Wireless Repeater KN1200AC

User Guide

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1 Introduction

1.1 Brief Introduction

KN1200AC is a wireless signal repeater specially designed for large-sized households designed by HongYu Technology Co., Ltd. It works in the 2.4GHz and 5GHz frequency bands and provides a wireless rate of up to 1200Mbps. It is your first choice for enhancing wireless signals and enjoying high-speed WiFi.

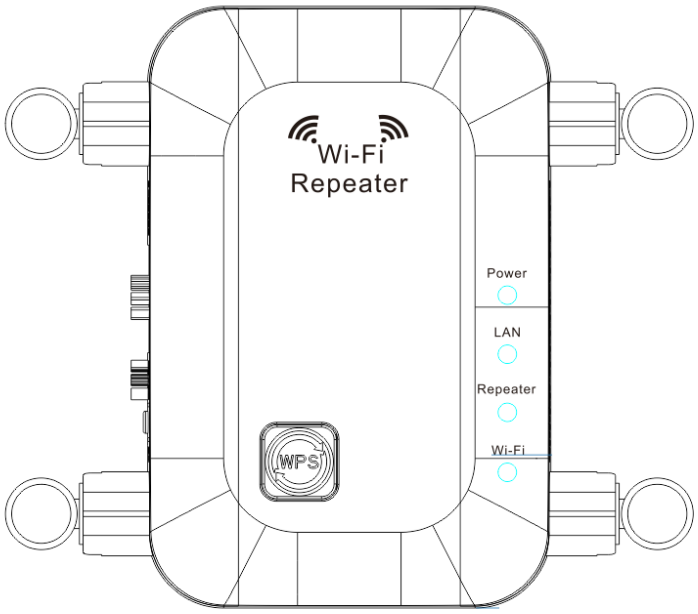
1.2 Features

- 支持双频段同时中继，提供高达 300Mbps（2.4GHz）+867Mbps(5GHz)的无线速率；
- 页面可配置中继扩展上行 WiFi 信号，配置简洁；
- 提供 Power、以太网、中继和 WI-FI 指示灯使设备运行效果可视化。
- Support dual-band simultaneous Extend, providing up to 300Mbps (2.4GHz) + 867Mbps (5GHz) wireless rate;
- The page can be configured to repeater to extend the main WiFi signal, and the configuration is simple;
- Provide Power, Ethernet, Repeater and Wi-Fi LED.

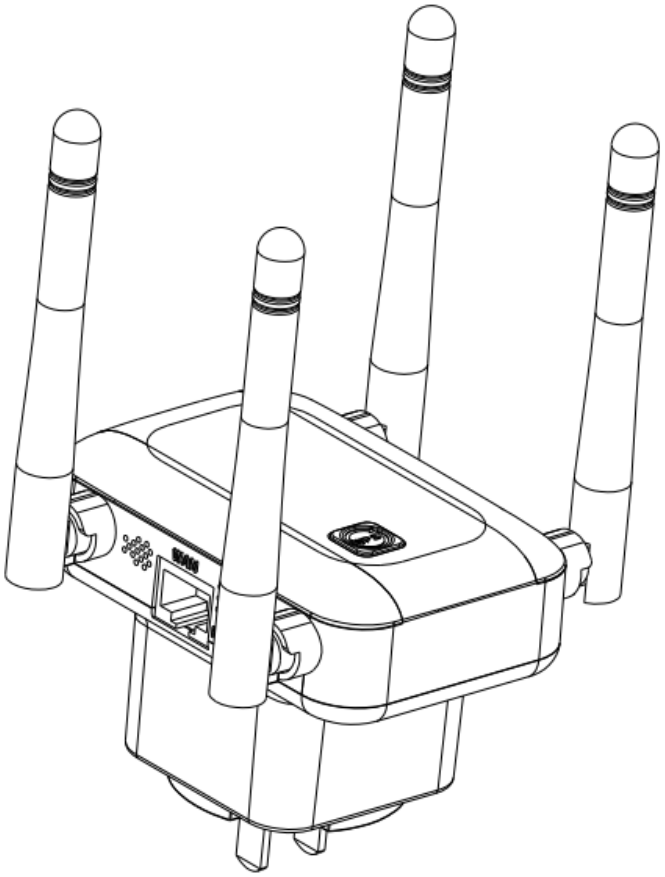
1.3 Appearance

1.3.1 LED

Corresponding to Power LED, LAN LED, Repeater LED, Wi-Fi LED lights from top to bottom.



1.3.2 Button



WPS button on the front
Rset button on the side

Reset Button	After pressing and holding the Reset button for more than 5 seconds, when the Repeater LED blink quickly, the repeater will be restored to the factory settings. At this time, you can release the button and the repeater will automatically reboot.
WPS Button	Press the WPS button, and then press the WPS button of the main router, the repeater will automatically connect to the main router via WPS. After the connection is successful, the repeater LED will be on.

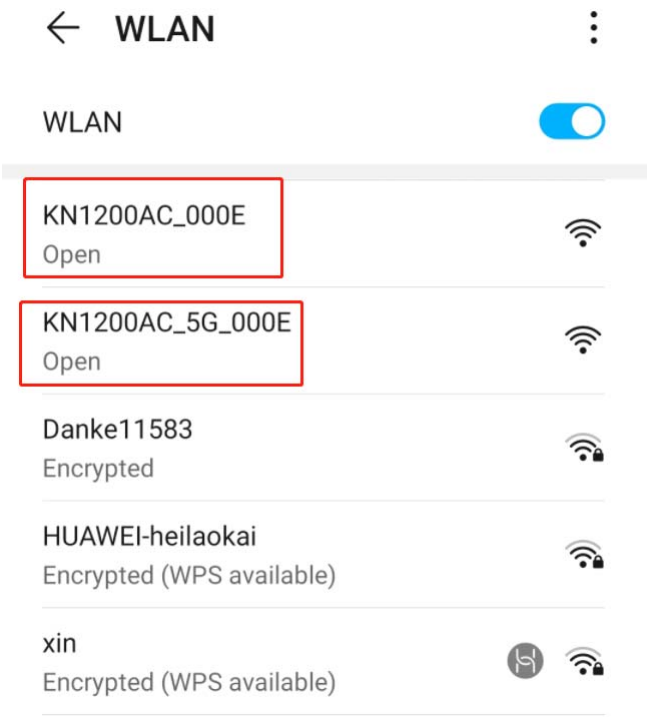
1.4 Stickers

2 Use your mobile phone to configure repeater

2.1 Repeater settings

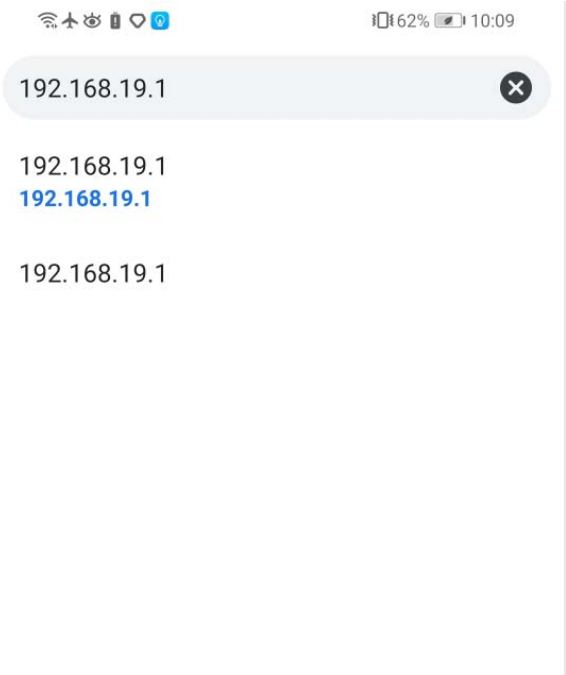
Step 1 Plug the repeater into the power socket and wait for the WiFi LED to blink and the repeater is started.

