



[Manuals.plus](#) /

› [Broadlink](#) /

› Broadlink RM MAX Smart Home Hub User Manual

## Broadlink RM MAX

# Broadlink RM MAX Smart Home Hub User Manual

Model: RM MAX

## INTRODUCTION

---

The Broadlink RM MAX is a versatile smart home hub designed to integrate your existing IR (Infrared) and RF (Radio Frequency) controlled devices into a modern smart home ecosystem. Compatible with Matter, Apple Home, Alexa, Google Home, and SmartThings, this hub allows you to control various appliances such as TVs, air conditioners, fans, and blinds using a single application or voice commands. It supports both local and remote control, offering reliable automation even without an internet connection.



# Now Matter-Compatible

Just update firmware – connect to Matter ecosystem



Image: The Broadlink RM MAX hub is now Matter-compatible, allowing integration with a wide range of smart home devices.

# New Hub – RM MAX

Enhanced Performance, Smarter Features



Image: The Broadlink RM MAX offers enhanced performance and smarter features, including remote control, preset scenes, local control, timer scheduling, voice control, and FastCon Link.

## SETUP INSTRUCTIONS

---

### 1. Initial Placement and Power

Place the Broadlink RM MAX hub in a central location within your home, ensuring it has a clear line of sight to IR-controlled devices and is within range of RF-controlled devices. Connect the hub to a power source using the included USB cable and power adapter.

### 2. App Installation and BLE Pairing

1. Download the **BroadLink Magic Home** app from your smartphone's app store.
2. Open the app. Thanks to BLE (Bluetooth Low Energy) technology, the hub will automatically pair with your phone for quick setup.
3. Follow the on-screen prompts to authorize the device within the app.

### 3. Wi-Fi Connection

The Broadlink RM MAX connects exclusively to **2.4 GHz Wi-Fi networks**. 5 GHz Wi-Fi is not supported. During

the app setup, you will be guided to connect the hub to your home's 2.4 GHz Wi-Fi network. Ensure your Wi-Fi password does not contain special characters that might cause connectivity issues.

## 4. Adding Devices (IR/RF Learning)

To control your existing IR and RF devices, you will need to add them to the BroadLink Magic Home app. The hub supports 38 kHz IR and 433 MHz RF frequencies.

- **For IR Devices:** The app often has a database of common IR devices (TVs, ACs). Select your device brand and model. If not found, use the *Manual Learning Function* to teach the hub commands from your original remote.
- **For RF Devices:** Similar to IR, the app may have pre-configured options. For custom RF devices, use the *Manual Learning Function* to replicate RF signals from your original remote.

