Longevity LGAP100-4G

Wireless AP

User Manual

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Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages losses and body injuries.

Electrical Safety Information

- ✧ This product uses 24V POE as power source. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
- ✧ There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- ✧ Do not use this product in location that can be submerged by water.
- ✧ Do not install this product during an electrical storm. There may be a risk of electric shock from lightning.

Notice Information

- ■ All the designs, software and instructions here are subject to change without prior written notice.
- ■ We would not be responsible for any damages and losses caused by improper operations or installation. Do not allow non-authorized or unqualified personnel with any kind of intervention to the product.
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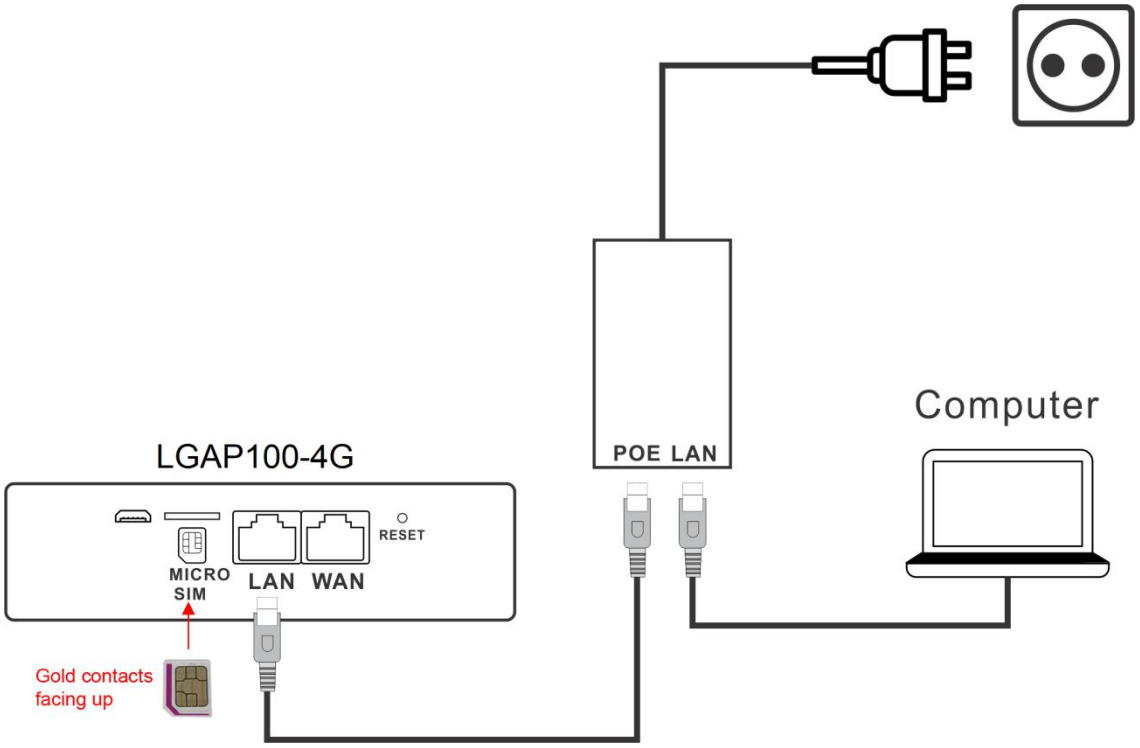
Device Connection



1. Connect the POE port of the POE injector to the LAN port of the router.
2. Connect the LAN port of the POE injector to the PC LAN port or network switch.
3. Set the PC to “Obtain an IP address automatically”, and connect the LAN port of the POE injector to the PC LAN port or a network switch.

LED indicators

4G	Flash fast: Searching network Flash slow: Network registered OFF: No network/SIM card In Bridge or Repeater mode
	Flashing: Wireless bridge or repeater mode connected ON: In 4G mode
	LAN connection status
	Power status

To reset to factory default settings, press and hold the reset button for 10 seconds.

