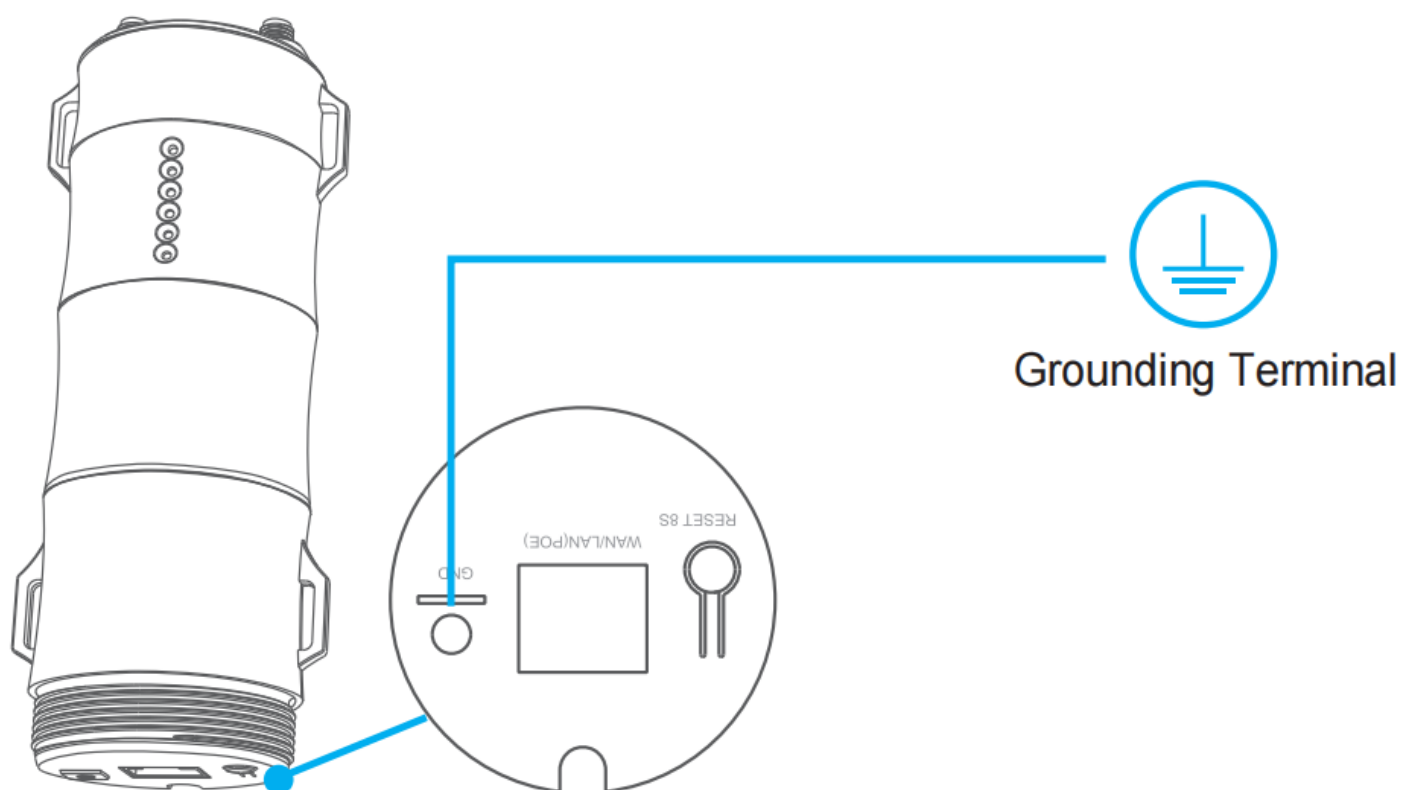
Step 1. Fasten the main body holder to the pole with two cable ties.



Step 2. Plug the AP into the holder.

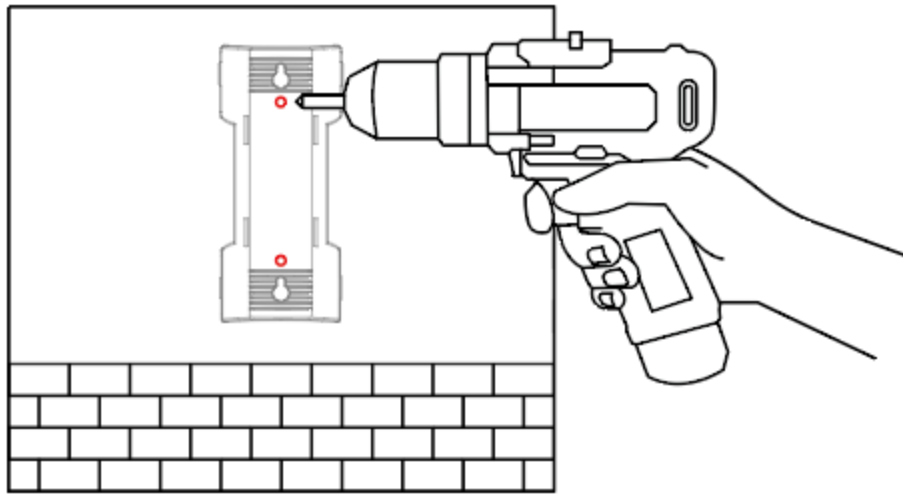


Remark: If you happen to live in the zone where lightning happens a lot, we suggest that you install the device through grounding connection in order to strengthen the lightning-resistant function.

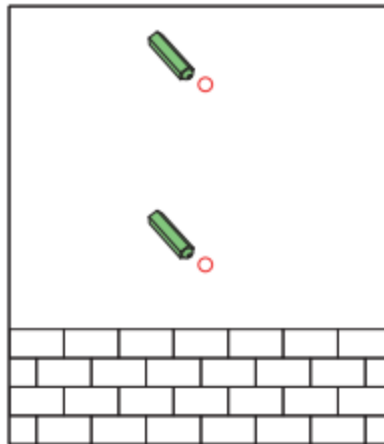


Wall Mounting

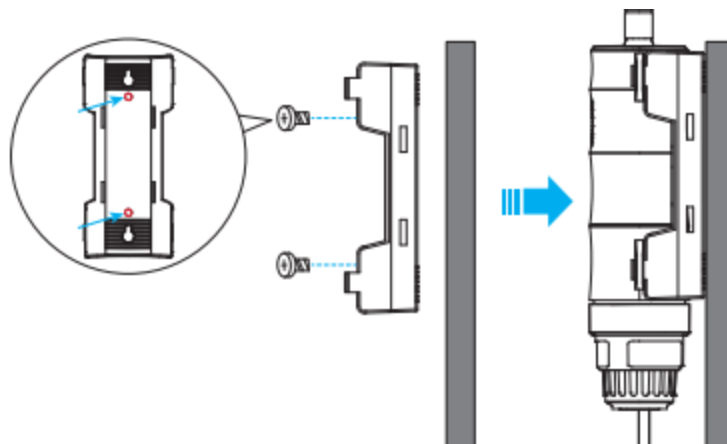
Step 1. Attach the holder onto the wall, then use the drill to make two holes on the wall at the position designated by the holes from the body holder.



Step 2. Insert the screws into the holes.



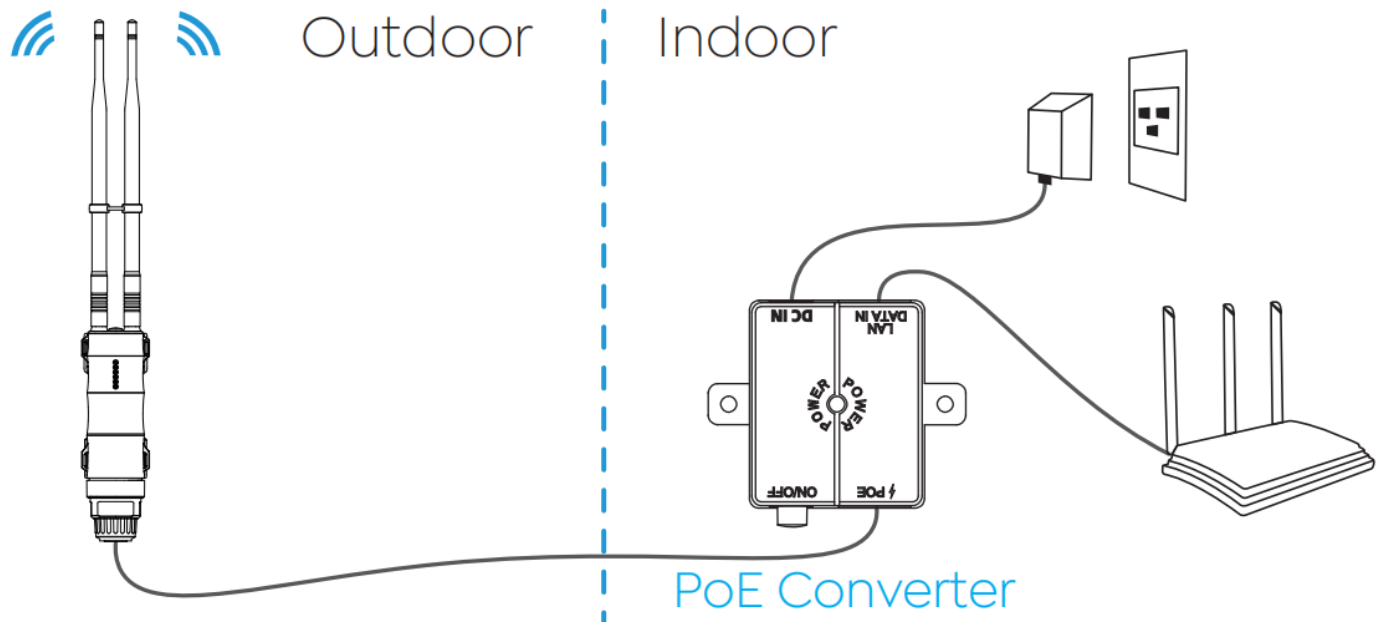
Step 3. Fix the body holder with the wall screws, then plug the AP into the holder.



