**Broadlink RM4 mini**

# Broadlink RM4 Mini Universal IR Remote Control Instruction Manual

Model: RM4 mini | Brand: Broadlink

## 1. Product Overview

The Broadlink RM4 Mini is a universal infrared (IR) remote control hub designed to integrate your traditional IR-controlled devices into your smart home ecosystem. It allows you to control TVs, air conditioners, set-top boxes, and other IR appliances via your smartphone or voice commands through compatible smart assistants.




*Image: The Broadlink RM4 Mini device, highlighting its compact design and universal IR remote capabilities.*

**Key Features:**

- **Universal IR Control:** Control a wide range of IR appliances.
- **Wi-Fi Connectivity:** Connects to your 2.4 GHz Wi-Fi network for remote access.
- **Voice Control:** Compatible with Alexa and Google Home.
- **App Control:** Manage devices from anywhere using the BroadLink app.
- **Scene & Routine Automation:** Create custom automation scenarios.
- **Optional Sensor Cable:** Supports external temperature and humidity sensor (sold separately).

## 2. Setup Guide

## 2.1. Initial Device Setup

Before starting, ensure your RM4 Mini is powered via the included USB cable and is within range of your 2.4 GHz Wi-Fi network (5 GHz networks are not supported).

1. **Download the BroadLink App:** Search for "BroadLink" in your smartphone's app store (iOS or Android) and install it.
2. **Power On:** Plug in your RM4 Mini. The LED indicator will light up.
3. **Check LED Status:**
    - If the LED flashes intermittently (blue, with a 1-second pause every four flashes), the device is in AP configuration mode.
    - If the LED flashes rapidly (blue, five times per second), the device is in Smart Setup mode.
4. **Reset (if necessary):** If the LED is not in the desired mode, press and hold the reset button on the back of the device for 5 seconds until the LED flashes intermittently.




*Image: A smartphone screen showing the BroadLink app icon, indicating the first step of downloading the application.*

## 2.2. Device Pairing (AP Mode)

1. In the BroadLink app, tap the "+" icon or "Add device".
2. Accept privacy terms and grant location permissions.
3. Select "Add a New Device" then "Universal Remote".
4. Choose "RM4 mini" (or RM4 Pro if applicable) and tap "Next".
5. The app will guide you to connect to the device's AP (e.g., "BroadLink_WiFi_Device") in your phone's Wi-Fi settings.
6. Once connected, return to the BroadLink app and tap "Setup completed".
7. Select your home 2.4 GHz Wi-Fi network and enter the password.
8. Wait for the device to connect. This may take up to 60 seconds.
9. Once connected, assign a room and a name to your device.



*Image: A smartphone screen showing Wi-Fi network selection and password input for device connection.*

### 2.3. Mounting the Device

The RM4 Mini comes with a mounting plate for easy installation.

1. Attach the mounting plate to the back of the RM4 Mini.
2. Secure the mounting plate to a desired surface (e.g., wall, ceiling) using screws or adhesive. Ensure the device has a clear line of sight to the IR appliances you wish to control.

*Image: A hand attaching the mounting plate to the back of the Broadlink RM4 Mini, demonstrating how to prepare it for installation.*

## 3. Operating the Device

### 3.1. Controlling IR Appliances

The RM4 Mini supports controlling IR devices. It does not support Bluetooth, Zigbee, or RF devices. Ensure your appliance uses IR before attempting to control it.

*Image: A diagram illustrating the Broadlink RM4 Mini's ability to integrate and control various IR appliances like TVs, set-top boxes, air conditioners, and audio equipment.*

1. **Add Appliance:** In the BroadLink app, navigate to your RM4 Mini device page and tap "Add appliances".
2. **Select Category:** Choose the category of the appliance you want to add (e.g., TV, Air Conditioner).
3. **Brand Matching:** Select the brand of your appliance from the list. The app will provide multiple IR code options. Test each option until your appliance responds correctly.
4. **Button Learning (if no match):** If no pre-set codes work, you can manually teach the RM4 Mini commands from your original IR remote. Tap "Learn remote control now" and follow the on-screen instructions to point your physical remote at the RM4 Mini and press buttons to learn their functions.




