

# **COMFAST**

## **Quick Installation Guide**

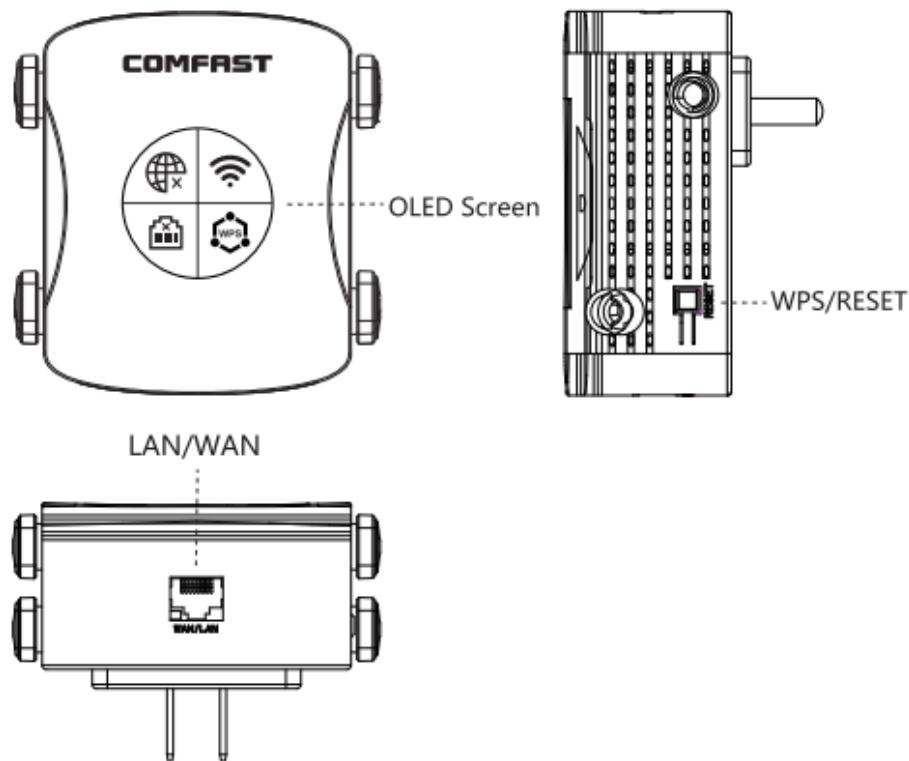


Wireless Expander/ Repeater

Version : V1.0

# 1 Introduction

## 1.1 Product Structure:



# 2 Indicator

## 2.1 Power on/Reboot indication



When powering on/rebooting, all the icons on the screen are on, wait for about 3 seconds, the icons will flash 3 times.

## 2.2、Network indication

Mode		
Repeater	Setting is successful	Setting is failed. Check the password; check if the superior device is working.
Bridge	Setting is successful	Setting is failed. Check the password; check if the superior device is working.
AP	Wired network is effective.	No network cable is connected.
Router	Wired network is effective and can surf the Internet. If can't, check the network status of the superior device.	Wired network is invalid. Check the network cable; check if the superior device has network.

## 2.3、Wi-Fi indication

Only for Repeater/Bridge mode; in other modes, indicators keep on.

is off if Repeater/Bridge mode setting is failed.

	Weak
	Medium
	Strong

## 2.4、Network port indication

Network cable is connected

Network cable is disconnected

## 2.5、WPS indication

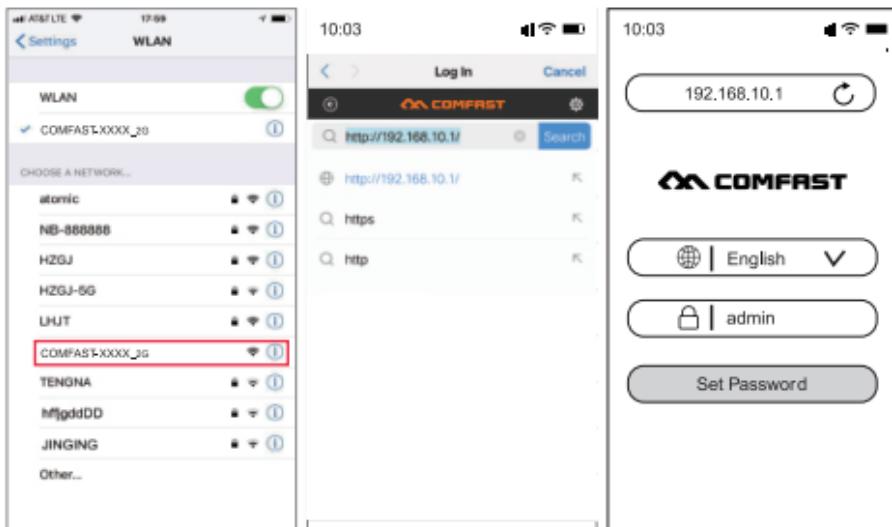
When device is trying to connect via WPS, keeps on and Wi-Fi indicator is off.



