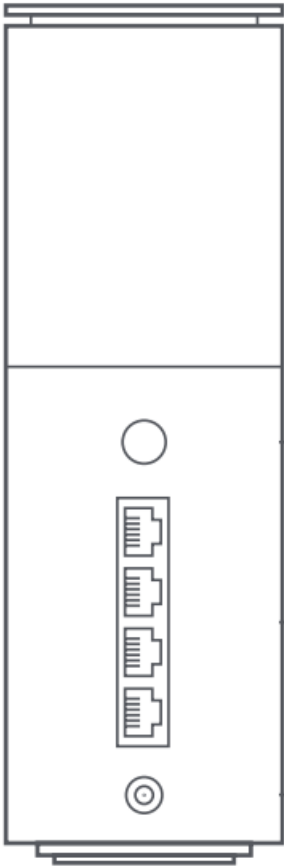


xiaomi RN09 Mesh System User Manual

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xiaomi RN09 Mesh System



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Product Overview

Read this manual carefully before use, and retain it for future reference.

1. NFC area

Simply touch the NFC area of your phone to the top of the router to quickly connect to Wi-Fi. To use this feature, enable the NFC function on your Android phone, and keep your phone unlocked.

2. Mesh/Reset button

Press the button to have Mesh networking with routers that support the Xiaomi Mesh function.

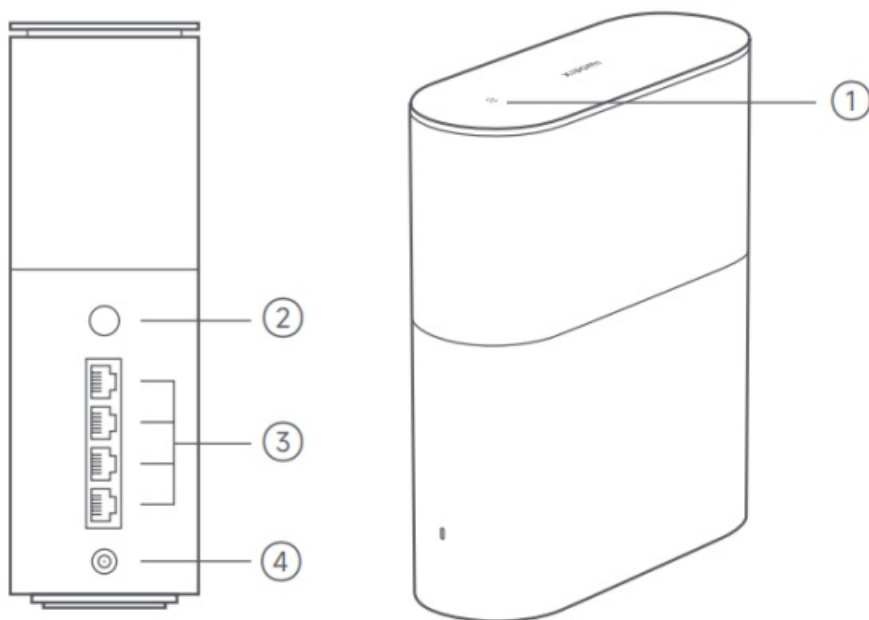
Press and hold the button for 5 seconds to restore the router to its factory settings.

3. Network port

4 WAN/LAN auto-sensing ports (1 × 2.5 Gbps + 3 × 1 Gbps).

4. Power port

Connect the power adapter to the router



Note: Illustrations of product, accessories, and user interface in the user manual are for reference purposes only. Actual product and functions may vary due to product enhancements.

Indicator Status	Description
Off	The router is off or unplugged.
Orange	The system is starting up or a network connection error occurred.
Blinking orange	The new added satellite router is connecting to the Mesh networking or the system is updating.
Breathing orange	The router is started and the system is ready for configuration.
Blue	The router is working properly.
Breathing blue	A new satellite router is discovered. The indicator will automatically turn blue if there is no operation for Mesh networking within 2 minutes.
Blinking blue	The satellite router is connecting to the main router.