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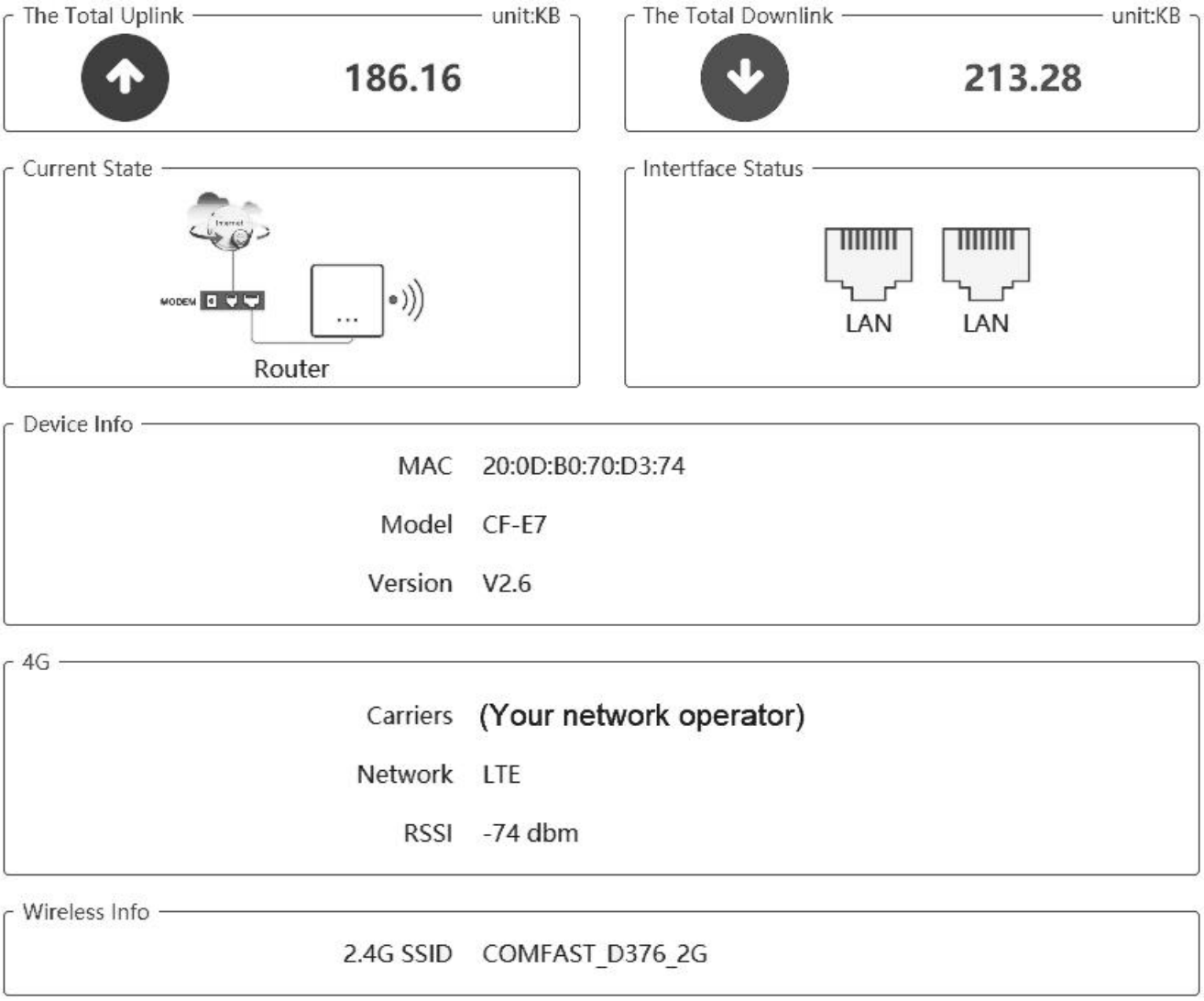
4G Internet Mode Setting

a) The device defaults to 4G Internet access mode.
b) Insert a **Micro SIM** into the SIM card socket **before** powering up.
c) Power on the device. It takes about 1 minute to finish the boot-up process. Please wait patiently.
d) Connect the wireless SSID of the device (default is COMFAST_XXXX_2G, XXXX is the last 4 digits of MAC) or connect the device LAN port to the PC through the network cable.
e) Open a browser. Enter 192.168.10.1 in the address bar.
f) Enter the login password(**default:** admin).
g) You should see the following screen if the login password is correct:



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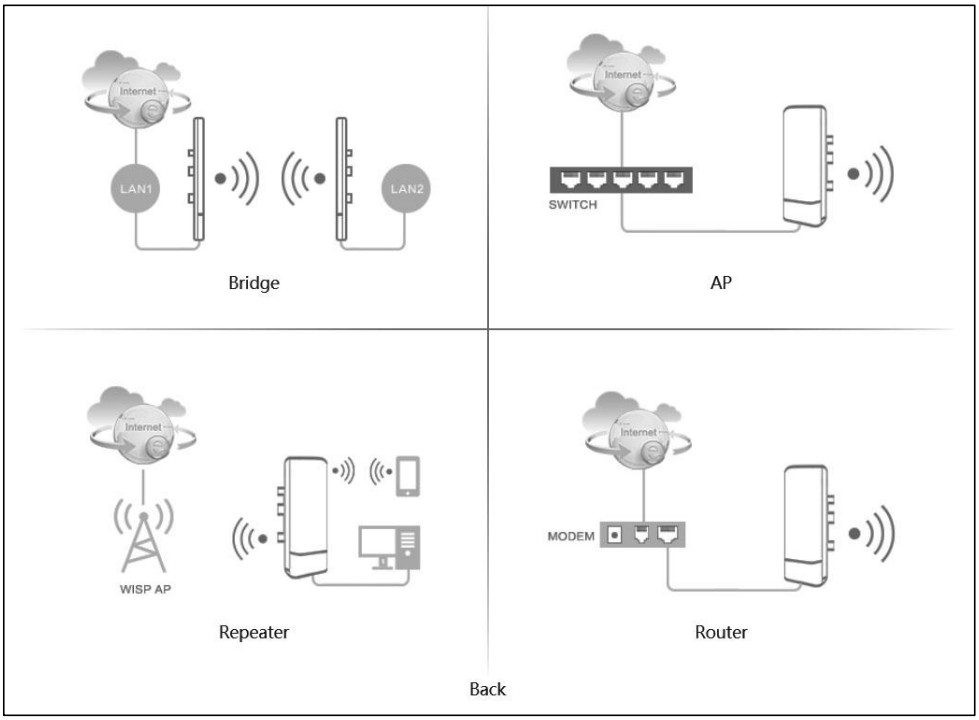
h) You can then modify the wireless SSID and password by clicking **Network/Wireless on** the left menu bar.