Waiting for 2 minutes or WPS setting is successful, is off and will be on.

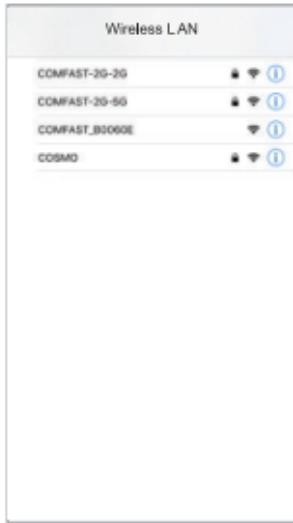
## 2 Relay installation steps

- 2.1. Plug in the power supply, wait for 1-2 minutes, and connect to WiFi "COMFAST\_XXXX\_2G" or "COMFAST\_XXXX\_5G"
- 2.2. Click the WiFi signal "COMFAST\_XXXX\_2G" or "COMFAST\_XXXX\_5G" to pop up the login interface, enter the password "admin" in the password box, and click "Set Password".



**Tip:** When logging in for the first time, the login interface will pop up automatically. There are two cases when there is no login interface: First, the mobile phone itself does not support pop-up windows; Second, once set, once again enter the interface, you need to manually, Manual entry method: Open the mobile phone browser, enter "192.168.10.1" in the address bar.

3.4. After setting the password for the first time, it will automatically enter the repeater scanning page. Set the trunk then choose SSID of the repeater, enter the upper routing password and click Save to complete the repeater, reconnect to the wireless network to access the Internet, the wireless password is the superior routing password (the expanded signal will be in the superior Add "-2G / 5G" suffix such as XXXX-2G / 5G after the WiFi name).



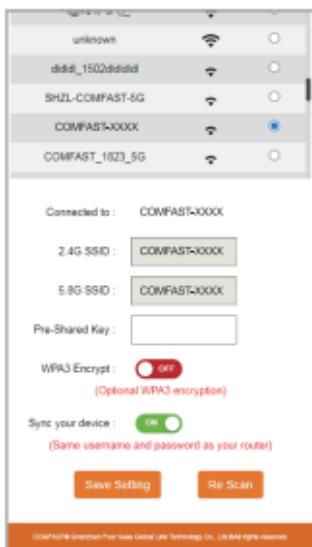
## Illustrate

WiFi5/WiFi6 switch: The repeater selects WiFi5 or WiFi6 protocol, the default is WiFi6.

WPA3 encryption: When this option is turned on, the repeater uses WPA2/WPA3 hybrid encryption.

Combine WiFi : Turn this option on, it merges 2G and 5G signals into one SSID, and only shows the SSID name after one relay in the list box.

Sync your device: Turn on this option, the new WiFi name will be the same as your original WiFi name, no need to reset the extended WiFi name.



### 3 Introduction to working mode

3.1. The software has four working modes, including relay mode, bridge mode, AP mode, routing mode (PPPoE dial-up, static IP, dynamic IP).

