

WAVLINK



see the world

AC1200 Dual Band Wi-Fi Range Extender

Model: AERIAL D4A

@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

Convention	Description
	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/>.

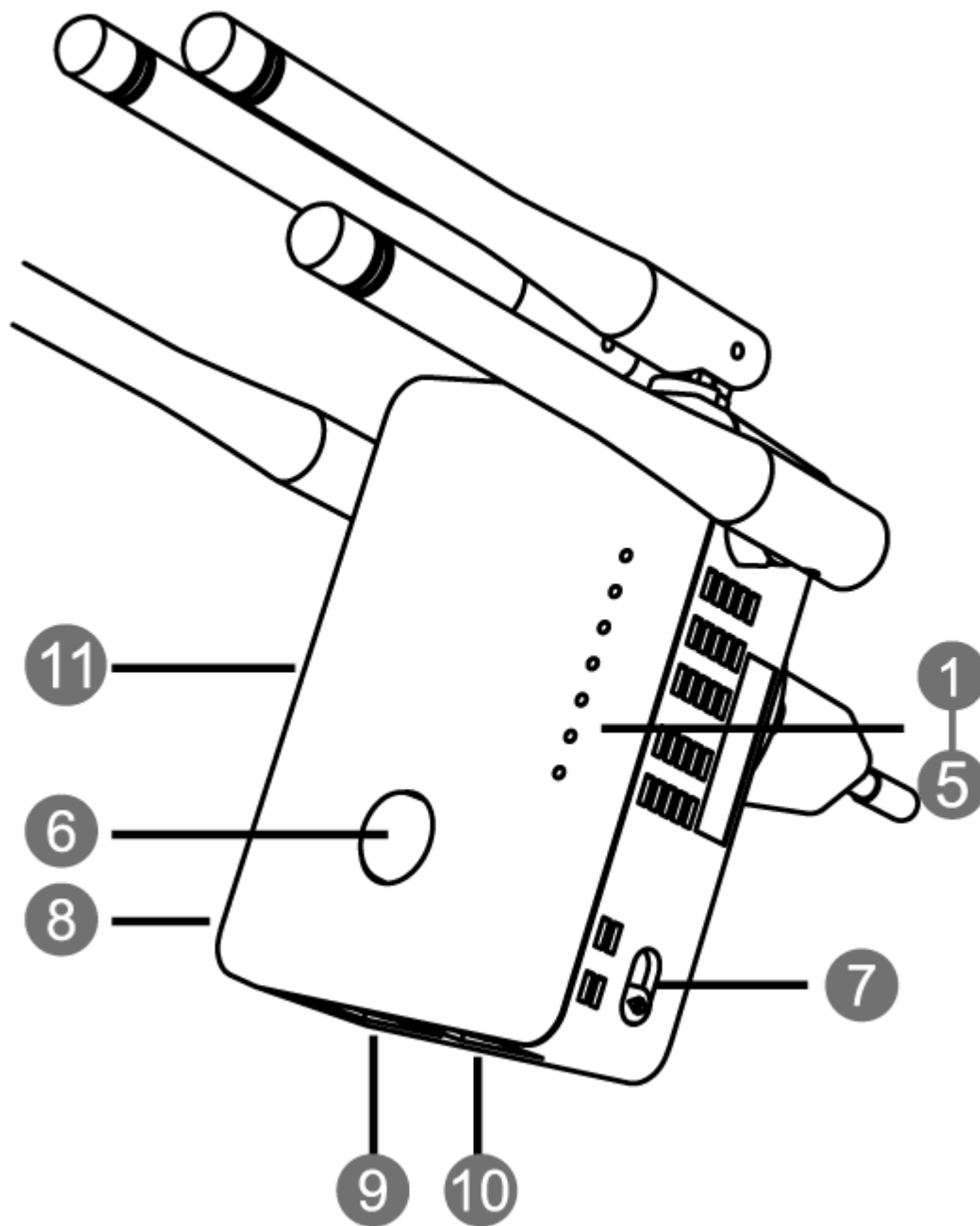
If you encounter any issues, please don't hesitate to email contact@wavlink.com to provide feedbacks or contact online customer service, thank you !

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.

Chapter 1 Product Overview

Product Overview



- ①Signal Strength Indicator LEDs
- ②WPS LED
- ③WAN/LAN LED
- ④LAN LED
- ⑤Power LED
- ⑥WPS Button
- ⑦Mode Selector
- ⑧POWER On/Off

⑨ LAN Port

⑩ WAN/LAN Port

⑪ Reset Button

Chapter 2 Indicator and Button

This chapter contains the following sections :

- [LED Indicators](#)
- [Wi-Fi Signal Strength](#)
- [WPS Button](#)

LED Indicators

POWER	ON: The Extender is powered on. OFF: The Extender is not receiving electrical power.
WAN/LAN	ON: The Ethernet port is connected. OFF: The Ethernet port is disconnected. Flashing: Transferring data to/from connected devices.
WPS	Slow Flashing: The Extender is trying to connect to your phone or PC. Fast Flashing: The Extender is connecting to your AP or router.

Wi-Fi Signal Strength

Mode	—	▬	■	Description
AP/Router	ON	ON	ON	Full Reception: 100%
Repeater	ON	ON	ON	Full Reception: 100%
Repeater	ON	ON	OFF	Good Reception: 50% to 75%
Repeater	ON	OFF	OFF	Weak Reception: below 50%