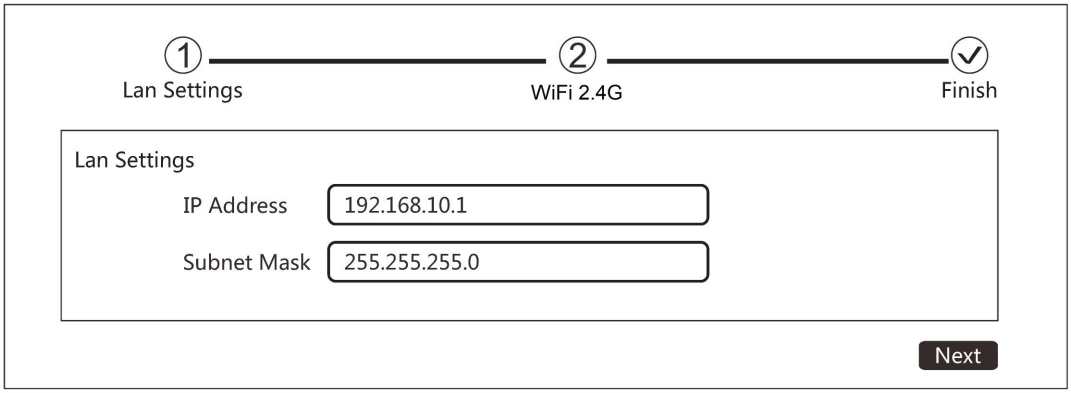
Mode Settings

Longevity LGAP100-4G has 4 working modes: **Bridge**, **Access Point (AP)**, **Repeater** and **Router**.

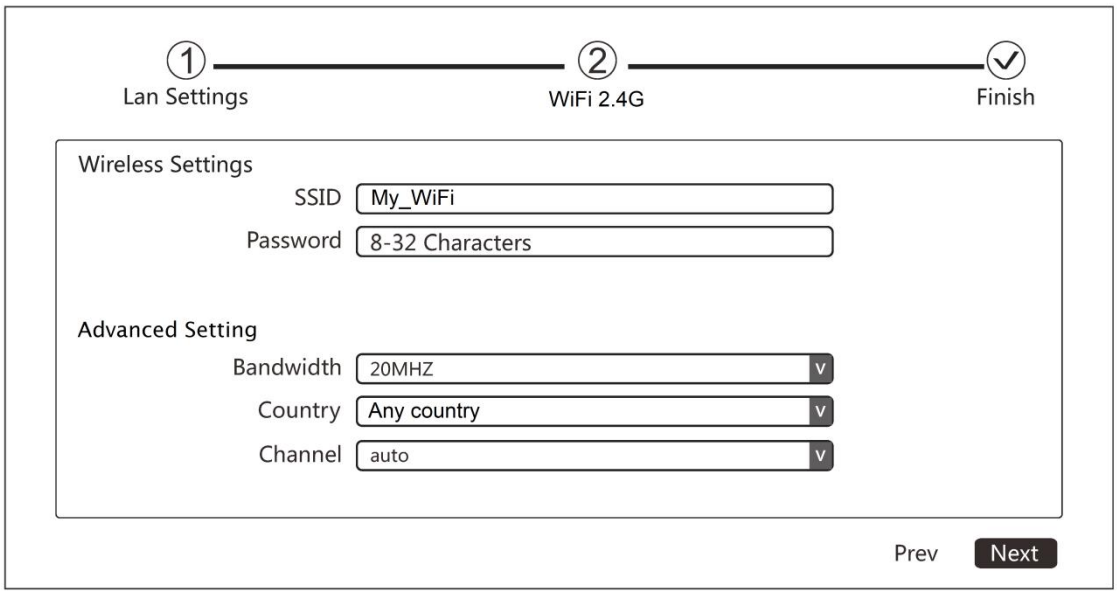


Access Point (AP) Mode

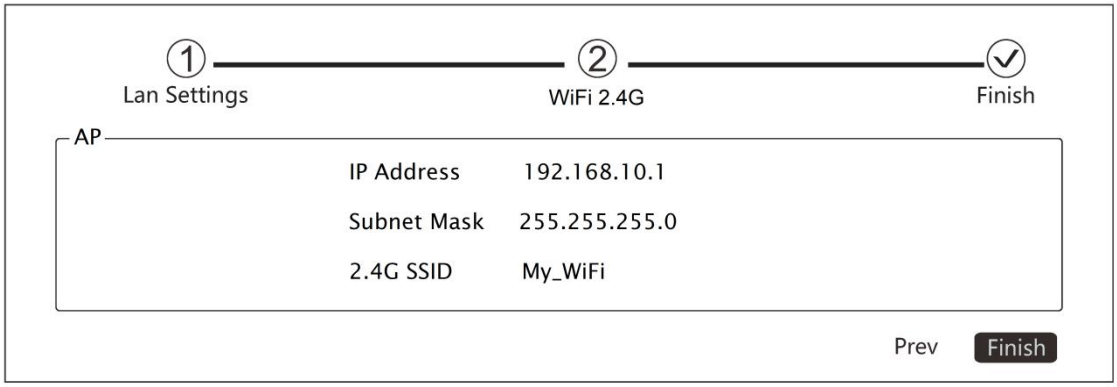
i. Change the IP address and subnet mask if required then click Next to continue.



ii. Enter a unique wireless network name (SSID) in the Local SSID field and then a 8-32 characters password. Click Next to continue.



iii. The setting for the AP will be shown. Click Finish to finish set up. The router will enter AP mode after reboot.