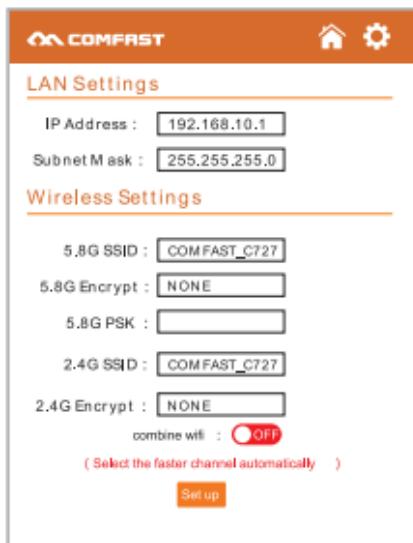
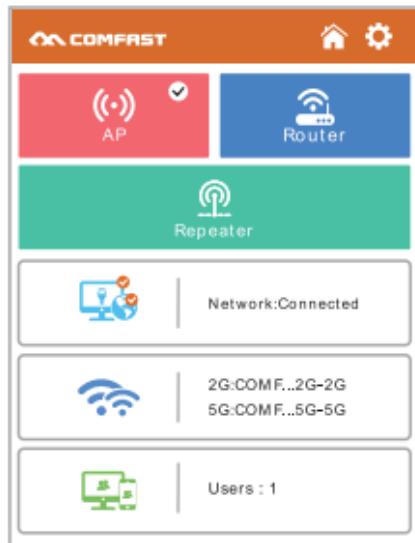
3.2. Bridge mode settings: Find and set in Advanced Mode 

3.3. AP mode setting: Enter the software management page, click AP mode, in order to facilitate management, the IP address and default gateway entered here should be the IP network segment of the upper-level router, and the IP address cannot conflict with the IP of the upper-level router. After the setting is completed, the WAN port of the device is connected to the external network, and the management device can be accessed through the set IP address.

① Note: When accessing the external network in AP mode, the IP address network segment obtained wirelessly by other mobile devices accessing the AP is allocated by the upper-level device.

② According to the default settings, it is also possible not to set the specific intranet IP address of the device; if you need to manage the device, you must manually set the IP address of the computer's local connection network card.

3.4. AP mode, you can set 2.4G/5.8G wireless SSID name and password. After setting, the WAN port of the device is connected to the external network; other mobile devices can connect to the Internet by wirelessly connecting to the SSID name of the device and entering the password.



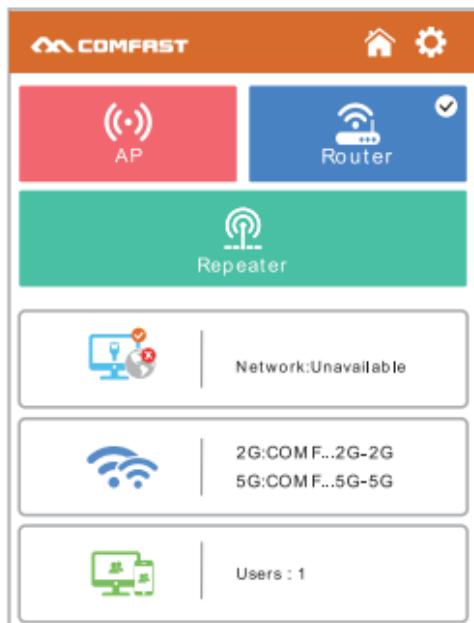
3.5. Routing mode setting: Enter the software management page, only the routing mode is displayed, click the routing mode, and you can choose three Internet access modes: "PPPoE", "Static IP" and "Dynamic IP".

1, PPPOE dial-up mode: In this mode, you need to fill in the Internet account and password provided by the network service provider. The 2.4G/5.8G wireless SSID name and wireless password can be set below.

2, Static IP mode: In this mode, you need to fill in the IP address, subnet mask, gateway, and primary DNS address provided by the network service provider. The 2.4G/5.8G wireless SSID name and wireless password can be set below.

3, Dynamic IP mode: In this mode, the WAN port can only access the Internet by assigning IP to the upper-level network device. The 2.4G/5.8G wireless SSID name can be set below.

