

## Xiaomi RD12 Router Mesh System



# Xiaomi RD12 Router Mesh System Instructions

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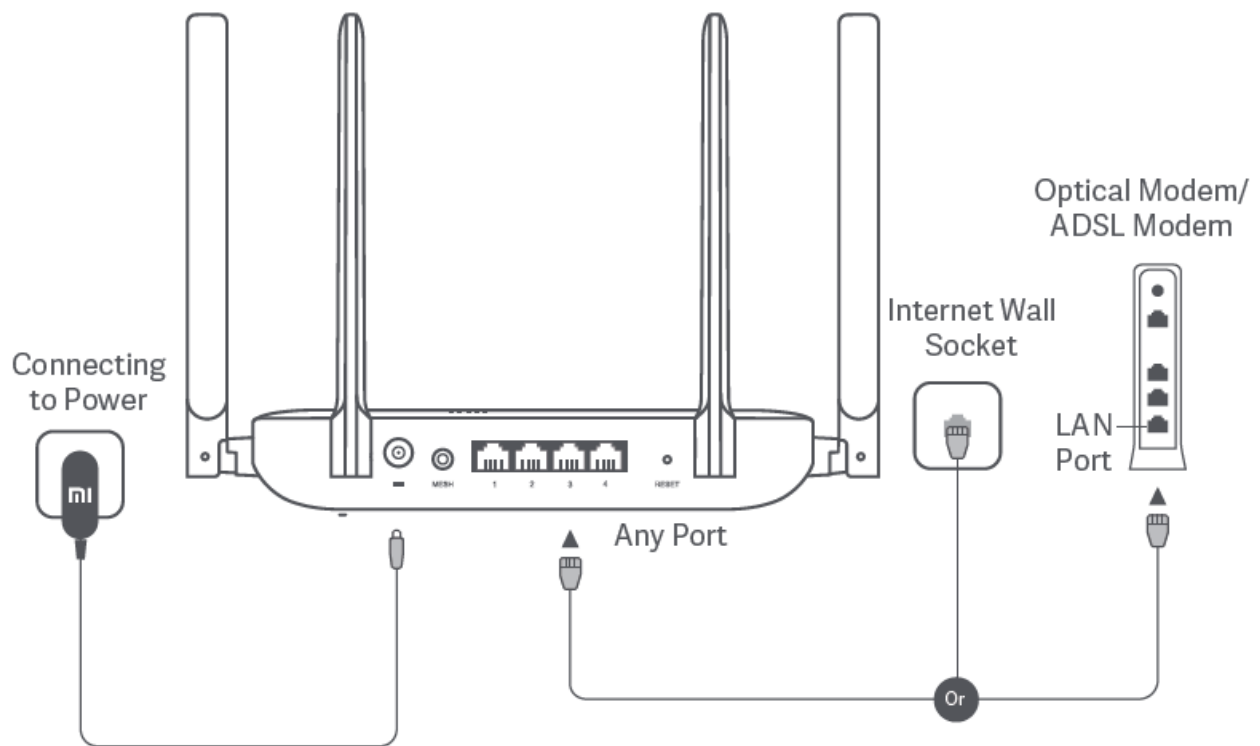
**Xiaomi RD12 Router Mesh System**



## **How to Use**

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

### **Connecting the Network Cable**



- Power on the router, and use the network cable to connect any port on the back of the router to the LAN port of the broadband modem.

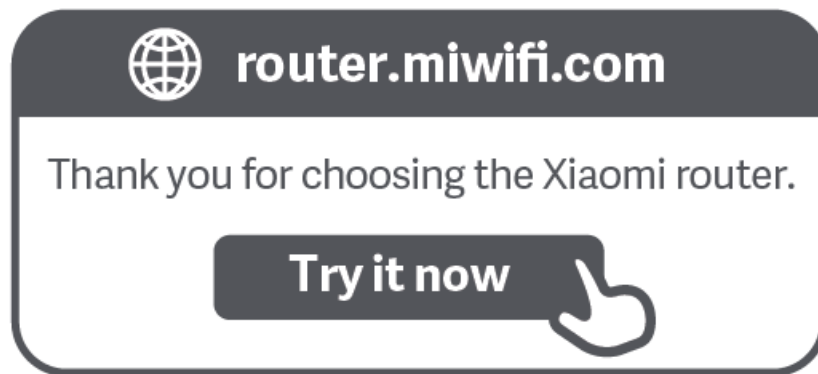
\* Broadband modem is provided by the broadband operator.

If none of these is available, you can connect the network cable to the router and the Internet wall socket, or directly connect the indoor network cable to the router's any port.

## Configuring the Network



1. When the router's system indicator turns blue, use your phone or computer to connect with the initial Wi-Fi.
  - \* See the nameplate on the bottom of the router for the initial Wi-Fi name.