Note:

✧ Only 2.4GHz is supported .

✧ In AP mode, the IP address of the device connected to the AP will be allocated by the main network router.

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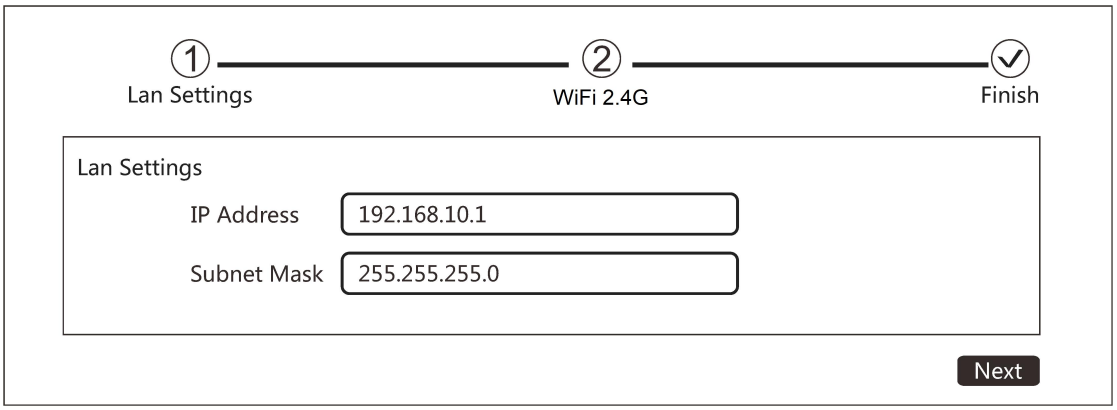
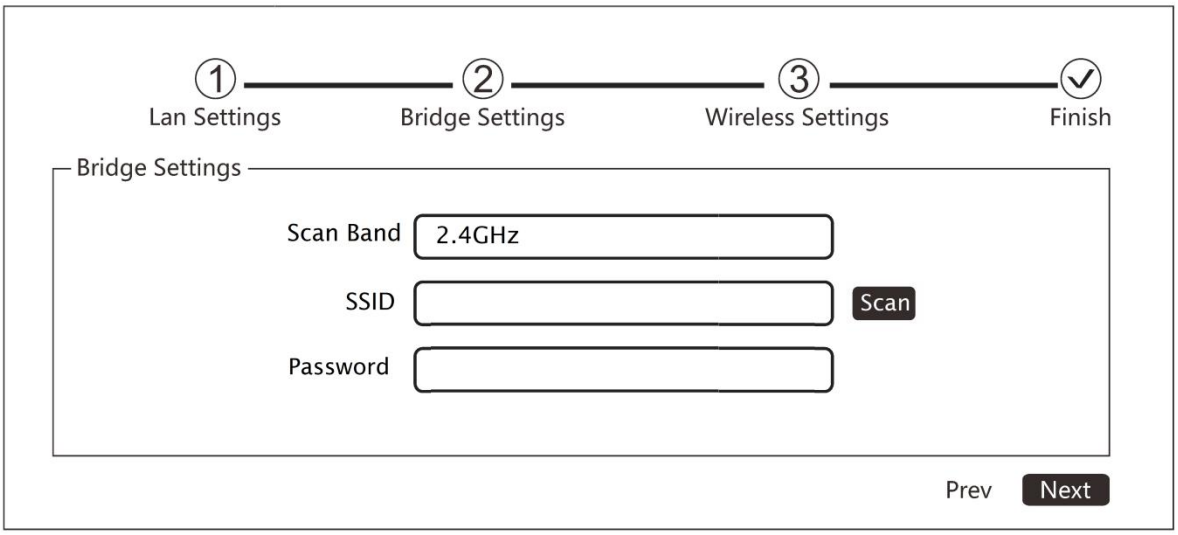
Bridge Mode

Ensure the WDS in the router to be bridged is enabled.

i. Change the IP address and subnet mask if required then click Next to continue.



ii. Press Scan to see all available WiFi signal and select the SSID you need to bridge. Click to connect the selected WiFi. Enter the password of the router to be bridged. If you know the SSID, you can also enter the SSID direct in the SSID box.



