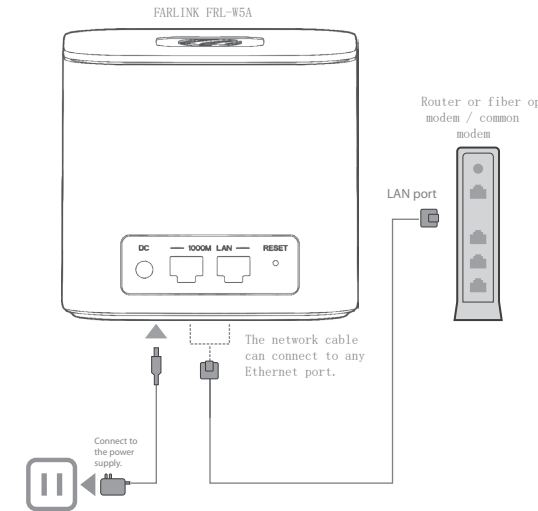


FARLINK FRL-W5A

Quick Start Guide



Step 1: Wire the device



*The FRL-W5A itself does not provide the routing function and needs to connect to a router or a fiber optic modem or common modem with the routing function.

Step 2: Connect Wi-Fi

Connect the mobile phone or computer to the Wi-Fi.



Find the Wi-Fi name on the nameplate at the bottom of the device.



*The device generates two Wi-Fi names by default, and the last four characters of the names are the same as those of the device MAC address.

Step 3: Access the management system

Scan the QR code at the bottom of the device or enter farlinkwireless.com to access the device management system. If the device is not connected to a router, enter 192.168.1.100 in the browser.



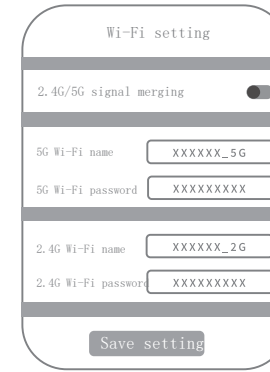
Management system: farlinkwireless.com
Management address: 192.168.1.100



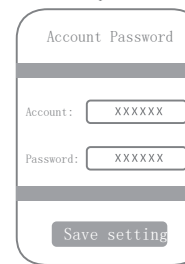
*When the device is not connected to a router, ensure that the IP address of the mobile phone or computer is in the 192.168.1 network segment, and then configure the device.

Step 4. Configure Wi-Fi

Change the Wi-Fi name and password



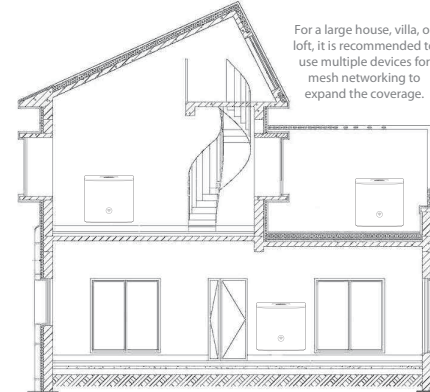
Change user name and password



After configuration, connect the mobile phone or computer to the Wi-Fi again.

*The 5G signal has strong anti-interference capability. It is recommended to generate 5G and 2.4G signals separately and use 5G signals preferably.

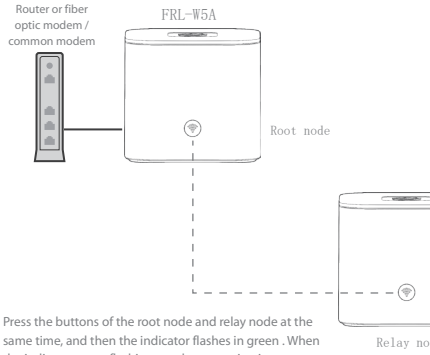
Coverage expansion



*Select a proper number of devices and the deployment locations based on the house type and area.

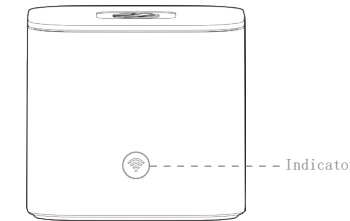
Mesh networking

Press the WPS key on the device to set up mesh connection to expand the coverage



*Perform the same operations for more relay nodes.

Indicator



Indicator Color	Status	Description
Green	steady on	The device is in normal running.
Orange	steady on	The device is starting.
Red	steady on	The device is not networked or the uplink is disconnected.
Green	flashing	The WPS configuration is started or the software is being upgraded.
Yellow	flashing	The bandwidth of the accessed network is 10/100M or the return wireless signal is weak.
Orange	flashing slowly	The device is triggered to perform resetting or restore to the default setting.

*Hold down the indicator button for more than three seconds to turn on or off the display of the indicator light.

This document is for reference only and does not constitute any form of commitment.

Common Problems

1. The AP device cannot access the Internet?

A: If the mobile phone can't find the WiFi of the AP device, ensure that the AP device is powered on, wait a moment (wait for the AP device to start), and then scan the connection again on the mobile phone.

If the indicator is red, and the return signal quality in the status information on the interface is displayed as "None", ensure that the network port of the AP device is not loose or in poor contact, and the network cable is normal.

2. The mobile phone APP cannot recognize the AP device?

A: Ensure that the mobile phone is connected to the Wi-Fi signal of the AP device.

A: If there is no Wi-Fi signal, ensure that the AP device is powered on, wait a moment (wait until the AP device is started), and then scan the Wi-Fi signal of the AP device and connect the mobile phone to this Wi-Fi.

