

# **RG-EW1200R**

## **User Manual**

For better using the Ruijie device,  
read this manual before Installation and usage,  
and save the manual for future reference.



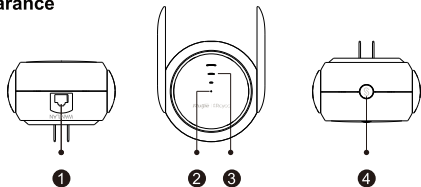
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# RG-EW1200R Mesh Repeater User Manual

To better use the Ruijie Reyee products, please read this guide before installation and save it for future reference.

## Product Appearance



- ① Ethernet Interface
- ② System Status LED

Status		Description
Green	Solid on	The device is functioning properly. / The port has made a successful link.
	Blinking	The device is starting up. / The device is restoring factory settings.
Orange	Solid on	The device fails to access the Wi-Fi network of the primary router.
	Blinking	The device is accessing the Wi-Fi network of the primary router.
Red	Solid on	The network is unreachable.

### ③ Signal Status LED

Status		Description
Blinking alternately		The device is accessing the Wi-Fi network of the primary router.
White	Three bars on	The signal strength is high.
	Two bars on	The signal strength is medium.
	One bar on	The signal strength is low
Off		1. The device is set to the router mode. 2. The device fails to access the Wi-Fi network of the primary router.

### ④ Mesh/WPS Button

Action	Description
Long press for more than 5s	The device restores factory settings.
Short press for less than 2s	Three functions are triggered at the same time: 1. Turn on or off the signal status LED. 2. Perform mesh networking as the Reyee primary device. 3. Establish a WPS network with other routers.

## Package Contents

Mesh Repeater \*1 User Manual \*1 Warranty Card \*1

## Installing the Mesh Repeater

### Scenario 1: Connect the Device to a Reyee Router (Reyee Mesh)

1. The device is starting up after power-on. → 2. Startup is complete. → 3. Click the Reyee Mesh button on the primary router (NOT THE REPEATER) to start mesh networking.

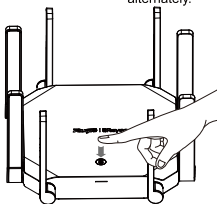
The central dot is blinking green. Please wait for 1 to 2 minutes.

The central dot is solid green.

The central dot is solid green. Three signal bars are blinking alternately.



Power supply faceplate



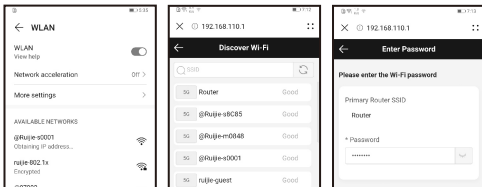
Reyee primary router

Operating Status	LED Status	Description
Factory status	The system status LED ② is solid green. The signal status LED ③ is off.	If the device is still in the factory status after the configuration of the mesh repeater is complete, it indicates that the device is not properly installed. Please place the mesh repeater closer to the primary router and try again as instructed in the diagram.
The device accesses the network successfully.	The system status LED ② is solid green. The signal status LED ③ is solid white. The more signal bars in solid white indicates the stronger signal.	The network is reachable. The mesh repeater and the primary router broadcast the same Wi-Fi signal.
The device fails to connect to the primary router.	The system status LED ② is solid orange.	Please place the mesh repeater closer to the primary router.
The device connects to the primary router while the network is unreachable.	The system status LED ② is solid red.	Please check whether the primary router accesses the Internet.

Note: You can short press the Reyee Mesh button ① to turn off the LED.

## Scenario 2: Connect the Device to Other Router

1. The device is starting up after power-on.  
The central dot is blinking green. Please wait for 1 to 2 minutes.
2. Startup is complete.  
The central dot is solid green.
3. Connect to the SSID @Ruijie-sXXXX broadcast by the mesh repeater and perform configuration. Please visit 10.44.77.254 by browser if the configuration page does not pop up.



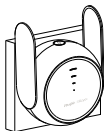
Operating Status	LED Status	Description
Factory status	The system status LED ② is solid green. The signal status LED ③ is off.	If the device is still in the factory status after the configuration of the mesh repeater is complete, it indicates that the device is not properly installed. Please move the mesh repeater closer to the primary router. Connect to the SSID @Ruijie-sXXXX and try again.
The device accesses the network successfully.	The system status LED ② is solid green. The signal status LED ③ is solid white. The more signal bars in solid white indicates the stronger signal.	The network is reachable. The mesh repeater and the primary router broadcast the same Wi-Fi signal by default. You can also set different Wi-Fis for the mesh repeater and the primary router.
The device fails to connect to the primary router.	The system status LED ② is solid orange.	Please place the mesh repeater closer to the primary router.
The device connects to the primary router while the network is unreachable.	The system status LED ② is solid red.	Please check whether the primary router accesses the Internet.