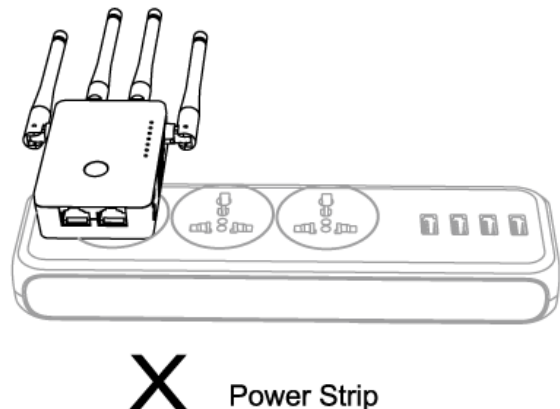
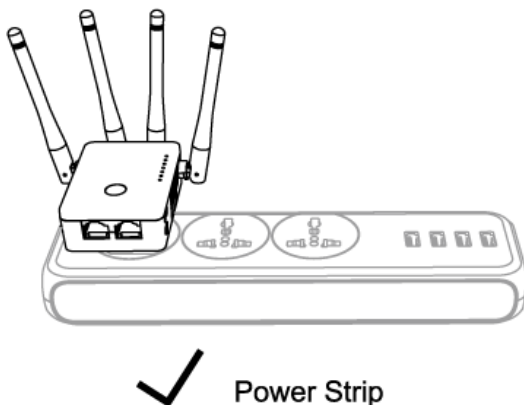
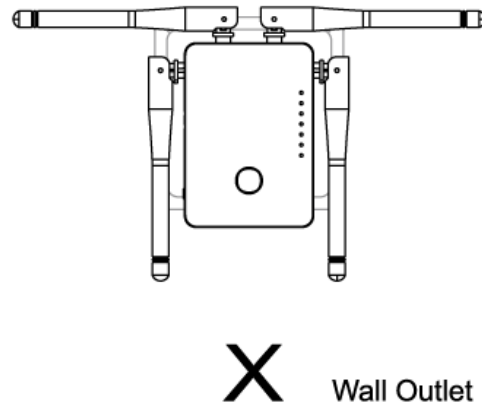
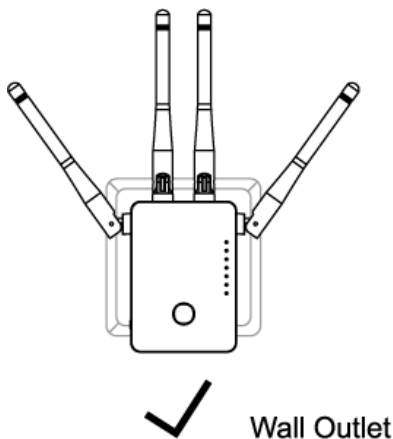
Mode	—	—	■	Description
Repeater	Flashing	OFF	OFF	Disconnected

WPS Button

Press and hold for **2** seconds, the Extender is trying to connect to your phone or PC. Press and hold for **6** seconds to connect to your Wi-Fi AP/Router (for Repeater Mode). Reset Button: Press and hold for **3** seconds to Reset the Extender.

Please DO NOT install the Extender in where it is heavily surrounded by things. And KEEP AWAY from the strong electromagnetic radiation.

- Drawings with “√” : Recommended -Drawings with "X" : Not Recommended



Chapter 3 Mode Configuration

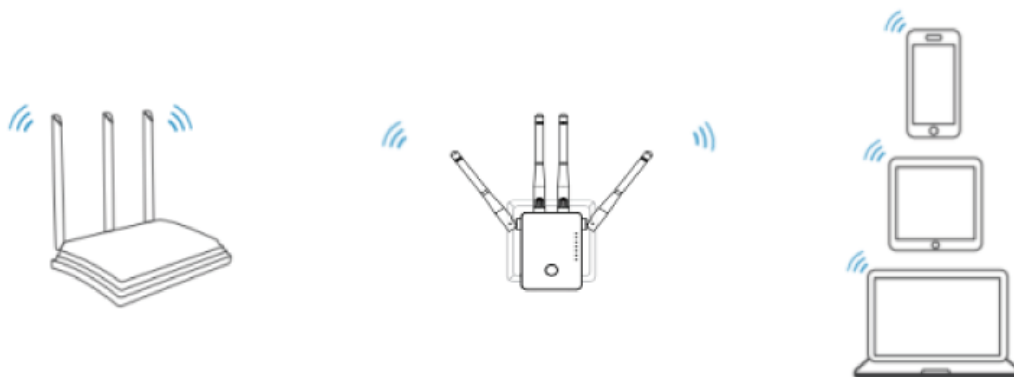
This chapter contains the following sections :

- [Repeater Mode](#)
- [AP Mode](#)
- [Router Mode](#)

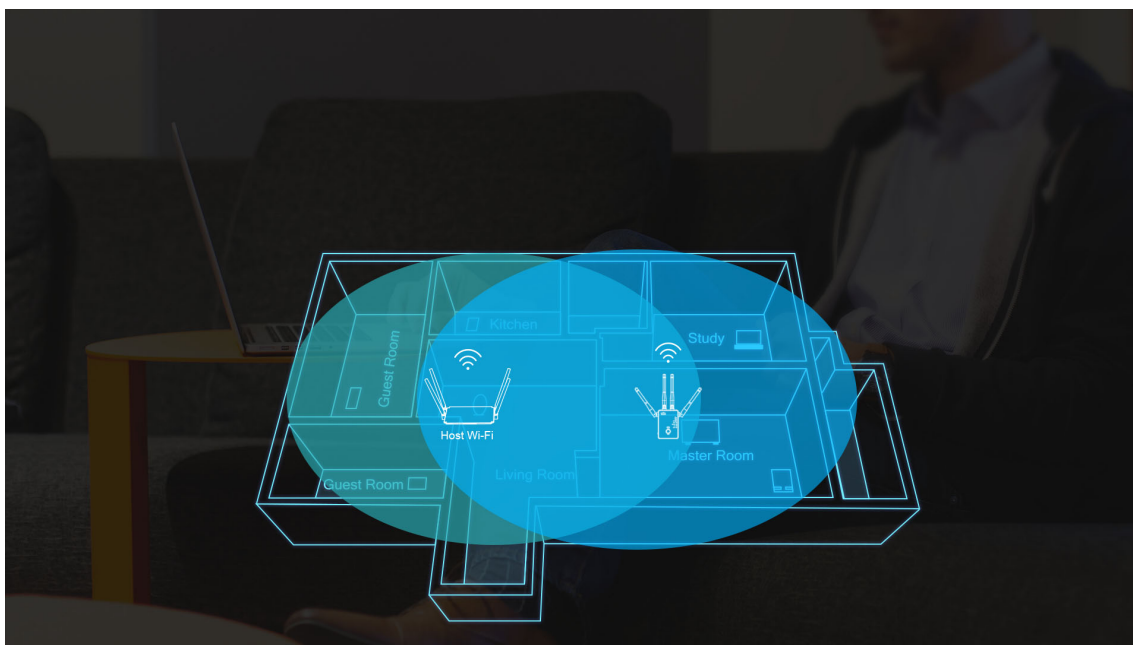
Mode Configuration

Repeater Mode

In repeater mode, the WAVLINK device will build a wireless connection with the host router and help you get a larger WiFi coverage.