Step2 Use your mobile phone to search for and connect to the wireless network of the repeater: KN1200AC_XXXX or KN1200AC_5G_XXXX。

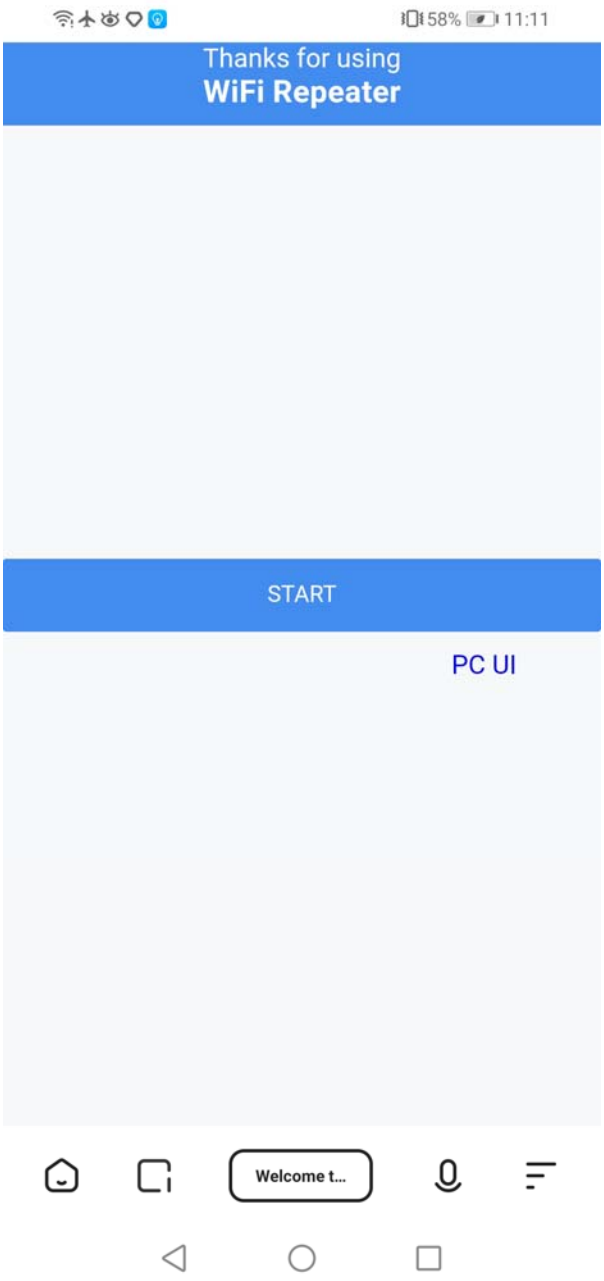


Step3 After a while, the phone will automatically jump to the management page of the

repeater; if not, please open the browser and enter "192.168.19.1" in the address bar to log in manually.



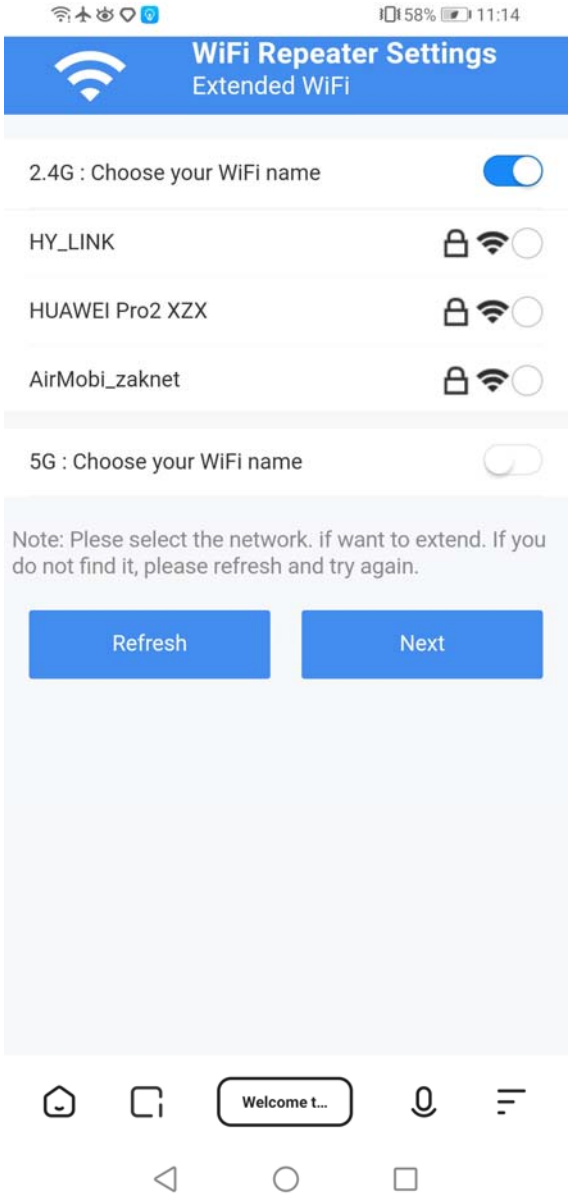
Step4 After entering the management page, we click [START] to configure.



Step5 Select extended wireless information. After the repeater automatically searches for the surrounding WiFi, select the wireless network to be extended, and click [Next] to continue. The default 2.4G and 5G dual-band simultaneous extend, can also be configured to only use single-band extend.

