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› User Manual: 4pcs RF Mini Wireless Remote Controller for LED Strip Lights

ACEIRMC 11 Key RF Mini Wireless Controller

User Manual: 4pcs RF Mini Wireless Remote Controller for LED Strip Lights

Model: 11 Key RF Mini Wireless Controller

INTRODUCTION

This user manual provides detailed instructions for the 4pcs RF Mini Wireless Remote Controller, designed for use with 3528 and 5050 Single Color LED Strip Lights. This controller offers convenient wireless control over LED lighting, including brightness adjustment and various dynamic modes. Please read this manual thoroughly before operation to ensure proper use and optimal performance.

PACKAGE CONTENTS

- 4 x LED Controller
- 4 x RF Wireless Remote Control (11 Key)

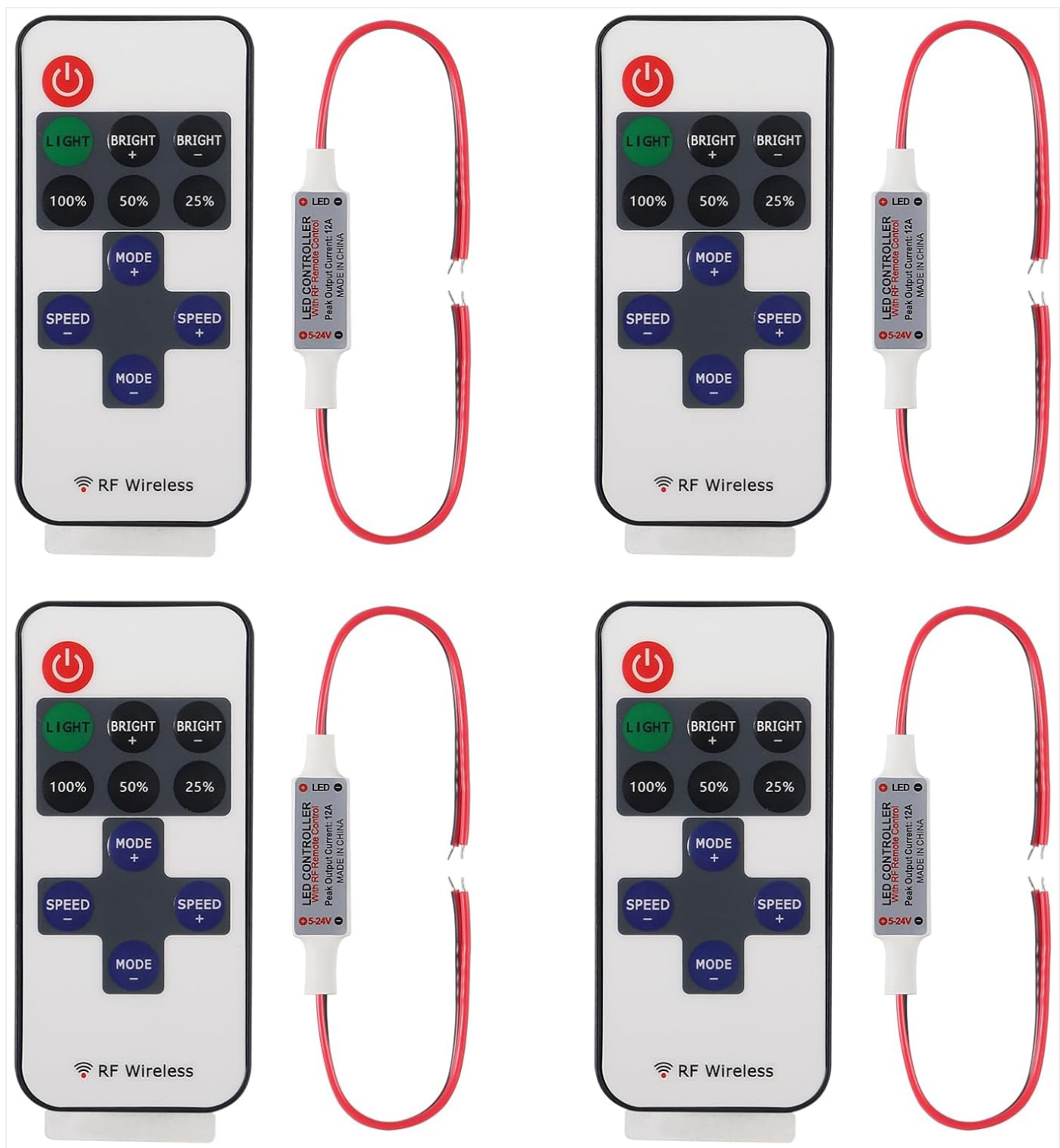


Image: Contents of the package, showing four sets of the LED controller and its corresponding 11-key RF wireless remote.