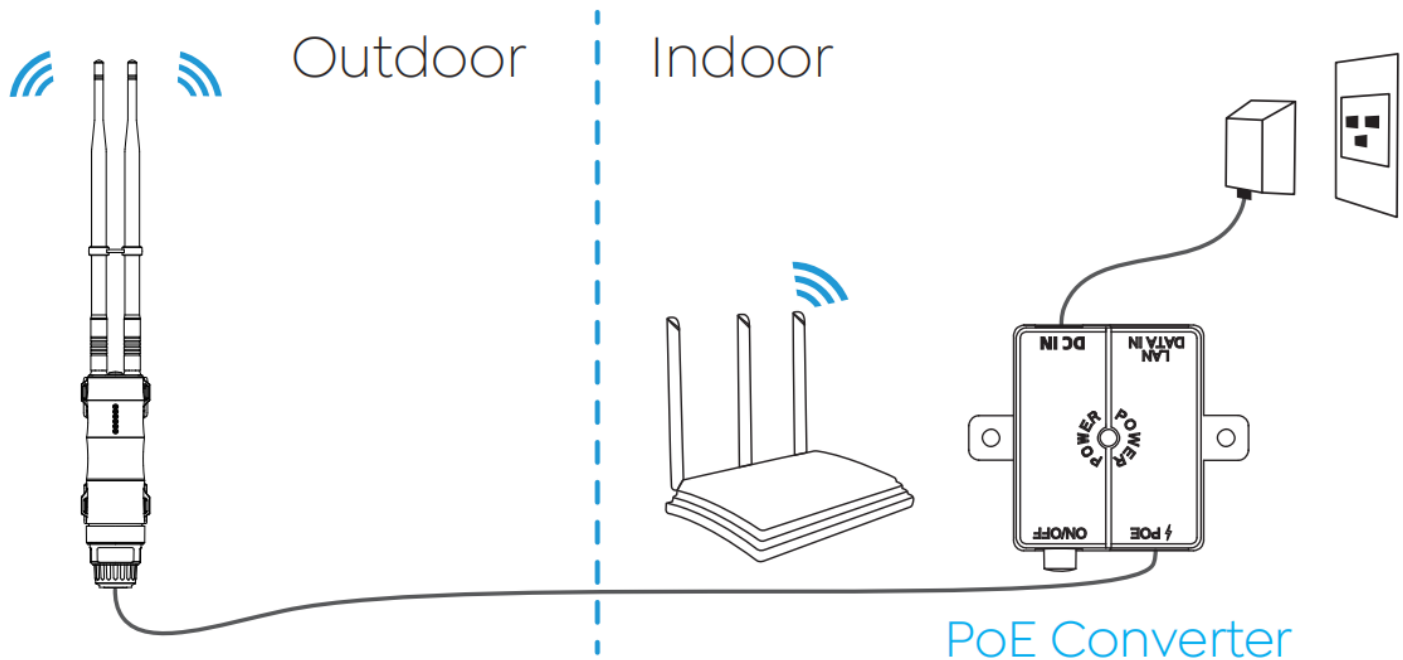
PoE Connection

Passive PoE

1. Wired (For AP/Router Mode)



2. Wireless (For Repeater Mode)

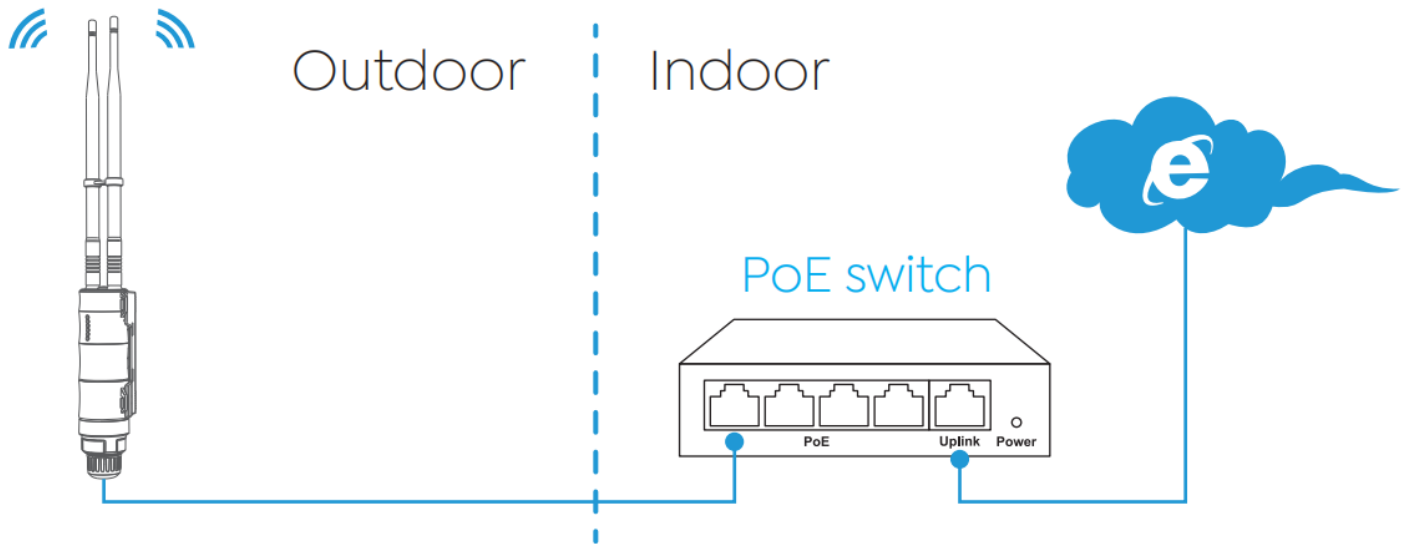


- ①. Connect the **"PoE"** port of the PoE converter with an Ethernet cable to the **"WAN/LAN"** port of the device.
- ②. Connect the PoE converter to power source.

③. Connect the indoor router to the PoE converter via an Ethernet cable for AP/Router mode. In Repeater mode, this Ethernet cable is not required.

Note: The PoE converter is not waterproof. Please place the **“PoE”** port facing downwards to avoid water from flowing into the converter.

Active PoE

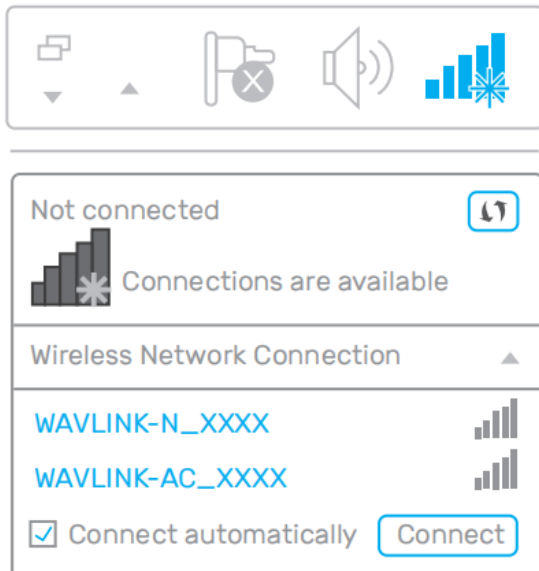


Note: Make sure you use a certified CAT5 or higher standard Ethernet cable with RJ45 connectors.

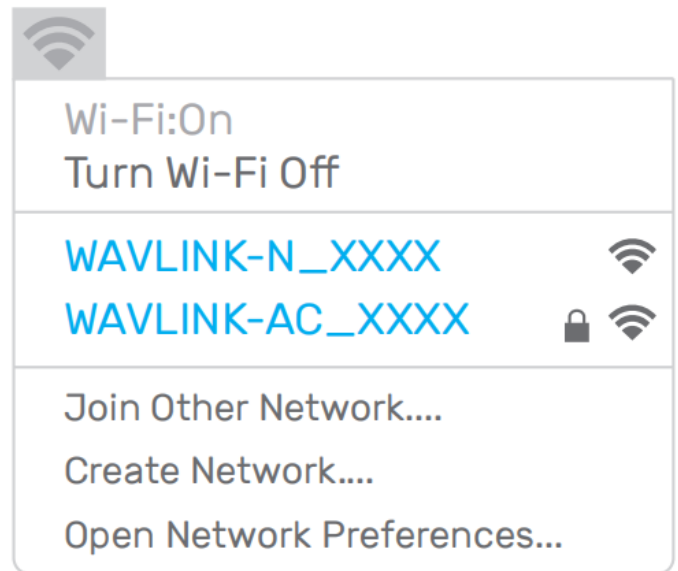
Network Connection

Via Wireless

- ①. Disconnect the Ethernet cable from your computer(if you have one).
- ②. Turn on your WiFi, find and connect the SSID of this product.