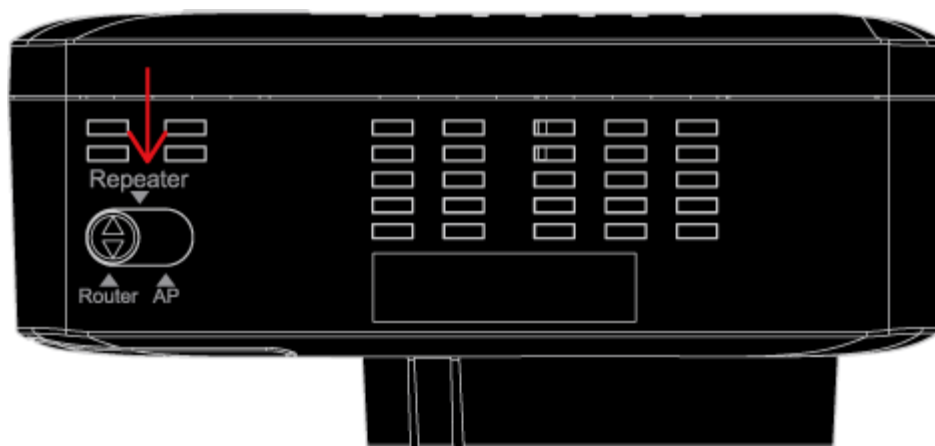
1. Plug the Device into an electrical outlet between your router (Host Wi-Fi) and the Wi-Fi dead zone. The location you choose must be within the range of your existing host Wi-Fi.



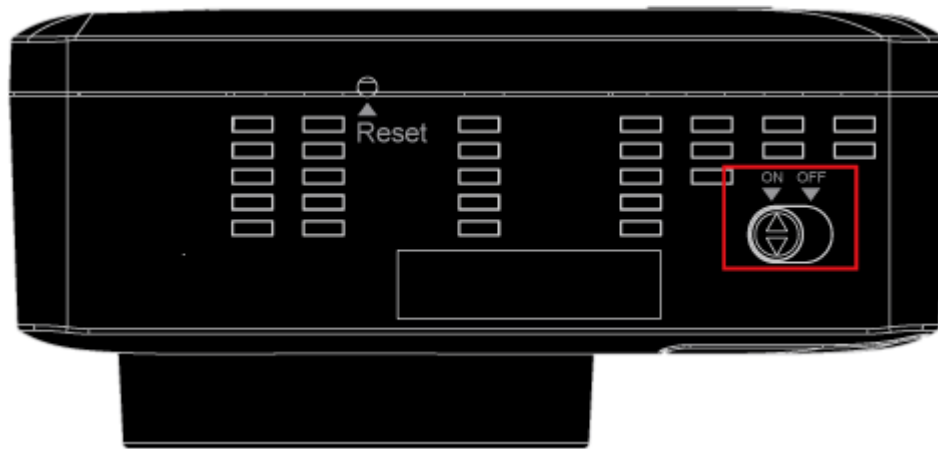
Tips:

Use your phone to find the ideal location for the Device. If your phone's Wi-Fi signal (received from your router) is higher than 3 levels, it is the ideal spot to install the Device. If not, we recommend you to move it closer to your router for better Wi-Fi signal.

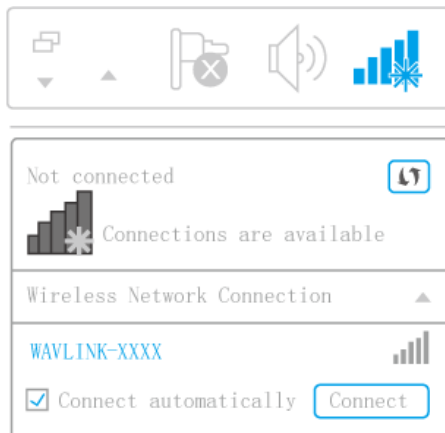
2. Switch the mode selector to repeater position.



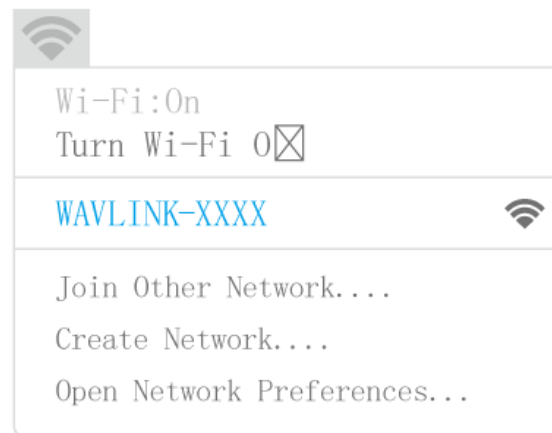
3. Plug the Extender into an electrical outlet near your Wi-Fi router.
4. Shift the power switch to ON and wait until one LED starts blink.



5. Connect the WiFi signal of WAVLINK device. The WiFi name should be **WAVLINK-XXXXX**.



For Windows users



For Mac users

6. Please disconnect other Internet connection including Ethernet cable or VPN from the PC/laptop and open the web browser and enter <http://waplogin.link> or <http://192.168.10.1> in the address bar.



7. Enter the default management page password **admin(all lowercase)**



The image shows the WAVLINK login interface. At the top is the WAVLINK logo in blue, with the tagline "see the world" in a smaller blue font below it. Underneath is the text "Welcome to WAVLINK" in a grey font. A red instruction "Please set up this device first!" is centered. Below this is a white rectangular input field with the placeholder text "Please enter your password". At the bottom is a large blue button with the word "Login" in white text.

WAVLINK
see the world

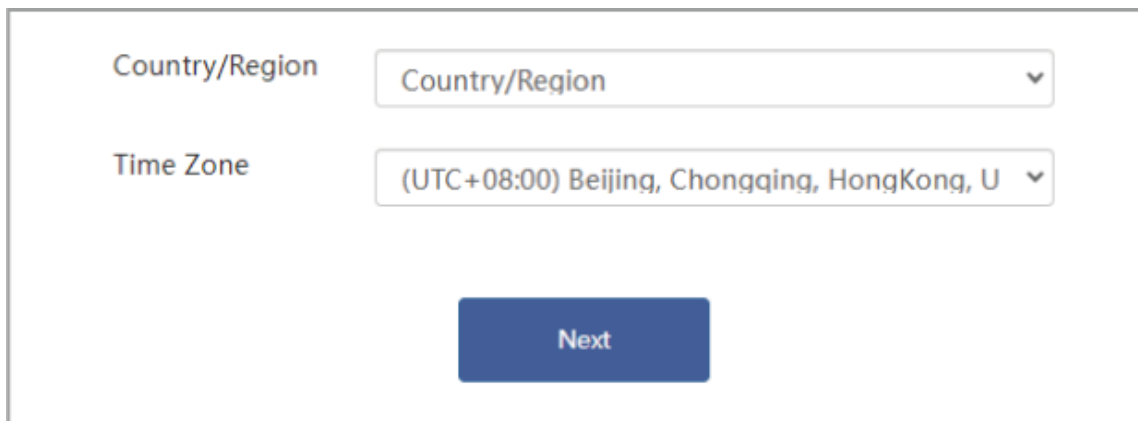
Welcome to WAVLINK

Please set up this device first!