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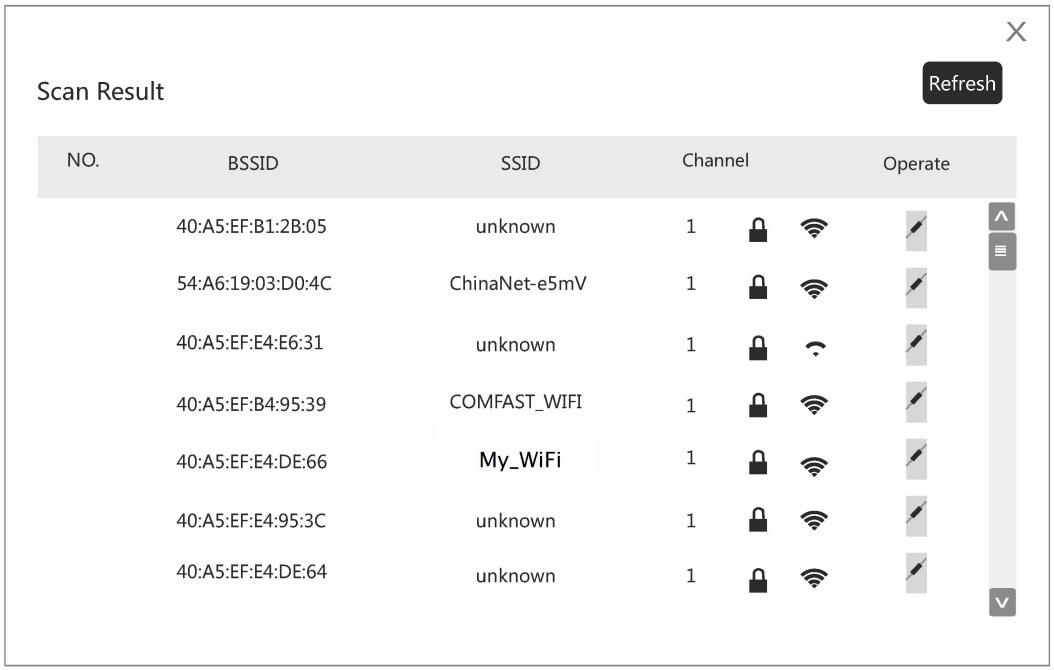
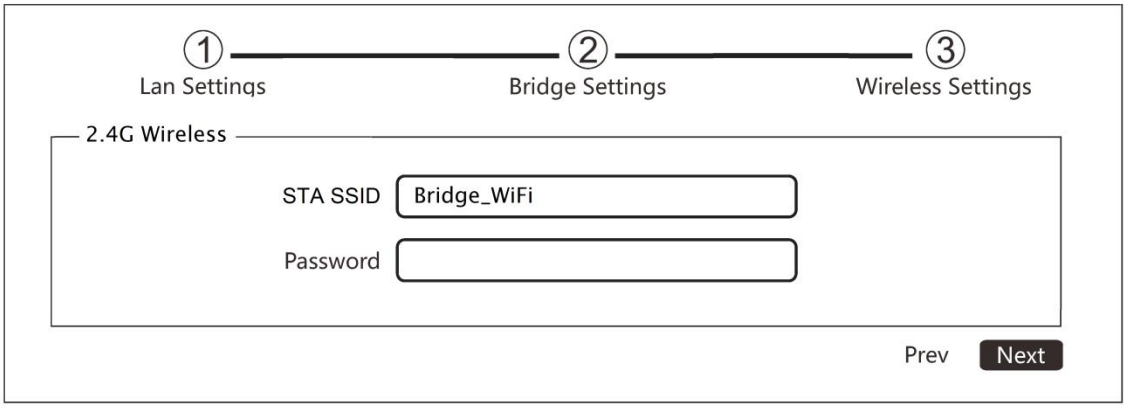
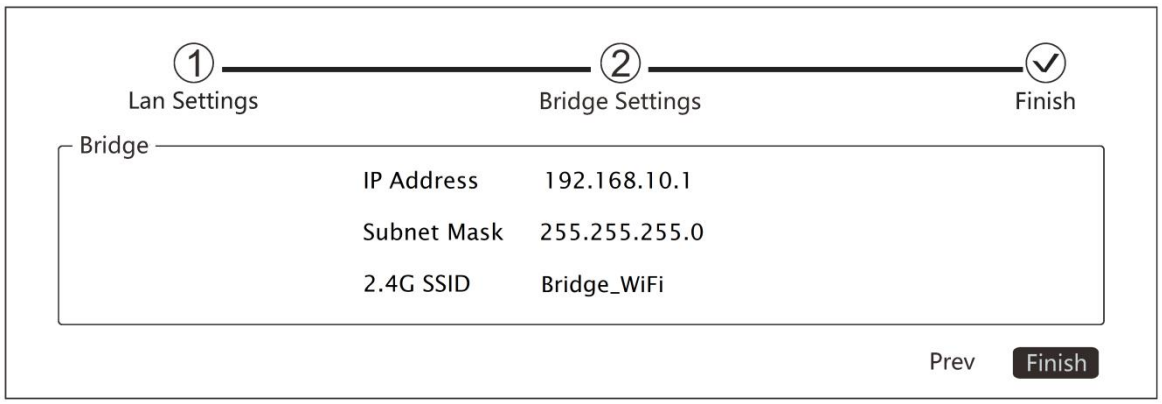


iii. Set the SSID and password for the device and click "Next" to finish setting.



iv. The settings for the bridge will be shown. Click Finish to finish set up.