- Scenario 1: Dual-band extend

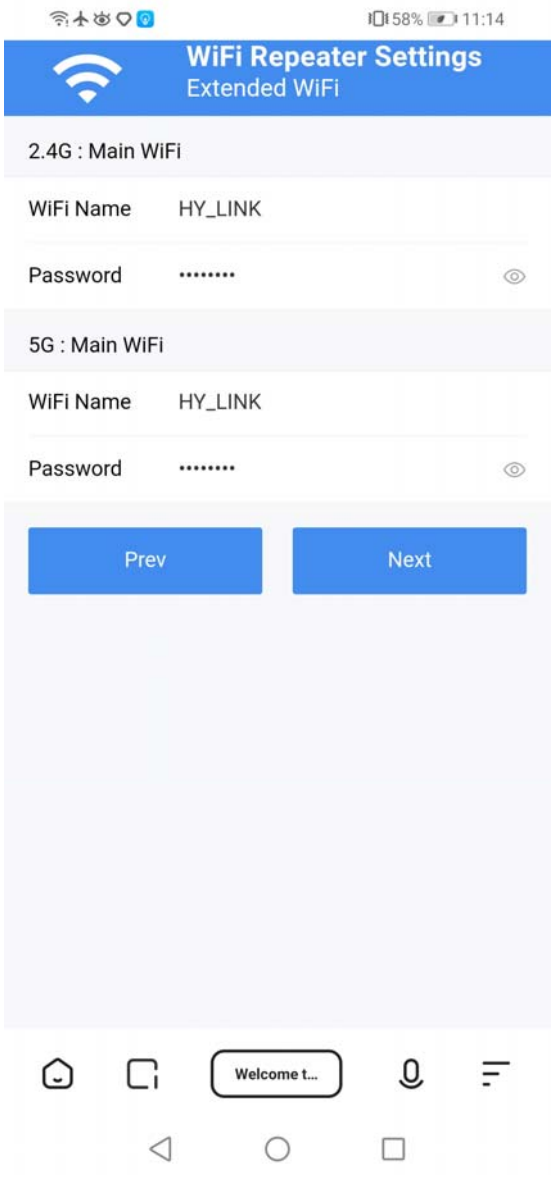
- Scenario 2: Single-band extend



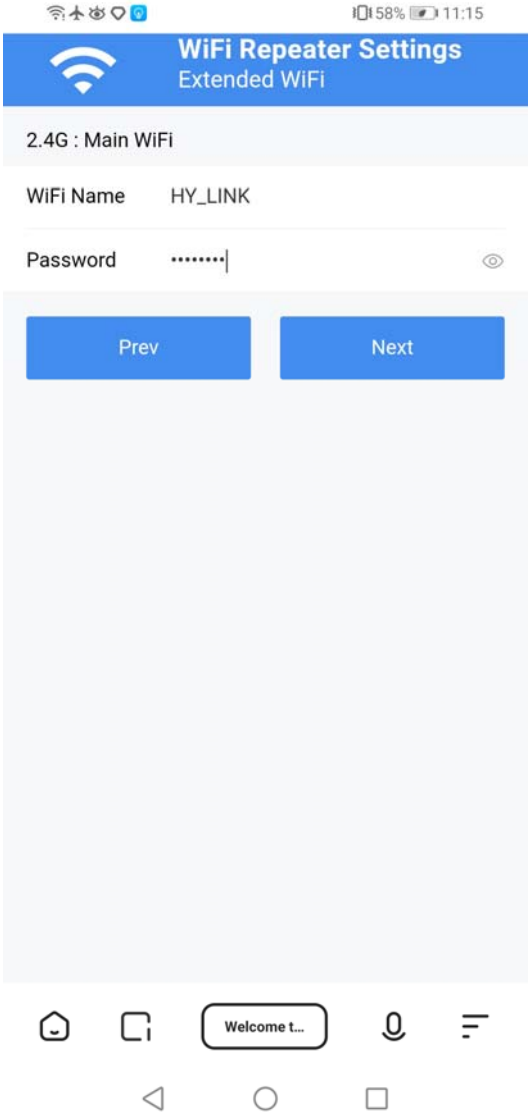
Tips: If the WiFi Name of the router to be extended is not in the list, please click [Refresh].

Step6 Extended WiFi. If the main WiFi to be extended is encrypted, please enter its wireless password.

- Scenario 1: Dual-band extend

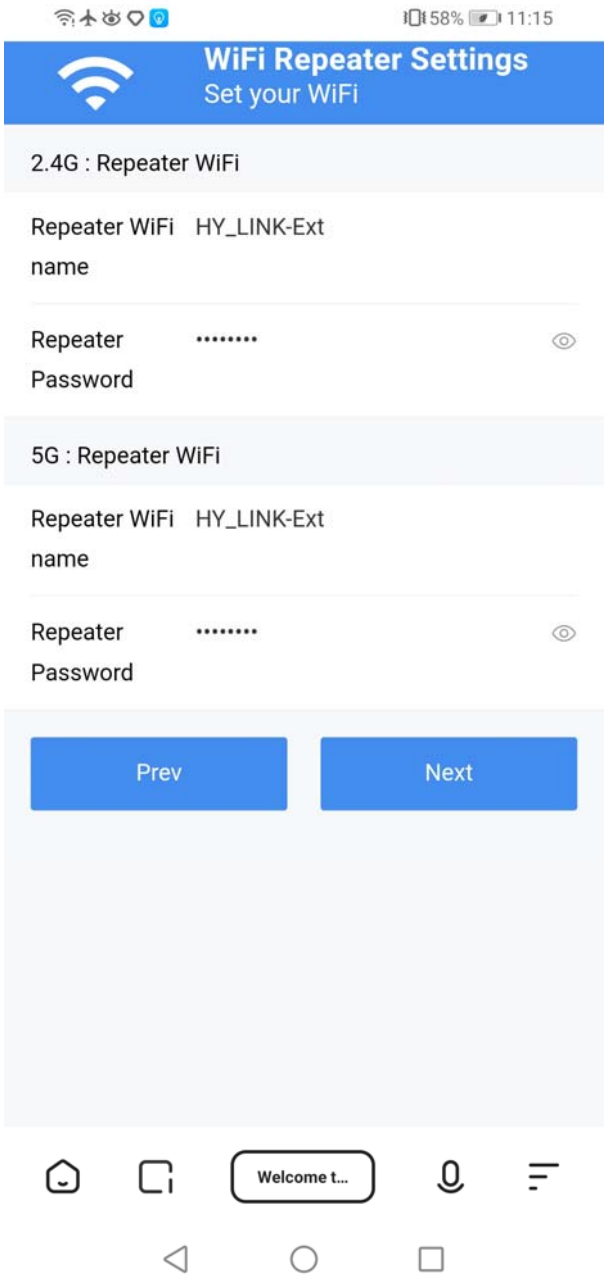


- Scenario 2: Single-band extend

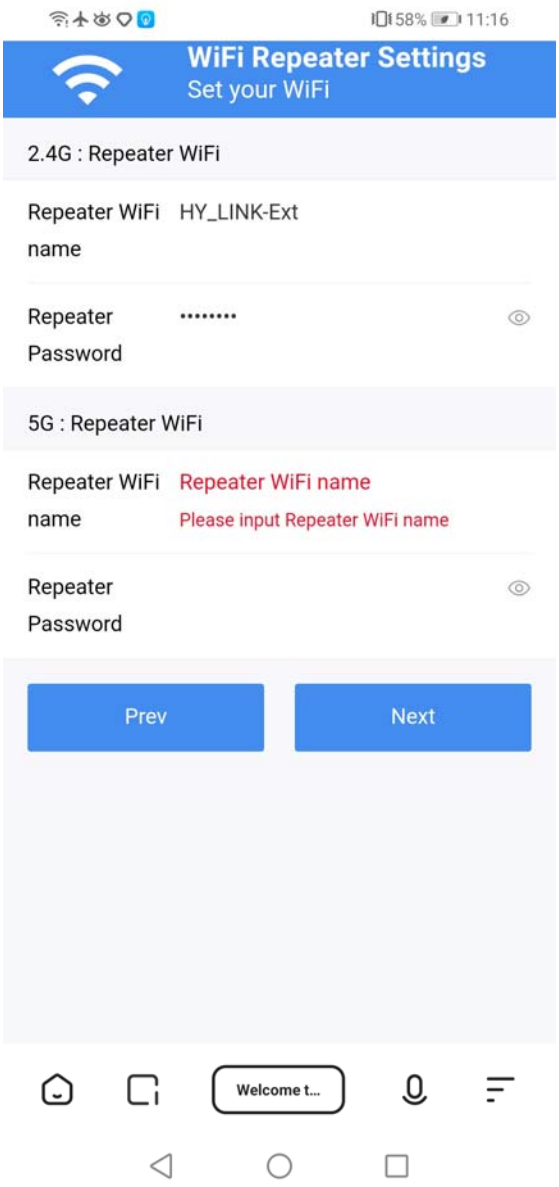


Step7 Configure the wireless information of the repeater.