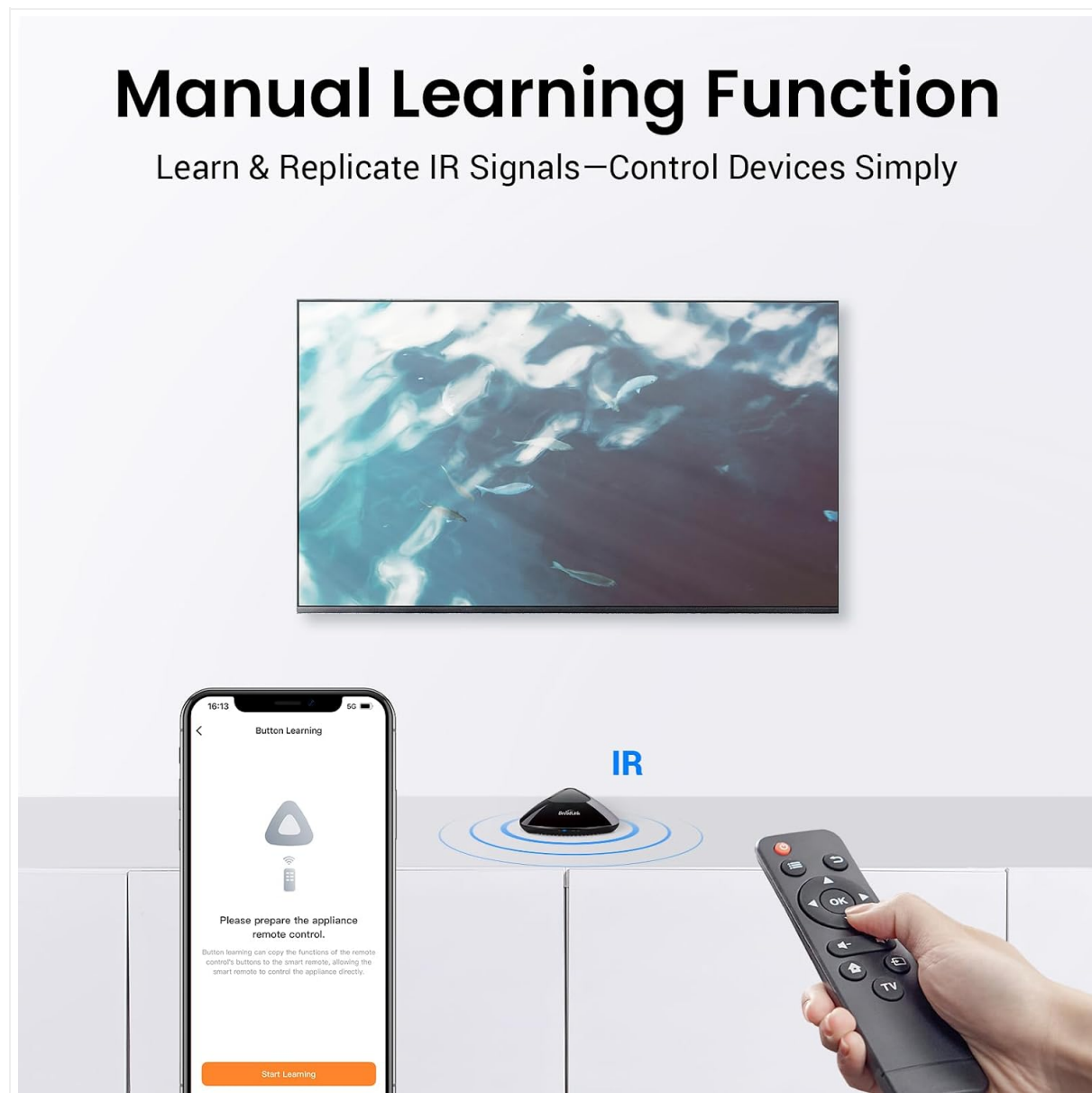


Image: The Manual Learning Function allows the hub to learn and replicate IR signals from your existing remote controls.

## OPERATING INSTRUCTIONS

### 1. Remote Control via App

Once your devices are added to the BroadLink Magic Home app, you can control them from anywhere with an internet connection. The app provides a virtual remote interface for each configured device.

# Remote Control

Control your home appliances anytime, anywhere



Tips: Wi-Fi connection required

Image: Control your home appliances anytime, anywhere using the Broadlink app, requiring a Wi-Fi connection for remote access.

## 2. Voice Control Integration

The RM MAX is compatible with Alexa and Google Assistant. To enable voice control:

1. In the BroadLink Magic Home app, navigate to the settings or integration section.
2. Tap 'Authorize Device' to link your BroadLink account with Alexa or Google Assistant.
3. Once authorized, you can use voice commands (e.g., "Alexa, turn on the fan") to control your configured devices.

# Smart Home, Simplified by Voice

Connect to Wi-Fi, enable voice control.



Image: Simplify your smart home experience with voice control by connecting to Wi-Fi and enabling voice assistant integration.

### 3. Local Control and Offline Operation

The RM MAX supports local control via Matter and BLE, meaning commands can be executed without an active internet connection. This ensures your routines and device controls remain functional even during internet outages. The IR/RF control range is up to 8 meters.



Image: The BroadLink RM MAX works even without Wi-Fi, offering local control via BLE for uninterrupted smart home functionality.