Network Configuration

Preparation before the Configuration

1. Connect the router to power, then the router will automatically turn on.

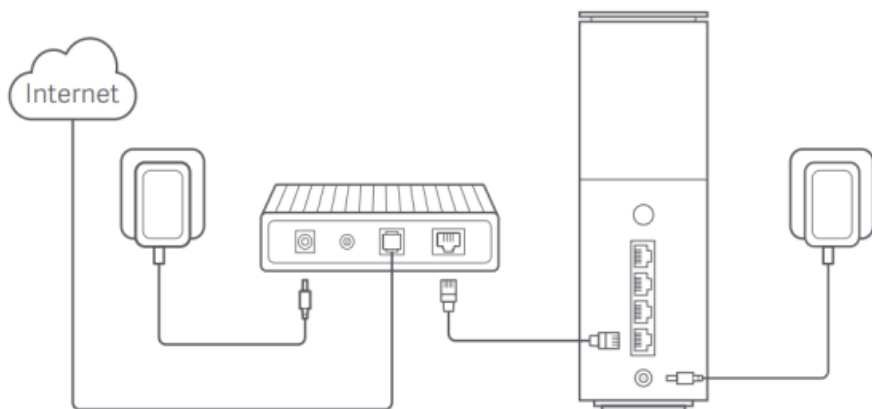
Note: For the product of 2-pack or 3-pack version, connect any of the routers as the main router to power. Then the router will automatically turn on.

2. Restart your modem.

Note: The modem is provided by your Internet service provider.

3. Plug one end of the network cable into either of the router's port, and the other end into the LAN port of the modem.

Note: If you use the Ethernet wall socket instead of the modem, directly plug the network cable into it.



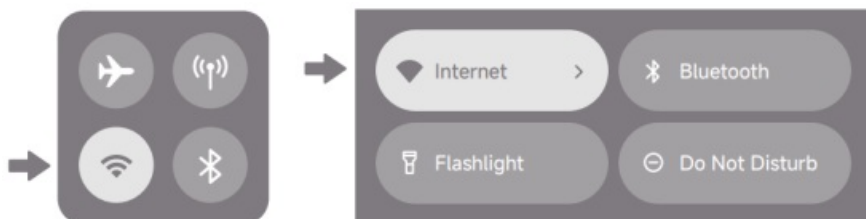
Method 1 Network Configuration via Xiaomi Home App

1. Scan QR code to download Xiaomi Home app. Or search for "Xiaomi Home" in the app store to download and install it.

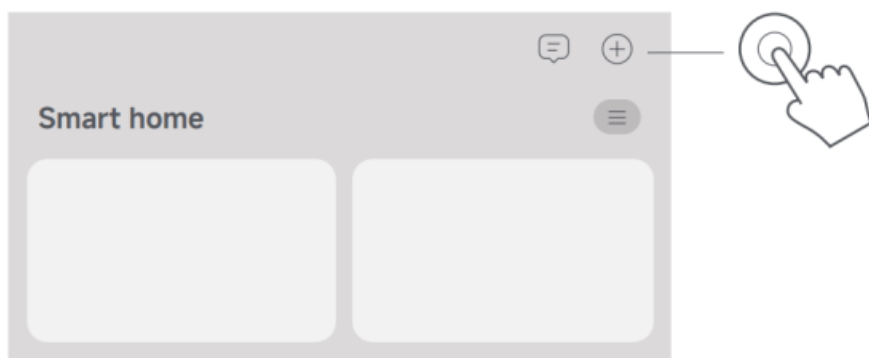


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2. Swipe down from the top of the screen to access the Control Center (iOS) or Quick Settings (Android), and turn on Wi-Fi.



3. Open Xiaomi Home app, tap “+” on the upper right, choose the right product model, and then follow the instructions to complete the network configuration.



Notes:

- The version of the app might have been updated, please follow the instructions based on the current app version.
- For the product of 2-pack or 3-pack version, the routers in the box have been pre-paired when leaving the factory. When the network configuration of one router is completed, just power on the rest of routers and they will Mesh networking automatically.

Method 2 Network Configuration via Web Browser

1. Check the Wi-Fi name on the label at the bottom of the router and then connect your phone or computer to the Wi-Fi.

Wi-Fi Name: minet_rn09_xxxx

SN: XXXXX/XXXXXXXXXX



2. Then an automatic redirection will take you to the network setup page.
If not, open the web browser and enter miwifi.com or 192.168.31.1.

Note: When using the HTTPS protocol, a warning message may be promoted on the webpage. However, the connection between the browser and the Xiaomi router's settings page (miwifi.com) is safe.

3. Follow the instructions on the setup page to complete the network configuration.

Note: Contact your Internet service provider to get the details if you are not familiar with the Internet connection type.