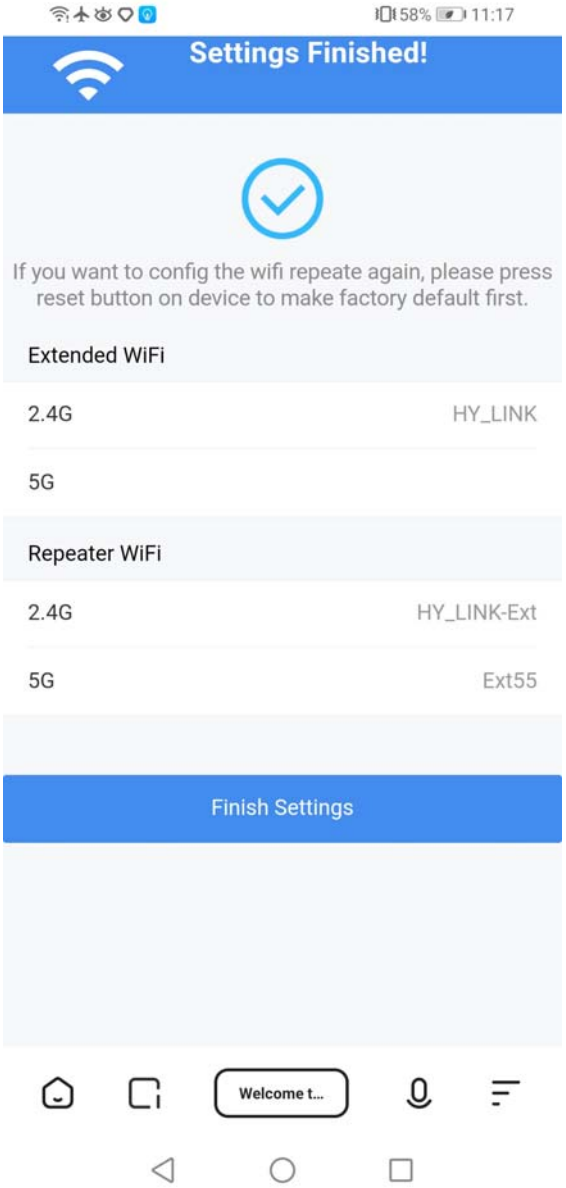
- Scenario 1: When dual-band is Extended at the same time, the default wireless name of the repeater is followed by the name of the main WiFi with a "-Ext" suffix, and the password is the same as that of the main WiFi, which can be manually modified.



- 情况二：单频中继时，配置频段的默认无线名称在主 WiFi 的名称后面跟“-Ext”后缀，密码跟主 WiFi 的密码一致，可以手动修改。未配置频段的无线信息需要手动输入。Scenario 2: In the case of single-band extend, the default wireless name of the configured frequency band is followed by the "-Ext" suffix of the main WiFi name. The password is the same as the main WiFi password and can be manually modified. The Repeater WiFi of the un-extend frequency band needs to be entered manually.



Step8 Settings Finished! The preview page after the setting is completed can help you confirm the previous input content. If the confirmation is correct, click [Finish Settings] to apply setting. If the Repeater LED light on, it means the extend is successful.



Complete Exit the browser, connect to the wireless name of the repeater, enter the wireless password, and you can go online.

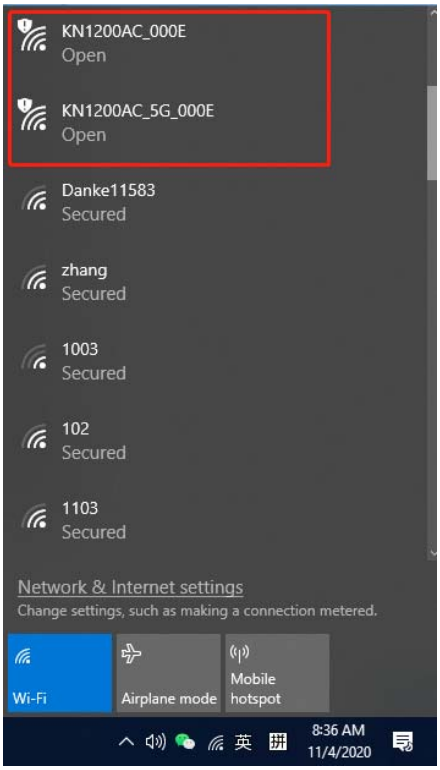
- The wireless name and password of the repeater: set in **Step 6**, if not set, it is same with the extended main WiFi.
- If you need to configure the Repeater again, please reset the repeater to the factory setting, and then configure it according to the first configuration method.

3 Set up a repeater using a PC

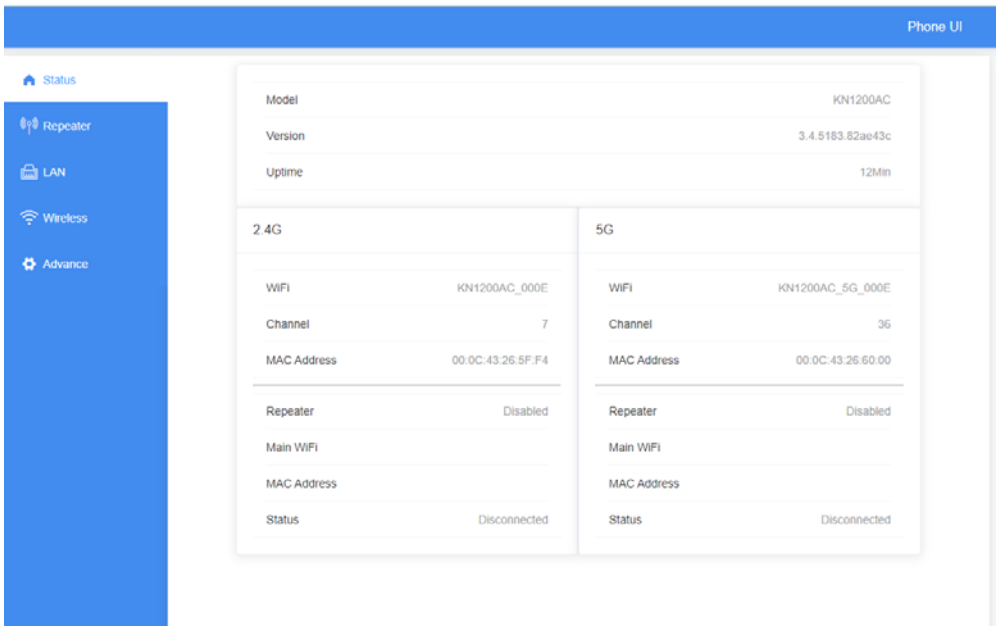
3.1 First Repeater settings

Step1 Plug the repeater into the power outlet and wait for the WiFi LED to blink and the repeater is started.