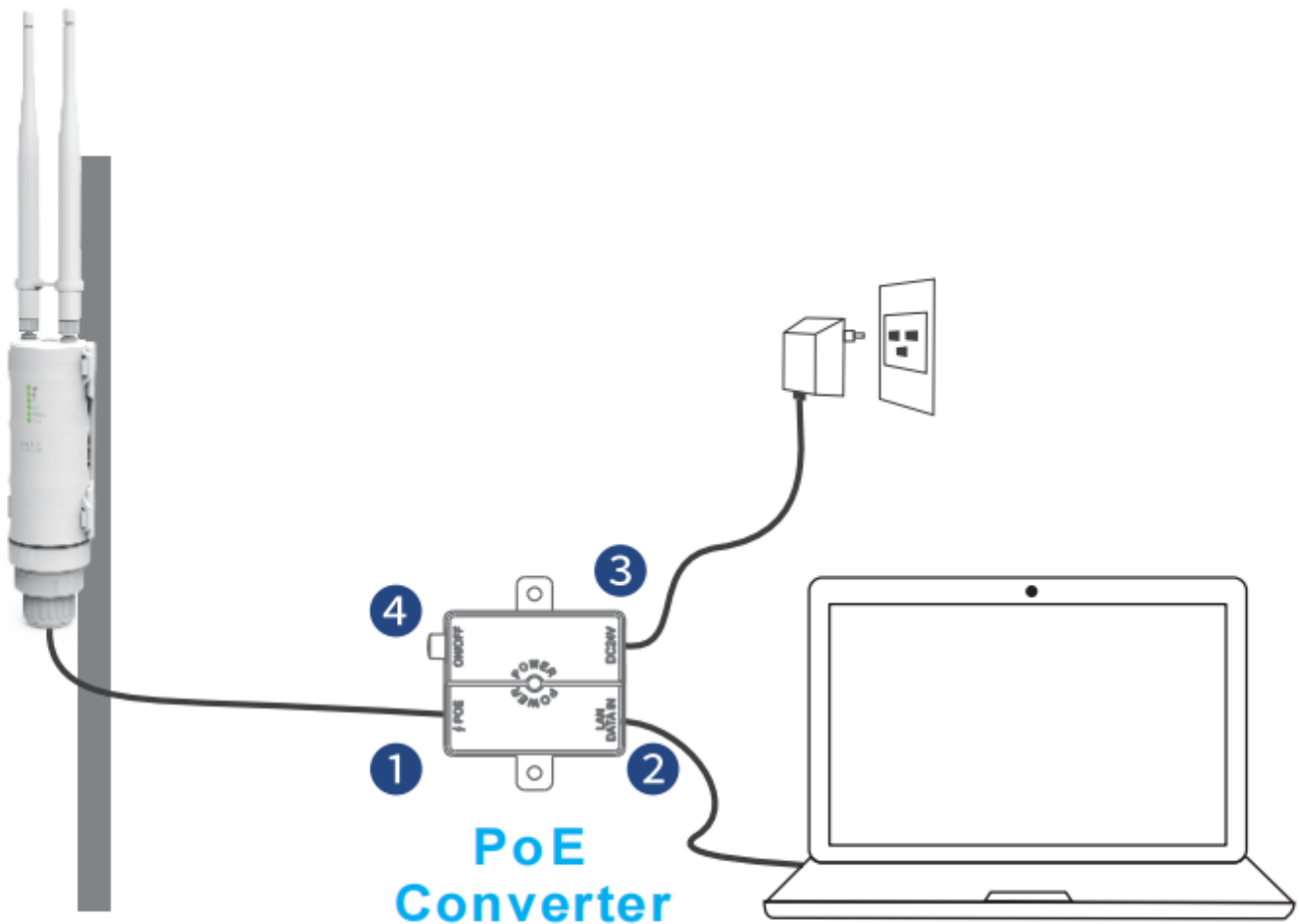


For Windows users



For Mac users

Via Cable



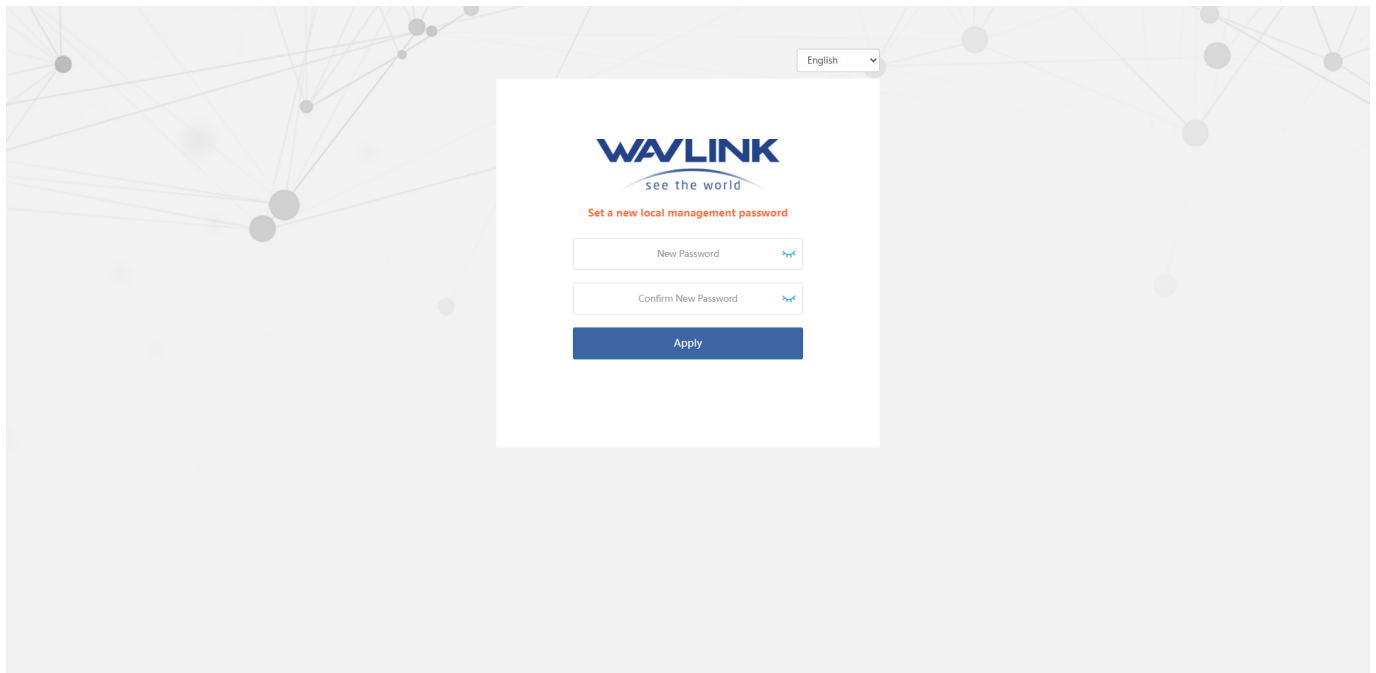
Connect the Ethernet cable to your PC/laptop and the LAN DATA IN port of your PoE converter, and then you can start configuring the device.

Note: If you want to use this device's AP/Router Mode function, please finish the configuration of AP/Router Mode, and then connect the LAN DATA IN of the PoE converter port to the LAN port of the upstream router.

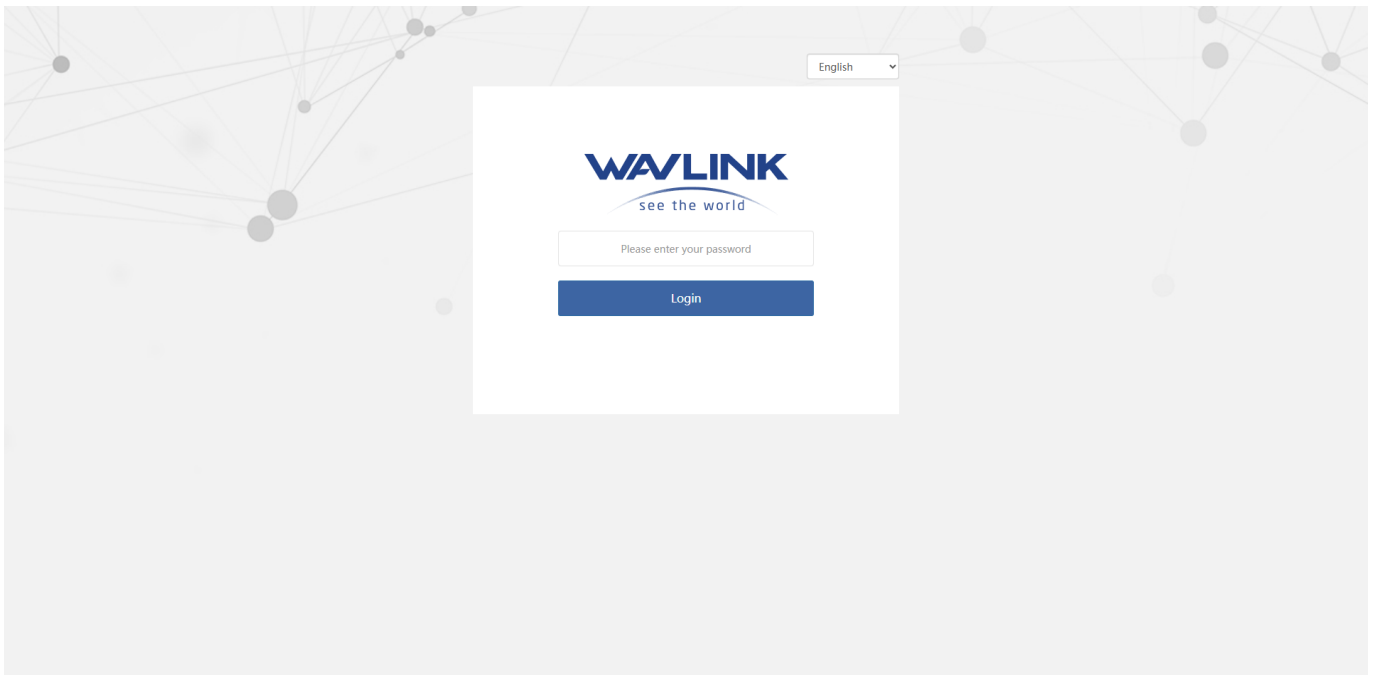
Configuration Wizard

Login & System Configuration

1. The login page will pop up when the router is connected to your devices for the first time. You can also launch a browser from your computer or smart phone and enter <http://waplogin.link> or **192.168.10.1** into the address bar(not search bar).



2. For your network security, we suggest that you set a new login password.



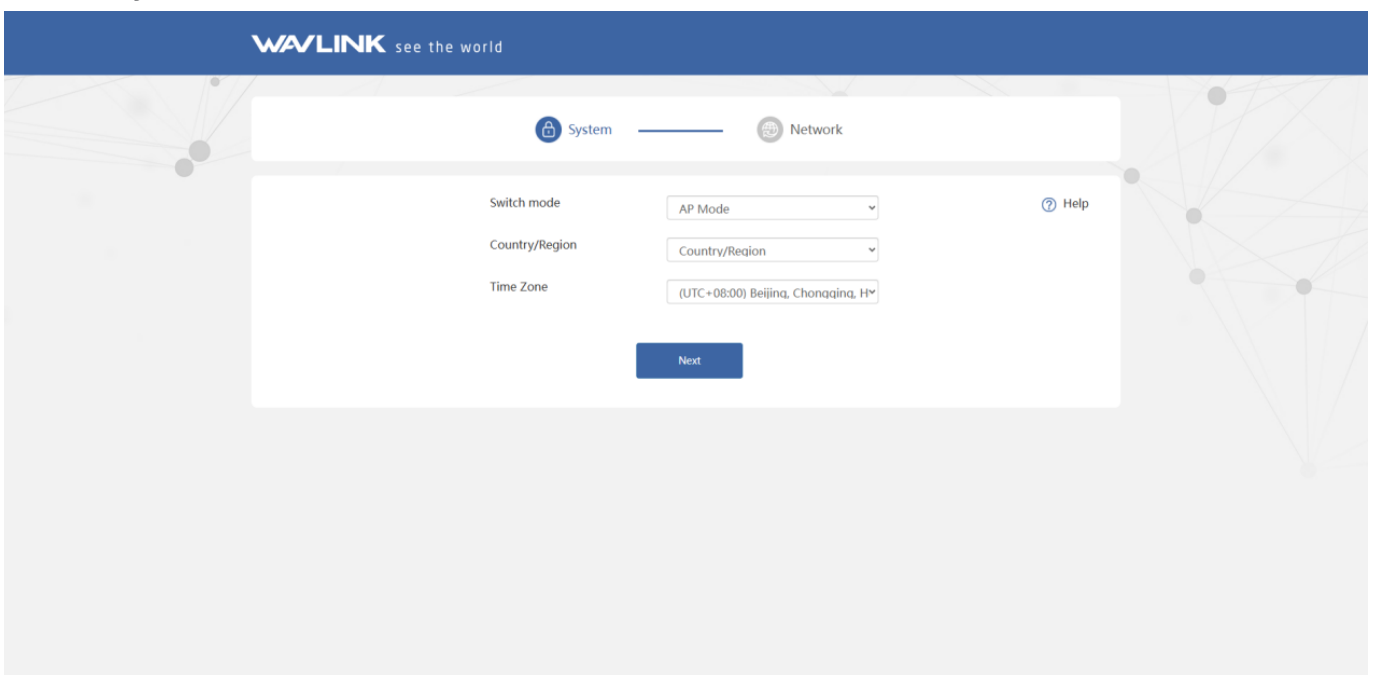
Mode Selection

This product supports 3 modes.

