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› JOYLIT LED Dimmer Remote RF-RT6 User Manual

JOYLIT RF-RT6

JOYLIT RF-RT6 LED Dimmer Remote User Manual

Model: RF-RT6

1. INTRODUCTION

Thank you for choosing the JOYLIT RF-RT6 LED Dimmer Remote. This remote control is designed for wireless dimming of single-color LED strips, offering 4-zone group control and a sensitive touch wheel for brightness adjustment. It operates on a 2.4GHz RF signal, providing a wide control range.

Important Note: This product is the remote control only. It requires a compatible JOYLIT V1 or T1 LED Dimmer Receiver (sold separately) to function.

2. SAFETY INFORMATION

- Do not expose the remote to moisture or extreme temperatures.
- Keep out of reach of children.
- Use only AAA batteries as specified. Do not mix old and new batteries, or different types of batteries.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

- JOYLIT RF-RT6 LED Dimmer Remote
- Wall Mount Bracket
- Mounting Screws (2)
- Double-sided Adhesive Pad
- AAA Batteries (2)



Figure 1: This image displays the JOYLIT RF-RT6 wireless LED dimmer remote control, its accompanying wall-mount bracket, two mounting screws, and a double-sided adhesive pad for installation.

4. PRODUCT OVERVIEW

The RF-RT6 remote features an intuitive layout for easy control of your LED lighting.

- **Power Button:** Turns the connected LED strips on or off.
- **Brightness Touch Wheel:** Allows for smooth adjustment of brightness from 0-100%. Rotate clockwise to increase

brightness, counter-clockwise to decrease.

- **Zone Selection Buttons (1, 2, 3, 4):** Selects the specific zone(s) you wish to control. Each zone can be paired with one or more receivers.
- **Scene/Preset Buttons (S1, S2, S3, S4):** These buttons are typically used to save and recall specific brightness levels or lighting scenes. Functionality may depend on the paired receiver.

5. SETUP

5.1 Battery Installation

1. Open the battery compartment cover on the back of the remote.
2. Insert two AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

5.2 Pairing with Receiver

The remote must be paired with a compatible JOYLIT V1 or T1 receiver before use. Each remote can control one or more receivers, and one receiver can be controlled by multiple remotes.

1. Ensure the LED strip is connected to the receiver and the receiver is powered on.
2. On the receiver, briefly press the 'Match' button (refer to your receiver's manual for exact location). The indicator light on the receiver will typically flash.
3. Within 5 seconds of pressing the 'Match' button on the receiver, press the desired Zone button (1, 2, 3, or 4) on the RF-RT6 remote.
4. The LED strip connected to the receiver should flash a few times, indicating successful pairing.
5. Repeat this process for each receiver and desired zone.

Tip for Group/Independent Control: Some users have found that pressing the Power button and Zone 1 simultaneously can synchronize all paired lights to a single control. To enable independent control of zones, try pressing the Power button and Zone 4 simultaneously. Experimentation may be required based on your specific receiver model and desired configuration.

4 Zones for Group Control

Set different LED Strip to be group controlled.



Figure 2: An overhead diagram of a house layout demonstrating how the JOYLIT RF-RT6 remote can control LED strips in up to four distinct zones (rooms), allowing for individual or group adjustments.

2.4GHz RF Dimming Remote

Compatible with JOYLIT V1 & T1 Controller



Figure 3: This image shows the JOYLIT RF-RT6 remote control alongside the compatible JOYLIT V1 and T1 LED dimmer receivers, highlighting its 2.4GHz RF dimming capability in a contemporary interior.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

Press the **Power Button** once to turn the connected LED strips on or off.

6.2 Brightness Adjustment

Rotate the **Brightness Touch Wheel** to adjust the light intensity. Rotate clockwise to increase brightness (up to 100%) and counter-clockwise to decrease brightness (down to 0%).

6.3 Zone Selection

Press the desired **Zone Button** (1, 2, 3, or 4) to select the zone you wish to control. You can select multiple zones

simultaneously to control them as a group.

6.4 Scene/Preset Control

The **S1, S2, S3, S4 buttons** can be used to save or recall specific brightness levels or lighting scenes. Refer to your receiver's manual for detailed instructions on how to program and use these scene functions.

7. MAINTENANCE

- **Cleaning:** Wipe the remote with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the remote's indicator light dims or if the remote becomes unresponsive. Always replace both AAA batteries at the same time.

8. TROUBLESHOOTING

- **Remote not responding:**
 - Check if the batteries are correctly installed and have sufficient charge. Replace if necessary.
 - Ensure the remote is within the effective range (up to 30 meters / 98 feet) of the receiver.
 - Re-pair the remote with the receiver following the instructions in Section 5.2.
- **LED strips not dimming or responding:**
 - Verify that the receiver is properly connected to the LED strip and has power.
 - Confirm the remote is paired to the correct zone(s).
- **All zones control together instead of independently:**
 - As noted in Section 5.2, try pressing the **Power Button** and **Zone 4** simultaneously to attempt to set zones for independent control. If this does not work, consult the manual for your specific JOYLIT receiver model.

9. SPECIFICATIONS

Feature	Specification
Model Number	RF-RT6
Output Signal	RF (2.4GHz)
Working Voltage	3VDC (2 x AAA batteries)
Remote Distance	30M / 98FT (Barrier-free space)
Control Zones	4 Zones
Brightness Adjustment	Touch Wheel (0-100%)
Dimensions	4.8 x 2.09 x 0.67 inches (12.2 x 5.3 x 1.7 cm)
Item Weight	1.44 ounces (40.8 grams)

Material	Polystyrene
Compatible Receivers	JOYLIT V1, T1 LED Dimmer Receivers

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official JOYLIT website. You may also contact the seller directly for assistance.

For additional resources, you can visit the JOYLIT store on Amazon:[JOYLIT Store](#)

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