

Wireless Repeater KN300

User Guide

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1 Introduction

1.1 Brief Introduction

KN300 is a wireless repeater specially designed for large houses by HongYu Technology Co., Ltd. It works in the 2.4GHz frequency band and provides a wireless rate of up to 300Mbps. It is your first choice for enhancing wireless signals and enjoying high-speed WiFi.

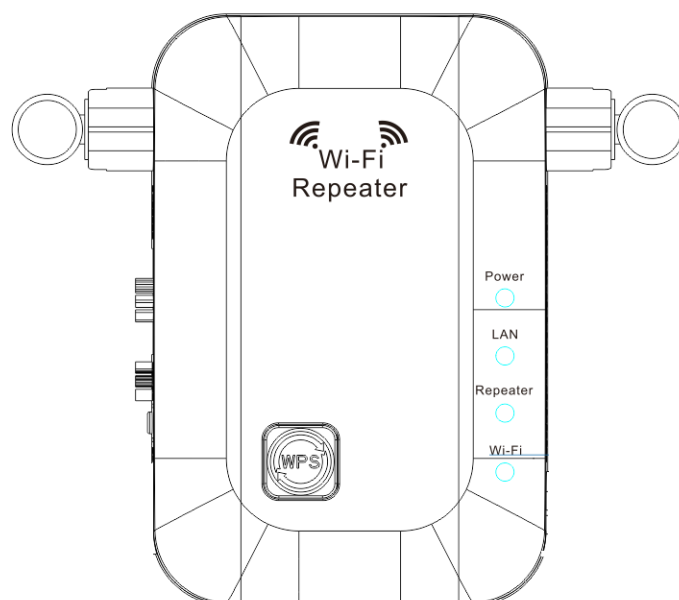
1.2 Features

- Working at 2.4GHz, compatible with 11b/g/n mode, the highest rate can reach 300Mbps;
- The page can be configured to repeater to extend the main WiFi signal, and the configuration is simple;
- Indicators visualize the Extend effect.
- Provide Power, Ethernet, Repeater and Wi-Fi LED.