Please enter your password

Login

8. Select the **Country/Region** and **Time Zone**.



The image shows a configuration screen with two dropdown menus. The first is labeled "Country/Region" and has a placeholder "Country/Region" with a downward arrow. The second is labeled "Time Zone" and has a placeholder "(UTC+08:00) Beijing, Chongqing, HongKong, U" with a downward arrow. Below the dropdowns is a blue button with the word "Next" in white text.

Country/Region Country/Region ▼

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

Next

9. Enter the WiFi password of the host router and click **Next**.

Please enter the Wi-Fi password to connect

Superior Network Name

Superior Password 

10. Create a new WiFi password for WAVLINK device and click **Save**.

Wireless network information of this device

☒ Set a new SSID and password ☐ Same as the parent router

2.4G Wi-Fi Name

5G Wi-Fi Name

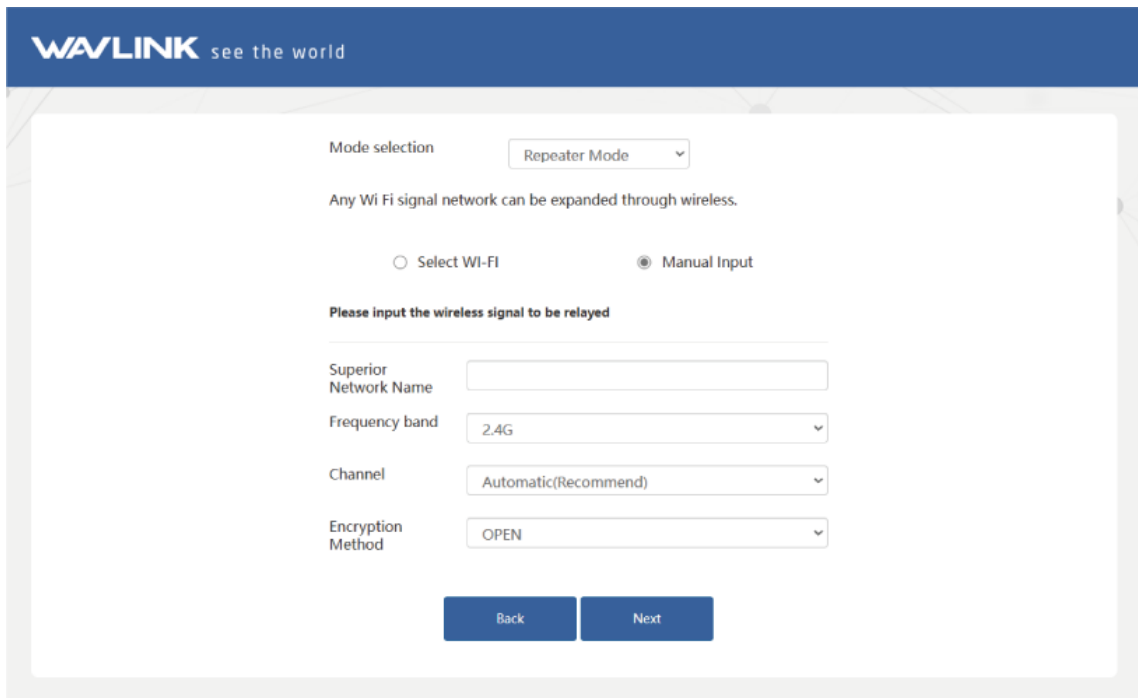
Wi-Fi password 

Set administrator password ☒ Same as the wireless password

11. After configuration, please connect the new WiFi signal of WAVLINK device and check if you could get Internet. The management page password should be same as the WiFi password of the WAVLINK device.

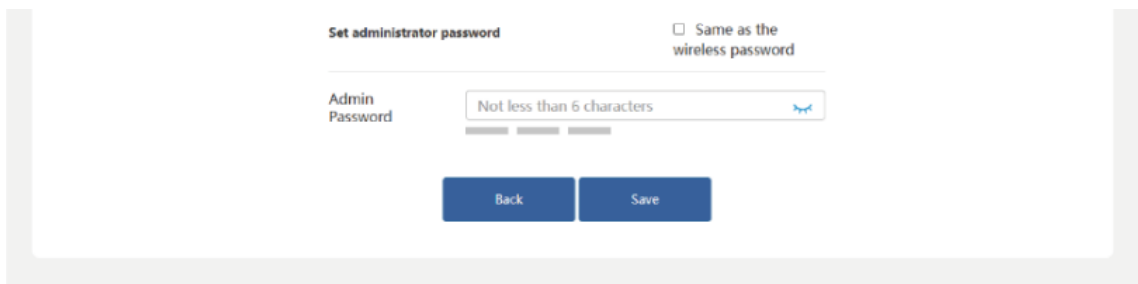
Some notes:

1. If the SSID of the host router is hidden, please try to select manual input and enter the SSID of the host router manually.



The image shows the WAVLINK web interface for Repeater Mode. At the top, the WAVLINK logo and tagline 'see the world' are displayed. Below this, the 'Mode selection' dropdown is set to 'Repeater Mode'. A message states: 'Any Wi Fi signal network can be expanded through wireless.' Two radio buttons are present: 'Select WI-FI' (unselected) and 'Manual Input' (selected). Below the radio buttons, a heading reads 'Please input the wireless signal to be relayed'. This is followed by five input fields: 'Superior Network Name' (text input), 'Frequency band' (dropdown menu showing '2.4G'), 'Channel' (dropdown menu showing 'Automatic(Recommend)'), and 'Encryption Method' (dropdown menu showing 'OPEN'). At the bottom of the form are two buttons: 'Back' and 'Next'.

2. If you want to create a new administrator password, please deselect the option **Same as the wireless password**, then you could create a new administrator password.