4. IPV6 setting: Support DHCPV6 client, static IP and Relay function, the DHCPV6 client function is enabled by default.



**WAN Settings**

WAN Type:	DHCP Client
IPV6	
IPV6:	Enabled
WAN Type:	DHCPv6 Client
<b>Wireless Settings</b>	
5.8G SSID:	COMFAST500046
Wireless Mode:	11a/b/g/n
5.8G Encrypt:	WPA/WPA2
5.8G PSK:	1234567890
2.4G SSID:	COMFAST400042
Wireless Mode:	11a/b/g/n
2.4G Encrypt:	WPA/WPA2
2.4G PSK:	1234567890
Combine WiFi:	<input checked="" type="checkbox"/> (Select the better channel automatically)

**Apply**

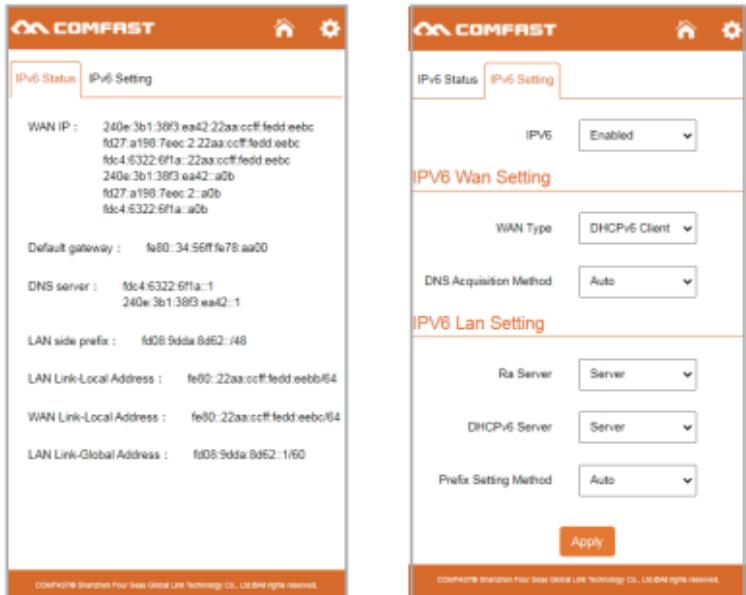
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## 4 IPv6 Setting

Click  and select to enter the  IPv6 setting page.

**IPv6 Status:** Displays the information about the IPv6 address obtained by the device.

**IPv6 Setting:** Set the IPV6 LAN and WAN information.



The image displays two side-by-side screenshots of the COMFAST web-based management interface. Both screenshots have a header with the COMFAST logo and navigation icons (Home, Settings, etc.).

**IPv6 Status (Left Screenshot):**

- WAN IP: 240e:361:383:ea42:22aa:ccff:fe0d:eebc  
fd27:a198:7ee0:2:22aa:ccff:fe0d:eebc  
fd4:6322:6f1a:22aa:ccff:fe0d:eebc  
240e:301:383:ea42:a0b  
fd27:a198:7ee0:2:a0b  
fd4:6322:6f1a:a0b
- Default gateway: fe80::3456ff:fe78:aa00
- DNS server: fd4:6322:6f1a::1  
240e:3b1:383:ea42::1
- LAN side prefix: fd08:9ddaa:8462::/48
- LAN Link-Local Address: fe80::22aa:ccff:fe0d:eebc/64
- WAN Link-Local Address: fe80::22aa:ccff:fe0d:eebc/64
- LAN Link-Global Address: fd08:9ddaa:8d62::/60

**IPv6 Setting (Right Screenshot):**

- IPv6: Enabled (dropdown menu)
- WAN Type: DHCPv6 Client (dropdown menu)
- DNS Acquisition Method: Auto (dropdown menu)
- IPv6 Lan Setting:
  - Ra Server: Server (dropdown menu)
  - DHCPv6 Server: Server (dropdown menu)
  - Prefix Setting Method: Auto (dropdown menu)

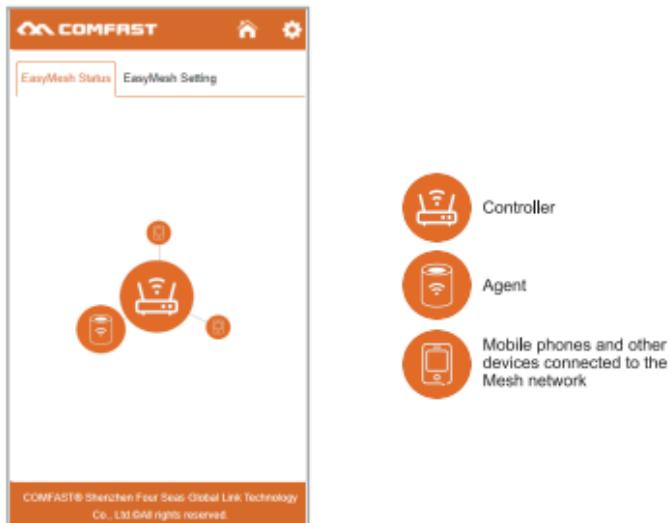
Both screenshots include a footer with the text: COMFAST® Shenzhen Four Seas Global Link Technology Co., Ltd. All rights reserved.