*Image: A smartphone screen showing the remote panel matching process, where users can test different IR codes for their appliances.*

### 3.2. Using the HTS2 Sensor Cable (Sold Separately)

The RM4 Mini supports an external temperature and humidity sensor cable (HTS2). When connected, the BroadLink app

will display real-time temperature and humidity data.

1. Plug the HTS2 sensor cable into the dedicated port on the RM4 Mini.
2. The BroadLink app will automatically detect the sensor and display the environmental data on the device page.
3. You can use this data to create automated routines, such as turning on the air conditioner when the temperature exceeds a certain level.



*Image: The Broadlink RM4 Mini connected to the HTS2 sensor cable, showing its ability to monitor temperature and humidity.*

### 3.3. Setting Timers

You can set timers for your IR appliances through the BroadLink app.

1. On the device control page, tap the three dots menu and select "Timer".
2. Tap "Add timer" and specify the time and repetition (e.g., daily, weekdays).
3. Choose the action you want the device to perform (e.g., Power On, Power Off, adjust temperature).
4. Save the timer. You can edit or delete existing timers from the Timer settings.

## 4. Smart Home Integration

### 4.1. Voice Control with Alexa & Google Home

Integrate your RM4 Mini with Amazon Alexa or Google Home for convenient voice control.

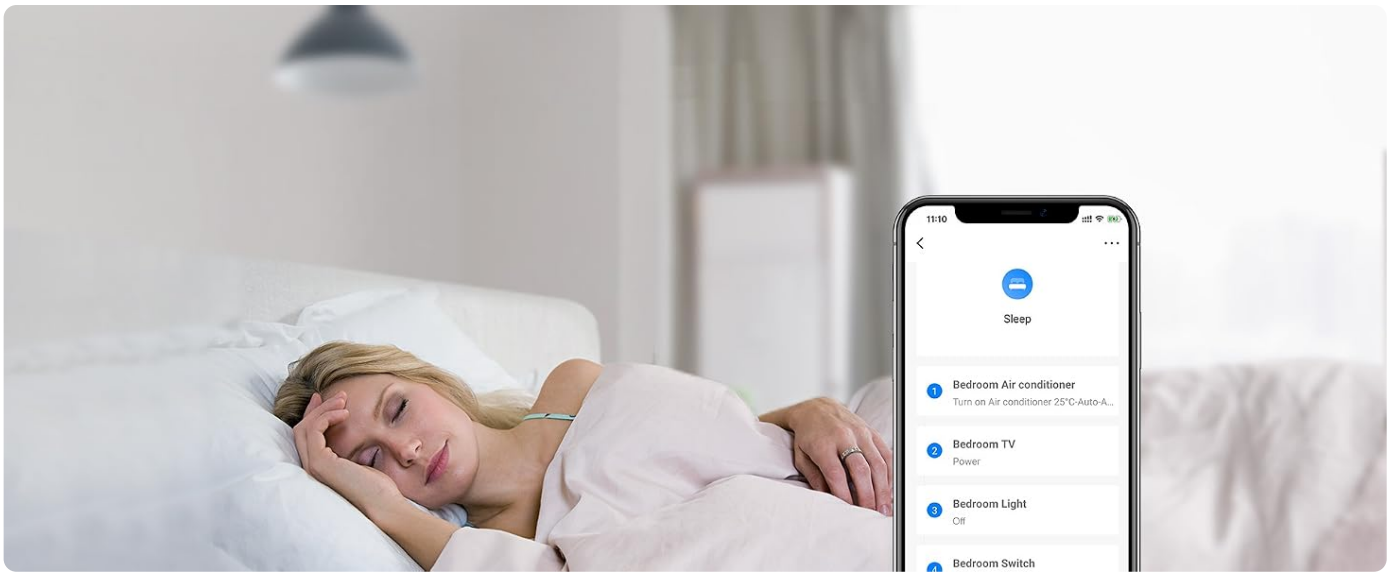



*Image: A family using voice commands with Alexa to control an air conditioner, demonstrating the convenience of smart home integration.*

1. In the BroadLink app, go to the "Me" tab and tap "Add voice assistance".
2. Select either "Alexa" or "Google Home".
3. Tap "Link now" and follow the on-screen instructions to link your BroadLink account with your Alexa or Google Home account.
4. Once linked, discover devices in your Alexa or Google Home app. Your RM4 Mini and its configured appliances will appear.
5. You can now use voice commands like "Alexa, turn on the TV" or "Hey Google, set the air conditioner to 24 degrees".