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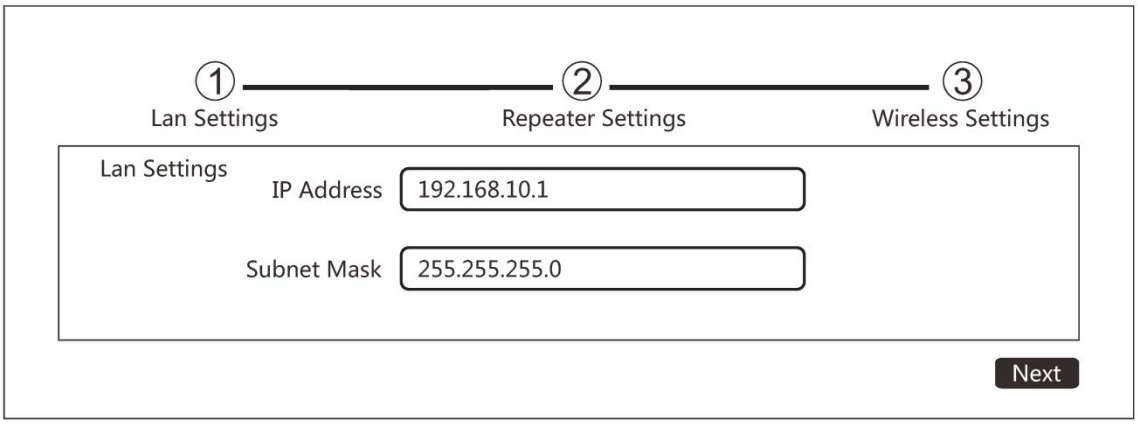
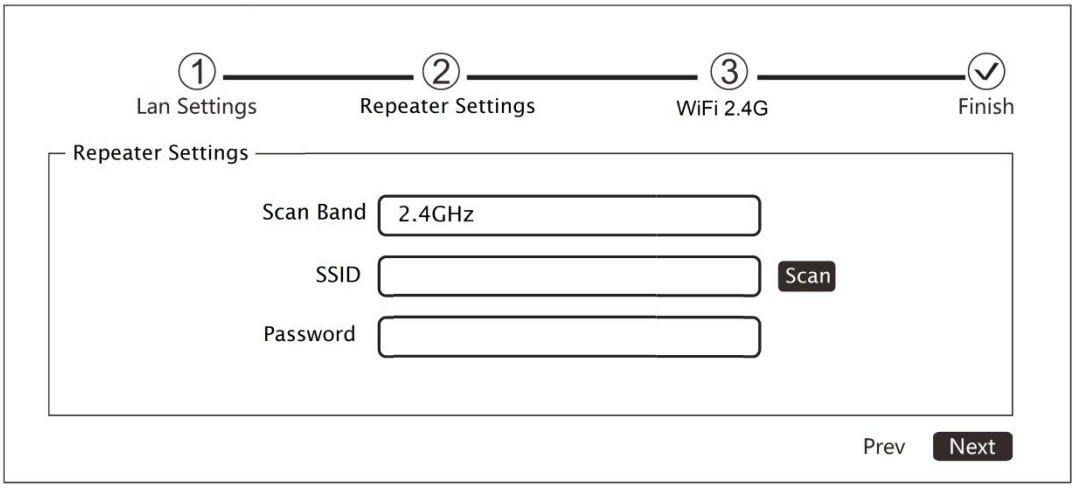
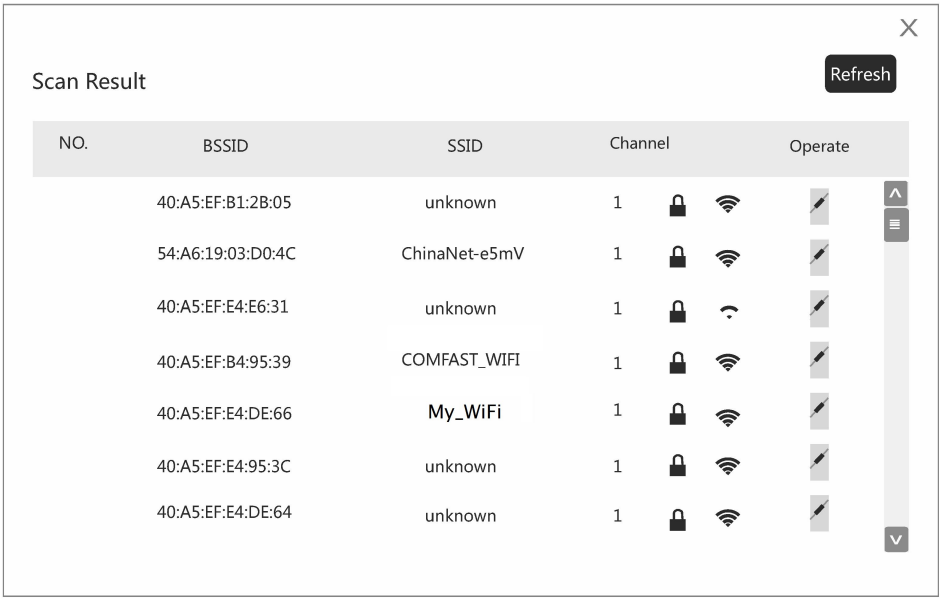
Repeater Mode

i. Change the IP address and subnet mask if required then click Next to continue.



ii. Press Scan to see all available WiFi signal and select the SSID you need to repeat. If you know the SSID, you can also enter the SSID direct in the SSID box. Click to copy the SSID to the input box. Enter the password of the selected WiFi signal to be repeated.