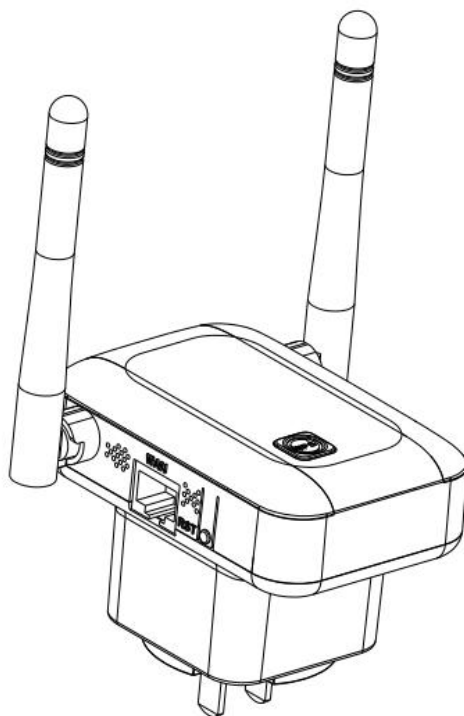
1.3 Appearance

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

KN300 Wireless Repeater

web: 192.168.19.1



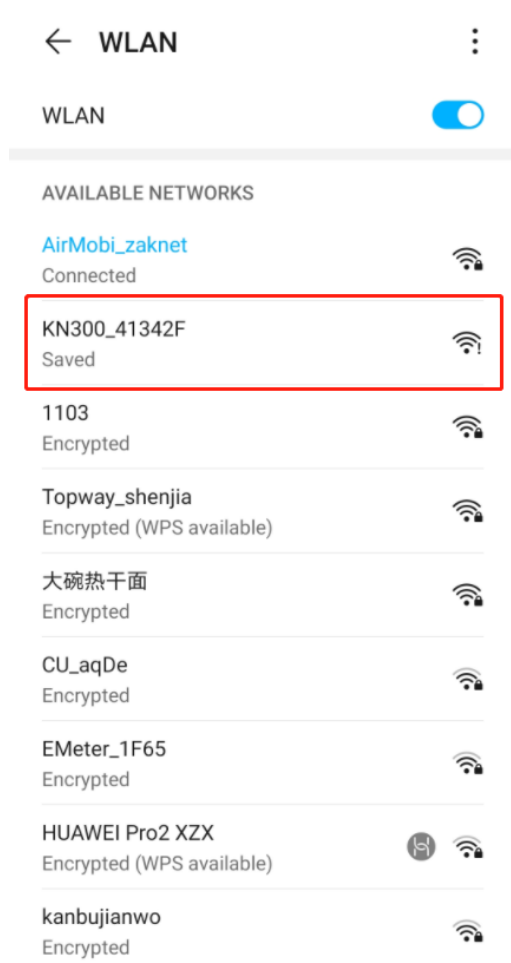
C05E79FA000B

2 Use your mobile phone to configure repeater

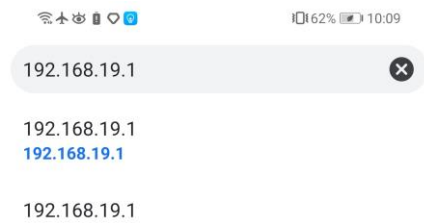
2.1 Repeater settings

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

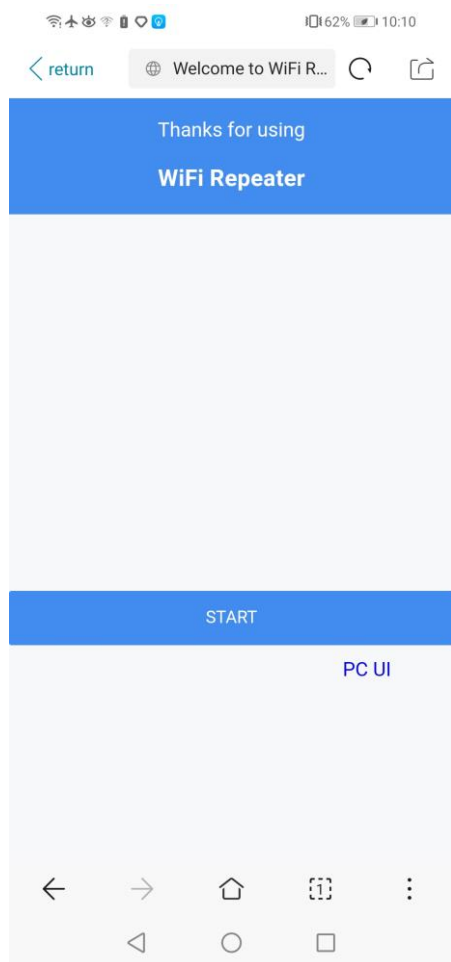
Step 2 Use your mobile phone to search for and connect to the wireless network of the repeater: KN300_XXXXXX.



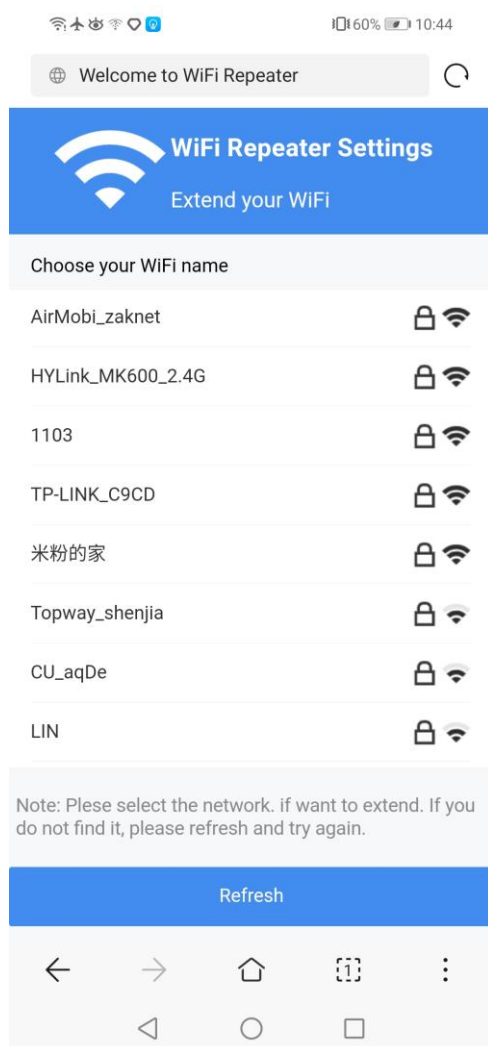
Step 3 After a while, the phone will automatically jump to the management page of the repeater; if not, please open the browser and enter "192.168.19.1" in the address bar to log in manually.