## 4.2. IFTTT Integration

Use IFTTT (If This Then That) to create advanced automation rules for your RM4 Mini.




*Image: An illustration of IFTTT geofencing, where arriving home automatically triggers the TV to turn on to a news channel.*

1. Download and open the IFTTT app.
2. Create a new Applet (If This Then That).

3. For "If This", search for "BroadLink" and select a trigger (e.g., device turns on/off, temperature changes).
4. For "Then That", search for "BroadLink" and select an action (e.g., control a device, activate a scene).
5. Follow the prompts to connect your BroadLink account to IFTTT and complete the Applet creation.

### 4.3. Siri Shortcuts

For iOS users, you can create Siri Shortcuts to control your RM4 Mini devices with custom voice commands.

1. In the BroadLink app, navigate to the device you want to control.
2. Tap the three dots menu and select "Add to Siri".
3. Choose the action you want to perform (e.g., Power On).
4. Record a custom phrase for Siri (e.g., "Turn on the TV").
5. Now you can activate this action by saying your custom phrase to Siri.

## 5. Maintenance

To ensure optimal performance and longevity of your Broadlink RM4 Mini, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the device with a soft, dry cloth to remove dust. Avoid using liquid cleaners or abrasive materials.
- **Placement:** Ensure the device is placed in a location with a clear line of sight to controlled appliances and away from direct sunlight, heat sources, or excessive moisture.
- **Firmware Updates:** Keep the device firmware updated through the BroadLink app to benefit from new features and performance improvements.
- **Power Supply:** Use the original USB cable and a compatible 5V/1A power adapter.

## 6. Troubleshooting

If you encounter issues with your Broadlink RM4 Mini, refer to the following common solutions:

- **Device Not Connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4 GHz. The RM4 Mini does not support 5 GHz or mesh networks.
  - Verify your Wi-Fi password is correct.
  - Move the RM4 Mini closer to your Wi-Fi router.
  - Perform a device reset and try the pairing process again.
- **IR Appliance Not Responding:**
  - Check for any physical obstructions between the RM4 Mini and the appliance.
  - Ensure the RM4 Mini is within the typical IR range (up to 8 meters).
  - Try different IR code options for your appliance in the BroadLink app.

- Use the manual button learning feature to teach specific commands.

- **Voice Control Not Working:**
  - Confirm your BroadLink account is correctly linked to Alexa or Google Home.
  - Ensure devices are discovered and assigned to rooms in the Alexa/Google Home app.
  - Use the exact voice commands configured for your devices.

- **HTS2 Sensor Not Displaying Data:**
  - Ensure the HTS2 cable is securely plugged into the RM4 Mini.
  - Verify the sensor is not damaged.

## 7. Specifications

| Feature | Specification |
|---|---|
| Brand | Broadlink |
| Model | RM4 mini |
| Connectivity Technology | Infrared 38KHz, Wi-Fi 2.4GHz |
| IR Frequency | 38kHz |
| IR Range | ≤ 8m (typical) |
| Wi-Fi Standard | 802.11b/g/n (2.4GHz) |
| Supported OS | iOS 9.0 / Android 4.0 and later |
| Operating Humidity | ≤ 85% |
| Power Input | 5 Volt (AC power type) |
| Weight | 59.4 g |
| Color | Black |

## 8. Warranty and Support

Broadlink products typically come with a manufacturer's warranty. Please refer to the warranty information provided with your purchase or visit the official Broadlink website for details on warranty coverage, duration, and how to claim support. For technical assistance, troubleshooting, or further inquiries, please contact Broadlink customer support through their official channels or the help section within the BroadLink app.

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