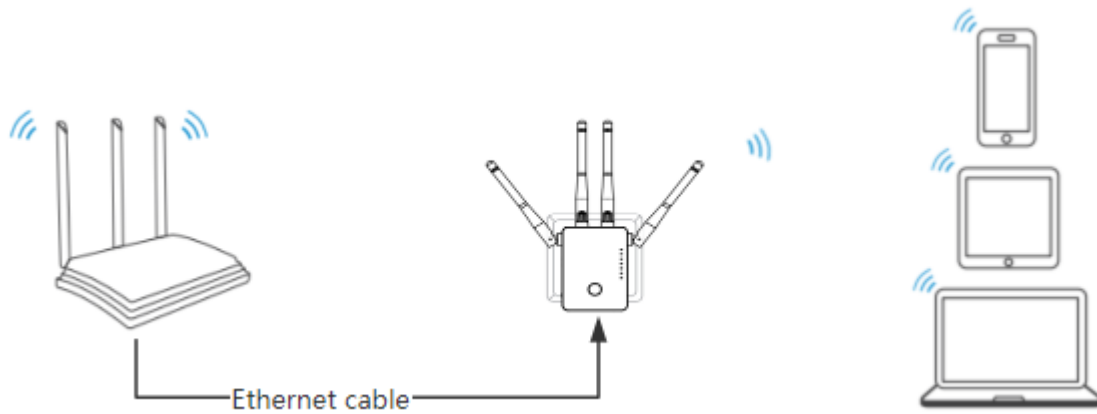


The image shows the 'Set administrator password' section of the WAVLINK web interface. It features a checkbox labeled 'Same as the wireless password' which is currently unchecked. Below this, there is a password input field with a placeholder text 'Not less than 6 characters' and a strength indicator (three bars). At the bottom of the form are two buttons: 'Back' and 'Save'.

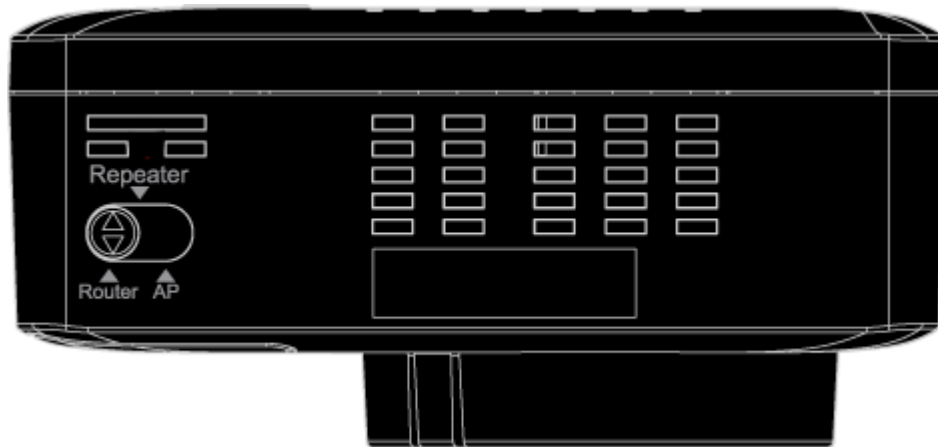
3. You could change the SSID and create a new SSID.

AP Mode

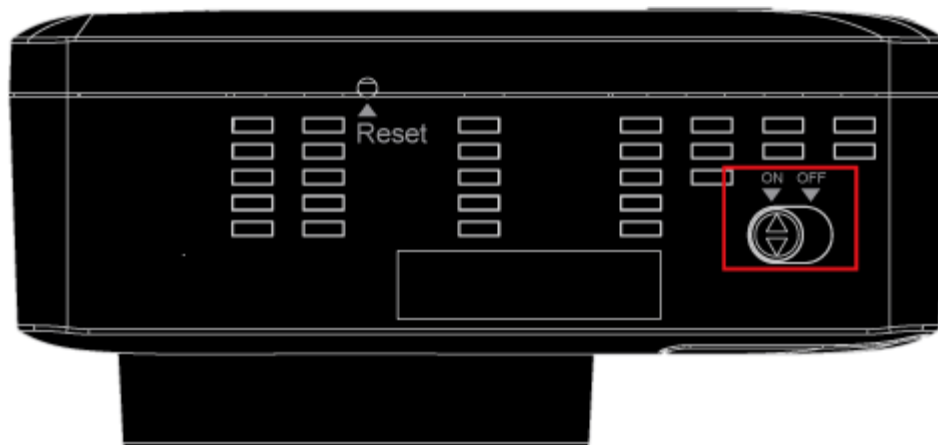
In AP mode, you should connect the WAVLINK device to the host router via Ethernet cable. Then you could get Internet from the WiFi signal of the WAVLINK device.



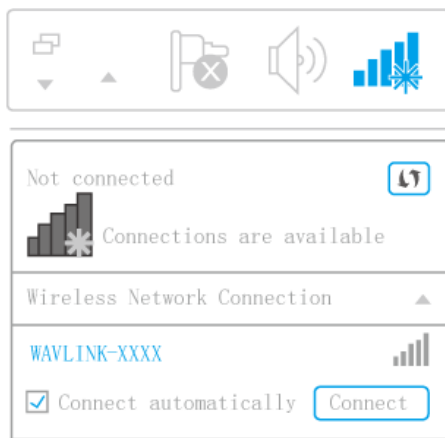
1. Connect the WAVLINK device to the power outlet and connect it to the host router via Ethernet cable.
2. Switch the mode selector to AP position.



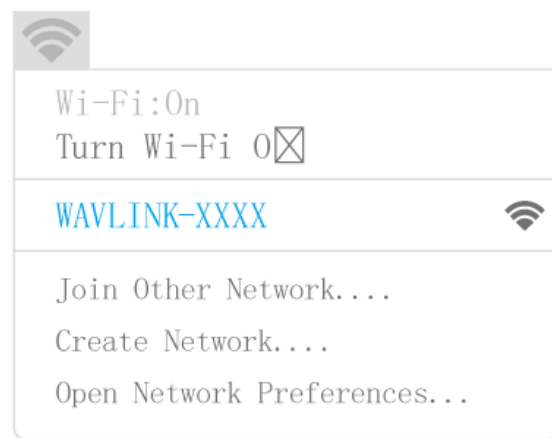
3. Shift the power switch to **ON** and wait until all WiFi led gets solid on.