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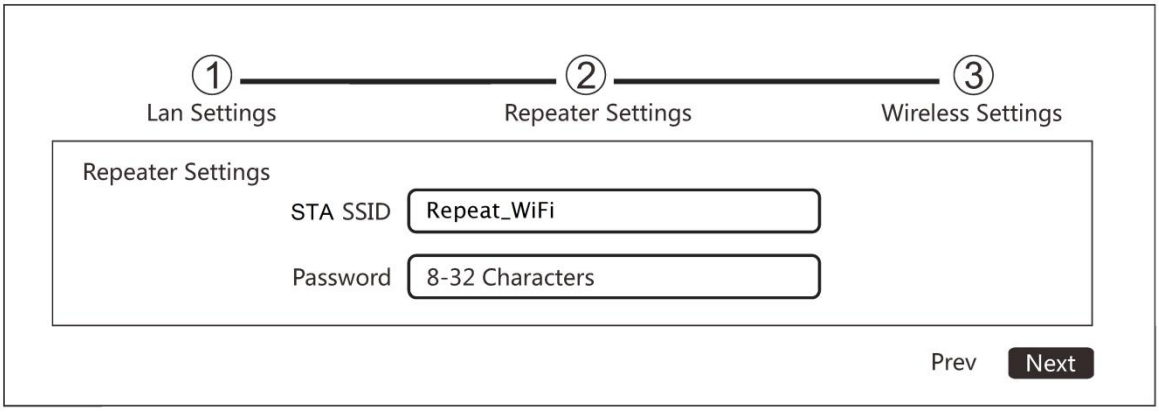
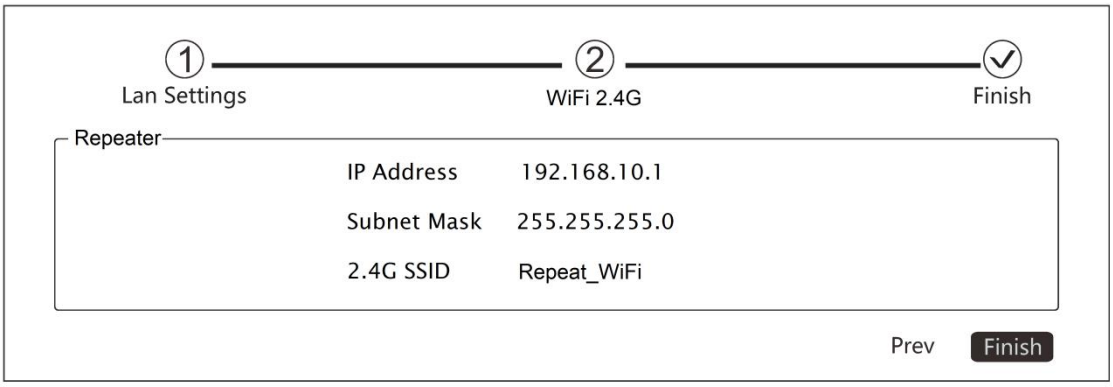
iii. Set the SSID and password for the device and click "Next" to finish settings.



iv. The settings for the repeater will be shown. Click Finish to finish set up.



v. The router will enter Repeater mode after reboot.

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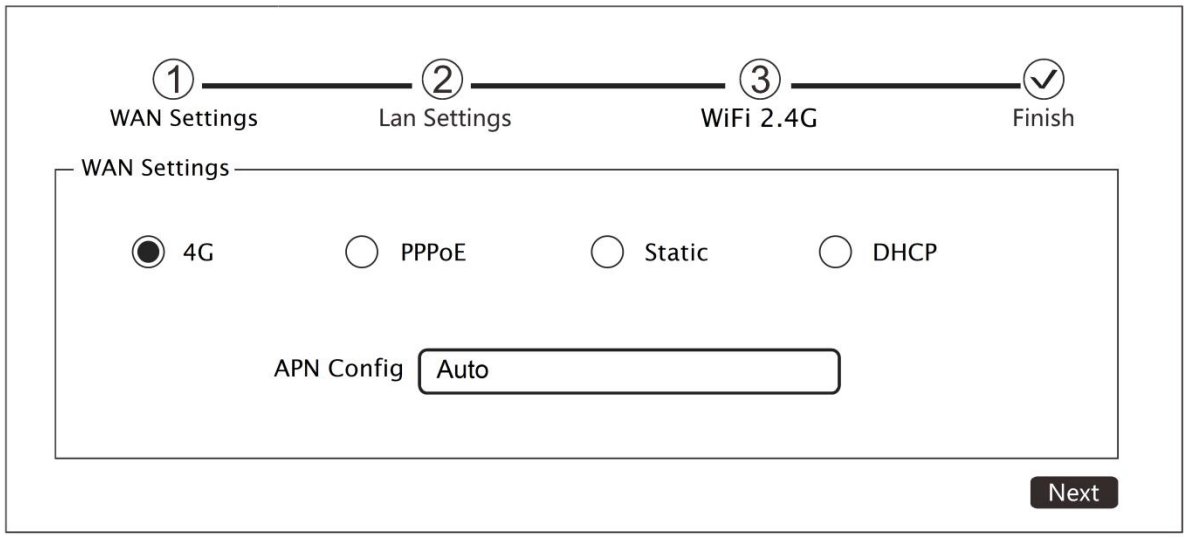
Router Mode

4G: In this mode, you can select automatic APN or manually set the APN account (the APN account is provided by the network operator).