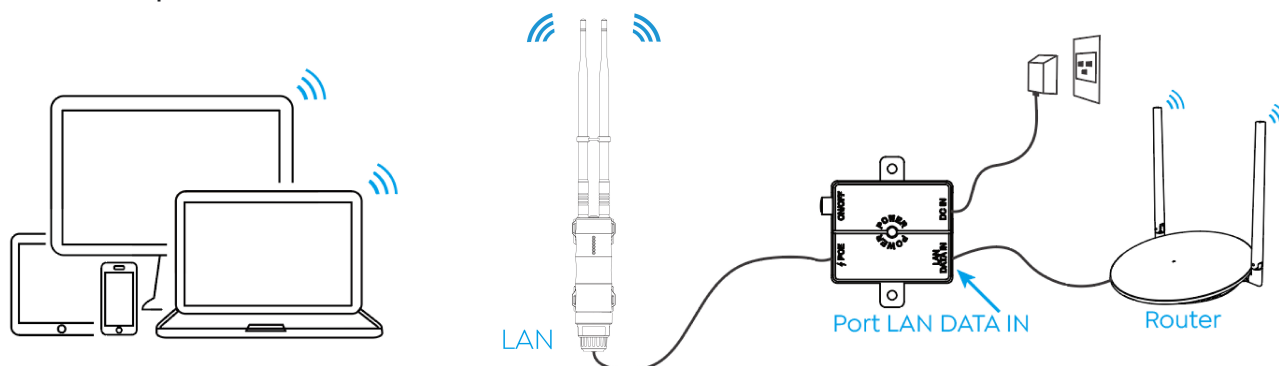
AP Mode

The purpose of AP mode: AP mode can help you convert existing wired signals into wireless signals.

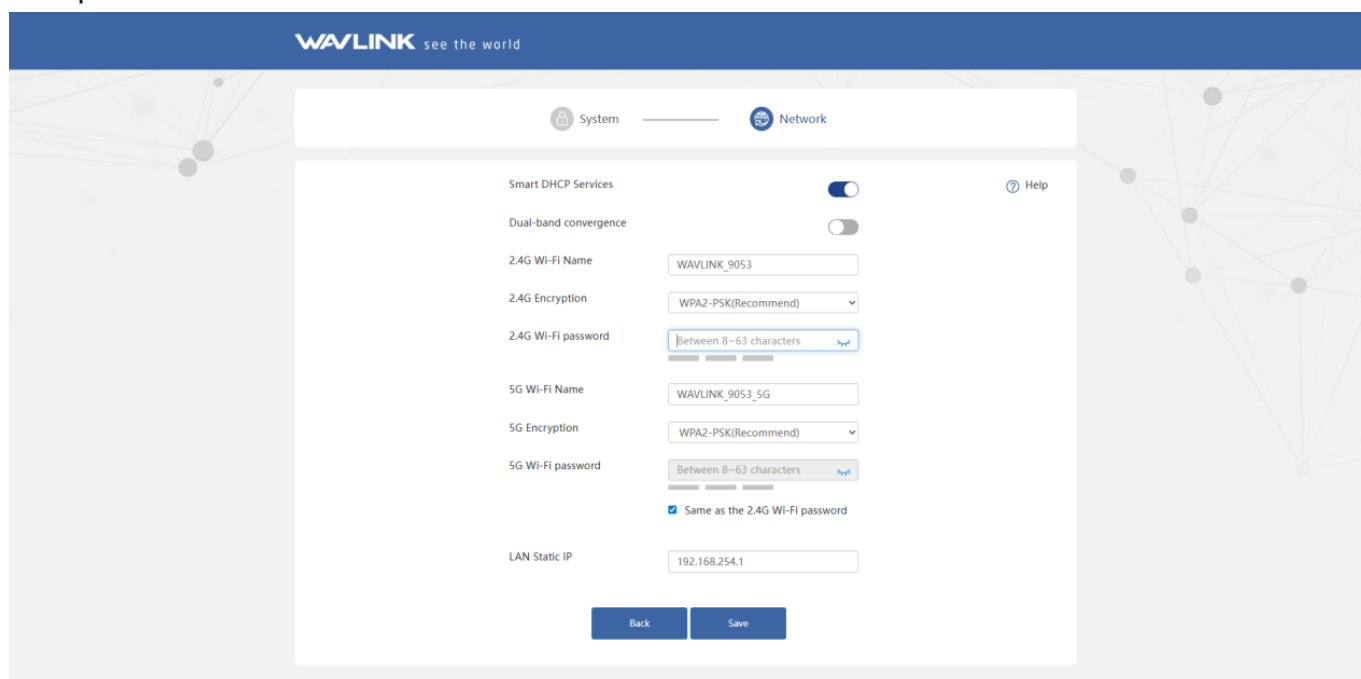
1. The system selects AP mode by default, there is no need to select the AP mode manually. Click on **Next**.



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.



3. 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.



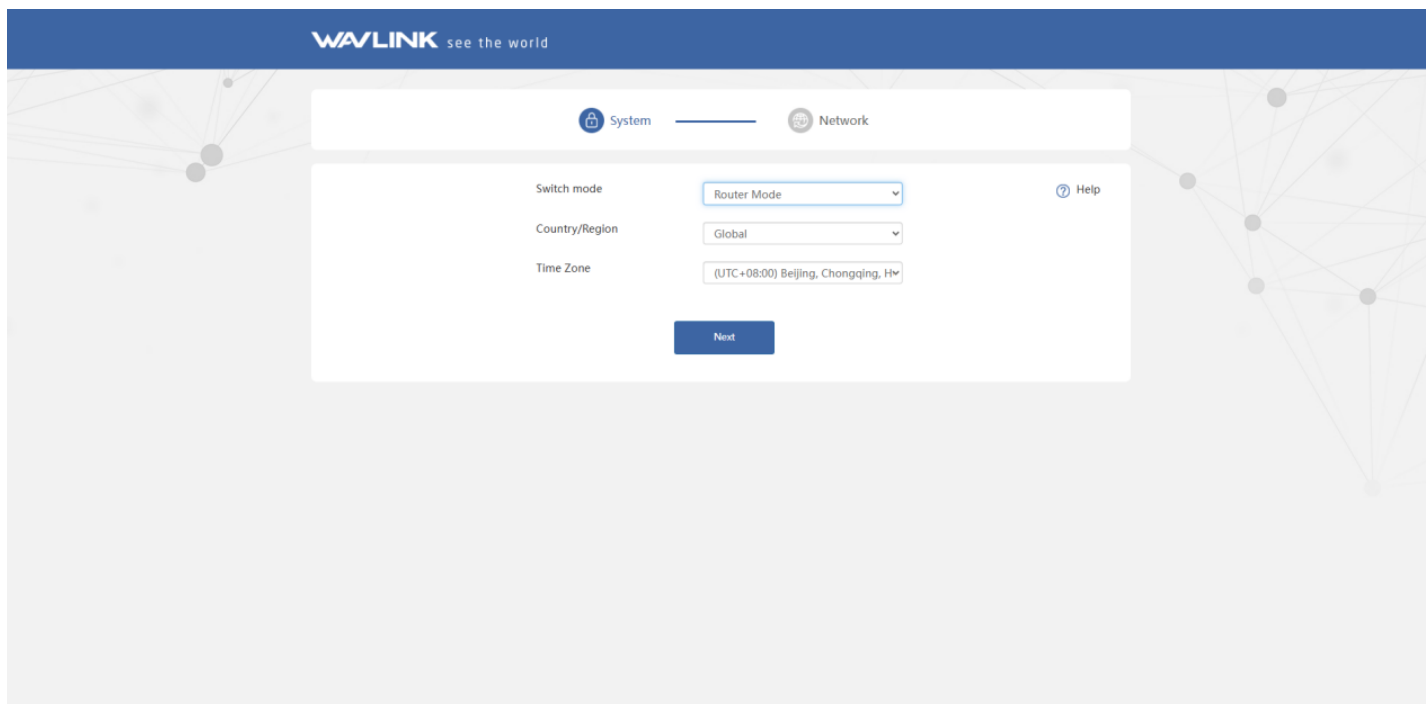
Note

- **For Smart DHCP Service:** With smart DHCP service being enabled, if the upstream device is not been connected or the upstream device is unable to provide IP, the router will assign the IP automatically. If no automatic IP assignment is needed, it is recommended to disable it.
- After configuration in AP mode. To log in the management page again, please connect the WiFi signal of WAVLINK device and use <http://waplogin.link> to log in. (<http://192.168.10.1> might not work)

Router Mode

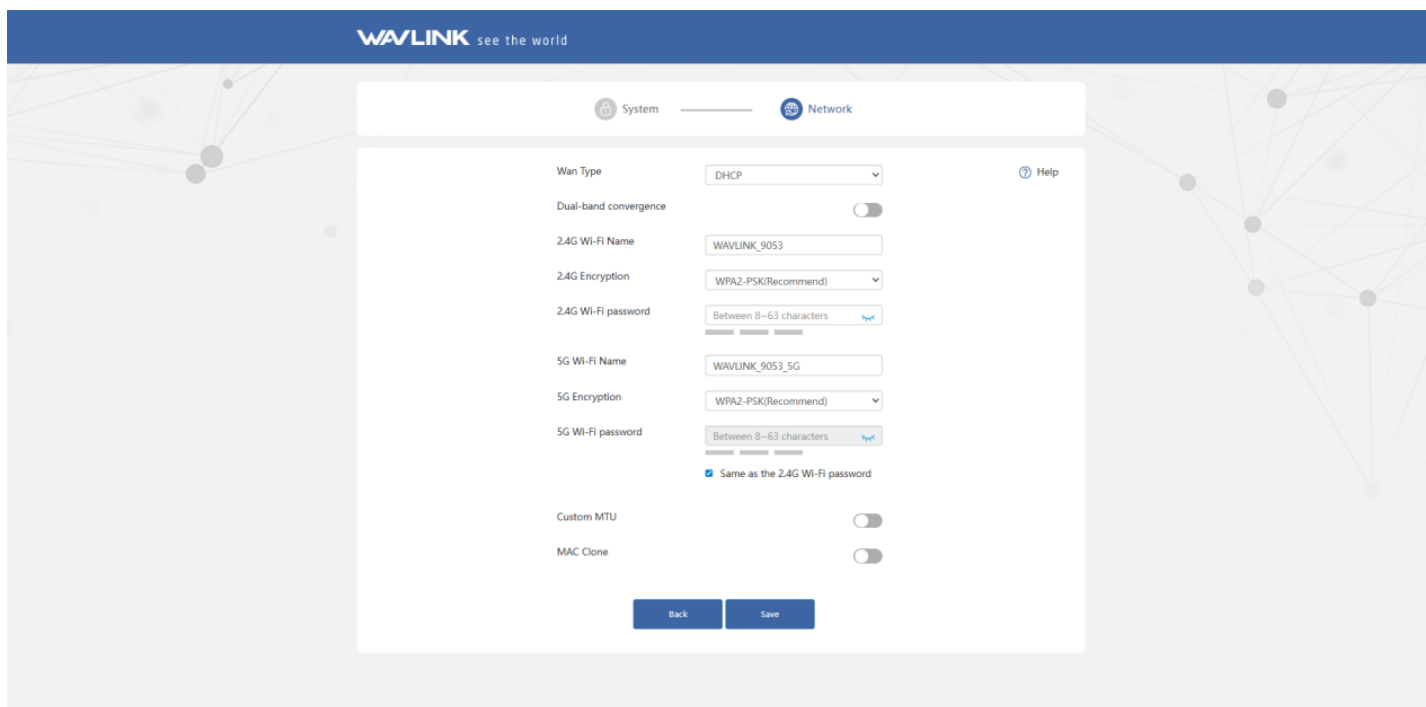
The purpose of router mode: Router mode can help you convert existing wired signals to wireless signals, supports wired connections, Wi-Fi networking, and internet sharing among multiple devices.

