

Quick Installation Guide

AC1200 Dual Band WiFi Repeater

Model: RSD0608

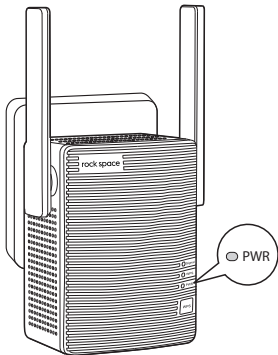
Power LED	Solid on	The repeater has started.
	Blinking	The repeater is starting.
	Off	The repeater is not powered on.
WPS LED	On	A WPS connection has been established.
	Blinking	A WPS connection is being established.
	Off	The WPS function is disabled.
Signal LED	Solid blue	The repeater has connected to your existing WiFi router/modem, and its position is proper.
	Solid red	The repeater is too far away from the router. Relocate the repeater closer to the router.
	Off	The repeater does not connect to your WiFi router.

Button	Description
 RST	Use the end of a paper clip or a similar object to press and hold this button for about 8 seconds with power on, and then release it to restore the extender to factory settings.

Method 1: Extending Your WiFi Network Using Web UI

1 Power on the Repeater

Plug the repeater into a power outlet near the router in the same room.



Wait until the PWR LED turns solid blue.

2 Extend Your WiFi Network

1. Connect your WiFi device to the repeater's WiFi network **rockspace_EXT**.

 WLAN

☐

rockspace_EXT



Ensure that the Mobile Data (if any) is disabled.

2. Start a web browser, enter **http://re.rockspace.local** or **192.168.0.254** in the address bar to log in. Create a login password for later attempts (recommend).

http://re.rockspace.local



Password (5-32 characters)

Confirm

Next

Not Now

3. Select a WiFi network (SSID) you want to extend.

Select a WiFi network you want to extend...

My_home_wifi



Rescan

Switch Mode

4. Enter the password of the WiFi network you want to extend.

Your existing WiFi network

Enter the password of "My_home_wifi"



The extended WiFi network

SSID

My_home_wifi_5GEXT

Password of the extended network is same as your existing WiFi network.

Back

Extend

Wait a moment, the **Extended successfully!** page appears.

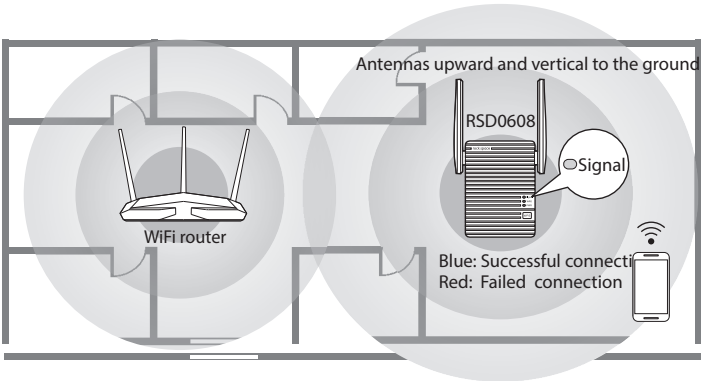
3 Relocate the Repeater

1. For better performance, plug the repeater into an outlet halfway between the router and the WiFi dead zone.

The location you choose must be within the range of your existing WiFi network.

2. Wait until the Signal LED turns blue. If not, relocate the repeater closer to the router.

3. Connect your WiFi devices to the repeater using the SSIDs set by yourself, or your router's SSID with a suffix **_EXT/5GEXT**, and using the WiFi password same as your WiFi router.

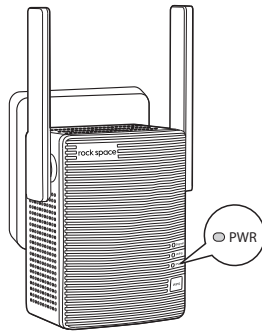


Method 2: Extending Your WiFi Network Using WPS

You can use Method 2 if your router has a WPS button (possible icons of a WPS button: , , or ). Otherwise, use Method 1.

