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> SUPERNIGHT 24 Keys RGB LED Strip Light Wireless Dimmer Remote Controller User Manual

SUPERNIGHT a05ad1f0-439e-460e-bab9-927232c68c22

SUPERNIGHT 24 Keys RGB LED Strip Light Wireless Dimmer Remote Controller User Manual

INTRODUCTION

This manual provides instructions for the SUPERNIGHT 24 Keys RGB LED Strip Light Wireless Dimmer Remote Controller. This remote is designed to control compatible RGB LED strip lights, offering various color and mode selections.



Image: Two SUPERNIGHT 24-key RGB LED remote controllers, showing the button layout.

COMPATIBILITY

This remote controller is compatible with SMD 5050, 3528, and 2835 RGB LED strip lights. It is designed for use with 4-pin light strips and DC12V power supplies only. It is not compatible with DC24V or AC200 power supplies.

PACKAGE CONTENTS

The package includes:

- 2 x 24-key RGB LED light remote controllers

Note: This product includes only the remote controllers. LED light strips, adapters, power supplies, or control boxes are not included.

SETUP INSTRUCTIONS

1. **Battery Activation:** Before first use, locate the plastic insulation tab in the battery compartment of the remote controller. Pull this tab out to activate the pre-installed battery.
2. **Connect LED Strip:** Ensure your LED strip light is a 4-pin RGB type and uses a DC12V power supply. Connect the LED strip to its control box (not included).
3. **Align Connections:** When connecting the LED strip to the adapter or control box, ensure the arrow mark on the adapter aligns precisely with the arrow mark on the LED light strip. Correct connection of positive and negative poles according to color coding is essential for proper function.
4. **Position Signal Receiver:** Ensure the infrared (IR) signal receiver of your LED strip system is unobstructed and visible to the remote controller for optimal operation.

8 brightness modes ☀️ + ☀️ -



Image: Illustration of removing the battery insulation tab and aligning the arrow marks during LED strip connection.

OPERATING INSTRUCTIONS

The 24-key remote controller provides comprehensive control over compatible RGB LED strip lights. Point the remote directly at the LED strip's IR receiver for best performance.

Button Functions:

Operation Instructions of Controller

I. Specifications:

Working temperature: -20-60 ℃

Product size: L62×W35×H23mm

Net weight: 50g

Output: Three CMOS drain- open output

Max load current: 2 A each color

Supply voltage: DC12V

Package size: L105×W65×H55mm

Gross weight: 70g

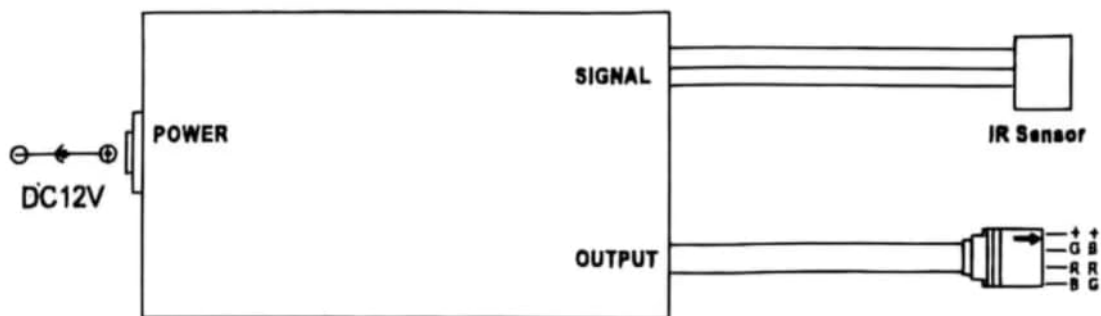
Connecting Mode: Common anode

II. Control Method:

Adopt IR remoter to control the led controller ,which has 24 buttons,the function of each button as the table below:

Brightness + (Speed up)	Brightness -(Speed down)	Off	On
Static red	Static green	Static blue	Static white
Static orange	Static pea green	Static dark blue	7 color jumpy change
Static dark yellow	Static cyan	Static brown	All fade out&fade in
Static yellow	Static light blue	Static pink	7 color fade change
Static straw yellow	Static sky blue	Static purple	3 base color jumpy

III. Panel specification and connecting drawing as follows:



NOTE :This panel is not Included

IV. Warning:

1. Supply voltage of this product is DC12V never connect to DC24V or AC220V.
2. Never connect two wires directly in case of short circuit.
3. Lead wire should be connected correctly according to colors that connecting diagram offers.
4. Warranty of this product is one year, in this period we guarantee replacement or repairing with no charge, but exclude the artificial situation of damaged or overload working.

Image: Detailed view of the 24-key remote controller with labels for each button's function.

- **ON/OFF:** Turns the LED strip lights on or off.
- **Brightness Adjustment:** Two buttons (sun icons) to increase or decrease the brightness of the

lights.

- **Color Selection:** 16 dedicated buttons for static colors (Red, Green, Blue, White, and various shades).
- **Dynamic Modes:**
 - **FLASH:** Rapidly cycles through colors.
 - **STROBE:** Flashes a single color.
 - **FADE:** Smoothly transitions between colors.
 - **SMOOTH:** Gradual color changes.

For specific color and mode combinations, refer to the table below:

Brightness (+ / Speed Up)	Brightness (- / Speed Down)	Off	On
Static Red	Static Green	Static Blue	Static White
Static Orange	Static Pea Green	Static Dark Blue	7 Color Jumpy Change
Static Dark Yellow	Static Cyan	Static Brown	All Fade Out & Fade In
Static Yellow	Static Light Blue	Static Pink	7 Color Fade Change
Static Straw Yellow	Static Sky Blue	Static Purple	3 Base Color Jumpy



- Turn ON/OFF
- Adjust Brightness
- Set Models

**Perfect IR remote controller
for SMD 5050 3528 RGB LED
strip lights.**



Image: A hand holding the remote controller, adjusting the color of LED strip lights installed behind a television.

MAINTENANCE

The remote controller requires minimal maintenance. Keep the device dry and clean. If the remote's performance degrades, replace the internal Lithium Ion battery. Ensure the battery is inserted with correct polarity.

TROUBLESHOOTING

• Remote Not Responding:

- Ensure the plastic insulation tab has been removed from the battery compartment.
- Verify the remote is pointed directly at the LED strip's IR signal receiver.
- Check for any obstructions between the remote and the receiver.
- Replace the battery if the remote still does not function.

• Incorrect Color/Mode Display:

- Confirm that the adapter arrow mark is aligned with the arrow mark on the light strip.
- Ensure lead wires are connected correctly according to color coding (positive and negative)

poles).

- **No Power to LED Strip:**

- Verify that the power supply is DC12V. This product is not compatible with DC24V or AC200.
- Confirm that the LED strip is a 4-pin type.

If issues persist after following these steps, please contact customer service for further assistance.

SPECIFICATIONS

- **Product Dimensions:** 3.22 x 1.92 x 0.62 inches
- **Item Weight:** 1.13 ounces
- **Item Model Number:** a05ad1f0-439e-460e-bab9-927232c68c22
- **Batteries:** 1 Lithium Ion battery required (included)
- **Brand:** SUPERNIGHT
- **Special Feature:** Adjustable
- **Color:** Multi
- **Max Number of Supported Devices:** 1
- **Compatible Devices:** RGB LED Strip Light (SMD 5050, 3528, 2835, 4-pin, DC12V)

WARRANTY AND SUPPORT

This product comes with a one-year warranty. During this period, replacement or repair will be provided free of charge, excluding damage caused by artificial situations or overload working conditions.

For any questions or assistance, please contact our customer service. We provide 24-hour customer service and support free returns and exchanges.