4. Connect the WiFi signal of WAVLINK device. The WiFi name should be **WAVLINK-XXXXX**



For Windows users



For Mac users

5. Disconnect other Internet connection including Ethernet cable or VPN from the PC/laptop and open the web browser and enter <http://waplogin.link> or <http://192.168.10.1> in the address bar.



6. Enter the default management page password **admin(all lowercase)**.



7. Select the **Country/Region** and **Time Zone**.

Country/Region Country/Region ▼

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

Next

8. Create a new WiFi password and click **Save**.

WAVLINK see the world

AP Mode AP Mode ▼

Expand the existing network wired, make sure that the device WAN port is connected to the network through the network cable.

Smart DHCP Services ☒

SSID WAVLINK-N_BA75

Encryption Method WPA2-PSK(Recommend) ▼

Password Between 8~63 characters

Set administrator password ☒ Same as the wireless password

Back **Save**

9. Wait for the progress bar to the end and check if you could get Internet from the WiFi signal of WAVLINK device.

Some notes:

1. When smart DHCP services is enabled. The WAVLINK device itself will be the DHCP server when it is not connected to the host router. Once it is connected to the host router via Ethernet cable, the DHCP services will be disabled and the host router will be the DHCP server.
2. When the smart DHCP services is disabled, the DHCP services of the WAVLINK device will not work at any case.
3. If you want to create a new administrator password, please deselect the option Same as the wireless password, then you could create a new administrator password.

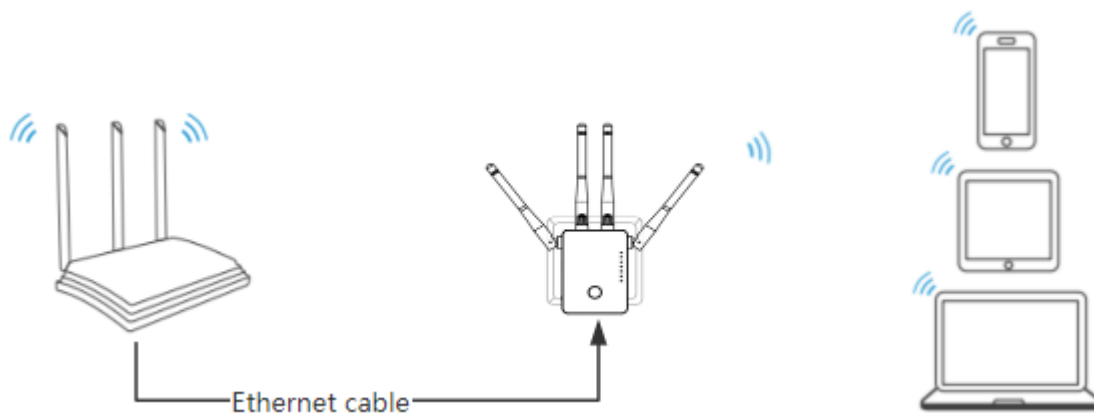
Set administrator password ☐ Same as the wireless password

Admin Password

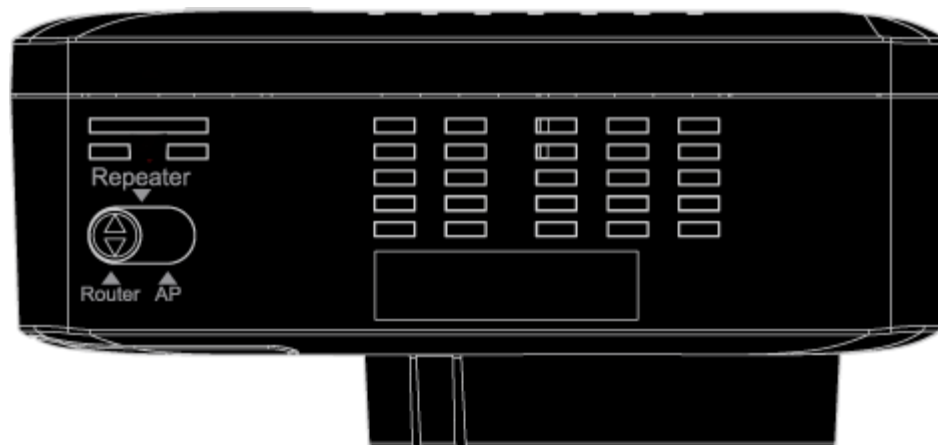
4. You could change the SSID and create a new SSID.

Router Mode

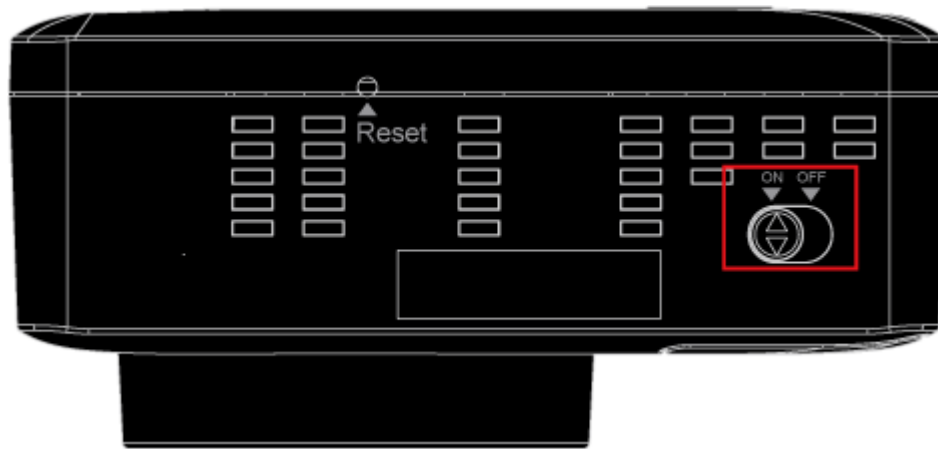
In Router mode, you should connect the WAVLINK device to the host router via Ethernet cable. Then you could get Internet from the WiFi signal of the WAVLINK device.



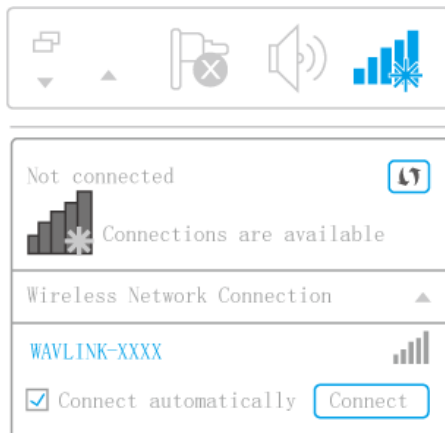
1. Connect the WAVLINK device to the power outlet and connect it to the host router/modem via Ethernet cable.
2. Switch the mode selector to Router position.