SPECIFICATIONS

Parameter	Value
Working Temperature	-20°C to 60°C
Input Voltage	DC 5-24V
Output Circuit	1 circuit
Connection Mode	Common Anode

Controller Size (L×W×H)	40.0 × 12.0 × 5 mm
Remote Size (L×W×H)	85 × 40 × 6 mm
Static Power Consumption	<0.5W
Output Current	<6A (each circuit)
Output Power	5V: <30W, 12V: <72W

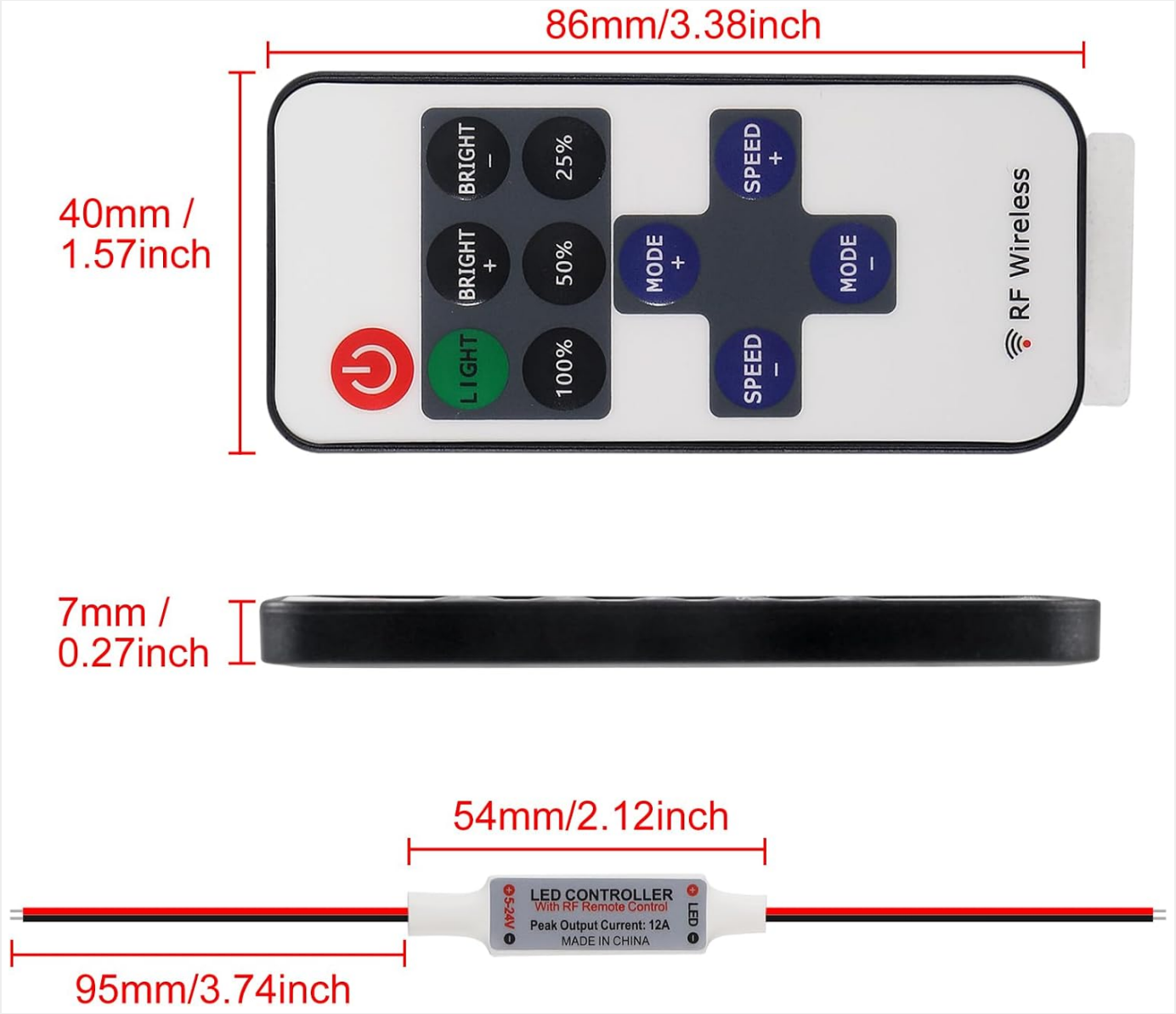


Image: Detailed dimensions of both the remote control (86mm x 40mm x 7mm) and the LED controller (54mm x 95mm wire length).