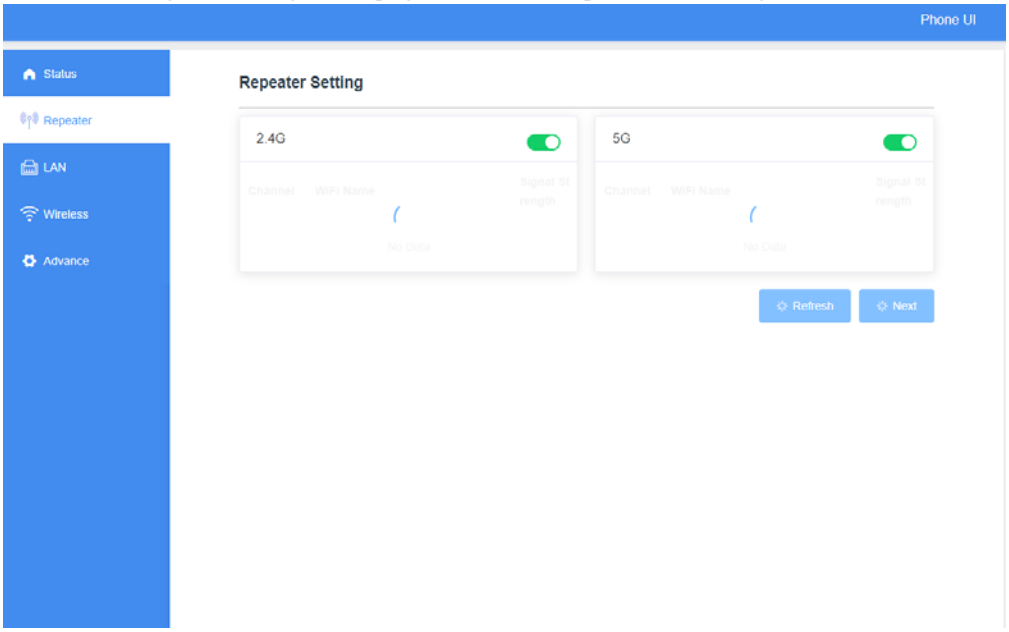
Step2 Use a PC to search for and connect to the wireless network of the repeater: KN1200AC_XXXX or KN1200AC_5G_XXXX。



Step3 Open the browser and enter "192.168.19.1" in the address bar to log in manually.

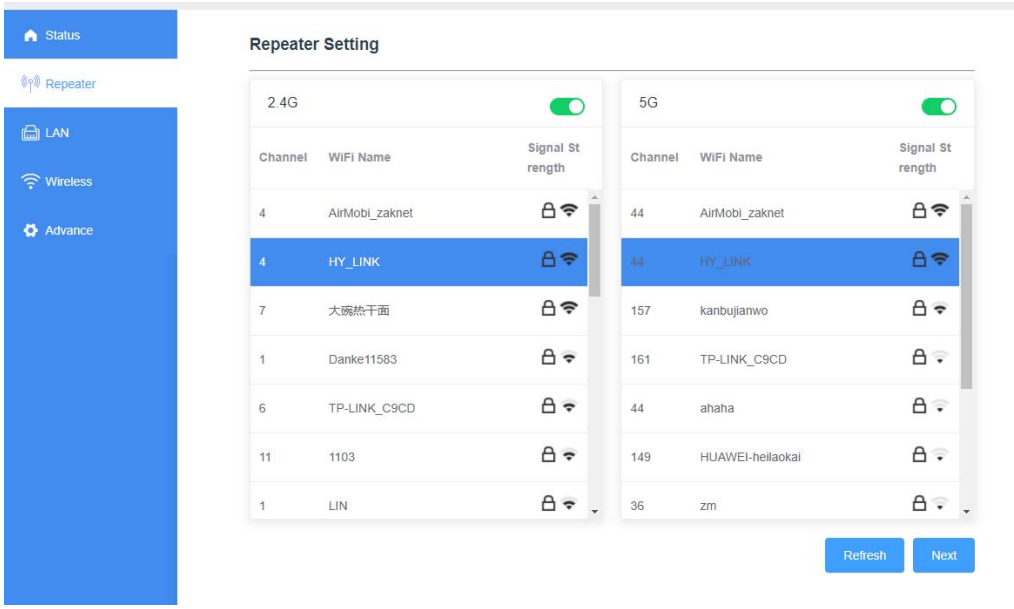


Step4 After entering the management page, we click [Repeater] to configure.

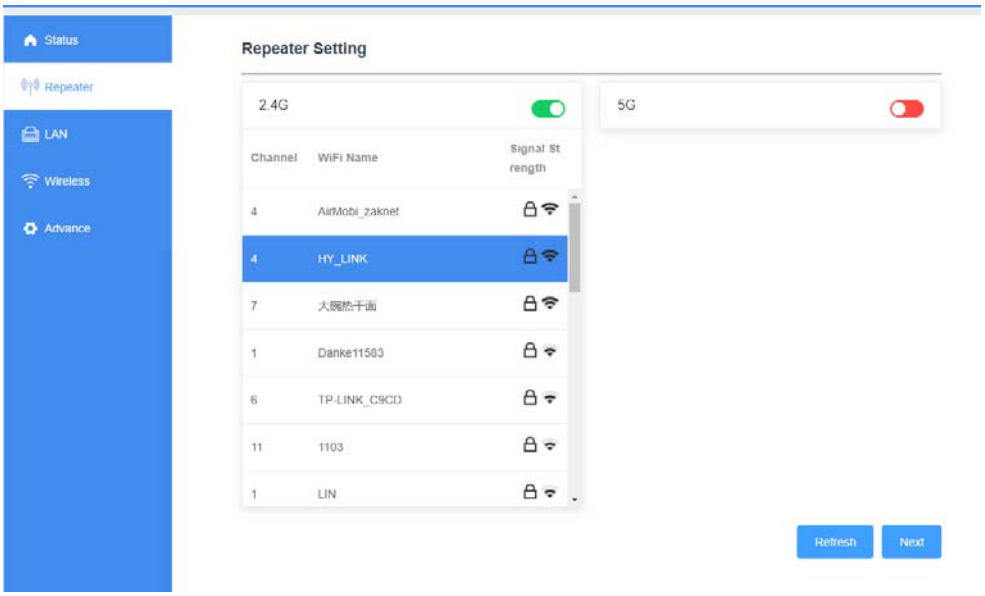


Step5 After the repeater automatically searches for the surrounding WiFi, select the wireless network that needs to be extended. The default 2.4G and 5G dual-band simultaneous extend, can also be configured to only use single-band extend.

- Scenario 1: Dual-band extend



- Scenario 1: Single-band extend

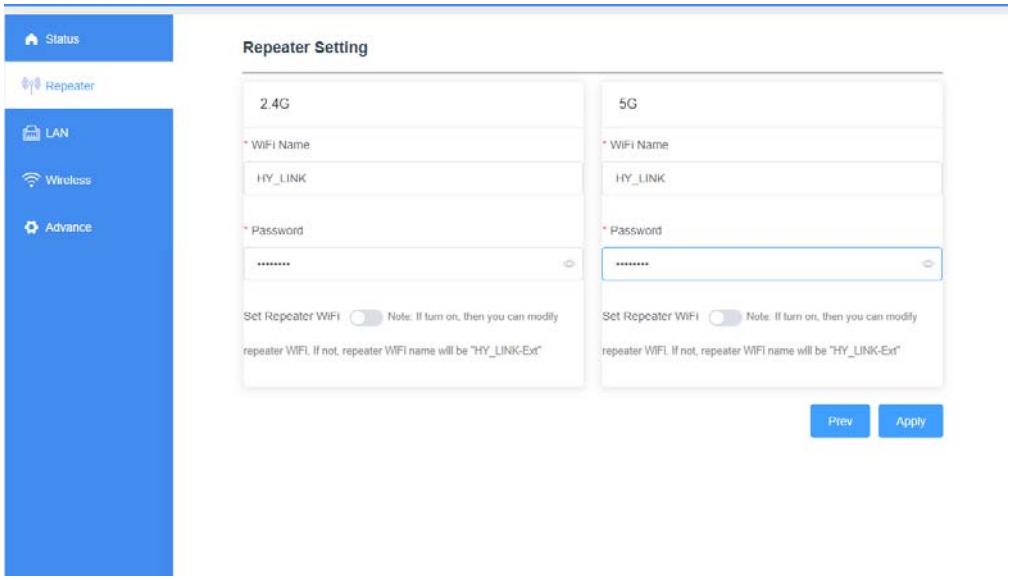


Tips If the name of the router to be Extended is not in the list, please click [Refresh].