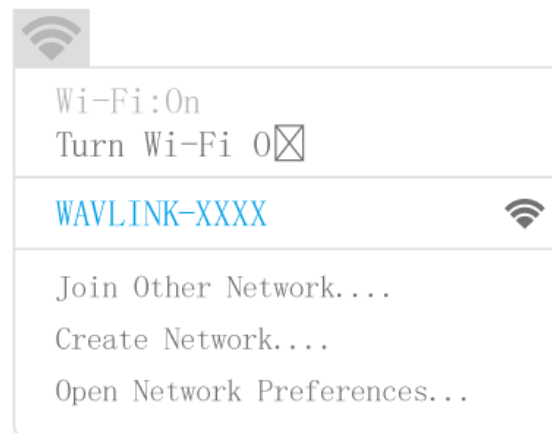
3. Shift the power switch to **ON** and wait until all WiFi led gets solid on.



4. Connect the WiFi signal of WAVLINK device. The WiFi name should be **WAVLINK-XXXXX**.



For Windows users



For Mac users

5. Disconnect other Internet connection including Ethernet cable or VPN from the PC/laptop and open the web browser and enter <http://waplogin.link> or <http://192.168.10.1> in the address bar.



6. Enter the default management page password **admin(all lowercase)**.



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WAVLINK

see the world

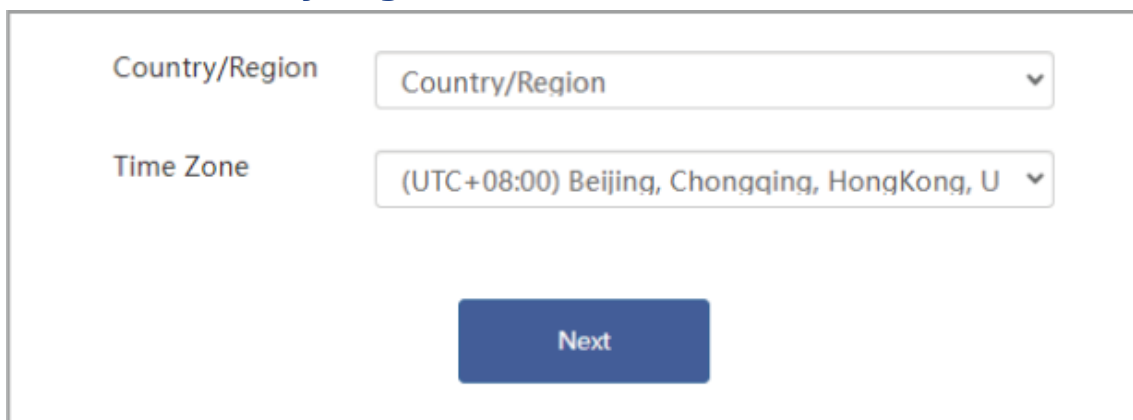
Welcome to WAVLINK

Please set up this device first!

Please enter your password

Login

7. Select the **Country/Region** and **Time Zone**.



The image shows a configuration screen with two dropdown menus. The first menu is labeled 'Country/Region' and has a placeholder 'Country/Region' with a downward arrow. The second menu is labeled 'Time Zone' and has a placeholder '(UTC+08:00) Beijing, Chongqing, HongKong, U' with a downward arrow. Below these menus is a blue button with the text 'Next'.

Country/Region Country/Region ▼

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

Next

8. Choose the correct **Wan Type** then create a new WiFi password and click **Save**.

WAVLINK see the world

Router Mode: Router Mode

Wan Type: DHCP

SSID: WAVLINK-N_BA75

Encryption Method: WPA2-PSK(Recommend)

Password: Between 8-63 characters

Set administrator password: ☒ Same as the wireless password

Back Save

9. Wait for the progress bar to finish and check that you can access the Internet using the WiFi signal from the WAVLINK device.

Some Notes:

1. You could contact ISP to check the correct Wan Type. Or if possible, please connect the host router/modem to your PC directly via Ethernet cable and check if you could get internet.
2. If you could get internet, please choose **DHCP** as **Wan Type**. If you could not get internet, please choose **PPPoE** as the **Wan Type**.
3. If you want to create a new administrator password, please deselect the option **Same as the wireless password**, then you could create a new administrator password.

Set administrator password: ☐ Same as the wireless password

Admin Password: Not less than 6 characters

Back Save

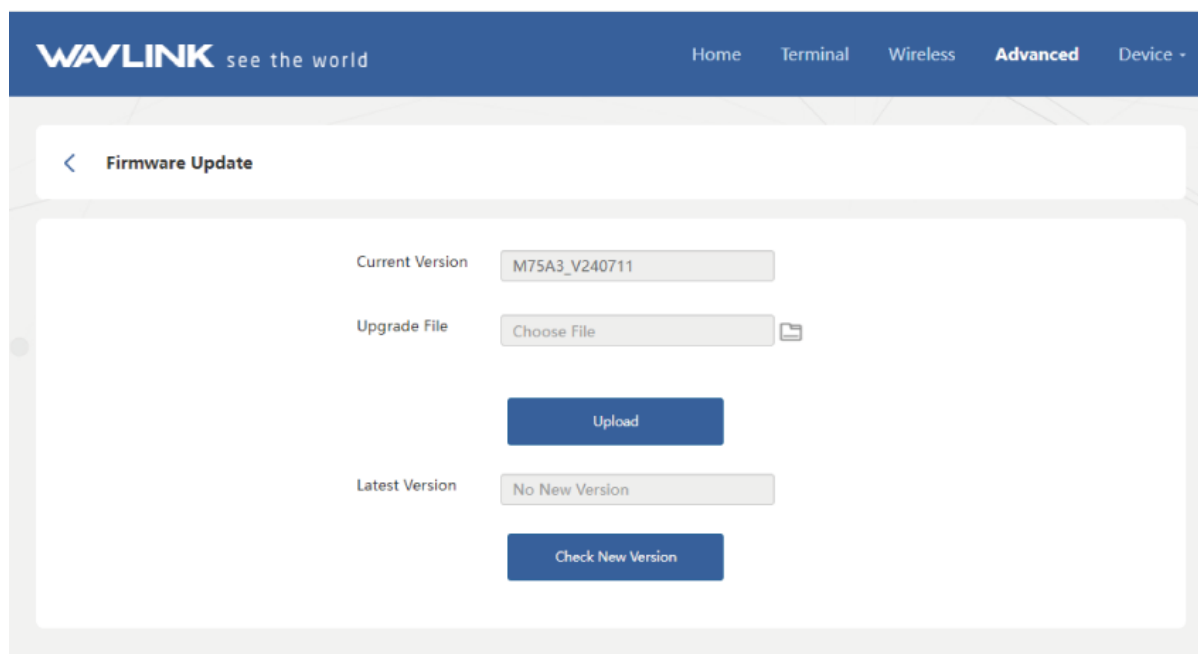
4. You could change the SSID and create a new SSID.