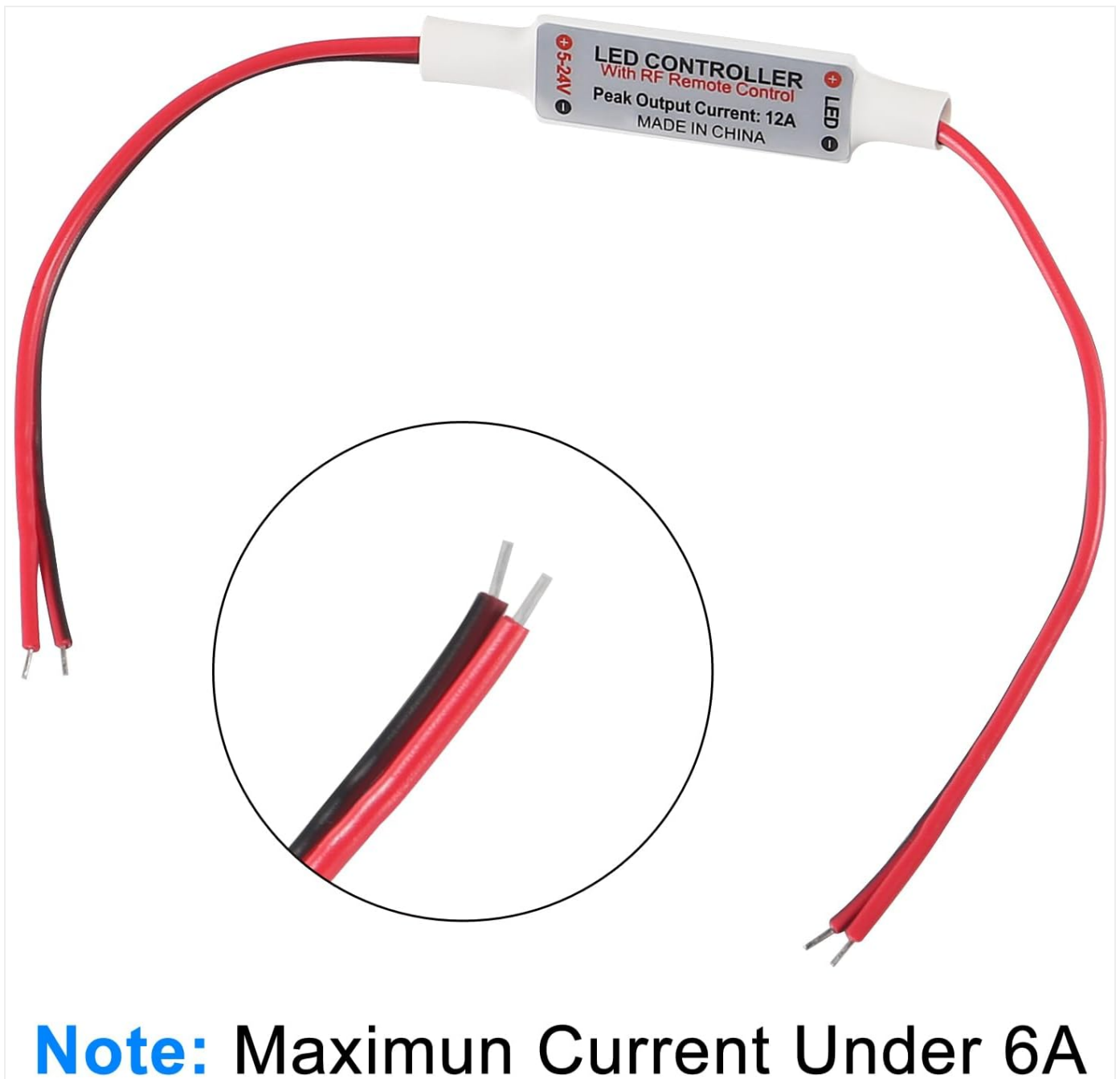


Image: The LED controller showing its input and output wires, with a note indicating a maximum current under 6A.