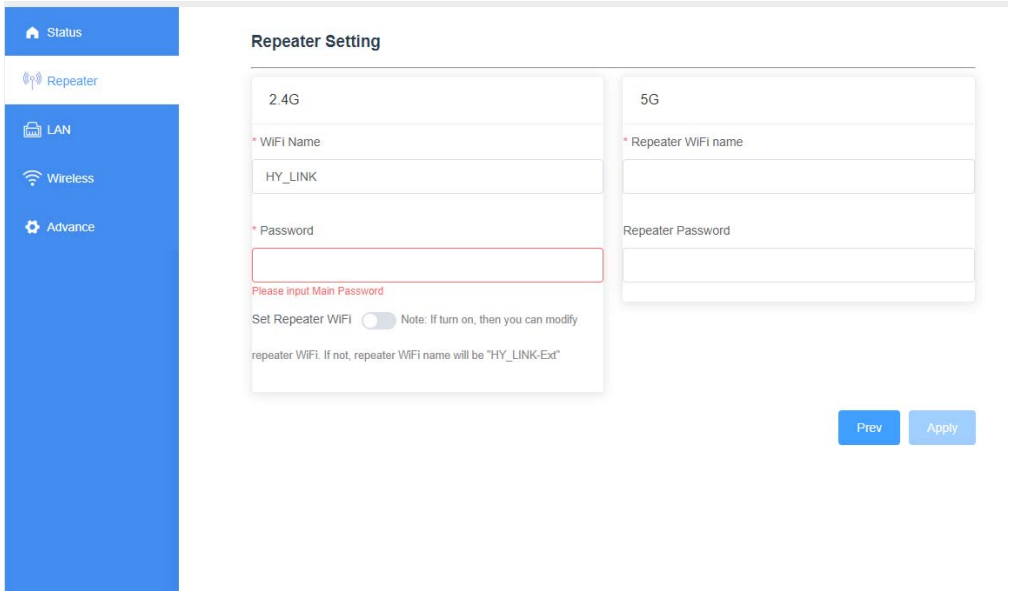
Step6 Repeater Setting. If the wireless WiFi to be extended is encrypted, please enter its wireless password.

You can turn on [Set Repeater WiFi] to modify the wireless name and password of the repeater. It is not enabled by default. The name of the repeater will use the main WiFi name followed by the "-Ext" suffix, and the password is the same as the main WiFi .

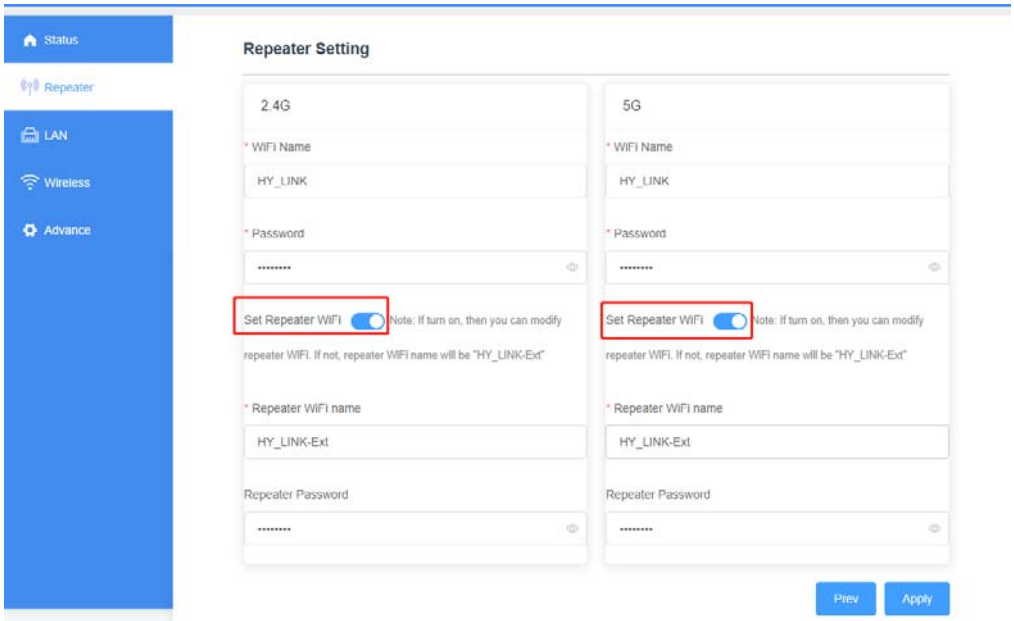
- Dual-band extend. Do not enable [Set Repeater WiFi]. After click [Apply], the name of the repeater will use the main WiFi name followed by the "-Ext" suffix, and the password is the same as the main WiFi.



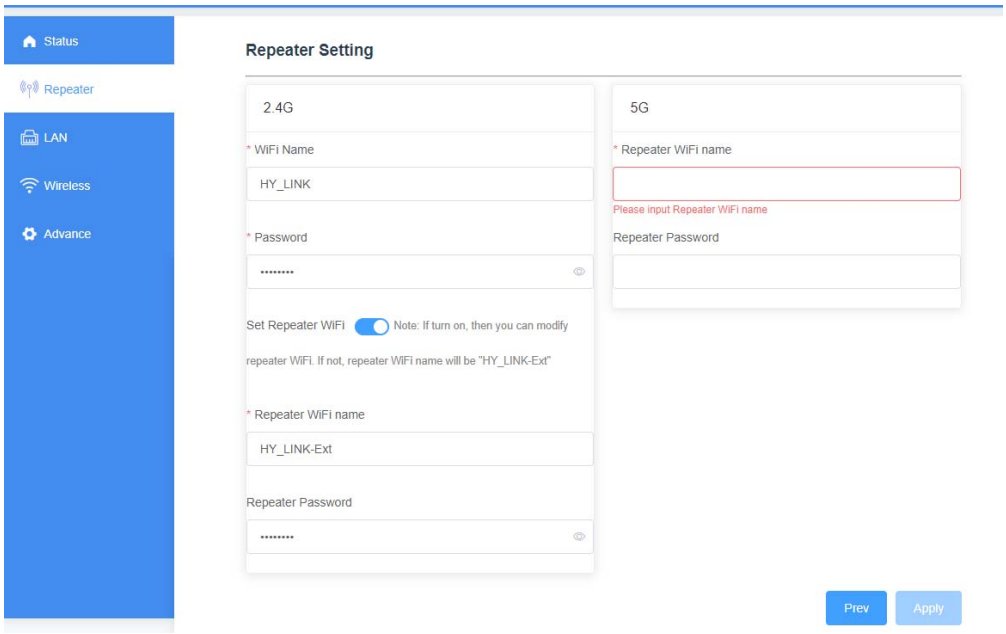
Single-band extend. do not enable [Set Repeater WiFi]. After entering the password of the main WiFi, the 5G repeater WiFi information needs to be configured. After click [Apply], the name of the repeater that configures the extend frequency band will use the name of the main WiFi followed by the "-Ext" suffix, and the password is the same as the main WiFi.