1 Power on the Repeater

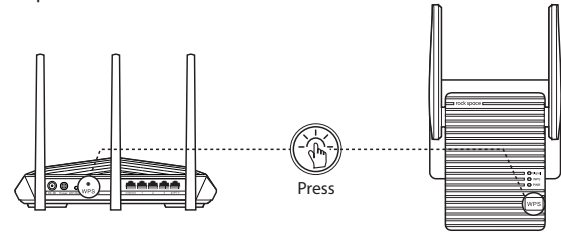
Plug the repeater into a power outlet near the router in the same room.



Wait until the PWR LED turns solid blue.

2 Extend Your WiFi Network

1. Press the WPS button on the router and within 2 minutes press the WPS button on the repeater.



2. Wait until the Signal LED on the repeater turns solid blue. If the Signal LED does not turn solid blue, try Method 1.

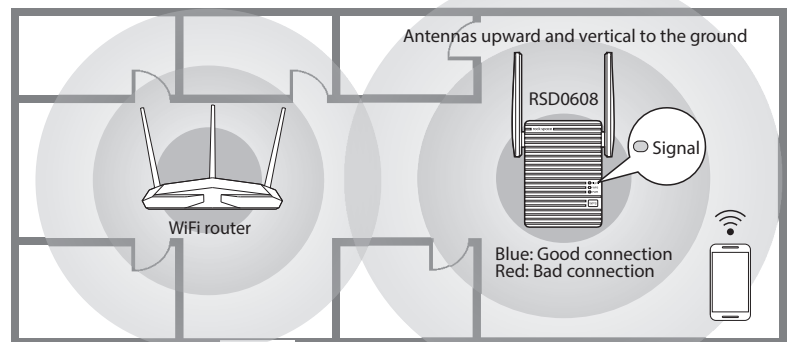
3 Relocate the Repeater

1. For better performance, plug the repeater into an outlet halfway between the router and the WiFi dead zone.

The location you choose must be within the range of your existing WiFi network.

2. Wait until the Signal LED turns blue. If not, relocate the repeater closer to the router.

3. Connect your WiFi devices to the repeater.
The repeater's SSIDs are your WiFi router's SSID with a suffix **_EXT/5GEXT**. The WiFi password of the repeater is same as your WiFi router.



FAQ

Q1: I cannot login to the web UI of the repeater. What should I do?

A1: Try the following solutions:

- If a WiFi device is used, ensure that your WiFi device has connected to the repeater's WiFi network **rockspace_EXT**, and the **Mobile Data** (if any) function is disabled.
- If a computer is used, ensure that your computer has connected to the repeater's WiFi network **rockspace_EXT**, and your computer has set to **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Or unplug the Ethernet cable.
- Reset the repeater, and try again.

Q2: How to reset the repeater?

A2: When the PWR LED of the repeater is solid on, press the RESET button on the repeater with power on using a paper clip, and release. After the PWR LED turns solid on, the repeater is restored to the factory settings.

Q3: Why is it useless to press the RST button?

A3: Please confirm long press the RST button for 8 seconds with power on.

Q4: The repeater cannot find the WiFi network of my router/modem. What should I do?

A4: The router may be encrypted with **WEP** or **WPA/WPA (Enterprise)** algorithm. Change the encryption type of the router to **WPA-PSK** or **WPA2-PSK**, and try scanning again.