Chapter 4 Firmware Update

Firmware Update

Firmware upgrade can fix bugs of the Extender. However, we **DO NOT** recommend you to upgrade the firmware of the Extender if it works properly.

1. Download the latest firmware file from <http://www.wavlink.com>.
2. Extract the firmware from the downloaded file.
3. Select **Advanced-> Firmware Update**, choose the file you extracted, then click **Upload**. You can click **Check New Version** to check if it is the latest version.



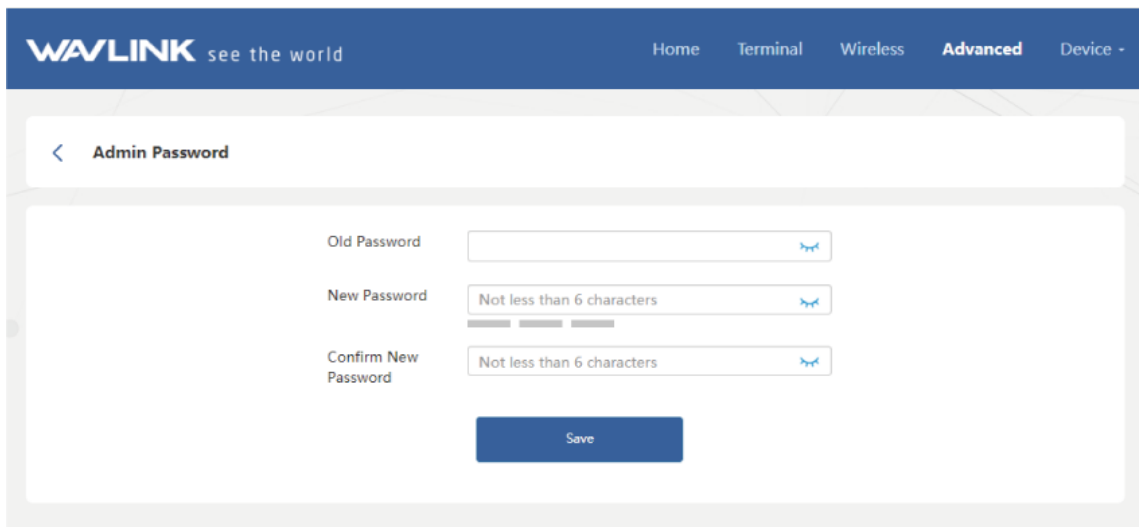
The screenshot shows the Wavlink web interface for firmware updates. The top navigation bar includes the Wavlink logo and the tagline "see the world", along with menu items: Home, Terminal, Wireless, **Advanced**, and Device. The main content area is titled "Firmware Update" and contains the following elements:

- Current Version:** A text box displaying "M75A3_V240711".
- Upgrade File:** A text box with the placeholder "Choose File" and a file selection icon.
- Upload:** A blue button.
- Latest Version:** A text box displaying "No New Version".
- Check New Version:** A blue button.

Chapter 5 Admin Password

Change Admin Password

1. Click **Advanced** ->**Admin Password**.
2. Enter the old password, then enter the new password (case-sensitive) and click **Save**.



The screenshot shows the Wavlink web interface. The top navigation bar is dark blue with the Wavlink logo and the tagline "see the world" on the left, and links for "Home", "Terminal", "Wireless", "Advanced", and "Device -" on the right. The "Advanced" link is highlighted. Below the navigation bar, there is a breadcrumb trail showing a back arrow and "Admin Password". The main content area is a light gray box containing three password input fields. The first field is labeled "Old Password" and is empty. The second field is labeled "New Password" and contains the text "Not less than 6 characters" with a strength indicator below it showing three segments, the first of which is filled. The third field is labeled "Confirm New Password" and also contains the text "Not less than 6 characters" with a similar strength indicator. Below these fields is a blue "Save" button.

Chapter 6 GNU General Public License Notice

GNU General Public License Notice

This product includes software codes developed by third parties. These software codes are subject to either the GNU General Public License (GPL), Version 2, June 1991 or the GNU Lesser General Public License (LGPL), Version 2.1, February 1999. You can copy, distribute, and/or modify in accordance with the terms and conditions of GPL or LGPL.

The source code should be complete, if you want us to provide any additional source code files under GNU General Public License (GPL), please contact us in these matters. We are committed to meeting the requirements of the GNU General Public License (GPL). You are welcome to contact our local office to get the corresponding software and licenses. Please inform us of your contact details (full address) and the product code. We will send you a software package with the software and license for free.

The respective programs are distributed WITHOUT ANY WARRANTY; without even the implied warranty Of MERCHANTABILITY Or FITNESS FOR A PARTICULAR PURPOSE. Please refer to the GNU General Public License website for further information. <http://www.gnu.org/licenses/old-licenses/lgpl-2.0.html> <http://www.gnu.org/licenses/gpl.html>

WEEE Directive & Product Disposal



At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

FAQ

1. How to reset the WAVLiNK device?

Please press the reset button for **3s** to reset the device when the device is powered on.

2. What should I do if I could not log in the management page of the WAVLiNK device?

(1). Please make sure you should connect the WiFi signal of the WAVLiNK device, the WiFi name of the WAVLiNK device should be **WAVLINK-XXXX**.

(2). If you try to configure the WAVLiNK device by your PC/laptop, please make sure your PC/laptop has not connected to the host router via Ethernet cable. And make sure the VPN has been disabled.

(3). Try to use <http://waplogin.link> or <http://192.168.10.1> to log in the management page.

(4). Pls try to reset the device by pressing the reset button for **3s** and try to log in the management page again.

(5). Try to use another browser to log in the management page.

(6). Try to log in the management page with another device like your phone or PC.

3. The device gets hot in usage, is that as expected?

It is as expected that the device will get hot in usage. Please do not worry about that.