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## Vrabcry 17key

# Vrabcry DC 5V/12V/24V 17 Key RF Wireless Remote LED Controller User Manual

Model: 17key

## INTRODUCTION

Thank you for choosing the Vrabcry DC 5V/12V/24V 17 Key RF Wireless Remote LED Controller. This device is designed to provide versatile control over your 5050, 3528, and 5630 LED strip lights, offering a range of static colors and dynamic modes. Please read this manual carefully before installation and operation to ensure proper use and longevity of the product.

## SAFETY INFORMATION

- Ensure the input voltage (5V, 12V, or 24V) matches your LED strip lights and power supply. Incorrect voltage can damage the controller and LED strips.
- Do not expose the controller or remote to moisture or extreme temperatures.
- Disconnect power before making any connections or disconnections.
- This product is intended for indoor use only.
- Keep out of reach of children.

## PACKAGE CONTENTS

The package includes the following items:

- 1 x RF Mini RGB Controller
- 1 x 17-Key RF Wireless Remote (CR2025 battery not included)
- 1 x User Manual

## SETUP

### 1. Controller Connection

1. Connect your LED strip light to the 4-pin output connector of the RF Mini RGB Controller. Ensure the polarity is correct (usually indicated by arrows or markings).

2. Connect a compatible DC 5V/12V/24V power supply to the input jack of the RF Mini RGB Controller.
3. Verify all connections are secure before applying power.



Image: The Vrabcory RF Mini RGB Controller connected to its 17-key wireless remote. The controller has a white cable with a 4-pin connector for LED strips and a power input jack.

## 2. Remote Control Battery Installation

The 17-key RF Wireless Remote requires one CR2025 button battery (not included).

1. Locate the battery tray on the back of the remote control.
2. Gently push the small tab and pull out the battery tray.
3. Insert a new CR2025 battery with the positive (+) side facing up.
4. Slide the battery tray back into the remote until it clicks into place.



Image: The back of the 17-key RF Wireless Remote, illustrating the battery compartment for a CR2025 battery. Instructions for opening and inserting the battery are visible.

## OPERATING INSTRUCTIONS

The 17-key RF Wireless Remote allows for comprehensive control of your LED strip lights. The remote operates using a 433MHz wireless signal, providing control without direct line-of-sight.



Image: Front view of the 17-key RF Wireless Remote Control, displaying all buttons and their labels for various functions.

### Remote Control Functions:

Button	Function
<b>ON/STANDBY</b>	Turns the LED lights on or switches to standby mode.
<b>MODE+ / MODE-</b>	Switches between 9 dynamic modes or transitions from static lighting to dynamic modes.
<b>SPEED+ / SPEED-</b>	Adjusts the speed of dynamic modes (5 levels).
<b>BRIGHT+ / BRIGHT-</b>	Adjusts the brightness of static colors or dynamic modes.
<b>COLOR+ / COLOR-</b>	Cycles through 20 static colors. Can also switch from dynamic mode to a static color.
<b>SINGLE COLOR SELECT</b>	Directly selects specific static colors: White, Red, Green, Blue, Yellow, Cyan, Pink.
<b>DEMO</b>	Activates a demonstration mode cycling through various dynamic effects.

### Dynamic Modes:

The controller offers 9 dynamic modes, including effects such as strobe, breathing, fading in and out, slow flashing, and flickering. Use the **MODE+** and **MODE-** buttons to cycle through these effects.

## Static Colors:

There are 20 static colors available. Use the **COLOR+** and **COLOR-** buttons to select your desired color, or use the dedicated single color buttons for quick access to primary colors.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller and remote. Do not use liquid cleaners or solvents.
- **Battery Replacement:** Replace the CR2025 battery in the remote control when its range decreases or it stops responding. Refer to the "Remote Control Battery Installation" section for instructions.
- **Storage:** Store the device in a cool, dry place when not in use for extended periods.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
LED strip lights do not turn on.	No power to the controller. Incorrect connections. Remote battery is dead.	Check power supply connection. Verify LED strip and power supply connections are secure and correct polarity. Replace remote battery.
Remote control is not responding.	Dead or incorrectly installed battery. Remote is too far from the controller.	Replace CR2025 battery, ensuring correct polarity. Move closer to the controller. The RF signal has a typical range, but obstacles can reduce it.
LED colors are incorrect or flickering.	Loose connection. Incompatible LED strip type.	Check all 4-pin connections for the LED strip. Ensure your LED strip is a common anode RGB type compatible with this controller.

## SPECIFICATIONS

- **Voltage:** 5V - 24V DC
- **Working Current:** 12A / 3 channels (4A per channel)
- **Working Temperature:** -20°C to 60°C (-4°F to 140°F)
- **Controller Dimensions:** Approximately 1.6 x 0.5 x 0.2 inches (40 x 12.7 x 5 mm)
- **RGB Control:** 3 output channels, common anode+
- **Static Colors:** 20
- **Dynamic Modes:** 9
- **Speed Levels:** 5
- **Control Method:** 433MHz RF Wireless
- **Remote Battery Type:** CR2025 (not included)

## WARRANTY AND SUPPORT

Vrabcry products are designed for reliability and performance. For warranty information or technical support, please refer to the retailer where you purchased this product or visit the official Vrabcry website. Please retain your proof of purchase for warranty claims.

If you encounter any issues not covered in this manual, please contact customer support for assistance.