- Dual-band. Turn on [Set Repeater WiFi], you can configure the WiFi name and password of the dual-band.



- Single-Band. Turn on [Set Repeater WiFi], you can configure the WiFi name and password of the repeater.



Step7 Click [Apply] to complete the setting. Wait for the repeater application to take effect. If the Repeater LED light on, it means the extend is successful.

Complete Exit the browser, reconnect the wireless name of the repeater, enter the wireless password, and you can go online.

- If you need to set up the repeater again, you can reset the repeater to the factory setting, and then configure it according to the first configuration method.

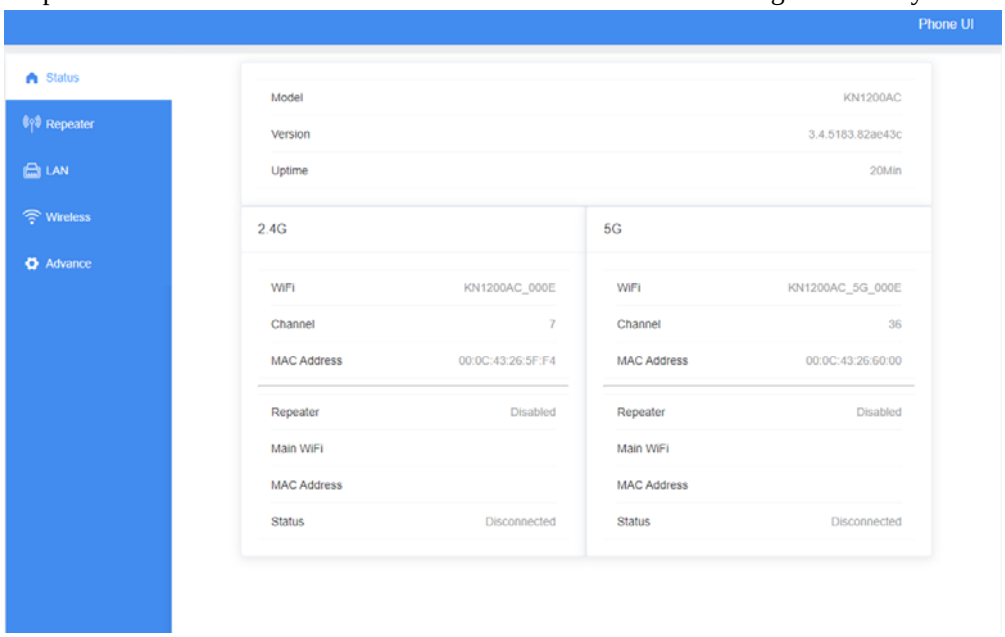
3.2 Log in to the repeater management page

If it is the first time to use the repeater or the repeater has been restored to its factory settings, please refer to "3.1 First Repeater Settings"; otherwise, please refer to the following steps to log in to the repeater.

Step1 When the repeater is operating normally, use a computer to search for and connect to the repeater’s WiFi：KN1200AC_XXXX or KN1200AC_5G_XXXX。

Step2 Set the computer's IP address:192.168.19.2。

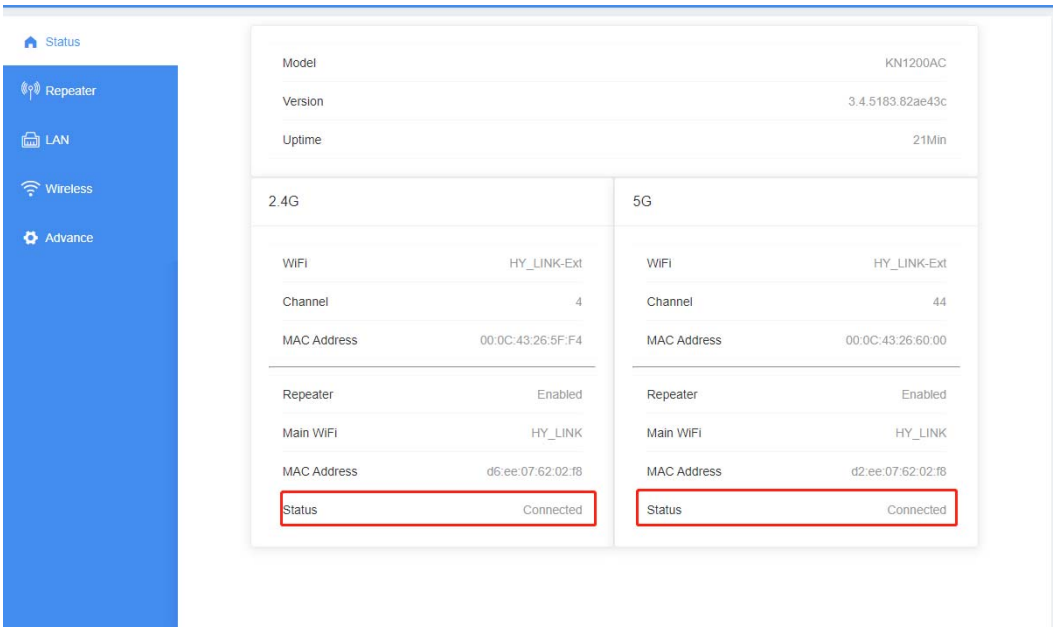
Step3 Open the browser and enter "192.168.19.1" in the address bar to log in manually.



Complete

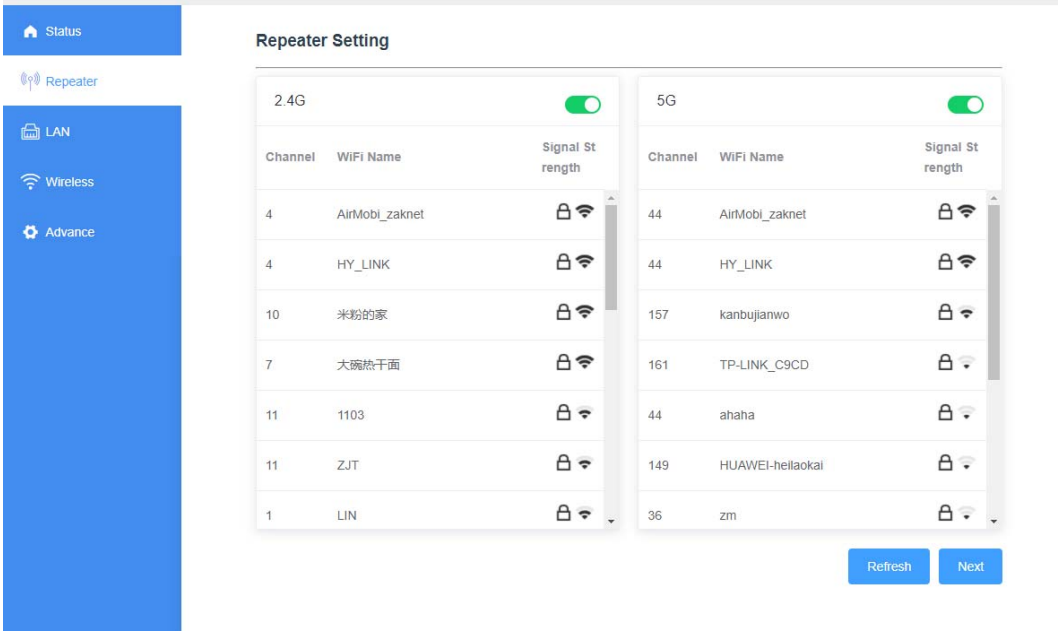
3.2.1 Status

After the repeater setting is completed, log in to the [Status] page of the repeater, and you can view the repeater status and running status of the extend.



