

RF Touch Control RGB Controller

MODEL: LT-09S-RF

Summary

This RF touch RGB controller uses the advanced touch technology. Mainly used to control constant voltage LED products, such as RGB LED Tape Light, RGB eSTRIP, RGB Hard Strip, RGB Mini Flood Lights. Users can choose different changing mode, adjust the color changing speed and brightness, and turn on/off using the remote control according to their preference. The controller has power off memory function, meaning that when turned back on, it will start with the last changing mode it saved. It has 18 pre-programmed functions, such as static color, jump, fade, strobe, flow, automatic cycle and other effects. Easy wiring and being simple to use are the main characteristics of this controller. As a safety feature, the controller has a built in auto-reset short circuit protection. When the short circuit situation occurs, the green LED will be flashing, automatically re-setting 20 seconds after the short circuit cause has been eliminated.



Safety Instructions

1. Save these instructions.
2. Read all instructions thoroughly before commencing assembly or installation.
3. For indoor use only.
4. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
5. Use only Class 2 non-dimmable power supplies.
6. Turn off all electrical power before modifying lighting system in any way.

Specifications

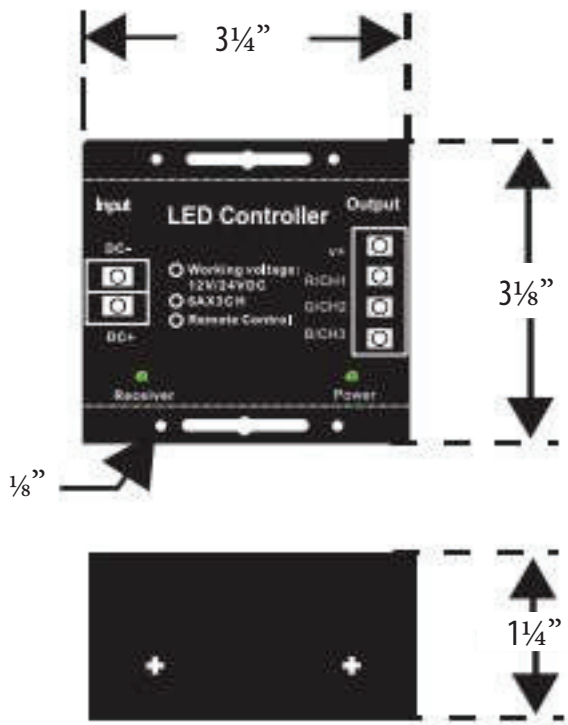
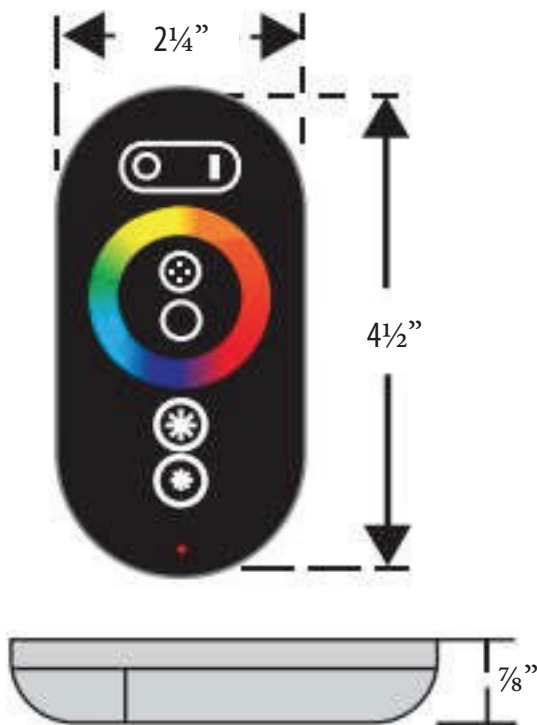
Controller:

Working Temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$
 Supply Voltage: 12V/24V DC
 Output: 3 channels N-MOS Drain open output
 Connection Mode: common anode
 Static Power Consumption: $<0.5\text{W}$
 Output Current: 18A (6A per channel)
 Controller Dimension: $\text{L}3\frac{1}{4}''\text{XW}3\frac{1}{8}''\text{XH}1\frac{1}{4}''$
 Package Size: $\text{L}8\frac{1}{8}''\text{XW}5\frac{1}{4}''\text{XH}1\frac{3}{4}''$
 Net Weight: 0.37lbs
 Gross Weight: 0.86lbs

Remote Control:

Working Temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$
 Power Supply Mode: 3pcs AAA battery (sold separately)
 Supply Voltage: 4.5V
 Static Power Consumption: $<0.09\text{mW}$
 Static Current: 10uA
 Operating Current: 15mA
 Remote-Controlled Distance: $>65\text{ Ft}$
 Stand-By Time: 6 months

Dimensions



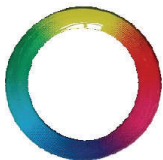
Symbol Function



Turn OFF/ON the LED light in any state.