SETUP AND INSTALLATION

1. Wiring Connection

Connect the LED controller to your single color LED strip lights and power supply according to the following steps:

1. Ensure the power supply is disconnected before making any connections.
2. Connect the LED strip light's positive (+) and negative (-) terminals to the output side of the LED controller. The controller uses a common anode connection.
3. Connect the DC 5-24V power supply to the input side of the LED controller. Ensure correct polarity (positive to positive, negative to negative).
4. Verify all connections are secure before applying power.

2. Remote Pairing (Code Matching)

Due to technical upgrades, the 1-to-1 control mode has changed. Please attempt the latest method first. If it fails, try the

original method.

Latest Matching Method:

Press the 'LIGHT-' and 'SPEED+' keys simultaneously within 5 seconds of powering on the LED controller.

Original Matching Method:

Press the 'SPEED-' and 'SPEED+' keys simultaneously within 5 seconds of powering on the LED controller.

Due to technical upgrades, the 1 to 1 control mode has changed

Please use the latest method first when pairing the code.
If it fails, you can try the original method.

- 1** The original matching method:
Press the 'SPEED-' and 'SPEED+' keys simultaneously within 5 seconds of power on.
- 2** The current matching method:
Press the 'LIGHT-' and 'SPEED+' keys simultaneously within 5 seconds of power on.



Image: Visual guide for pairing the remote control with the LED controller, illustrating both the original and current matching methods.

OPERATING INSTRUCTIONS

The 11-key RF wireless remote control allows for easy adjustment of your LED strip lights. Refer to the button functions below:

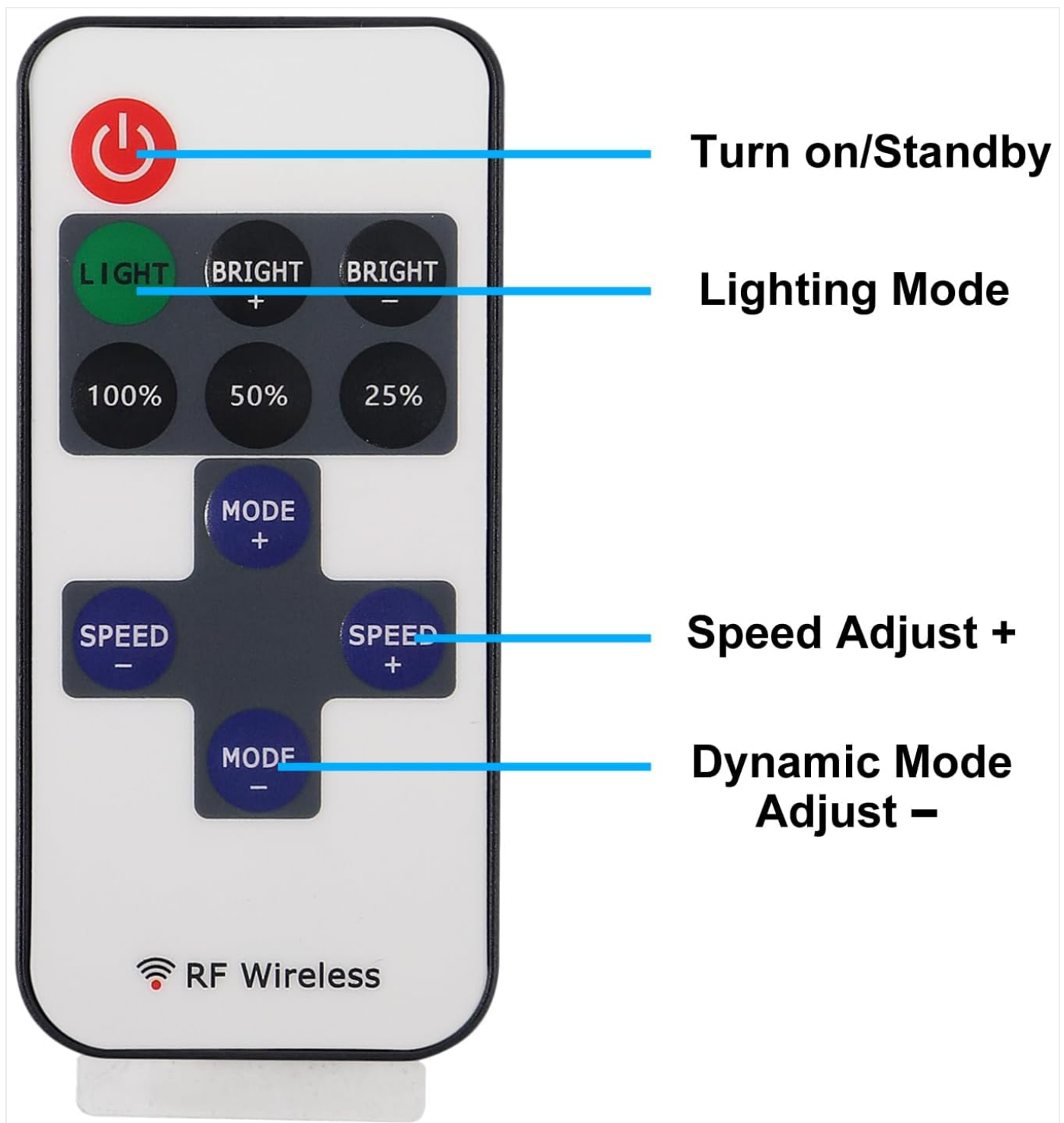


Image: Labeled diagram of the 11-key remote control, indicating the function of each button.

- **Power Button (Top Left):** Turn on/off the LED lights.
- **LIGHT (Green Button):** Toggles between static lighting mode and dynamic modes.
- **BRIGHT+ / BRIGHT- (Brightness Adjustment):** Increase or decrease the brightness level in static mode. There are 10 levels of brightness adjustment.
- **100% / 50% / 25% (Preset Brightness):** Directly set the brightness to 100%, 50%, or 25% of maximum.
- **MODE+ / MODE- (Dynamic Mode Adjustment):** Cycle through the 8 available monochrome dynamic modes.
- **SPEED+ / SPEED- (Dynamic Speed Adjustment):** Increase or decrease the speed of the current dynamic mode. There are 10 levels of speed adjustment.

Dynamic Modes

The controller features 8 types of monochrome dynamic models, including:

- Flash Blasting
- Breathing
- Getting Brighter and Darker
- Strobe
- Flicker
- And other variations.

Use the **MODE+** and **MODE-** buttons to switch between these effects, and **SPEED+** and **SPEED-** to adjust their pace.

MAINTENANCE

Remote Control Battery Replacement

The remote control is powered by a CR2025 lithium battery. If the remote's range decreases or it stops responding, the battery may need replacement.

1. Locate the battery compartment on the back of the remote control.
2. Slide the battery tray out or open the compartment cover.
3. Remove the old CR2025 battery.
4. Insert a new CR2025 lithium battery with the positive (+) side facing up.
5. Close the battery compartment securely.



Battery Type : CR2025

Image: A CR2025 lithium battery next to the open battery compartment of the remote control, indicating the battery type.



Image: Front and back views of the 11-key RF wireless remote control, showing the button layout and the battery compartment on the reverse side.

General Care

- Keep the controller and remote in a dry environment.
- Avoid exposing the devices to extreme temperatures or direct sunlight.
- Clean the devices with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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LED lights do not turn on.	No power to controller; incorrect wiring; remote not paired; faulty LED strip.	Check power supply connection. Verify wiring polarity. Re-pair the remote control (see Setup section). Test LED strip with a different power source if possible.
Remote control not responding.	Low or dead battery; remote not paired; out of range.	Replace CR2025 battery. Re-pair the remote control. Ensure remote is within effective range of the controller.
Lights flicker or behave erratically.	Unstable power supply; loose connection; interference.	Ensure stable power supply. Check all wiring connections for looseness. Minimize sources of RF interference.
Multiple controllers respond to one remote.	Controllers are on the same frequency and within range.	This is a characteristic of RF controllers. To control them independently, ensure they are sufficiently separated or consider using controllers with unique pairing IDs if available (not applicable to this model).

IMPORTANT NOTES

- This controller is designed for single color LED strip lights only. It is not compatible with RGB, RGBW, or other multi-color LED types.
- Ensure the input voltage (DC 5-24V) matches your LED strip and power supply requirements. Exceeding the maximum output current of 6A per circuit can damage the controller.
- The controller has an automatic shutdown memory function, meaning it will remember the last setting (brightness, mode, speed) when powered off and resume it when powered back on.