1. Select **Router Mode** from the 'Switch mode' drop-down menu. Click on **Next**.



The screenshot shows the Wavlink web interface with the 'System' tab selected. The 'Switch mode' dropdown is set to 'Router Mode'. The 'Country/Region' is set to 'Global' and the 'Time Zone' is set to '(UTC+08:00) Beijing, Chongqing, H...'. A 'Next' button is visible at the bottom of the configuration panel.

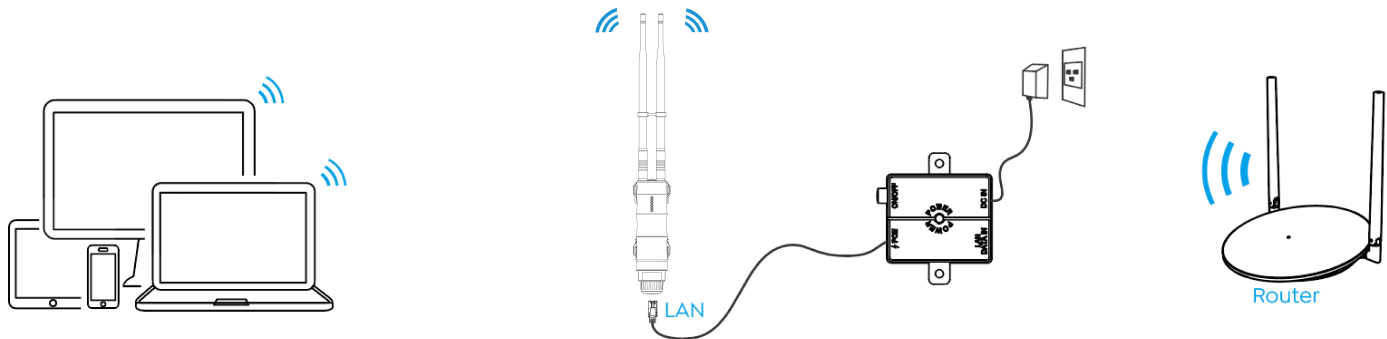
2. Configuring the corresponding **WAN Type**, **SSID**(Wi-Fi name), **Encryption Method** and **Password**, then click **Save**.



The screenshot shows the Wavlink web interface with the 'Network' tab selected. The 'Wan Type' is set to 'DHCP'. The 'Dual-band convergence' toggle is turned off. The '2.4G Wi-Fi Name' is 'WAVLINK_9053', '2.4G Encryption' is 'WPA2-PSK(Recommend)', and '2.4G Wi-Fi password' is 'Between 8-63 characters'. The '5G Wi-Fi Name' is 'WAVLINK_9053_5G', '5G Encryption' is 'WPA2-PSK(Recommend)', and '5G Wi-Fi password' is 'Between 8-63 characters'. The 'Same as the 2.4G Wi-Fi password' checkbox is checked. The 'Custom MTU' and 'MAC Clone' toggles are turned off. 'Back' and 'Save' buttons are at the bottom.

Repeater Mode

The purpose of repeater mode: In repeater mode, the WAVLINK device can establish a wireless connection with the upstream router. And it will create one or two new WiFi signals to cover a larger area.



1. Select **Repeater Mode** from the 'Switch mode' drop-down menu. Click on **Next**.

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System Network

Switch mode: Repeater Mode

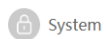
Country/Region: Global

Time Zone: (UTC+08:00) Beijing, Chongqing, Hk

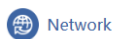
Next

Select Wi-Fi

2. 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

5G/2.4G

	17F-CK-BE_623E	☐
	WIFI_0566_5G	☐
	Kogan_Touch	☐
	WIFI_0566_5G_EXT5G	☐
	WAVLINK_2B8A	☐
	101BE2A_5G_7777	☐
	012345678_EXT5G	☐

Back

Rescan

Next

3. Enter the WiFi password for the wireless network that you have selected. Set the wireless network encryption mode and password for this device. Click **Save**.



Superior wireless network information

[? Help](#)

Superior Network Name

WAVLINK_2B8A

Superior Password

Between 8~63 characters

Wireless network information of this device

Connection Type

Bridge(Recommend)

2.4G Wi-Fi Name

WAVLINK_2B8A_EXT2.4G

2.4G Encryption

WPA2-PSK(Recommend)

2.4G Wi-Fi password

Between 8~63 characters

5G Wi-Fi Name

WAVLINK_2B8A_EXT5G

5G Encryption

WPA2-PSK(Recommend)

5G Wi-Fi password

Between 8~63 characters

Back

Save

Manual Input

If the WiFi signal of the upstream router is hidden, you could enter its WiFi name manually.

1. Manually add the wireless network you want to connect, 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

Channel

Encryption Method

Back

Next

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

Wireless network information of this device

[? Help](#)

Connection Type

2.4G Wi-Fi Name

2.4G Encryption

2.4G Wi-Fi password

5G Wi-Fi Name

5G Encryption

5G Wi-Fi password

Back

Save

Chapter 3 Network Management

This chapter contains the following sections :

- [Network Settings](#)
- [LAN Settings](#)
- [Setting Static IP Binding](#)
- [MAC Filter](#)

Network Settings

The way of network access can be changed as your requirement through configuring the network setting. Choose the **WAN Type** according to the method provided by the ISP.

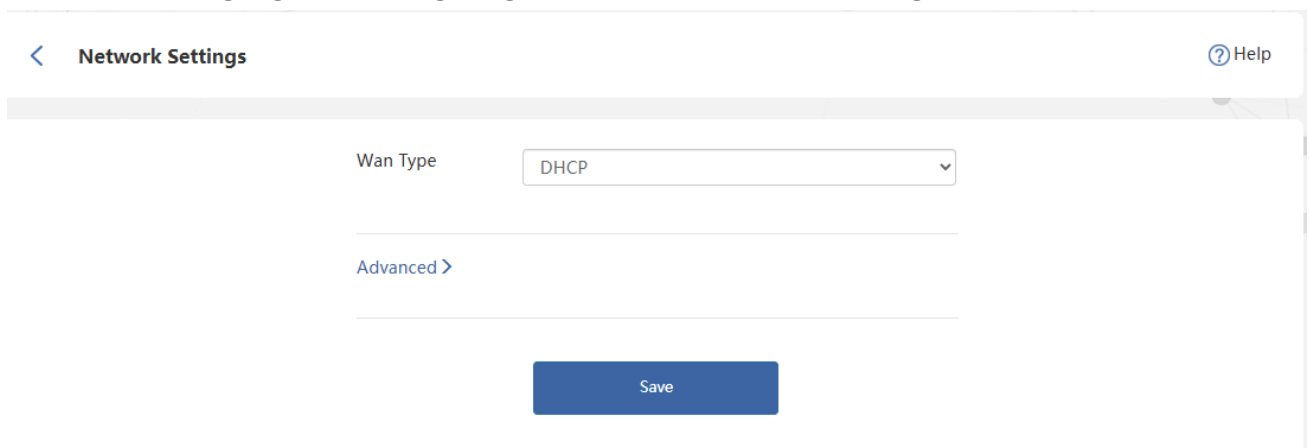
- **DHCP:** Network parameters configured automatically by your ISP
- **Static IP:** Requires manual entry of IP address, Subnet Mask, Gateway, DNS1 and DNS2
- **PPPoE:** Requires ISP-provided Username and Password.

1. **Advanced > Network Settings.**

2. Select **Wan Type** from the list.

1) DHCP(Dynamic Host Configuration Protocol)

- It assigns network information including IP, Subnet Mask, default Gateway and others, managing and assigning IP without manual configuration.



The screenshot shows a web interface for 'Network Settings'. At the top left is a back arrow and the title 'Network Settings'. At the top right is a 'Help' icon. Below the title bar, there is a 'Wan Type' label followed by a dropdown menu currently showing 'DHCP'. Below this, there is a link labeled 'Advanced >'. At the bottom of the form is a blue 'Save' button.

2) PPPoE(Point-to-Point Protocol over Ethernet)

- It is designed for broadband access methods such as ADSL, fiber optics and others to provide a secure network connection.
- The **Name** and **Password** provided by your ISP is required.

[<](#) Network Settings [? Help](#)

Wan Type

PPPOE

Name

Password

[Advanced >](#)

Save

3) Static IP

- It assigns fixed IP address for the computer automatically. It is designed for servers, remote access, etc., which require long-term stability to ensure the stability of network connections.
- Correct **IP Address**, **Subnet Mask**, **Gateway**, **DNS1** and **DNS2** is required.

[<](#) Network Settings [? Help](#)

Wan Type

Static IP

IP Address

Subnet Mask

Gateway

DNS1

DNS2

[Advanced >](#)

Save

Advanced Settings

- **Custom MTU(Maximum Transmission Unit)**

The MTU(Maximum Transmission Unit) is the largest size of a data packet that can be transmitted over the network. If your ISP requires you to adjust the MTU size,

enable this option. Otherwise, we recommend you to keep it disabled for optimal network performance.

- **MAC Clone**

If the network operator only permits single device to access the internet, you can enable **MAC Clone** and spoof the MAC address of the originally connected device. This allows other devices connected to the router to access the internet normally.

- **Custom DNS**

If the network operator assigned fixed DNS address for you, you can enable **Custom DNS** and input the address provided. Otherwise, manual activation is unnecessary—the router will automatically obtain DNS addresses.