Step 4 After entering the management page, we click [START] to configure.



Step 5 After the repeater automatically searches for the surrounding WiFi, select the wireless network that needs to be extended. Such as HYLink_MK600_2.4G.



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

Step 6 If the WiFi to be extended is encrypted, please enter its wireless password. You can check [Set Repeater WiFi] to modify the wireless name of the repeater and set the password of the repeater. If not checked, the name and password of the repeater will be the same as the main WiFi. After inputting, click [Next].

- Scenario 1: Uncheck [Set Repeater WiFi]

The screenshot shows a mobile application interface for configuring a WiFi Repeater. At the top, there is a status bar with various icons and a battery level of 60% at 10:44. Below the status bar is a grey header with a globe icon, the text "Welcome to WiFi Repeater", and a refresh icon. The main content area has a blue header with a white WiFi icon, the title "WiFi Repeater Settings", and the subtitle "Extend your WiFi". Underneath is a section titled "Main WiFi" in a grey box. This section contains two input fields: "WiFi Name" with the value "HYLink_MK600_2.4G" and "Password" with masked characters "*****". Below these is a checkbox labeled "Set Repeater WiFi" which is currently unchecked. At the bottom of this section are two blue buttons labeled "Prev" and "Next". A note below the buttons states: "Note: Tick the box, then a new WiFi name will be created. If not, extended WiFi name will keep the same HYLink_MK600_2.4G". The bottom of the screen features a standard Android navigation bar with icons for back, forward, home, app drawer, and recent apps.

- Scenario 2: Check [Set Repeater WiFi]

WiFi Repeater Settings
Extend your WiFi

Main WiFi

WiFi Name HYLink_MK600_2.4G

Password

☒ Set Repeater WiFi

Repeater WiFi

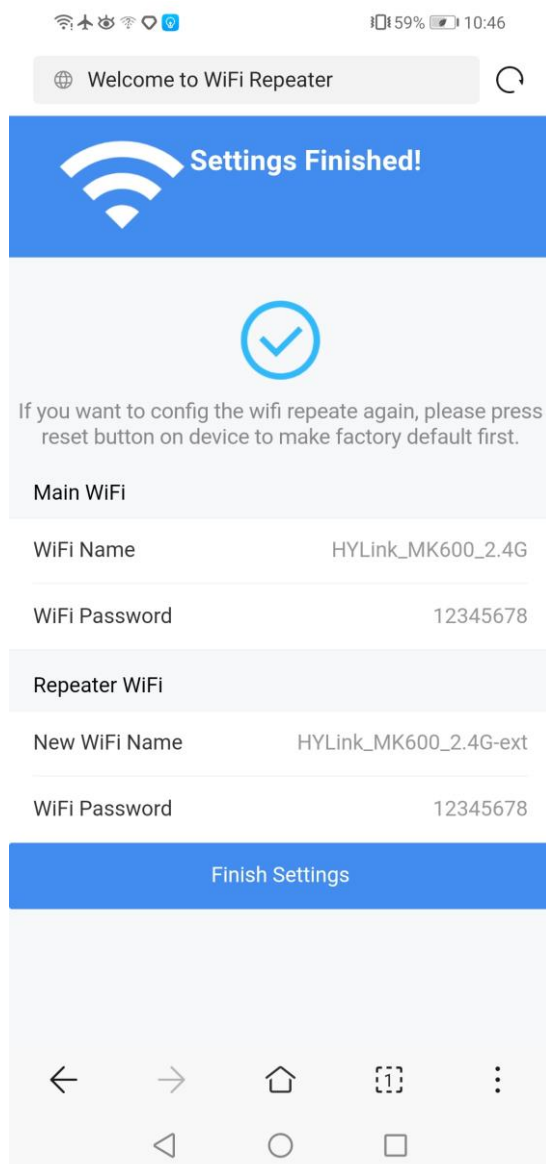
Repeater WiFi HYLink_MK600_2.4G-ext
name