If the AP device is not connected to a router, ensure that the IP address of the mobile phone or terminal is in the same network segment as the IP address 192.168.1.100 of the AP device management system, and enter the IP address of the management system in the browser.

It is recommended that there are not more than two walls between the AP device and the mobile phone for configuring the AP device.

3. How to restore the AP device to the factory setting?

A: Connect the AP device to the power supply, wait for a moment (wait until the AP device is started), use a needle to hold down the RESET hole of the AP device for more than five seconds and release the RESET hole after the indicator flashes in red. After restarted, the AP device restores to the factory setting.

4. Does the AP device support 5G Wi-Fi? How to connect to 5G Wi-Fi?

A: In a short period of time, press the WPS keys of the root node AP device and the relay node AP device in turn to start standard WPS negotiation to extend Wi-Fi connection to the relay node AP device, thus expanding signal coverage. It should be noted that when you press the WPS key of the relay node to associate the relay node to the root node for the first time, the indicator of the relay node flashes quickly for a period of time, and turns into red for a few seconds and then into green. This indicates that the connection is successful. If the indicator remains in red after a period of time, press the WPS key again to perform pairing.

5. How to use the WPS function of FRL-W5A for pairing to expand coverage?

A: When the FRL-W5A AP device is powered on, press the WPS keys of the AP device and other Wi-Fi devices in turn within one minute to start standard WPS negotiation to connect other Wi-Fi devices to the Wi-Fi network of the AP device.

6. How to know the network topology and signal connection quality in the case of mesh networking of multiple devices?

A: Access the device management system with a mobile phone or PC. On the device status interface, you can see the topology of multiple devices and the baud rate of connection between the devices. High baud rate means good signal quality.

Safety Information

• For the sake of user safety and stable operation of the device, read carefully and strictly follow the following precautions before using and operating the device.

• The radio waves generated by electronic devices may affect the normal operation of implantable medical devices or personal medical devices, such as hearing aids, cochlear implants, and pacemakers. If you are using these medical devices, consult the device manufacturer for restrictions on using these devices.

• When using the AP device device, keep it at least 20 cm away from the implanted medical devices (such as cochlear implant, pacemaker, and hearing aid).

• The normal operating temperature range of the device is 0°C to 40°C, and the storage temperature is - 40°C to + 70°C. High or low ambient temperature may cause device failure.

• Only accessories approved by the device manufacturer can be used. Using other types of accessories violating the warranty terms of the device and the relevant regulations of the country where the device is located, and may cause accidents. To obtain authorized accessories, apply according to after-sales service information.

• The power socket should be installed near the device and easy to access.

• When the AP device is not used, disconnect the power supply from the device and remove the power plug from the power socket.

Environmental Protection Requirements

• Comply with the local laws and regulations for disposal and recycling of this device and its accessories.

• Do not treat the device and its accessories as ordinary domestic waste.

Harmful Substance Declaration of Electronic Information Products

Component Name	Toxic and Harmful Substance or Element					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ether (PBDE)
Circuit board	X	0	0	0	0	0
Structural component	X	0	0	0	0	0
Charger	0	0	0	0	0	0
Antenna	0	0	0	0	0	0
This form is based on SJ/T11364. "0" means that the content of the toxic and harmful substance in all homogeneous materials of the component is below the limit specified in GB/T26572 standard. "X" indicates that the content of the toxic and harmful substance in at least one homogeneous material of the component exceeds the limit requirements specified in GB/T26572, and there is no mature alternative scheme in the industry, which meets the environmental requirements of EU RoHS directives.						
This number in the mark indicates that the environmental protection service life of the product and its components is 20 years. Some components may also be marked with a number indicating the environmental protection service life. The environmental protection service life is only used under the conditions specified in this product manual. Products of different models may not include all the above components except the AP device. Refer to the actual sales configuration of the product.					20	

Warranty Card

Dear user,thank you for using products of Farlink Electronic Technology Co.,Ltd.Inorder to better serve you,please read,fill in and keep this warranty card properly.

Product model: FRL-W5A	Serial No.:
Purchase date:	Distributor:
Customer name:	Addr.:
Contact:	Tel.:

Seller: (stamp)

To guarantee your legal rights and interests, pay attention to the following:

1. The warranty card shall take effect after being sealed by the seller.
2. Keep the warranty card properly. It will not be re-issued if lost and becomes invalid if altered.
3. In the case of any fault caused by non-human factors, users can go to the designated maintenance point for free repair within the warranty period with the warranty card and the purchase invoice marked with the product number.

Warranty Description

Within one year from the date of purchase, Farlink products purchased through legal channels can enjoy the product warranty service in the case of hardware failure caused by non-human factors.

Any of the following conditions during use is not covered by the warranty:

1. Failure or damage caused during transportation and loading/unloading
2. Failure caused by unauthorized dismantling and refitting
3. Failure caused by the use environment not meeting the product requirements
4. Failure or damage caused by force majeure (such as fire, earthquake, and lightning strike)
5. Damage caused by failure to use, maintenance and repair according to the product manual
6. Damage of the equipment housing and power supply during use
7. Warranty card not matching the product serial number or warranty card altered

Product name: AC2100 wireless intelligent networking terminal
Product model: FRL-W5A
Manufacturer: Farlink Electronic Technology Co., Ltd.
Address: Room 103-1,Building 3rd,Chao loft Cultural and Creative Park,No115,Huarui Rd,Langkou Neighborhood,Dalang St,Longhua Dist,Shenzhen City.
Room 22 / F D4, phase 2, Tsuen Yun Industrial Center, No. 57 Sha Tsui Road, Tsuen Wan, Hong Kong



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.

*RF warning for Mobile device:
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.