rock space

Quick Start Guide

AC2100 Dual Band WiFi Repeater
Model: RSD0617

Button	Description
RST	To restore the WiFi range extender to the original factory settings: Plug the extender into a power outlet (the reset pinhole is on the bottom of the extender), using a paperclip, press and hold the reset pinhole for 8 seconds, and then let go. The AC2100 WiFi range extender will then reboot and be at factory default settings.

Technical Support:
Phone: 1-833-816-6558 (EST: 9:00-17:00 / PDT: 06:00-14:00 Monday to Friday)
Email: techsupport@rockspace.cc
www.rockspace.hk

LED Descriptions

Power LED	Solid on	The extender is powered on.
	Blinking	The extender is booting.
	Off	The extender is powered off.
WPS LED	On	WiFi security is enabled (WPA or WPA2).
	Blinking	A WPS connection is in progress.
	Off	WiFi security is not enabled.
Signal LED This LED indicates the connection between the extender and the router.	Solid blue	Best connection
	Solid red	Poor connection.
	Off	No connection.

Method 1: Connect to an Existing WiFi Network with Web Browser Setup

❶ Place the Extender and Apply Power

Place your extender in the same room as your WiFi router. Plug the extender into an electrical outlet.

Wait for the Power LED to light blue.

❷ Extend Your WiFi Network

1. Use a WiFi network manager on your client device, such as a computer or WiFi device, to find and connect to the "**rockspace_EXT**" (SSID) WiFi network.

Ensure that the Mobile Data is disabled.

2. After the connection with your client device is established, the setup page will automatically pop up. If the setup page doesn't pop up automatically, you will need to launch web browser and enter http://re.rockspace.local or 192.168.0.254 to get started. In the Password field, type the password that you wish to use to log into the management interface.
Note: The password you entered in this step is NOT the password for your extended network, it is the password for the extender's management interface.

http://re.rockspace.local

Password (5-32 characters)

Confirm

Next   Not Now

❸ Select a WiFi network to extend.

Select a WiFi network you want to extend...
My_home_wifi

Rescan   Switch Mode

4. In the password field, type the password for the existing WiFi network you previously selected.

Your existing WiFi network
Enter the password of "My_home_wifi"

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

Back   Extend

The SSID of the extended network can be modified, otherwise it will remain the same as that of the existing network you chose to extend. Wait for the page to display a list of WiFi networks, connect your client device to the new extender WiFi network.

Note: The password for the extended network you entered in step 4 should be the same as the password for your existing WiFi network.

❸ Relocate the WiFi Range Extender

1. Unplug the extender and move it to a new location about halfway between your router and the area with a poor WiFi signal.

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

2. Plug the extender into an electrical outlet and wait for the Signal LED to light blue. If not, plug the extender into an outlet closer to the router and try again.

3. Use a WiFi network manager on your client device, such as a computer or WiFi device, to find and connect to the extended WiFi network you've set up in the previous step.
Note: The password for the extended network is the same as the password for your existing WiFi network.

Antennas upward and vertical to the ground
WiFi router
RSD0617
Signal
Blue: successfully connected
Red: connection failed

Method 2: Connect to an Existing WiFi Network with WPS

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

❶ Place the Extender and Apply Power

Place your extender in the same room as your WiFi router. Plug the extender into an electrical outlet.

Wait for the Power LED to light blue.

❷ Extend Your WiFi Network

1. Press the WPS button on your router. Within two minutes, press the WPS button on the extender.

Press

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

❸ Relocate the WiFi Range Extender

1. Unplug the extender and move it to a new location about halfway between your router and the area with a poor WiFi signal.
The location that you choose must be within the range of your existing WiFi router network.

2. Plug the extender into an electrical outlet and wait for the Signal LED to light blue. If not, plug the extender into an outlet closer to the router and try again.

3. Use a WiFi network manager on your client device, such as a computer or WiFi device, to find and connect to the extended WiFi network you've set up in the previous step.
Note: the password for the extended network is the same as the password for your existing WiFi network.

Antennas upward and vertical to the ground
WiFi router
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Signal
Blue: successfully connected
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Connect an Ethernet-Enabled Device

After the extender is connected to your existing WiFi network, you can connect a wired device to the extender using an Ethernet cable. The device can then access your existing network through the extender's WiFi connection.

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 after extension.
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 website address (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 or reopen the web browser reboot your mobile device.
- If all the solutions above are not working, we recommend that you can restore factory settings or recharging the plugged in socket, then try to connect and login again.
b. After the extension:
There are two ways to deal with this problem:
Method 1:
- First, make sure that you have connected to the correct signal of the repeater. Network Name (SSID) 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 extender get connnection with correct router. repeater signal is assigned by superior router.
- Then login with this website address http://re.rockspace.local.
- If failed, please cut off the the extender power supply and re-connect the power supply after the extender has been successfully extended the signal, the website window will automatically pop up on the screen.
- 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 use the created password in the first time to log in to the extender website. 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: •
- 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 all these situations are excluded, please send your feedback to this email: techsupport@rockspace.cc,the information includes the superior model, extender serial number, and other information.

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

A8:
- How to confirm a successful extension?
  ① you can check the Network Name (SSID) , if is still factory setting name ("rockspace_EXT"), then it means a failed signal extension
  ② Log in to the extender website to check the extender state is extended signal or not.
- 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.
- 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.
- Check the router signal strength, if the router signal strength is too low, the extender has hardly extended the signal and doesn't have internet access.(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: Sometimes repeater and mobile device will lose their connection after extension?

A12:
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.

Q13: The network is not available after extension.

A13:
- Check the indicator light color, if the signal indicator light is red, it means no signal is received from router.
- If the indicator is red, but no network. Check the router signal strength, if the router signal strength is too low, the extender has hardly extended the signal and doesn't have internet access. low by repeater interface.(We recommend the repeater should be placed somewhere between 40%-50% of the signal strength.)
- Check the extender signal is connected to the correct router.

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.

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

成品尺寸：218*253mm   70g书纸+正反面印刷+单黑