[<](#) **Network Settings** [? Help](#)

Wan Type

DHCP

Advanced

Custom MTU

1500

MAC Clone

Custom MAC address

80:3F:5D:86:E7:26

Custom DNS

DNS1

DNS2

Save

LAN Settings

DHCP(Dynamic Host Configuration Protocol) server automatically assigns IP addresses to devices on the LAN. To modify DHCP settings, refer to the instructions below.

1. Click **Advanced** > **LAN Settings**.
2. Click to enable DHCP, and configure the corresponding information.

- **IP Address:** The IP address from which the router connects to the LAN. This can be used to log in to the router's network management page.
- **Subnet Mask:** The subnet mask that the router connects to the LAN.
- **Start IP, End IP:** The range of IP addresses that can be allocated by the router to connected devices.
- **Lease time:** This is the lease time of the IP address that the device obtains when accessing the router. If you need to modify it, please select it again in the Lease Time drop-down list.
- **Custom DNS:** Manually specify the DNS server address that the router assigns to devices on the local network, replacing the DNS provided by the ISP by default. Properly configuring DNS can speed up domain name resolution, improve online security, and enable access to specific websites. Typically, you need to enter the primary DNS (DNS1) and the secondary DNS (DNS2, optional). If left blank, devices will use the DNS obtained by the router's WAN interface by default.

3. Click **Save** to finish the setup.

The screenshot shows the 'LAN Settings' page in the Wavlink router's web interface. The page has a blue header with the Wavlink logo and navigation links: Home, Terminal, Wireless, Advanced, and Device. The main content area is titled 'LAN Settings' and contains a form for configuring LAN settings. The form includes a toggle for 'DHCP' (enabled), input fields for 'IP Address' (192.168.10.1), 'Subnet Mask' (255.255.255.0), 'Start IP' (192.168.10.100), and 'End IP' (192.168.10.249), a dropdown for 'Lease time' (1 day), a toggle for 'Custom DNS' (enabled), and input fields for 'DNS1' and 'DNS2(Optional)'. A blue 'Save' button is located at the bottom of the form.

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Setting Static IP Binding

It allows you to link the specific IP to the MAC address of customer devices. Using it, you can assign a fixed IP for the specific device.

1. Click **Advanced** > **Static IP**.
2. Click **Add a new rule** at the top right corner.

3. Input the **IP Address** and **MAC Address** from the binding device, then click **Bind**.

< Static IP

Add a new rule (+)

IP Address	MAC Address	Operate	
192.168.10.248	42:3D:E5:0F:7A:2F	Bind	Cancel

MAC Filter

MAC address filtering applies to both wired and wireless devices. Devices were added have no access to the Internet properly, and also cannot access to router's management interface, but can get the IP address assigned by router.

Note: MAC Filter may not apply to the terminals using random MAC address.

1. Click **Advanced**>**MAC Filter**.
2. Click to enable to **MAC Filter**.
3. If the **Guest Network Exception** is enabled, those devices from the guest wifi will not limited by the function of MAC filter.

< MAC Filter

? Help

MAC Filter



Guest Network
Exception



Add a new rule (+)

Device Name	MAC Address	Operate	
MI14U	A6:42:E6:18:F7:9A	Edit	Delete

4. Click **Add a new rule**, then select the **Device Name** and **MAC Address** to add.

Add Device

Select from List

☐

Device Name

MAC Address

☐

Xiaomi-14-Ultra

EE:63:E7:83:EB:A0

☐

other

B6:50:66:92:83:D1

Cancel

recognize

5. Or you can manually enter the **Device Name** and **MAC Address** to add.

Add Device

Manual Input

Device Name

MAC Address

:

:

:

:

:

Cancel

recognize

6. The device added has been in the list. It is available to edit or delete it.

Add a new rule 

Device Name	MAC Address	Operate	
MI14U	A6:42:E6:18:F7:9A	Edit	Delete

Chapter 4 Managing Wireless Network

This chapter contains the following sections:

- [Wireless](#)
- [Guest Wi-Fi](#)
- [Parental Control](#)
- [Signal Adjustment](#)

Wireless

In **Wireless**, you can configure the **SSID**(Wi-Fi name), **Encryption Method**, **Password**, and other wireless parameters for both the 2.4G and 5G networks.

WAVLINK see the world

Home Terminal **Wireless** Advanced Device

Enable it to make 2.4G and 5G Wi-Fi dual bands in one SSID. The router will automatically select the faster Wi-Fi band for you. If you disable it, you can set up the dual bands separately. ☒ Help

Wi-Fi

SSID: WAVLINK_9053

Encryption Method: WPA2-PSK(Recommend)

Password: *****

[Advanced >](#)

[WIFI schedule >](#)

[Save](#)

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Band Steering

When enabled **Band Steering**, both 2.4GHz and 5GHz wireless networks share the same Wi-Fi name. The router will dynamically assign devices to the optimal frequency band based on real-time network conditions. When disabled, you may configure separate Wi-Fi names and settings for the 2.4GHz and 5GHz bands.

Enable it to make 2.4G and 5G Wi-Fi dual bands in one SSID. The router will automatically select the faster Wi-Fi band for you. If you disable it, you can set up the dual bands separately.



SSID(Wi-Fi Name) and Password

1. Create a new Wi-Fi name in the **SSID** input field.
2. Select the **Encryption Method** from the dropdown list(WPA3-SAE/WPA2-PSK is recommended.)
3. Create a new Wi-Fi password in **Password**.

WAVLINK see the world

Home Terminal **Wireless** Advanced Device

Enable It to make 2.4G and 5G Wi-Fi dual bands in one SSID. The router will automatically select the faster Wi-Fi band for you. If you disable it, you can set up the dual bands separately. ☐ Help

2.4G WIFI

SSID: WAVLINK_9053

Encryption Method: WPA2-PSK(Recommend)

Password: [masked]

5G WIFI

SSID: WAVLINK_9053_5G

Encryption Method: WPA2-PSK(Recommend)

Password: [masked]

[Advanced >](#)

[WiFi schedule >](#)

Note: Using the new password to reconnect to the Wi-Fi network after setting up a new network.

Advanced

1. Click **Wireless > Advanced**.

Advanced

2.4G WIFI Settings

Channel	Automatic
Bandwidth	40MHz
Disable Wi-Fi	☐
Hide SSID	☐

5G WIFI Settings

Channel	Automatic
Bandwidth	80MHz
Disable Wi-Fi	☐
Hide SSID	☐
DFS	☒

[WIFI schedule >](#)

Save

- **Channel** and **Bandwidth** :

1. From the **Channel** dropdown list, select the operating channel for your wireless network. (If you are unsure about which channel to choose, it is recommended to select **Automatic**, so the device can automatically select the optimal channel based on the surrounding environment for your better network experience.)
2. From the **Bandwidth** dropdown list, select the bandwidth for the router's wireless data transmission.

- **Disable Wi-Fi:**

1. If enabling this feature, the corresponding Wi-Fi signal will be closed.

- **Hide SSID:**

1. After enabling this, the wireless signal for the corresponding network will be hidden.

- **DFS:**

1. After enabling this, the device will automatically avoid channels that are restricted in your region.

WiFi Schedule (Wireless Timer Switch)

The schedule function allows you to customize the date and time to control the wireless network switch, with up to three rules definable for the 2.4G and 5G separately. This feature only takes effect after obtaining the network time and only affects the main

network. For the guest network, you need to manually enable or disable this feature or define separate rules within the **Guest Network** settings.

1. Navigate to **Wireless > WiFi Schedule**.
2. Click on **Rule 1/2/3** under either the **2.4G wireless schedule** or **5G Wireless Schedule** to set the timing rules.
3. Click **Save** to complete the settings.

WiFi schedule▼

2.4G wireless schedule

Rule 1



	Blocking Start Time			Blocking End Time			
Internet Blocking Period	00 ▾	:	00 ▾	~	00 ▾	: 00 ▾	
Internet Blocking Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

Rule 2



Rule 3



5G Wireless Schedule

Rule 1



	Blocking Start Time			Blocking End Time			
Internet Blocking Period	00 ▾	:	00 ▾	~	00 ▾	: 00 ▾	
Internet Blocking Day	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

Rule 2



Rule 3



Note:

- The schedule is based on the router's time. You can modify the time in **Advanced > Time Zone**.

Guest Wi-Fi

This feature allows you to provide Wi-Fi to guests without exposing your main network. When you have visitors at your home, apartment, or workplace, you can create a guest Wi-Fi for them. Additionally, you can customize guest Wi-Fi settings to ensure security and privacy.

1. Navigate to **Advanced > Guest Wi-Fi**.
2. Click to enable **Guest Wi-Fi**.

3. Set the **SSID(Wi-Fi Name)**.
4. Set the encryption method in the **Guest Wi-Fi Mode**, you need create a password if choosing **encrypted mode**; You do not need a password to access the network if choosing **Unencrypted mode**.
5. If enable the **Device Isolation**, the devices will not support mutual access.
6. Set the opening time of guest Wi-Fi in the **WIFI schedule**.
7. Click **Save** to complete the settings.

[<](#) Guest Wi-Fi

Guest Wi-Fi

Guest Wi-Fi

SSID

WAVLINK_Guest

Guest Wi-Fi Mode

Unencrypted mode

Device Isolation

Turn On

Wi-Fi Schedule

Rule 1

Rule 2

Rule 3

Save

Parental Control

Parental Wi-Fi allows you to set up a separate wireless network for family members. You can configure its SSID, encryption method, and rules.

1. Navigate to **Advanced > Parental Control**.
2. Click to enable **Parental Control**.
3. Set the **SSID**, **Encryption Method**, and **Password**.
4. Set the **Internet Blocking Period** and **Internet Blocking Day** in **Rule 1/2/3** to control internet access time.

5. Click **Save** to complete the settings.

< Parental Control

Parental Control ☒

Wi-Fi

SSID Parental-Wi-Fi

Encryption Method WPA2-PSK(Recommend) ▼

Password Please enter your password

WIFI schedule

Rule 1 ☐

Rule 2 ☐

Rule 3 ☐

Save

Signal Adjustment

In environments with different areas, the requirements for the signal transmission strength of routers also vary. Given that signal quality is ensured, larger areas and more obstacles necessitate higher signal strength. In smaller environments, relatively lower signal strength can be configured, which not only saves energy and reduces radiation but also decreases the risk of unauthorized access.

1. Click **Advanced>Signal Adjustment**.
2. Select the signal strength from the list of **Signal Adjustment**.

Signal
Adjustment

High



Save

Chapter 5 Network Security

Security Settings

1. Navigate to **Advanced** > **Security Settings**.
2. **Block Ping**: It can prevent ping attacks and scanning and reduce the risk of network attacks on this device.
3. **Port Scan Blocking**: It can protect server ports on devices from attacks.
4. **Block DDoS Attacks**: It enables the router to avoid the massive resource consumption caused by DDoS attacks, and ensures normal services.
5. Click **Save** to finish the configuration.