4. After the configuration of the router is completed, the Wi-Fi module will restart. Try to search the Wi-Fi again later.

Notes:

- For the product of 2-pack or 3-pack version, the routers in the box have been pre-paired when leaving the factory. When the network configuration of one router is completed, just power on the rest of routers and they will Mesh networking automatically.
- After completing the network configuration, you can also add the router via the Xiaomi Home app. Refer to the QR code in the Method 1 to download and install the Xiaomi Home app. Make sure that the settings of country or region in Xiaomi Home app is not Chinese mainland; otherwise, adding the router will be failed.

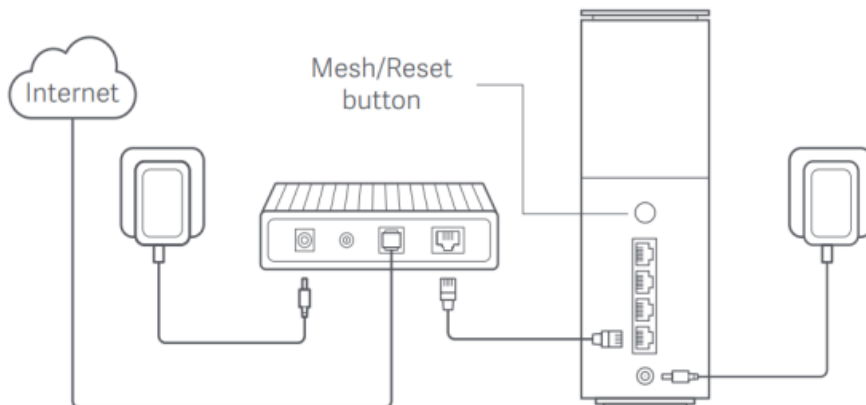
Xiaomi Mesh Networking

Xiaomi Mesh networking technology supports Mesh networking of up to 10 routers to achieve broader network coverage. Follow the steps below to configure the Mesh networking.

1. Make sure the main router is connected to the network. Connect the satellite router to power and place it near but at least one meter away from the main router. Otherwise, they will interfere with each other and affect the networking.
2. After the satellite router powers on, the main router will automatically discover it, and the indicator of the main router will start breathing blue.

Note: If the satellite router is already configured, press its reset button to restore it to the factory settings first.

3. Press the mesh button on the main router, and the indicators of the main router and satellite router will start blinking. It will take about 2 minutes to complete the Mesh networking.
4. When the Mesh networking is completed, the indicator of the satellite router turns into blue.



Troubleshooting

Issue	Possible Cause and Solution
I cannot access the internet.	<ul style="list-style-type: none"> • Make sure the network cable is plugged into the Ethernet port of the modem. If your modem has multiple Ethernet ports, leave the others unplugged. • Turn off your modem and wait for 5 minutes, then turn it on and have a reset. • Directly connect a computer to the modem via a network cable to check if the internet is working. If not, contact your Internet service provider. • Log in to the router's web management page, and go to the Network Settings to verify the internet IP address. If valid, set your primary DNS to 8.8.8.8, and secondary to 8.8.4.4. If invalid, make sure the hardware connections are connected properly or contact your Internet service provider.
My wireless devices cannot connect to the Wi-Fi.	<ul style="list-style-type: none"> • Ensure the Wi-Fi name and password do not contain special characters during configuration. • Make sure the Wi-Fi you selected and the password you entered are correct. • Verify if your device is blacklisted. If yes, remove it from the blacklist to allow connection. • Choose WPA2 encryption for your router to enhance compatibility. • Restart both your router and device then try again.
I forget the management password or Wi-Fi password of the router.	<ul style="list-style-type: none"> • Restore the router to factory settings, and set up a new management password or Wi-Fi password.
I cannot add the router in Xiaomi Home app.	<ul style="list-style-type: none"> • Check if your phone has connected to the Wi-Fi of the router. • Check if the selected product model is correct in Xiaomi Home app. • Make sure that the settings of country or region in Xiaomi Home app is not Chinese mainland.