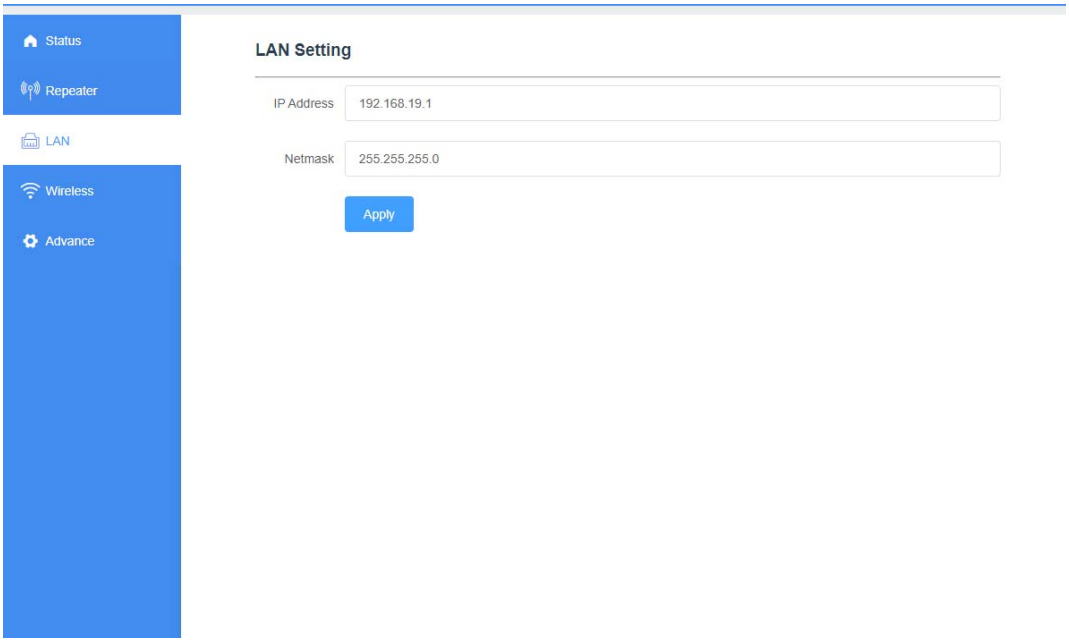
3.2.2 Repeater

Enter the [Repeater] page, you can set the Extend again.



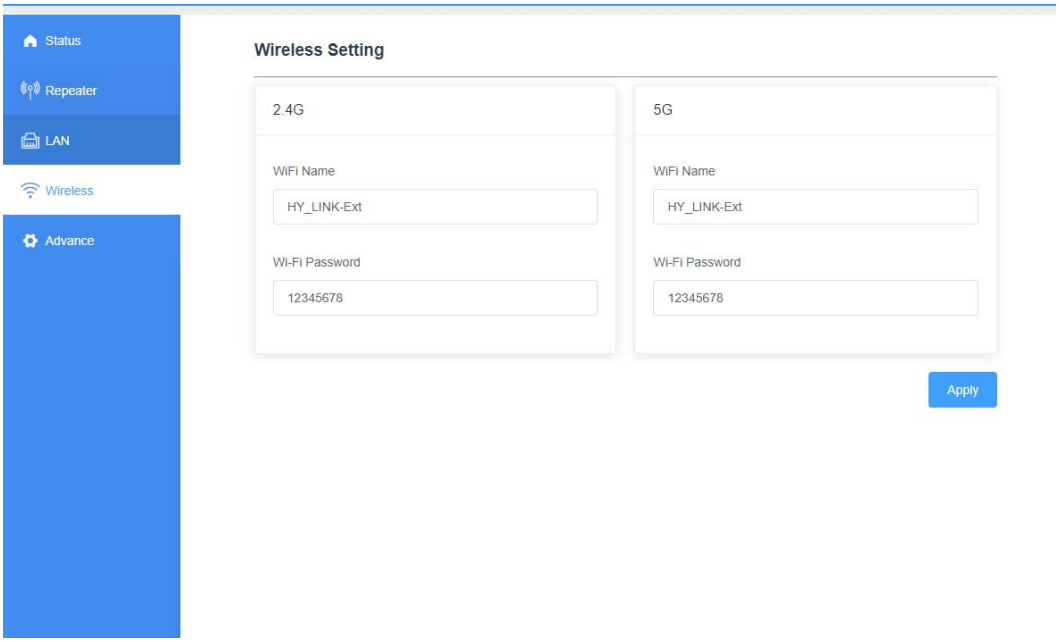
3.2.3 LAN

Enter [LAN] page, you can configure LAN information.



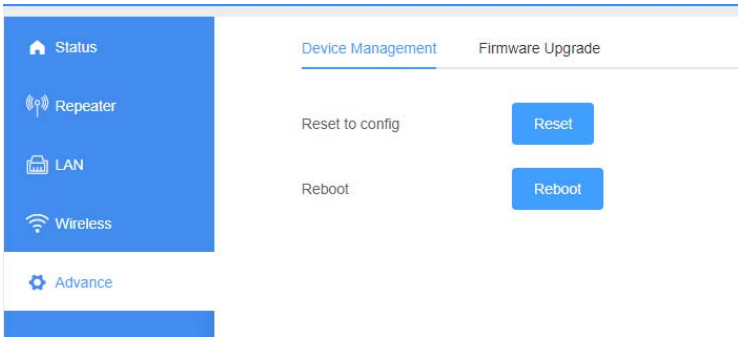
3.2.4 Wireless

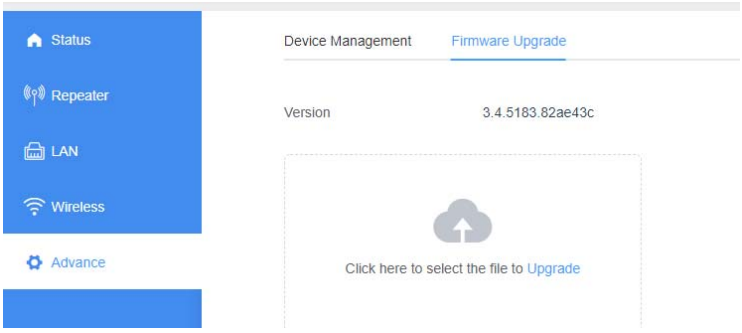
Enter the [Wireless] page, you can configure the WiFi information of the repeater.



3.2.5 Advance

Enter the [Advance] page, you can Reboot, Reset, and Upgrade the firmware of the repeater.


Status
Repeater
LAN
Wireless
Advance
Device Management
Firmware Upgrade
Reset to config
Reset
Reboot
Reboot


Status
Repeater
LAN
Wireless
Advance
Device Management
Firmware Upgrade
Version
3.4.5183.82ae43c
Click here to select the file to Upgrade

FCC Caution：

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 or more 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.

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.