[<](#) Security Settings [? Help](#)

Block Ping

☐

Block Port Scanning

☐

Block DDoS Attacks

☒

Save

Chapter 6 Remote Control

Remote Control

With this function, you can manage this router remotely via the Internet. Input **http://WAN IP: port number** for remotely accessing this device. We recommend you write this router's WAN port number down before using this function.

1. Access to **Advanced > Remote Control**.
2. Click to enable **Remote Control**.
3. Set **External Port**.
4. Click **Save** to complete settings.

[<](#) Remote Control [? Help](#)

Remote Control

☒

External Port

Save

Chapter 7 Net Tools

Network Diagnostics

The network diagnosis will check the status of the upstream network, router network status, and device's system status. The test results may be affected by the environment where the router is located and the upstream network, therefore the test results are for reference only.

1. Access to **Advanced** > **Network Diagnostics**.
2. Click **Start Testing**.

< Network Diagnostics

Help



If your device is unable to connect to the Internet or the network is unstable, we recommend that you perform a test

Start Testing

WAN Status	Check WAN port status, IP acquisition, and port rate limit	Not detected
Internet status	Detect the connectivity status between devices and gateways and networks	Not detected
Wi-Fi status	Detect Wi-Fi signal interference status	Not detected
Memory detection	Check memory and CPU usage	Not detected

3. When the testing is done, click **One-click fix**, or follow the prompt to optimize the network.

< Network Diagnostics

Help



Detection completed. The results are as follows

One-click fix

WAN Status

Check WAN port status, IP acquisition, and port rate limit



WAN Port and Network Cable Connection Status



WAN IP Address Status

Contact your carrier to troubleshoot or check if the network cable is connected correctly



WAN Port Network Link Speed

Link rate:1000M Full duplex

Internet status

Detect the connectivity status between devices and gateways and networks



Ping Testing Status

Ping WAN gateway is incorrect, please contact the carrier to solve it



Network connection status

DNS resolution error, please contact the carrier to solve it



Wi-Fi status

Detect Wi-Fi signal interference status



2.4G Wi-Fi Signal Status



5G Wi-Fi Signal Status

Wi-Fi signal interference is strong



Memory detection

Check memory and CPU usage



Chapter 8 System Setting

This chapter contains the following sections:

- [Firmware Upgrade](#)
- [Change Admin Password](#)
- [Set System Time](#)
- [LED Control](#)
- [Backup and Restore](#)
- [Timing Reboot](#)

Firmware Upgrade

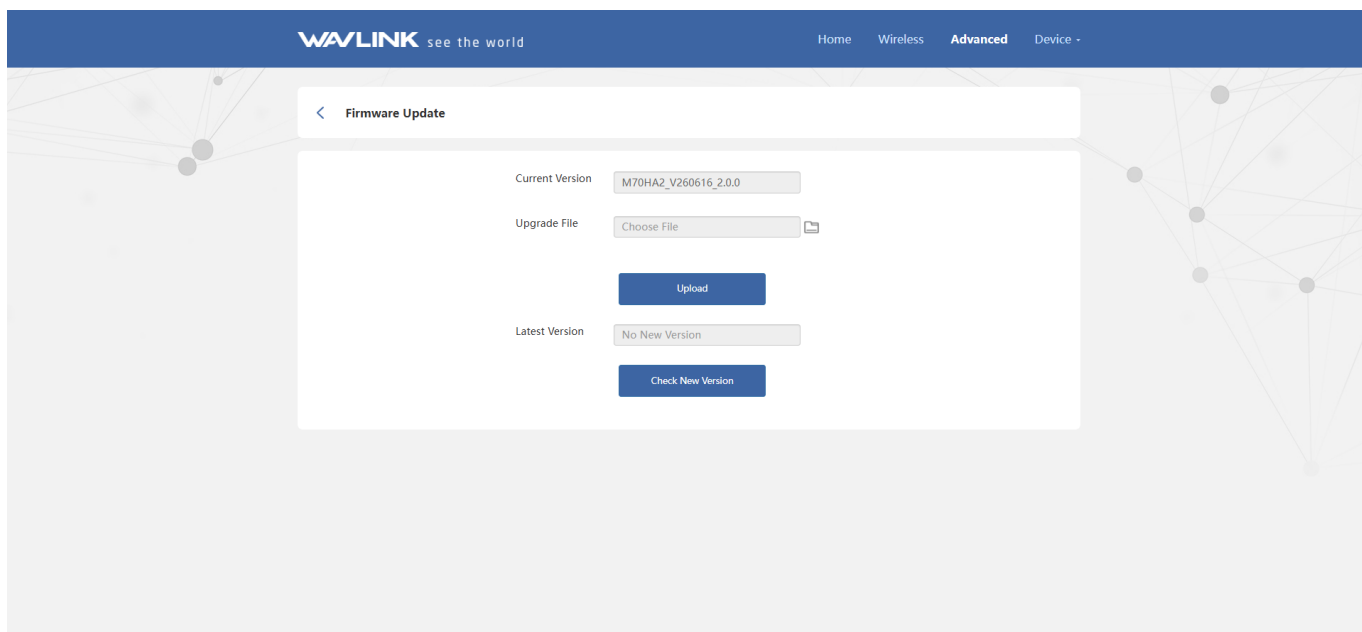
Regular firmware upgrade can obtain the newest functions and security patches, improving the performance and stability of the router, and fixing possible bugs and security risks.

WAVLINK provides two methods to upgrade your firmware: **Local Upgrade** and **Online Upgrade**. You can choose one of them to update your firmware.

Access to **Advanced** > **Firmware Upgrade**.

Local Upgrade

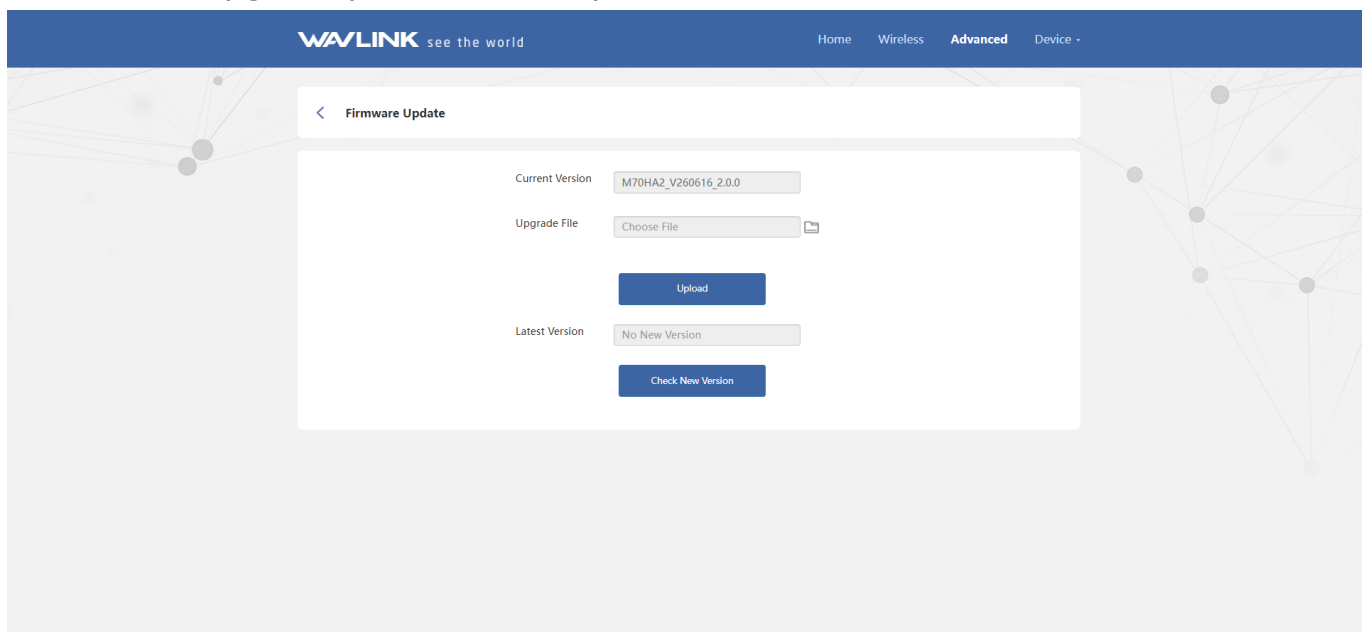
1. Access to WAVLINK official website: www.wavlink.com. Download the upgrade software corresponding to your current device version.
2. Select the device that needs to be updated.
3. Click on **Choose File** or **File** icon, and select the firmware file that needs to be uploaded. Click on **Upload**.
4. Wait for the upgrade process to complete.



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Online Upgrade

1. Tick the device that needs to be updated.
2. Click on **Check New Version** to view the upgradable version to update.
3. Click **One-Click Upgrade**.
4. Wait for the upgrade process to complete.



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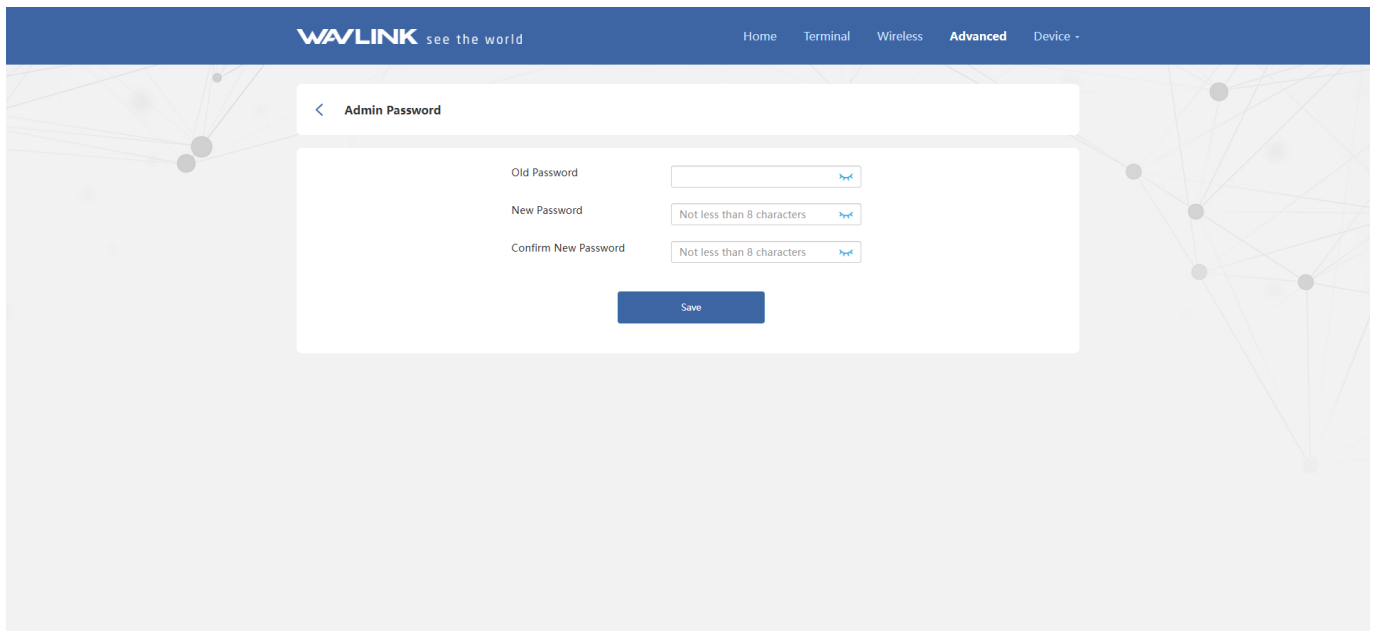
Note:

- After updating, the router will automatically reboot to apply new firmware. The process will take few minutes to complete, please wait patiently.