Repeater Password

Prev Next

Note: Tick the box, then a new WiFi name will be created. If not, extended WiFi name will keep the same HYLink_MK600_2.4G

Step 7 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

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

Step 2 Use a PC to search for and connect to the wireless network of the repeater: KN300_XXXXXX.



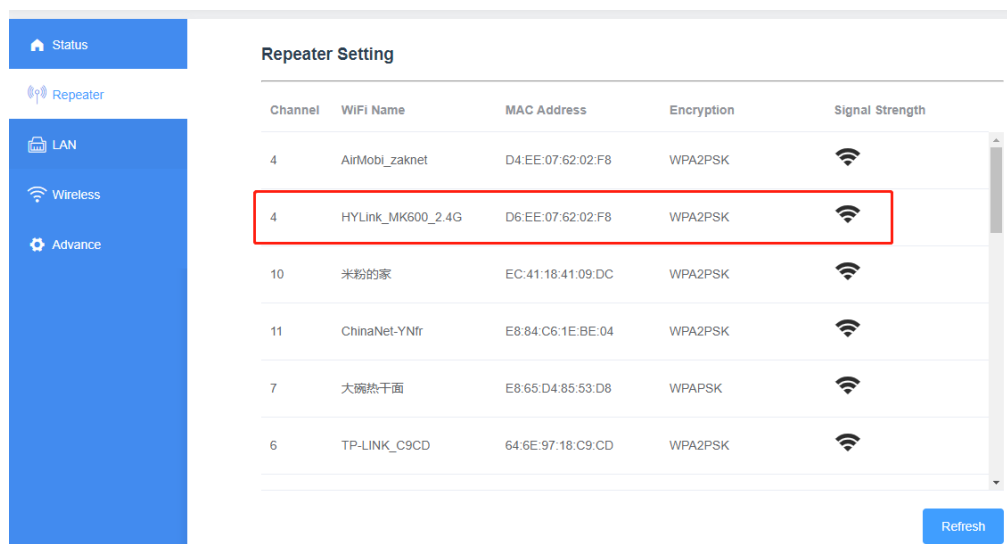
Step 3 Open the browser and enter "192.168.19.1" in the address bar to log in manually.

| | | |
|-------------|-------------|-------------------|
| Home Status | Model | KN300 |
| Repeater | Version | 2.152.7b959649 |
| LAN | Uptime | 4Min |
| Wireless | WiFi | KN300_41342F |
| Advance | Channel | 8 |
| | MAC Address | 28:AD:3E:41:34:2F |
| | Repeater | Disabled |
| | Main WiFi | |
| | MAC Address | |
| | Status | Disconnected |

Step 4 After entering the management page, we click [Repeater] to configure.

| | |
|-------------|--|
| Home Status | Repeater Setting |
| Repeater | Channel WiFi Name MAC Address Encryption Signal Strength |
| LAN | No Data |
| Wireless | |
| Advance | Refresh |