## 5 Mesh Setting

Precautions:

1. The Mesh controller node needs to be enabled in Router mode or AP mode. It is recommended to use it in Router mode.
2. The Mesh network consists of a management node and at least one agent node.
3. After enabling Mesh, you need to click the "Trigger EasyMesh" button on the two node pages to pair Mesh.
4. The Mesh pairing process takes about 2 minutes. After 2 minutes, go to the management node page, you can view the status of Mesh.
5. If the Mesh is not formed successfully. Try pairing again after clicking the "Restore EasyMesh to Default" button on the Mesh settings page.

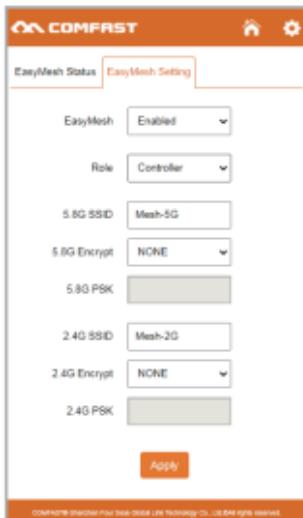
Click  and select Enter to enter the  Mesh setting page. EasyMesh status: After the Mesh is successfully formed, view the schematic diagram of the Mesh.



EasyMesh settings:

1. Select the role of Mesh.
2. If you choose the role as "Controller", you need to set the SSID and password of the Mesh.

Click "Settings" to save the configuration and enable the Mesh function.



## Mesh pairing:

After enabling Mesh, a button for Mesh pairing will appear on the page. On the pages of the two nodes, click the "Trigger easymesh" button to start building Mesh.

COMFAST

EasyMesh Status: **EasyMesh Setting**

EasyMesh: **Enabled**

Role: **Controller**

5.8G SSID: **Mesh-5G**

5.8G Encrypt: **WPA2/WPA3**

5.8G PSK: **12345678**

2.4G SSID: **Mesh-2G**

2.4G Encrypt: **WPA2/WPA3**

2.4G PSK: **12345678**

**Restore easymesh to default**

**Trigger easymesh**

**Apply**

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EasyMesh Status: **EasyMesh Setting**

EasyMesh: **Enabled**

Role: **Agent**

**Restore easymesh to default**

**Trigger easymesh**

**Apply**

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Q: What's the role of WiFi extender?

A: Boost the range of your existing WiFi and creates stronger signal in hard-to-reach areas. Please note that it can't increase your wifi speed of your router, the speed of the extending wifi will be reduced.

Q: Where shall I place the WiFi extender?

A: We would suggest that after setting up successfully, please move this wifi extender on the halfway between your router and your weak signal area. The location that you choose must be within the range of your existing WiFi router network.

Q: How to reset the WiFi extender?

A: Press the WPS/Reset button of your extender for 10 seconds, wait to restore factory settings, when the lamp is off and then light up again, you can begin to set up it again.

Q: Why does WiFi keep disconnecting?

A: We recommend resetting the WiFi extender.

For more questions, please visit [www.szcomfast.com](http://www.szcomfast.com) official website

# Maintenance Regulations

Dear Valued Clients,

Thank you for purchasing a **COMFAST** products and service to protect your rights, please read the following maintenance regulations.

**The following does not belong to free maintenance ,our company can provide paid service ,please note:**

- Failure to require the installation manual , use ,maintenance, storage lead to product failure or damage;
- Beyond the limited warranty , the warranty period; Unauthorized alteratiion, tearing up the product bar code;
- Without authorization to change the settings file or inherent disassemble without authorization;
- Unexpected factors or human actions lead to product damage, such as improper input voltage, temperature, watermechanical damage, break, rust or serious oxidation of product ,etc;
- Other non-product itself, design ,technology,manufacturing, quality and other quality problems caused by the failure damage.



# Quick Installation Guide

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