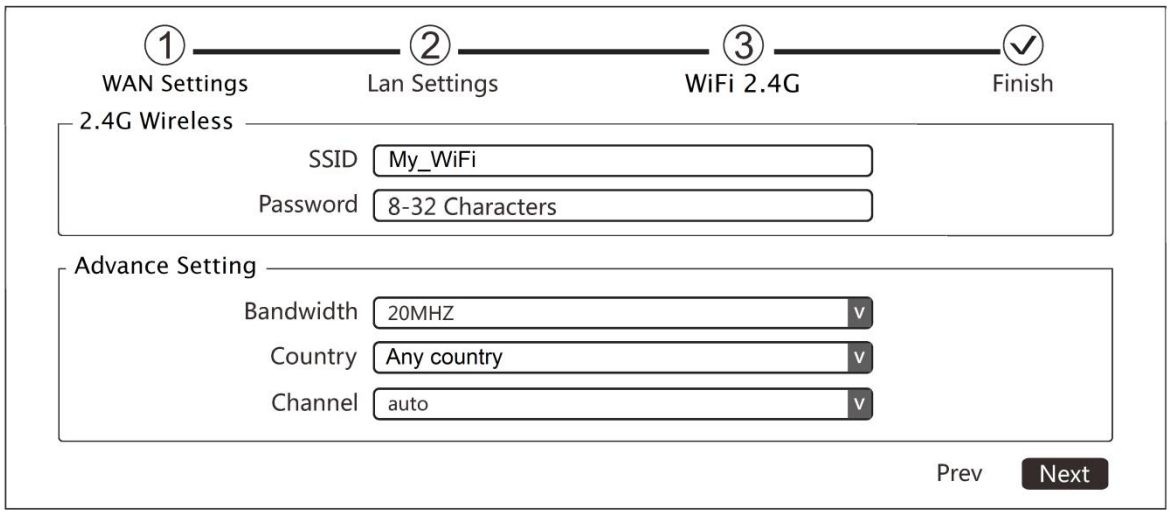
PPPoE: In this mode, you can use the router to connect to your internet operator. Enter user name, password and Service Name for the PPPoE account

Static: Static IP for connected device.

DHCP: The router acts as a DHCP server; it dynamically assigns TCP/IP parameters to client devices from the IP Address Pool.



i. Set the SSID and password for the device and click Next to continue.



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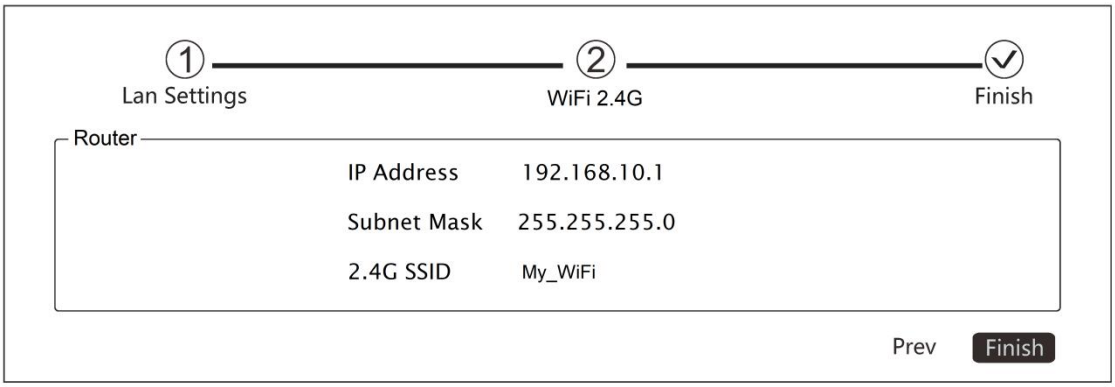
ii. Click "Finish" to finish setup.



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FAQs

Q: Do I need a power supply for the 4G router?
A: No, you don't. The 4G router is powered by 24V POE. Use a CAT5e/CAT6 cable, connect the LAN port to the 24V POE injector supplied. Connect the LAN port to the network device.

Q: How to reset the device?
A: Press and hold the RESET button for 5 seconds when power is on.

Q: How can I test the connection between the router and the PC?
A: You can ping the router.

For example, if the router IP address is 192.168.10.1 (default value):

i. Change the IP address of the PC to 192.168.10.xx where xx=3 to 255. Change the subnet mask to 255.255.255.0
ii. Open Command prompt and type: **ping 192.168.10.1 <ENTER>**

If the connection is successful, it will reply as follow:

```
Pinging 192.168.10.1 with 32 bytes of data:
Reply from 192.168.10.1: bytes=32 time<1ms TTL=64
Reply from 192.168.10.1: bytes=32 time=1ms TTL=64
Reply from 192.168.10.1: bytes=32 time<1ms TTL=64
Reply from 192.168.10.1: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Note: Make sure 0% loss as the router is connected to the PC direct, it should get 100% hit rate (0% loss).

The connection between the PC and the router is established.
You can also test the connection continuously by typing: **ping 192.168.10.1 -t <ENTER>**
Press **Ctrl-C** to stop testing.
Type **exit** to return to Windows platform.

Q: What is the default password for the web interface?
A: The default password is "**admin**".

Q: Web browser displays incorrectly.
A: Clear the cache and cookies data of the browser. Close the browser and open again.

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