2. Once the initial Wi-Fi is connected, you will be directed to the configuration page. Follow the instructions on the page to complete the configuration process. If the configuration page is not present, open the browser and go to [router.miwifi.com](http://router.miwifi.com) or 192.168.31.1 to complete the configuration.

### Connecting with the Mi Home/Xiaomi Home App

- This product works with the Mi Home/Xiaomi Home app\*.
- Control your device with Mi Home/Xiaomi Home app.



**FD17A37B**

- Scan the QR code to download and install the app.
- You will be directed to the connection setup page if the app is installed already.
- Or search for “Mi Home/Xiaomi Home” in the app store to download and install it.
- Open the Mi Home/Xiaomi Home app, tap “+” on the upper right, and then follow the instructions to add your device.
- The app is referred to as Xiaomi Home app in Europe (except for Russia). The name of the app displayed on your device should be taken as the default.

**Note:** The version of the app might have been updated, please follow the instructions based on the current app version.

### Xiaomi Mesh Networking

- To achieve network coverage as much as possible in a larger-sized home, you can purchase the routers that support the Xiaomi Mesh function to realize the networking.
- Follow the steps below to configure the network.
- Go to [www.mi.com/global](http://www.mi.com/global) to check the model and version of the routers that support the Xiaomi Mesh function.

### Method 1 (Recommended):

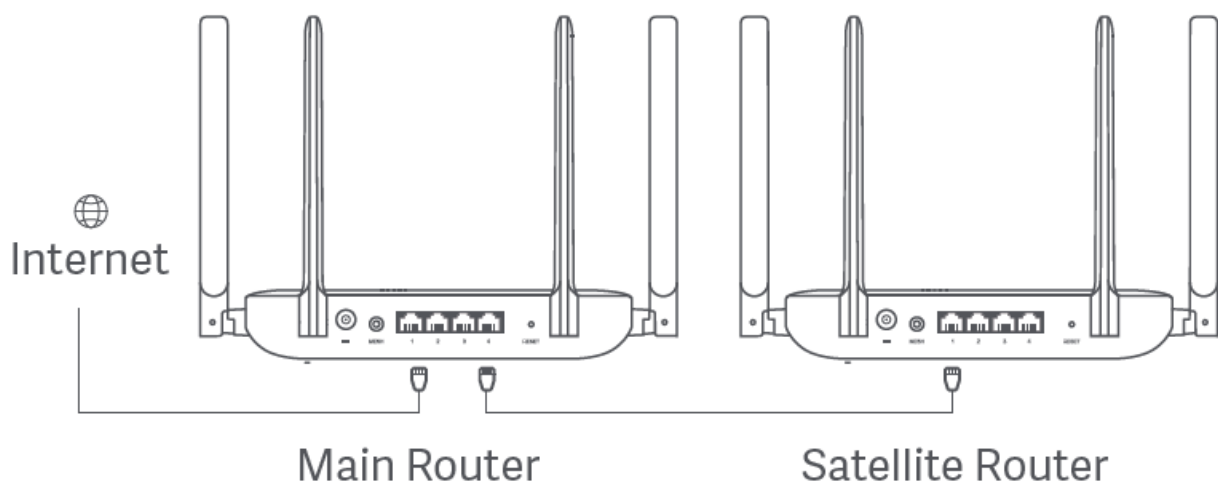


- Open the Mi Home/Xiaomi Home app, and enter the “Mesh network devices” page of the main router. Click “Add”, and then follow the instructions to complete the wireless networking.
- Illustrations of the product, accessories, and user interface in the user manual are for reference purposes only. Actual product and functions may vary due to product enhancements.

### Method 2:

1. Reset the satellite router to the factory settings, and then power it on. To avoid mutual interference, place two routers near each other but keep the distance between them greater than one meter so that the network can be configured successfully.
2. When the satellite router’s system indicator turns blue , the main router will automatically discover the satellite router, and the Internet indicator of the main router will blink slowly (one blink per second).
3. Press the Mesh button on the top of the main router, and the Internet indicator will begin to blink quickly (two blinks per second), indicating the Mesh networking starts.
4. When the Internet indicator of the satellite router turns blue, the networking is successfully completed. Then place the satellite router in the room that needs network coverage.