Q5: Unable to login repeater interface

A5: Confirm the situation is before or after the expansion.

a. Before the extension:

- Please confirm you have connected to the correct signal of the repeater. (The name of its wireless signal is attached to the product sticker)
- Confirm the domain name (re.rockspace.local), or IP access (192.168.0.254) that entered in the address bar is correct.
- If you are unable to login, please close the browser (but not just return) and open a new page to try again. If still failed, please wipe all the browser cache or reboot your mobile device.
- If all the solutions above are not working, we recommend that you can restore factory settings or recharging the plug in the socket, then try to connect and login again.

b. After the extension:

There are two ways to deal with this problem:

Method 1:

- 1. First, make sure that you have connected to the correct signal of the repeater. If the SSID of the repeater is the same as the superior signal (the router signal), you have to confirm you connected to the signal of the repeater.
- After connecting to the repeater wireless signal, please confirm the IP of the repeater signal is assigned by superior router.
- Then login by this domain name: re.rockspace.local.
- If failed, please cut off the power supply and re-connect the power supply. Then you login by the domain name after the repeater extended automatically.
- If the last step above doesn't work, please change to a laptop or a mobile phone to login.

Method 2:

- First, make sure you have connected to the WiFi signal(no matter the router's or extender's) , and then login the interface of the router;
- Open the Client List of the router interface to view connected devices. After finding the mac address (that is attached to the product stick)of the repeater, you can get the IP address of extender that assigned by router.
- Open a browser, enter the IP address in the address bar, and then you can enter the interface.

Q6: I can find someone else 's wifi signal, but I can't find mine?

- A6: • You need to check the signal strength that your mobile advice can get in the same place.(Maybe the signal in this place is poor)
- You should check if the encryption of the superior router is WEP. Only no encryption, WPA, WPA2 and mixed mode can be supporter by this repeater.
 - Whether the superior signal is hidden; (You can check this by your mobile advice)

Q7: Always prompt for failure when extending.

- A7: • 1. Check the indicator is blue/red/not bright(if the indicator not bright, it means a failed matching).
- If you can't find the superior signal when extending, please try the following solutions:
 - ① Set the SSID of the router and repeater to numbers and letters combination;
 - ② Move the repeater closer to the router;
 - ③ Confirm the encryption mode of the superior signal is not WEP.(Only no encryption, WPA-PSK, WPA2-PSK or their mixed mode can be supported by our repeater)
 - ④ Confirm the superior signal is not turned off or hidden.
 - ⑤ Login the interface of the router to check if restrictions are made, such as MAC filter, Blacklist.
 - ⑥ Confirm the password of your superior router you entered is correct.(The password entered in the extension process is the password for the superior router)
 - ⑦ Modify the signal name and password for the superior router, and reset the repeater.
 - ⑧ If none of the above causes, please note your superior router model, repeater serial number and use information. Then feedback to this e-mail: techsupport@rockspace.cc

Q8: The indicator shows red or no light (weak signal or filed connecting)?

- A8: • How to confirm a successful extension?
- ① You can search the signal to see if there is a repeater factory SSID(If the SSID of the signal is still the factory setting, then it means a failed extension.)
 - ② Observe the exact color and status of the indicator by darkening the surrounding.
 - ③ Login the interface of the repeater to see if the extended state is expanded.
- If you are sure that the extension is successful, you can keep the antenna upward and parallel with the antenna of the router; If not, please replace its angle.
3. You can put the repeater and router closer, and observe if the indicator gets solid blue.

Q9: No internet access after extension?

- A9: • Confirm whether the extension is successful. (Judge by indicator and management interface)
- Disconnecting the device without internet access, and connect again to see if it is available.
 - To see if the superior signal strength is too low by repeater interface.(We recommend the repeater should be placed somewhere between 40%-50% of the signal strength.)
 - When the signal of the repeater is connected, see if its SSID is assigned by router.
 - Reset the repeater and try others WIFI signal.

Q10: The extended signal is poor?

- A10: • Don't put the repeater too close to the router.
- Place the repeater in the middle of the router and the farthest place you want to extend.

- If you want to extend the signal in horizontal direction, the repeater antenna is positioned upward, and parallel to the router. If it is for duplex house, both the antennas of the repeater and router should be tilted and remain parallel.