#### 4. Timer and Schedule Functions

Utilize the app to set daily schedules for your devices. This allows for automatic power on/off at specified times, enhancing convenience and energy efficiency.

- Open the BroadLink Magic Home app.
- Select the device you wish to schedule.
- Access the 'Timer' or 'Schedule' option and configure your desired on/off times.

# Timer & Schedule

Set daily schedules to automatically turn on/off devices.

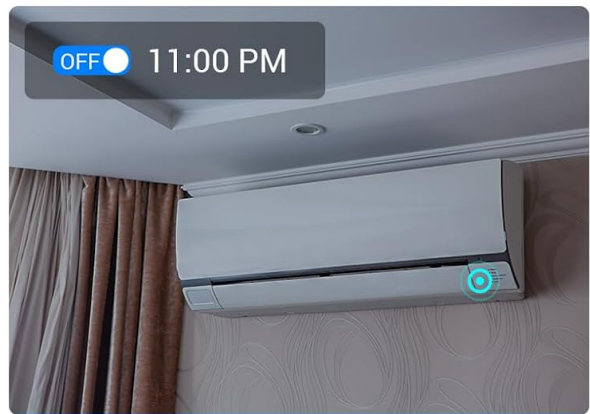
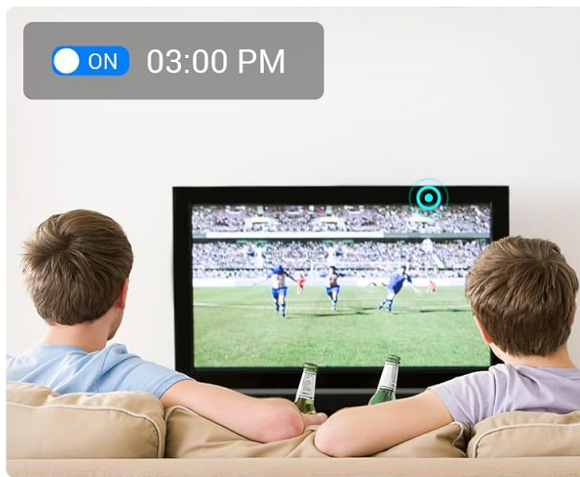
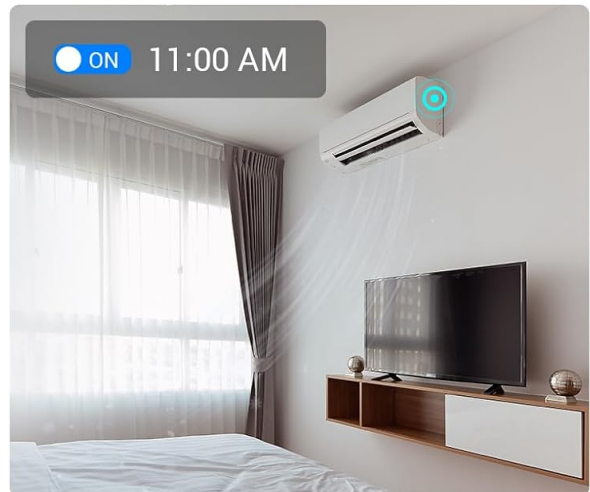
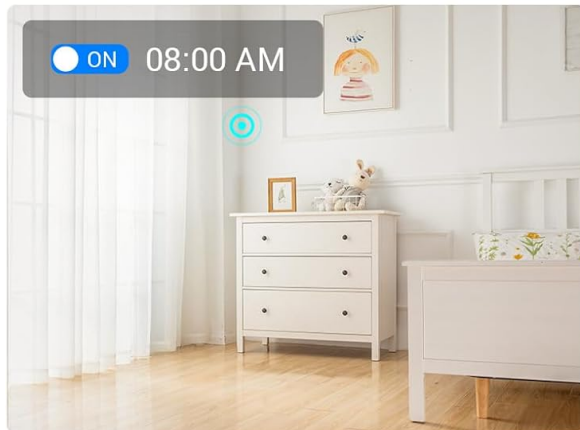


Image: Set daily schedules to automatically turn on/off devices, such as air conditioners and televisions, at specific times.