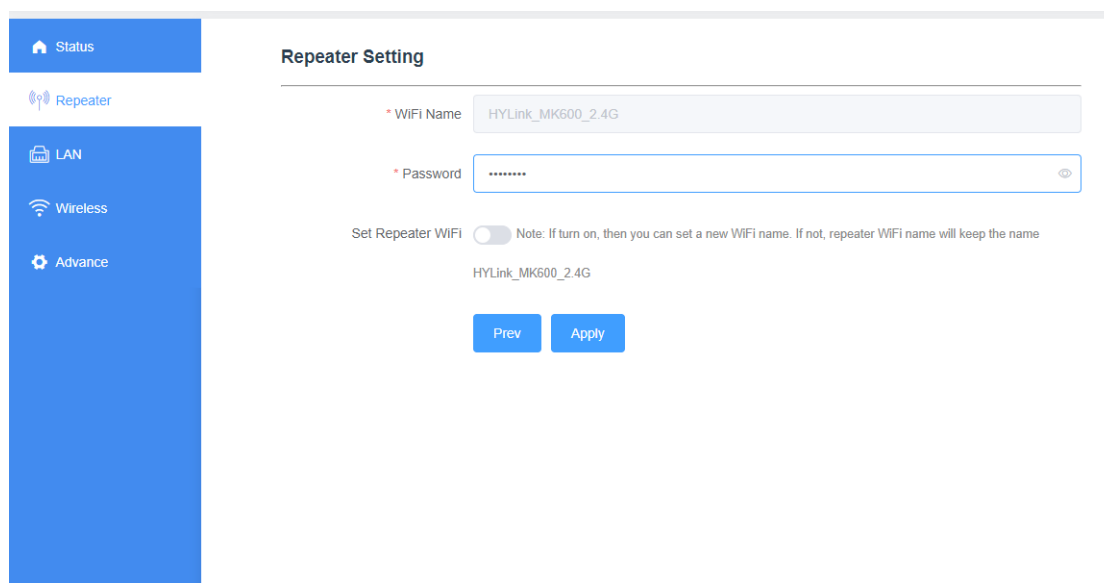
Step 5 After the repeater automatically searches for the surrounding WiFi, select the wireless network that needs to be extended. Such as HYLink_MK600_2.4G.



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

Step 6 If the wireless WiFi to be extended is encrypted, please enter its wireless password. You can check [Set Repeater WiFi] to modify the wireless name of the repeater and set the password of the repeater. If not checked, the name and password of the repeater will be the same as the main WiFi, and then click [Apply].

- Uncheck [Set Repeater WiFi] and click [Apply], the name and password of the repeater will be the same as the main WiFi.



- Check [Set Repeater WiFi] to configure the WiFi name and password of the repeater.

Step 7 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.

- The wireless name and password of the repeater: set in **Step 6**, if not check, the name and password of the repeater will be the same as the main WiFi.
- 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.

Step 1 When the repeater is operating normally, use a computer to search for and connect to the repeater's WiFi: KN300_XXXXXX.



Step 2 Set the computer's IP address:192.168.19.2。

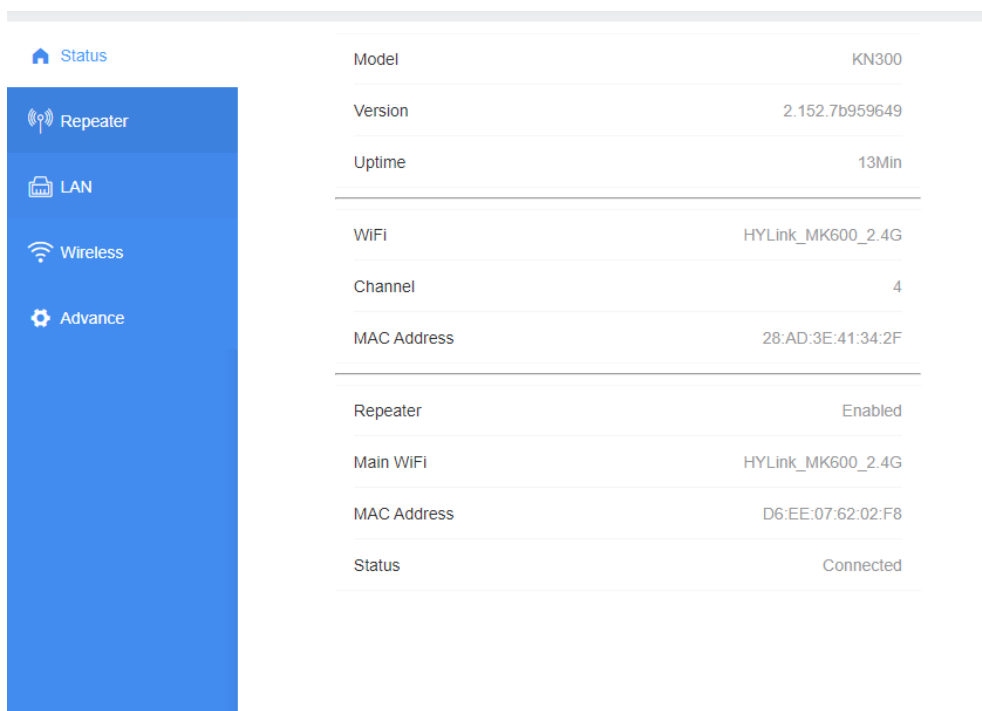
Step 3 Open the browser and enter "192.168.19.1" in the address bar to log in manually.

