

Skydance RM1 RF Dimmer Remote Control Instruction Manual

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Skydance RM1 RF Dimmer Remote Control



Product Information

The 6-Key RF Remote Controller Model No.: RM1/RM2 is a wireless remote controller designed for dimming and color temperature control of single color or dual color LED controllers. It operates on a 2.4GHz RF signal and has a remote distance of up to 30m in a barrier-free space. The remote is powered by a CR2032 battery and features an LED indicator light for easy operation. The RM1 model is specifically designed for 1 zone dimming, while the RM2 model is designed for 1 zone color temperature control.

Mechanical Structures and Installations:

The dimensions of the RM1/RM2 6-Key RF Remote Controller are as follows:

Length: 47.00 mmWidth: 8.00 mmHeight: 100.00 mm

The remote controller can be used with compatible LED controllers and should be installed in a dry indoor location.

Technical Parameters:

Input and Output: RF(2.4GHz)Output Signal: 3VDC(CR2032)

· Working Voltage: 5mA

· Working Current: 2A

· Standby Current: 2 years

• Remote Distance: 30m (Barrier-free space)

The operating temperature range is from -30°C to +55°C, and the IP rating is IP20.

Safety and EMC:

The 6-Key RF Remote Controller conforms to the following standards and certifications:

• EMC Standard (EMC): ETSI EN 301 489-1 V2.2.3

- Safety Standard (LVD): ETSI EN 301 489-17 V3.2.4, EN 62368-1:2020+A11:2020
- Radio Equipment (RED) Certification: ETSI EN 300 328 V2.2.2 CE, EMC, LVD, RED

Warranty:

The 6-Key RF Remote Controller comes with a warranty period of 5 years.

Product Usage Instructions

Match Remote Control (two match ways)

The end user can choose one of the two options for matching the remote control:

Option 1: Use the controller's Match key

- 1. Short press the match key on the controller.
- 2. Immediately press the On/Off key on the remote control.

If the LED indicator on the remote control fast flashes a few times, it means the match is successful.

To delete all matched remotes:

1. Press and hold the match key on the controller for 5 seconds.

If the LED indicator on the remote control fast flashes a few times, it means all matched remotes were deleted.

Option 2: Use Power Restart Match

This option is useful when the remote control is not responding or the remote distance has become smaller and insensitive.

- 1. Switch off the power.
- 2. Switch on the power.
- 3. Repeat steps 1 and 2.

4. Immediately short press the On/Off key 3 times on the remote control.

If the light blinks 3 times, it means the match is successful.

To delete all matched remotes:

- 1. Switch off the power.
- 2. Switch on the power.
- 3. Repeat steps 1 and 2.
- 4. Immediately short press the On/Off key 5 times on the remote control.

If the light blinks 5 times, it means all matched remotes were deleted.

Key Function

RM1 1 zone dimming remote:

- On/Off: Turns the light on or off. Long press for 2 seconds will turn off the light after 60 seconds.
- 50% brightness: Sets the brightness to 50%.
- 30s: Turns off the light after 30 seconds.
- 10% brightness for small night light. Sets the brightness to 10% for a small night light.
- Brightness+/-: Short press to adjust the brightness in 10 levels. Long press for 1-6 seconds for continuous adjustment with 256 levels.

RM2 1 zone CCT remote:

- On/Off: Turns the light on or off. Long press for 2 seconds will turn off the light after 60 seconds.
- Color temperature+: Increases the color temperature.
- 30s: Turns off the light after 30 seconds.
- Color temperature-: Decreases the color temperature.
- Brightness+/-: Short press to adjust the brightness in 10 levels. Long press for 1-6 seconds for continuous adjustment with 256 levels.

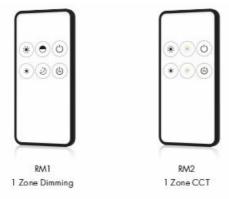
Safety Information:

- 1. Read all instructions carefully before installation.
- 2. Pay attention to the battery's positive and negative polarity when installing the battery.
- 3. If the remote control is not used for a long time, remove the battery.
- 4. If the remote distance becomes smaller and insensitive, replace the battery.
- 5. Gently handle the remote control to avoid falling.
- 6. For indoor and dry location use only.

6-Key RF Remote Controller

Model No.: RM1/RM2

1 zone dimming/6-key/Wireless remote 30m distance/CR2032 battery



C€ RoHS emc LVD RED

Features

- Apply to single color or dual color LED controller.
- Each remote can match one or more receiver.
- CR2032 battery powered.
- Operate with LED indicator light

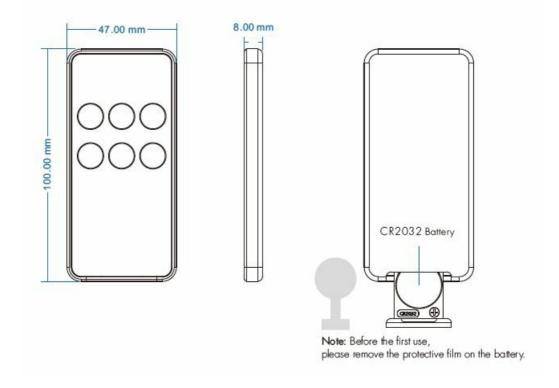
Technical Parameters

Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(CR2032)
Working current	5mA
Standby current	2μΑ
Standby time	2 years
Remote distance	30m(Barrier-free space)

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
	ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
IP rating	IP20

Mechanical Structures and Installations



Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

• Match:

Short press match key, immediately press on/off key on the remote. The LED indicator fast flash a few times means match is successful

· Delete:

Press and hold match key for 5s to delete all match, The LED indicator fast flash a few times means all matched remotes were deleted

Use Power Restart

· Match:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key 3 times on the remote. The light blinks 3 times means match is succes

• Delete:

Switch off the power, then switch on power, repeat again. Immediately short press on/off key 5 times on the remote. The light blinks 5 times means all matched remotes were deleted

Key function

RM1 1 zone dimming remote



Brightness+/-:

Short press 10 levels, long press 1-6s for continuous 256 levels adjustment

RM2 1 zone CCT remote



• Color temperature+/-:

Short press 11 levels, long press 1-6s for continuous 256 levels adjustment.

• Brightness+/-:

Short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

Safety information

- 1. Read all instructions carefully before you begin this installation.
- 2. When installing battery, pay attention to the battery positive and negative polarity. A long time without the remote control, remove the battery. When remote distance becomes smaller and insensitive, replace the battery.
- 3. If no response from the receiver, please re-match the remote.
- 4. Gently handle remote, beware of falling.
- 5. For indoor and dry location use only.

Warranty

Warranty 5 years

Documents / Resources



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