Mode+/Mode- for selecting color changing functions forward/backwards.



Color wheel for selecting desired static color.



In Static mode, brightness + increases light output; in Dynamic mode, speed + will increase the speed of functions change.



In Static mode, brightness- reduces light output; in Dynamic mode, speed - will slow down the speed of functions change.

Remote Control



The function of each button as below:

NO.	Model	Remarks	NO.	Model	Remarks
1	Static red	Brightness adjustable	10	Three Color fade	Speed, brightness are adjustable
2	Static green		11	Three Color flow	
3	Static blue		12	Seven Color fade	
4	Static yellow		13	Seven Color flow	
5	Static purple		14	Three-colors flash frequency	
6	Static cyan		15	Seven-colors flash frequency	
7	Static white		16	Three-colors blasting flash	
8	Three color jump	Speed, brightness are adjustable	17	Seven color blasting flash	
9	Seven color jump	Speed, brightness are adjustable	18	Automatic mode	

Connection Instruction



DC+: For power input +12V/24V DC

DC-: For power input -12V/24V DC

V+: For Load Common anode

R/CH1: Load output Red channel

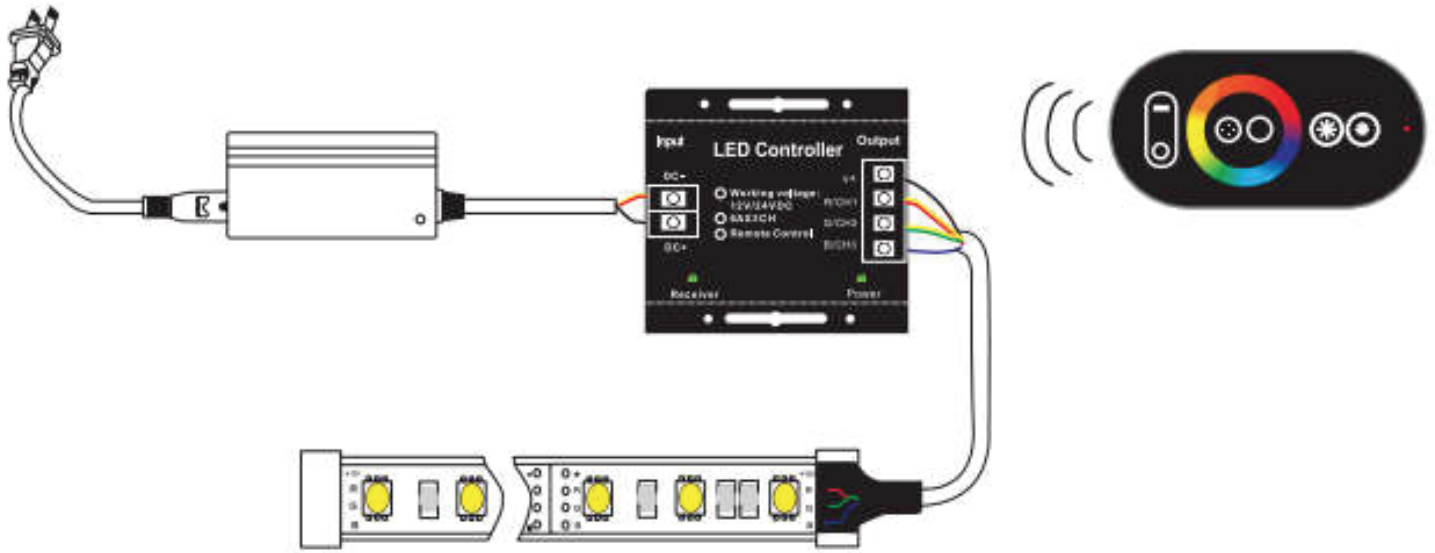
G/CH2: Load output Green channel

B/CH3: Load output Blue channel

Power: Red LED light will be lit when the power is turned ON.

Receiver: Green LED light will be normally OFF. The light will flash few times when receiving signal from the remote. When a short circuit situation occurs, the green LED will be flashing continuously, until the short-circuit cause has been eliminated.

Typical Applications



NOTES:

1. Use only NSL non-dimmable 24V DC power supplies.
2. Install product as per diagram above (connect the load side first, then connect the power). In this process, please avoid short-circuits.