## MAINTENANCE

---

The Broadlink RM MAX requires minimal maintenance. Keep the device clean and free from dust. Ensure it is placed in a location with good ventilation and away from direct sunlight or extreme temperatures. Regularly check for firmware updates through the BroadLink Magic Home app to ensure optimal performance and Matter compatibility.

## TROUBLESHOOTING

---

### Compatibility Issues

The Broadlink RM MAX is designed to work with IR (38 kHz) and RF (433 MHz) devices. However, certain types of devices are not compatible:

- RF 868MHz devices
- FSK (Frequency Shift Keying) devices
- Rolling Code RF devices
- Remotes that require pairing (beyond simple signal learning)
- Garage doors

- Pellet stoves
- Some motorized blinds/shades (check frequency and code type)

## Please check compatibility first!

### 🔍 CHECK YOUR DEVICE:

- 📶 Frequency: IR 38kHz  | RF 433MHz
- RF 868MHz  | FSK  | Rolling Code?
- Remote Requires Pairing?
- 🚗 Garage Doors?  | 🔥 Pellet Stoves?
- 📖 Some Motorized Blinds / Shades?

### Confirm Your Remote Frequency:

- 🔍 Check the label on your remote or user manual
- 📞 Contact the device manufacturer for details
- 💬 Still not sure? Contact our Support team!
- Don't forget to share your remote's brand & model

Image: Before attempting to add a device, please check its compatibility with the Broadlink RM MAX. Verify the frequency and type of remote control.

### How to Confirm Your Remote Frequency:

- Check the label on your remote control.
- Refer to the device's user manual.
- Contact the device manufacturer for detailed specifications.
- If still unsure, contact BroadLink Support and provide your remote's brand and model.

### Common Issues and Solutions:

- **Device not responding:** Ensure the RM MAX has a clear line of sight to IR devices. For RF devices, ensure it's within the 8-meter range. Check if the device is powered on.
- **Wi-Fi connection failure:** Verify your Wi-Fi network is 2.4 GHz. Restart your router and the RM MAX hub. Ensure the Wi-Fi password is correct and does not contain unsupported special characters.
- **Voice command not working:** Confirm that your BroadLink account is correctly linked to Alexa or Google Assistant. Ensure the device name in the BroadLink app matches the name used in voice commands.

- **App not detecting hub:** Ensure Bluetooth is enabled on your phone for initial BLE pairing. Restart the app and the hub.

## SPECIFICATIONS

---

|                                       |   |
|---------------------------------------|---|
| <b>Manufacturer</b>                   | Hangzhou BroadLink Technology Co., Ltd. |
| <b>Model Number</b>                   | RM MAX                                  |
| <b>Product Dimensions (L x W x H)</b> | 10.88 x 10.86 x 3.65 cm                 |
| <b>Weight</b>                         | 210 grams                               |
| <b>Color</b>                          | Black                                   |
| <b>Shape</b>                          | Rectangular                             |
| <b>Included Components</b>            | RM MAX Hub, USB cable                   |
| <b>Batteries Included</b>             | No                                      |
| <b>Batteries Required</b>             | No                                      |
| <b>Wi-Fi Compatibility</b>            | 2.4 GHz only                            |
| <b>IR Frequency</b>                   | 38 kHz                                  |
| <b>RF Frequency</b>                   | 433 MHz                                 |
| <b>IR/RF Control Range</b>            | Up to 8 meters                          |
| <b>Country of Origin</b>              | China                                   |

## WARRANTY INFORMATION

---

Specific warranty details are typically provided with your purchase documentation or on the manufacturer's official website. Please refer to these resources for comprehensive warranty terms and conditions.

## SUPPORT

---

For technical assistance, troubleshooting, or further inquiries, please visit the official BroadLink support website or contact their customer service. When contacting support, it is helpful to have your product model (RM MAX) and any relevant error messages or details about the issue ready.