### Note:

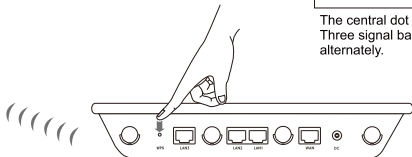
1. You can download the Reyee Router App to get more management functions of the repeater, such as turning off the signal status LED and modifying the Wi-Fi name and password.
2. If only one signal bar is on, place the mesh repeater closer to the primary router.
3. You can create a wired network with an Ethernet cable over the 100 Mbps Ethernet port.
4. The connected mesh repeater can access the Wi-Fi network automatically upon the next power-on.
5. You can short press the Reyee Mesh button ④ to turn off the LED.

### Scenario 3: Connect the Device to a Primary Router (WPS)

- The device is starting up after power-on.  
The central dot is blinking green. Please wait for 1 to 2 minutes.
- Startup is complete.  
The central dot is solid green.
- Press the WPS button on the primary router.
- Press the WPS button on the mesh repeater in 2 minutes.



Power supply faceplate



Primary router

The central dot is solid green. Three signal bars are blinking alternately.

#### Place the mesh repeater close to the primary router.

Operating Status	LED Status	Description
Factory status	The system status LED ② is solid green. The signal status LED ③ is off.	If the device is still in the factory status after the configuration of the mesh repeater is complete, it indicates that the device is not properly installed. Please place the mesh repeater closer to the primary router and try again as instructed in the figure.
The device accesses the network successfully.	The system status LED ② is solid green. The signal status LED ③ is solid white. The more signal bars in solid white indicates the stronger signal.	The network is reachable. The mesh repeater and the primary router broadcast the same Wi-Fi signal.
The device fails to connect to the primary router.	The system status LED ② is solid orange.	Please place the mesh repeater closer to the primary router.
The device connects to the primary router while the network is unreachable.	The system status LED ② is solid red.	Please check whether the primary router accesses the Internet.

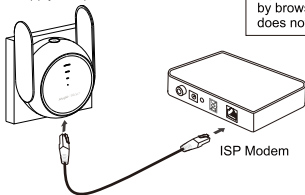
#### Note:

- If the primary router is a dual-band device, the mesh repeater preferentially amplifies the 5G Wi-Fi signal.
- The device already in the WPS networking status will not be paired again if you press the WPS button.
- You can short press the Reyee Mesh button ④ to turn off the LED.

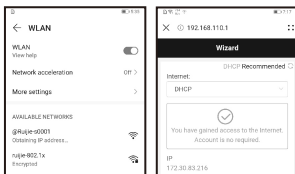
## Scenario 4: Connect the Device to the Modem Directly

1. The device is starting up after power-on.  
The central dot is blinking green. Please wait for 1 to 2 minutes.
2. Startup is complete.  
The central dot is solid green.
3. Connect to the modem with an Ethernet cable.  
The central dot is solid green.

Power supply faceplate



4. Connect to the SSID @Ruijie-sXXXX broadcast by the mesh repeater and perform configuration. Please visit 10.44.77.254 by browser to perform configuration if the configuration page does not pop up.



Operating Status	LED Status	Description
The device connects to the network.	The system status LED ② is solid green.	Please connect to the configured Wi-Fi.
The device fails to connect to the network.	The system status LED ② is solid red.	Please check cable connection and network status.

Note:

1. You can download the Reyeed Router App to get more management functions of the mesh repeater, such as turning off the signal status LED and modifying the Wi-Fi name and password.
2. The Ethernet interface of the mesh repeater is a 100 Mbps interface.

### Router Management

1. App management: You are advised to perform router management on the Reyeed Router App.
2. Webpage management: Visit 10.44.77.254 by browser to perform router management.

### Troubleshooting

#### 1. Poor signal strength

If only one signal bar is on after the mesh repeater is installed, you are advised to place the mesh repeater much closer to the primary router.

Remark: Please do not install the mesh repeater where the signal strength is the lowest. Instead, place the mesh repeater between the primary router and the location with the poorest signal strength level.

#### 2. Factory setting restoration

Press the Reyeed Mesh button for more than 5 seconds. If the LED is blinking, the device is restoring factory settings. Please wait for 1 to 2 minutes. If The LED is solid on, the device has restored factory settings.

Perform the installation and configuration again after the device restores factory settings. The default SSID is @Ruijie-sXXXX.

#### 3. Password loss

You are advised to enter the Wi-Fi password. If the password is still incorrect, please restore the device to factory settings (Press the Reyeed Mesh button ④ for 5 seconds).