| | | |
|----------|-------------|-------------------|
| Status | Model | KN300 |
| | Version | 2.152.7b959649 |
| | Uptime | 12Min |
| | WiFi | KN300_41342F |
| | Channel | 8 |
| | MAC Address | 28:AD:3E:41:34:2F |
| | Repeater | Disabled |
| | Main WiFi | |
| | MAC Address | |
| | Status | Disconnected |
| Repeater | | |
| LAN | | |
| Wireless | | |
| Advance | | |

Complete

3.2.1 Status

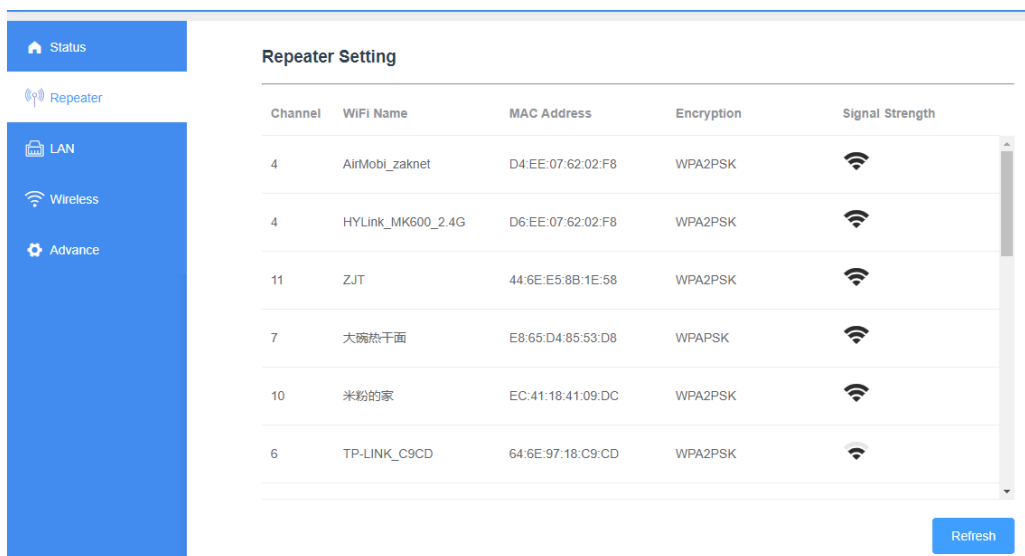
After the repeater setting is completed, log in to the [Status] page of the repeater, and you can view the repeater status and running status of the extend.



| | |
|-------------|-------------------|
| Model | KN300 |
| Version | 2.152.7b959649 |
| Uptime | 13Min |
| WiFi | HYLink_MK600_2.4G |
| Channel | 4 |
| MAC Address | 28:AD:3E:41:34:2F |
| Repeater | Enabled |
| Main WiFi | HYLink_MK600_2.4G |
| MAC Address | D6:EE:07:62:02:F8 |
| Status | Connected |