Q11: Unable to connect the repeater signal after a while of a successful extension?

- A11: • Check on the interface for restrictions and blacklist.
- Clear cache of the extended signal, then reconnect.
 - Reset the repeater and set up again.

Q12: The network is not available after extension.

- A12: • Check if the indicator turns no light;
- If the indicator is red, but no network. To see if the superior signal strength is too low by repeater interface.(We recommend the repeater should be placed somewhere between 40%-50% of the signal strength.)
 - Check if the IP that connected to the devices is assigned by router.

Q13: Sometimes repeater and mobile device will lose their connection after extension?

- A13: a. When the indicator turns no light, it mean the repeater and router are disconnected.
- Please verify if any changes have been made.
 - Enter the router interface to view the history, and check the status of the superior router.
 - If the router is fine, judging the strength of the signal by indicator's color. You can adjust the location and direction of the repeater.
- b. When the indicator is solid blue
- Please check if the SSID of the repeater contains special characters or Chinese,we command you can set the SSID to alphanumeric combination.

Q14: The network is slow after extension.

- A14: • View the color of the indicator:
- ① Solid blue: The signal strength received by repeater is above -60db.
 - ② Solid red: The signal strength received by repeater is above -61db~-74db. (The signal is a little bit week. It is recommend to move the repeater a little closer, and the repeater antenna is parallel to the router.)
 - ③ No light: The signal strength received by repeater is below -74db. (The signal is week. It is recommend to move the repeater closer, and the repeater antenna is parallel to the router.)
- Under general situation, when the signal strength that received by repeater is between 40% and 79% (While the interface shows a signal with 2 bars), the repeater works best at this time.
- Check the network speed when your device connect the router directly at that position.
- a. When the network speed between the router and repeater is the same, it means the connection is fine.(You can check the router.)
- b. When the network speed is faster than that at repeater, please check the following problems:
- ① Check the placement of the repeater, avoid putting it in the corner;
 - ② Check if the antenna of the repeater and router is paralleled, a paralleled antenna will be better for the connection.
 - ③ If the above situation is excluded, please reset the repeater, and try to connect the repeater to the router again.
 - ④ Reset the repeater.

Q15: After extension, it has a strong signal but low speed.

- A15: • Check the color of the indicator:
- ① Solid blue indicates a strong signal;
 - ② Solid red indicates a little week signal;
- It is recommend to put the repeater in the place where the superior is between 40% and 50%, and please keep the antenna upward.

Q16: Prompt a single frequency extended state after successful expansion:

- A16: • To see if the signal is a hided signal, whether the encryption method is WPA or WPA2 or mixed encryption, whether with special symbols, or modify the signal channel, then attempting to re-enter the Extender interface to try to expand;
- Whether the password of the signal extended unsuccessfully consistent with the extended signal, in this case need to go into the Extender interface to expand it.



FCC Statement

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 device is restricted to be used in the indoor.

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.

Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

IC RSS warning

Industry Canada(RSS-Gen Issue 4)

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps. The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance. Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.



CE Mark Warning

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures. Operations in the 5.15-5.25GHz band are restricted to indoor use only. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

Declaration of Conformity Hereby, SHENZHEN TENDA TECHNOLOGY CO. LTD. declares that the radio equipment type A18 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.tendacn.com/en/service/download-cata-101.html>.

Operate Frequency:	
2.4G: EU/2400-2483.5MHz (CH1-CH13)	EIRP Power (Max.):
5G: EU/5150-5250MHz (CH36-CH48)	2.4GHz: 19.5dBm
Software Version: V15.13.07.06	5GHz: 20.5dBm



Please go to this website to download specific using instructions
<http://rockspace.hk/en/news-details.aspx?id=12>

Contact

Shenzhen Renqing Excellent Technology Co., Ltd.
Address: 104, No.15, Longfu Industrial Zone, Huarong Road, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, China
Email: techsupporteu@rockspace.cc