

# 69-RTC1 RF Remote Touch RGB Controller/Dimmer for RGB LED Strips



## **Description:**

The 69–RTC1 RF remote touch dimmer is compatible with any LED RGB product. Unique touch technology, user–friendly operation, and ease of use make the 69–RTC1 the ideal device for automatically controlling LED lights. The touch ring is used for easy color access and has 4 predefined pattern modes (static color, gradual, hopping, and white light).

## **Functional Description:**

- 4 Predefined Patterns: Static Color, Gradual, Hopping, and White Light
- Brightness, Color, and Speed Control
- Power-Loss Memory Recovery Function
- Touch Surface with Full Color Selection Ring

## **Technical Specifications:**

- Frequency: 433.92MHz
- Input Voltage: 12/24VDC
- Output Current: 8A \* 3Ch (12V) / 4A \* 3Ch (24V)
- Output Power: 216W (12V) / 288W (24V)
- Polarity: Common Anode
- Weight: 8.3oz. (235g)

# Key Function Descriptions:



- 1. Power OFF
- 2. Power ON / Mode change
- 3. Speed +, static color saturation increase, white mode invalid
- 4. Speed -, static color saturation decrease, white mode invalid
- 5. Color ring, gradient mode, and white mode invalid
- 6. BRT+, brightness increase
- 7. BRT-, brightness decrease
- 8. Indicator

#### **Available Remote Control Modes:**

To cycle through the available modes, press the (power on) button at the top right of the remote control.

NO	Mode	Remarks	NO	Mode	Remarks
1	Static Red	Brightness is adjustable, Speed is unadjustable	12	Red strobe – flash	Brightness/Speed are adjustable
2	Static Green		13	Green strobe – flash	
3	Static Blue		14	Blue strobe – flash	
4	Static Yellow		15	Yellow strobe - flash	
5	Static Purple		16	Purple strobe – flash	
6	Static Cyan		17	Cyan strobe – flash	
7	Static White		18	White strobe - flash	
8	3–Colors Jump Change	Brightness/Speed are adjustable	19	R/B Crossfade	Brightness is adjustable, Speed is unadjustable
9	3-Colors Gradual Change		20	B/R Crossfade	
10	7–Colors Jump Change		21	G/B Crossfade	
11	3-Colors Gradual Change		22	Colors right crossfade	

# **Operating Instructions:**

#### Step 1

Connect the (+/-) wires from the AC adapter and the (+RGB) wires from the end of the LED strip to the control box as shown in th wiring chart below. Use a small flat head screw driver to secure connections to the terminal block.

# V-Power Supply, BlackV+Power Supply, RedV+LED Common, BlackRRedGGreenBBlue



## Step 2

Install x3 AAA batteries into the remote and replace the back cover. Connect the power adapter to the power plug going to the control box.

## Step 3

Plug the adapter power cord into a wall outlet. Once the control box has power, the LED strip will turn white indicating that it is ready to sync. \* This sync period lasts 3 to 5 seconds.

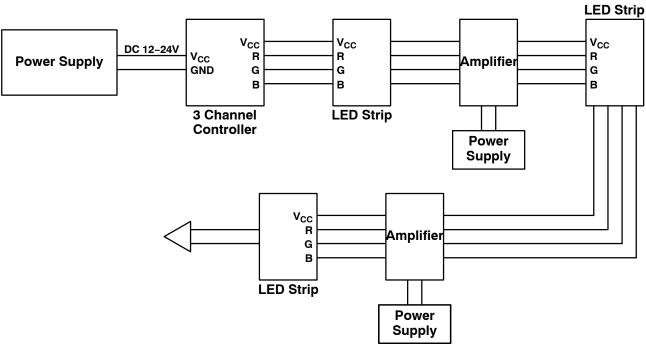
While in sync mode, point the remote in the direction of the control box. Hold down the Reduce Brightness button on the remote fo 3 seconds. When syncing is complete, the unit will power off.

## Step 14 (Alt.)

To de-sync the remote, repeat (Step 3) by holding down the Increase Brightness button for 3 seconds instead.

\* To return to sync mode, power must be removed from the control boxfo at least 5 second.

# Linking Operation:



# **Dimensions:**

