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Skydance RM1 RF Dimmer Remote Control Instruction Manual

Contents

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 mm
- Width: 8.00 mm
- Height: 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

RM1
1 Zone Dimming

RM2
1 Zone CCT

CE 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	2µA
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

Note: Before the first use,
please remove the protective film on the battery.

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

⏻	On/Off
⏼	Turn off light after 30s, long press 2s will turn off light after 60s.
⏼	50% brightness
☽	10% brightness for small night light
☀	Brightness+
☀	Brightness-

Brightness+/-:
Short press 10 levels, long press 1-6s for continuous 256 levels adjustment

RM2 1 zone CCT remote

⏻	On/Off
⏼	Turn off light after 30s, long press 2s will turn off light after 60s.
☀	Color temperature +
☀	Color temperature -
☀	Brightness+
☀	Brightness-

- **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

	Skydance RM1 RF Dimmer Remote Control [pdf] Instruction Manual RM1, RM2, RM1 RF Dimmer Remote Control, RM1, RF Dimmer Remote Control, Dimmer Remote Control, Remote Control, Control