I have already added the router to the app, but there is still a pop-up for adding this router.	<p>The server is changed after you alter the settings of country or region. You may:</p> <ul style="list-style-type: none"> • Ignore the request of adding the router. The router will not appear in the list of Xiaomi Home app, and the related functions within the app will not be available under the current settings unless you change back to the original settings of country or region. • Add the router. You can use the functions of the router within the app in the current settings. However, the information on the original server will be cleared, and you need to add the router again if changing back to the original settings of country or region.
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Regulatory Compliance Information

Operating Frequency

Wi-Fi	2412 MHz–2472 MHz 5150 MHz–5350 MHz 5470 MHz–5725 MHz Note: 5650–5725 MHz is not authorized in Malaysia.
Bluetooth NFC	2402 MHz–2480 MHz 13.56 MHz



Hereby, Beijing Xiaomi Electronics Co., Ltd. declares that the radio equipment type RN09 is in compliance with Directive 2014/53/EU, Directive 2011/65/EU and Directive 2009/125/EC. The full text of the EU declaration of conformity is available at the following internet address:

<http://www.mi.com/global/service/support/declaration.html>




■ All products bearing this symbol are waste electrical and electronic equipment (WEEE as in directive 2012/19/EU) which should not be mixed with unsorted household waste. Instead, you should protect human health and the environment by handing over your waste equipment to a designated collection point for the recycling of waste electrical and electronic equipment, appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. Please contact the installer or local authorities for more information about the location as well as terms and conditions of such collection points.

- **Warning:** To comply with CE RF exposure requirements, the device must be installed and operated 20 cm (8 inches) or more between the product and all person's body. Operation of this equipment in a residential environment could cause radio interference.
- The power adapter shall be installed near the equipment and easily accessible.
- Refer to the detailed product specifications on the label at the bottom of the device.

Warning:

Operation of this equipment in a residential environment could cause radio interference.

This device is restricted to indoor use only when operating in 5150–5350 MHz frequency range in following countries:

	AT	BE	BG	HR	CY	CZ	DK	EE	FI
	FR	DE	EL	HU	IE	IT	LV	LT	LU
	MT	NL	PL	PT	RO	SK	SI	ES	SE
	UK (NI)		IS	LI	NO	CH	TR		

FCC Compliance 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 complies with Part 15 of the FCC Rules.

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.

FCC 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 must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.


Operation in the band 5150-5250 MHz is only for indoor use.

Firmware update

Xiaomi routers support firmware update, please go to <https://www.mi.com/global/support/faq/details/KA-348402> for how to update.

For the relative policies of security vulnerability fixes, please follow <https://www.mi.com/global/support/faq/details/KA-348478>

Specification

Name	Xiaomi Mesh System BE3600 Pro
Model	RN09
Input	12 V  1.5 A
Wired Technology	4 WAN/LAN auto-sensing ports (1 × 2.5 Gbps + 3 × 1 Gbps)
Wireless Technology	2.4 GHz Wi-Fi (688 Mbps), 2 × 2 MIMO 5 GHz Wi-Fi (2882 Mbps), 2 × 2 MIMO Bluetooth LE 5.0 NFC
Operating Temperature	0°C to 40°C

Notes:

- The network standby power consumption is 8.4 W if all wired network ports are connected and all wireless network ports are activated.
- You can activate or deactivate the Wi-Fi network in the “Settings” of the management page (miwifi.com).

Manufacturer: Beijing Xiaomi Electronics Co., Ltd.

Address: Room 802, Floor 8, Building 5, No.15 KeChuang 10th Road, Beijing Economic and Technological Development Zone, Beijing City, China.

For further information, please go to www.mi.com

The product is in compliance with UK PSTI regulations, the full text of declaration of conformity is available at the following internet address: <https://www.mi.com/global/service/support/declaration.html>

CUSTOMER SUPPORT

EU REP.

Xiaomi Technology Netherlands B.V.
Prinses Beatrixlaan 582, 2595BM, The Hague, The Netherlands
contact@support.mi.com

UK REP.


Xiaomi Technology UK Limited
Davidson House, Forbury Square, Reading, Berkshire RG1 3EU
contact@support.mi.com



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Documents / Resources

	xiaomi RN09 Mesh System [pdf] User Manual 2AIMRRN09, RN09 Mesh System, RN09, Mesh System, System
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References

-  [Xiaomi United States | Xiaomi Official Website](#)
-  [MiWiFi –](#)
-  [Xiaomi Australia | Xiaomi Official Website](#)
-  [Xiaomi Global Home](#)
-  [-](#)
-  [-](#)
-  [Xiaomi United States | Xiaomi Official Website](#)
- [User Manual](#)

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