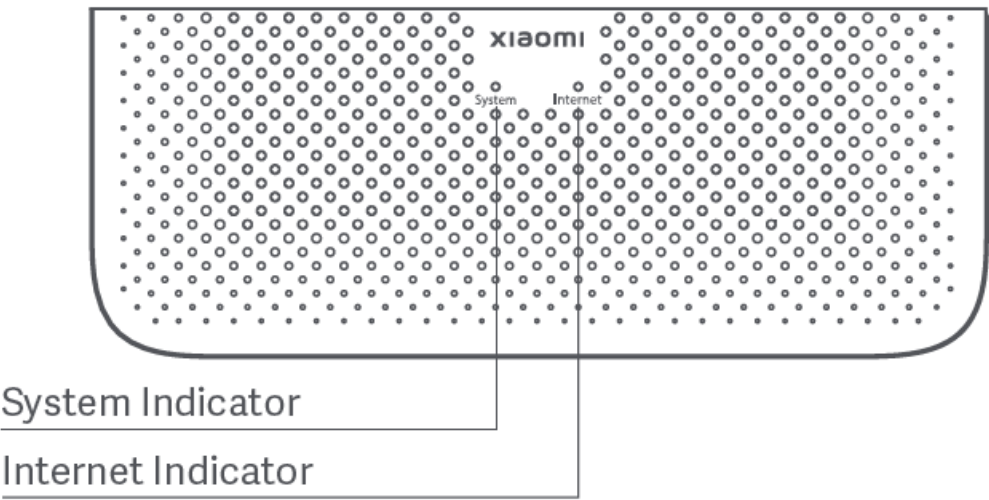
### Method 3:



1. Reset the satellite router to the factory settings, and then power it on. Wait until the satellite router’s system indicator turns blue or white (the indicator’s color depends on the specific model), and its Internet indicator turns orange.
2. Connect the network cable to the satellite router’s any port (or WAN port) and the main router’s any port (or

- LAN port), then the Internet indicator of the main router will begin to blink quickly (two blinks per second), indicating the Mesh networking starts.
3. When the Internet indicator of the satellite router turns blue, the Mesh networking via cable is successfully completed.

Indicator Status Descriptions



Internet Indicator

Off	No network cable is connected to any port.
Orange	On: The network cable is connected to one of the ports, but the upper-level network has an error.
Blue	On: On: The network cable is connected to one of the ports, and the upper-level network is working normally.
	Blink slowly (one blink per second): Available Mesh satellite routers are discovered. Blink quickly (two blinks per second): Mesh networking and pairing are ongoing.

System Indicator

Off	Not connected to power
Orange	Blinking: The system is updating.
	On (turns blue in about one minute): The system is starting up.
	On (does not turn blue for more than two minutes): The system has an error.
Blue	On: Working normally

FAQ

### 1. Why cannot I access the Internet after configuring the network?

- **Step 1:** Use your phone to search for the Wi-Fi that is configured by the router. If you cannot find the Wi-Fi, make sure the router is powered on and starts working.
- **Step 2:** Connect the phone to the router's Wi-Fi and go to [router.miwifi.com](http://router.miwifi.com). Then try to fix the problem according to the network's diagnosis.

### 2. What should I do if I forget the router's management password?

- If you do not make any change to the management password, it will be the same as the Wi-Fi password, please try to sign in with this password. If the problem still persists, it is recommended to restore the router to the factory settings and reconfigure the network.

### 3. How do I reset the router to the factory settings?

- Make sure the router is powered on and starts working.
- Press and hold the Reset button on the back of the router for more than five seconds, and release the button when the system indicator turns orange. The resetting will be complete after the router is successfully restarted.

## Certifications

### • Operating Frequency and Radio Frequency Power

- Wi-Fi 2412 MHz–2472 MHz ( $\leq 20$  dBm), 5150 MHz–5350 MHz ( $\leq 23$  dBm) 5470 MHz–5725 MHz ( $\leq 30$  dBm)

**NOTE:** 5470~5725 MHz is not supported in Russia, Egypt, Morocco

## CE

- Hereby, Beijing Xiaomi Electronics Co., Ltd. declares that the radio equipment type RD12 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 the person's body.
- 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 STATEMENT

1. **Note:** 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.
1. 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
  - 2. this device must accept any interference received, including interference that may cause undesired operation.
2. **Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
3. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Specifications

Name	Xiaomi Router AX1500
Model	RD12
Input	12V  1A
Ports	4 × 10/100/1000 Mbps WAN/LAN self-adaptive port
Wireless Technology	2.4 GHz Wi-Fi (300 Mbps) 5 GHz Wi-Fi (1201 Mbps)
Operating Temperature	0°C to 40°C


## Notes:

- The network standby power consumption is 3.7 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 ([router.miwifi.com](http://router.miwifi.com)).

## Contact

- **Manufactured by:** Beijing Xiaomi Electronics Co., Ltd.
- **Address:** Room 802, 8 Floor, Building 5, No.15, Kechuang Ten Street, Beijing Economic and Technological Development Zone, Beijing, China
- For further information, please go to [www.mi.com](http://www.mi.com)

## Documents / Resources

	<a href="#">Xiaomi RD12 Router Mesh System</a> [pdf] Instructions RD12 Router Mesh System, RD12, Router Mesh System, Mesh System, System
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## References

-  [Xiaomi United States | Xiaomi Official Website](#)
-  [Xiaomi Global | Xiaomi Official Website](#)
-  [-](#)
- [User Manual](#)

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