- During updating, the router can't be powered off in case the firmware gets damaged.

Change Admin Password

1. Access to **Advanced** > **Admin Password**.
2. Input the current one on the **Old Password** text field.
3. Input the new one on the **New Password** and **Confirm New Password** text field, ensuring the inputted password is the same.
4. Click on **Save** to complete password changing.



The screenshot shows the WAVLINK web interface. At the top is a dark blue header with the WAVLINK logo and navigation links: Home, Terminal, Wireless, Advanced (selected), and Device. Below the header is a white card titled 'Admin Password' with a back arrow. Inside the card are three password input fields: 'Old Password', 'New Password' (with a hint 'Not less than 8 characters'), and 'Confirm New Password' (also with a hint 'Not less than 8 characters'). Each field has a toggle icon for password visibility. A blue 'Save' button is at the bottom of the card. The background features a light gray geometric pattern.

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Set System Time

The system time is the time displayed during device runtime. The system time configured here will be used for other time-dependent functions, such as Wi-Fi schedules and timing reboot.

1. Access to **Advanced** > **Time Zone**.
2. Select the time zone from the dropdown list of **Time Zone**.
3. Enable **Daylight Time**(optional).
4. Click on **Save** to complete the configuration.

Current Time 2024/11/09 09:19:42

Time Zone (UTC-00:00) Dublin, Edinburgh, Lisbon, London ▼

Daylight Time ☐

Save

LED Control

The router's LED provide real-time feedback on the device's operational status. By observing the light color, flashing patterns, or illumination status, you can quickly determine whether the router is functioning properly and help identify potential issues. If needed, you may also enable or disable the LED indicator in the settings.

1. Access to **Advanced** > **LED Control**.
2. Enable/Disable **LED Status**.
3. Click on **Save** to complete the configuration.

LED Status ☒

Save

Backup and Restore

Access to **Advanced** > **Backup and Restore**.

Backup the Current Configuration of the Router

The system will automatically create a backup file containing all current configuration settings. The configuration file will then be downloaded to your computer via your browser. Please confirm saving the file when prompted in the browser dialog.

Restore the Router's Configuration

If you accidentally forget previous settings after modifying certain configuration options, you may upload a previously saved backup file to the system and click **Restore Configuration** to revert to earlier settings. Please note that this operation will overwrite all current configuration settings, so carefully consider before proceeding.

1. Click the file icon in the backup file field, then select the configuration file you wish to restore.
2. Click on **Restore Configuration**, and wait a few minutes to restore the configuration and restart the router.

Reset Router to Default Factory Settings

1. Click on **Restore factory settings** to reset the router.
2. Wait a few minutes for the reset and reboot.

[<](#) Backup and Restore [? Help](#)

Generate Backup File

Upload File

Please select a backup file

Restore Configuration

Restore factory settings

Timing Reboot

Automatic reboots can help clear unnecessary data from your router and automatically select optimal wireless channels. Before enabling **Reboot plan**, ensure the system time is accurate. When router uptime is less than 60 minutes, the device will skip non-essential reboots after reaching the scheduled reboot time.

1. Access to **Advanced > Timing Reboot**.
2. Click to enable **Reboot plan**.

3. Configure **Reboot time** and **Reboot date**.
4. Click **Save** to complete the configurations.

< Timing Reboot

? Help

Reboot plan



Current Time 2024/11/09 09:19:42

Reboot time

00

:

00

Reboot date

Su

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Th

Fr

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Save

Chapter 9 FAQ

This chapter contains the following sections :

- [FAQ](#)
- [GNU General Public License Notice](#)
- [After-sale-Service](#)

FAQ

Q1. What should I do if I could not log in the management page?

1. Please connect the wifi signal of wavlink device then use <http://waplogin.link> or <http://192.168.10.1> to log in the management page.
2. Try to use different device like your phone or pc to log in the management page.
3. If you try to use your phone to log in the management page, please try to disable the mobile network.
4. If you try to use your pc to log in the management page, please make sure your pc is not connect to the router via Ethernet cable.

Q2. Is the power adapter and PoE box waterproof?

- No, they are not waterproof, please keep them away from the water.

Q3. Wi-Fi doesn't reach the advertised distance, what should I do?

- When there is no obstacle between the wavlink device and the target area, the 5G signal could reach about 300m and the 2.4G signal could reach about 100m.
- Please try to avoid the obstacle.
- The actual distance may depend on the environment.
- Please be free to contact our support team if you meet any problem.

Q4. Should I install the ground wire?

- Yes, it is necessary to install the ground wire to avoid static electricity and lightning strikes.

Q5. What should I do if I could not get internet from wavlink device after configuration?

- If you configure the wavlink device as repeater mode.

1. Please make sure you should enter the correct wifi password of the host router when you try to repeat the wifi signal.
 2. Please make sure the DHCP of the host router is enabled.
 3. Make sure the mac filter of the host router is not enabled.(Otherwise the wavlink device might be blocked).
- If you configure the wavlink device as AP mode.
1. Please make sure the DHCP of the host router is enabled.
 2. Make sure the mac filter of the host router is not enabled.(Otherwise the wavlink device might be blocked).
 3. Please connect the pc to the modem/host router via Ethernet cable directly and check if you could get internet.(To rule out the problem of the modem/router).

Q6. Can this device form a mesh network with my routers of other brands?

- No, this device could only form mesh system with the specific wavlink device which supports everything mesh technology.

Q7. Could this device work with starlink router?

- Yes, our device could support ap/router/repeater mode.
- In repeater mode, it could build a wireless connection with the starlink router.
- In router/ap mode, you could connect the wavlink device to the modem/host router via Ethernet cable.

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After-sale Service

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

Mon-Fri 9:00 am - 6:00 pm (UTC-5)

www.wavlink.com



**Thank you for purchasing
WAVLINK product!**

Chapter 10

Safety and Emission Statement

CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

NOTE:

(1)The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2)To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity Hereby, Winstars Technology Limited, declares that the radio equipment type Greenwood 5 1200G is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following Internet address:https://www.wavlink.com/en_us/ce.html

FCC Statement 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.

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 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.

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

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

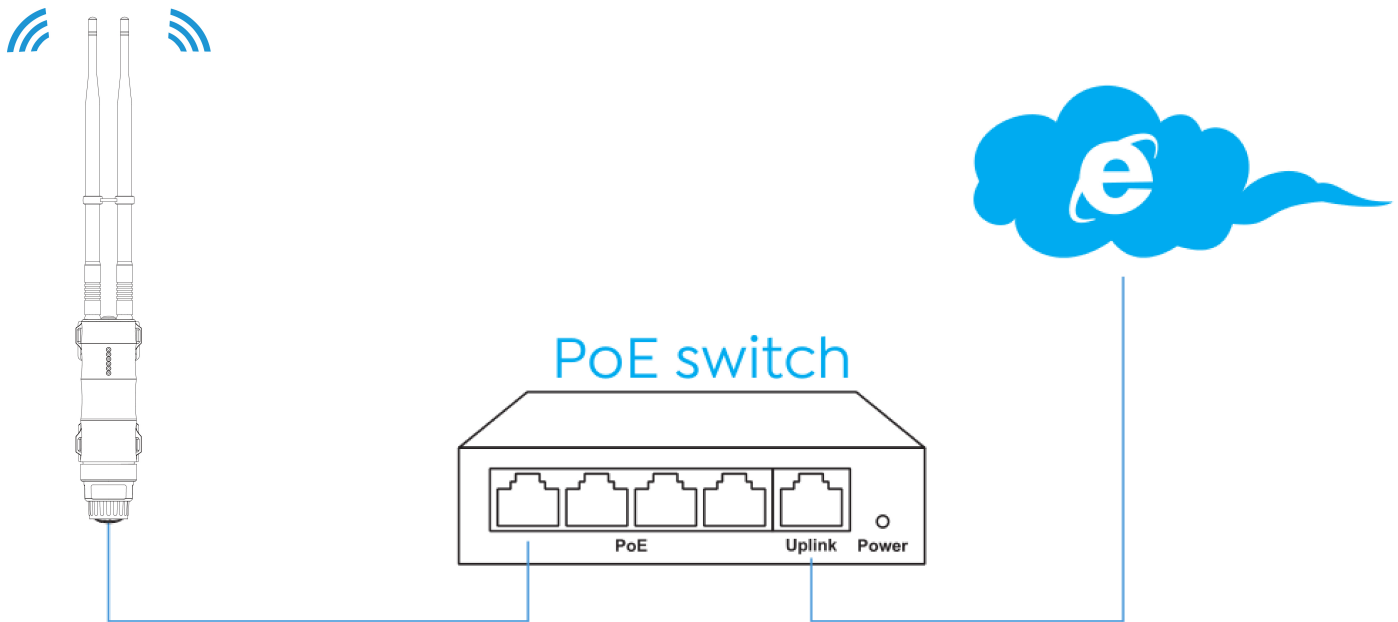
Chapter 11 FAT AP and FIT AP

This chapter contains the following sections :

- [FAT AP and FIT AP](#)

FAT AP and FIT AP

This product supports FAT AP and FIT AP mode. In **FAT mode**, the AP operates with its own management interface and can be configured independently, similar to a standard wireless access point; this mode is primarily employed in small-scale networks that do not use an AC controller.



In **FIT mode**, the AP is centrally managed by a WAVLINK AC(Wireless Access Point Controller). As a Fit AP, it primarily handles data transmission and basic radio frequency, while all network configurations, security policies, and traffic controls are managed by the AC. Fit APs are used in an AC+AP architecture and must operate in conjunction with a WAVLINK AC. FIT mode is ideal for larger networks characterized by extensive coverage, a high density of users, and requirements for high-performance and secure operations.