3.2.2 Repeater

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



| Channel | WiFi Name | MAC Address | Encryption | Signal Strength |
|---------|-------------------|-------------------|------------|-----------------|
| 4 | AirMobi_zaknet | D4:EE:07:62:02:F8 | WPA2PSK | 📶 |
| 4 | HYLink_MK600_2.4G | D6:EE:07:62:02:F8 | WPA2PSK | 📶 |
| 11 | ZJT | 44:6E:E5:8B:1E:58 | WPA2PSK | 📶 |
| 7 | 大碗热干面 | E8:65:D4:85:53:D8 | WPAPSK | 📶 |
| 10 | 米粉的家 | EC:41:18:41:09:DC | WPA2PSK | 📶 |
| 6 | TP-LINK_C9CD | 64:6E:97:18:C9:CD | WPA2PSK | 📶 |

Refresh

3.2.3 LAN

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

The screenshot shows the 'LAN Setting' page. On the left is a blue sidebar with navigation icons: Status (home), Repeater (signal), LAN (router), Wireless (wifi), and Advance (gear). The 'LAN Setting' page has a title bar and two input fields: 'IP Address' with the value '192.168.19.1' and 'Netmask' with the value '255.255.255.0'. Below these fields is a blue 'Apply' button.

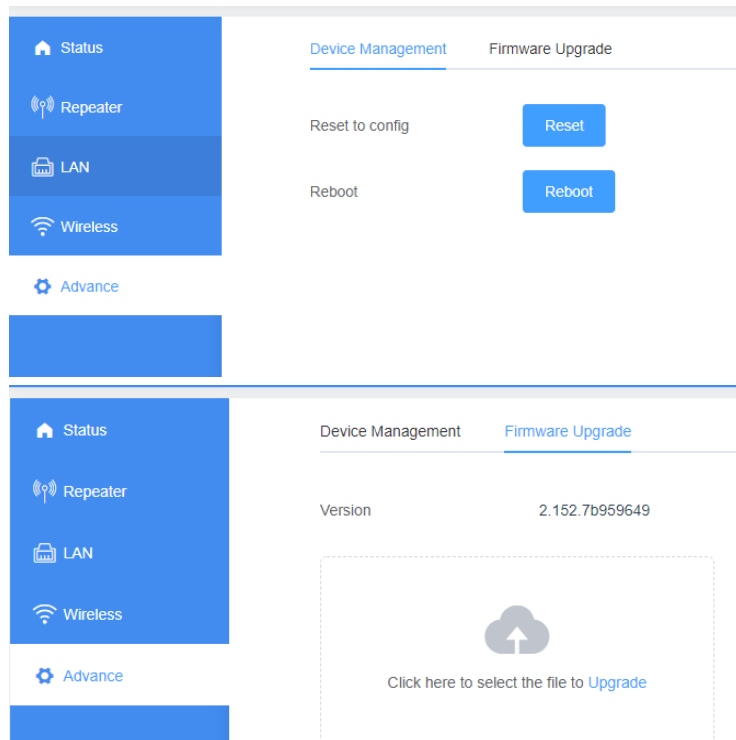
3.2.4 Wireless

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

The screenshot shows the 'Wireless Setting' page. On the left is a blue sidebar with navigation icons: Status (home), Repeater (signal), LAN (router), Wireless (wifi), and Advance (gear). The 'Wireless Setting' page has a title bar and several configuration options: 'Repeater' (dropdown menu set to 'Enabled'), 'WiFi Name' (text field with 'HYLink_MK600_2.4G'), 'Hide Wi-Fi' (dropdown menu set to 'Disabled'), 'Channel' (dropdown menu set to '4'), 'Band Width' (dropdown menu set to '20M'), 'Encryption' (dropdown menu set to 'WPA2PSK/AES'), and 'Wi-Fi Password' (text field with '12345678'). Below these fields is a blue 'Apply' button.

3.2.5 Advance

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



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.