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*Important: Read all instructions prior to installation.*

# RGB Controller with RF Touch Color Remote

## Parts Included

1 - RGB Controller
1 - RF Touch Color Remote

## RF Remote

| Button | Functions |
|---|---|
| (power button) | Turn all LEDs on and off, retaining the last setting on power toggle. |
| COLOR WHEEL | Directly select color on wheel from static color mode or color selection by touching the color wheel. Rotate finger around to fine tune desired color. |
| (bulb icon) | **Instant White Mode** Switches between static colors and static white |
| BRIGHTNESS +/- ☀ ☀ | Dim LEDs in static white mode and dynamic mode by pressing ( ☀ ) symbol. Brighten LEDs by pressing ( ☀ ) symbol. |
| SPEED +/- ☀ ☀ | Increase ( ☀ ) and decrease ( ☀ ) speed on dynamic modes. |
| MODE +/- ⊛ | Cycle through 14 different dynamic modes. |

*RF remote controller has a signal range up to 65ft (20m) and requires 3 x AAA batteries (not included).*

## General Description

LDRF-RGB6-TC2(Black or White remotes) three channel RGB (Red, Green, Blue) LED controller with color touchwheel for directly selecting a wide range of colors.

Offers 14 dynamic modes and static white with adjustable brightness, static single color modes, and speed and mode retention (controller resumes modes with the settings previously selected on power toggle).

## Instructions

**Pre-test & Configure**
May be used with RGB strips, bars, modules, or other RGB LED products. Connect LEDs to power supply and controller (see "Method 1" ).

Turn on LEDs using the included remote controller to ensure proper operation of the LEDs, power supply, controller, and remote.

Choose suitable dry location for the power supply and controller.

## Static White Mode

While in dynamic or static color mode,

Press (bulb icon) once to activate white. Brightness is adjustable.

## Static Color Mode

To select a static color, press the (bulb icon) icon until static color, then touch the color wheel to select your color.

## Dynamic Mode Dimming

Dimming in dynamic mode must be done in the static white mode first.

Press (bulb icon) to activate the white mode.

Press (☀ icon) to increase brightness and (☀ icon) to decrease brightness.

Then press (⊛ icon) to switch back to dynamic mode. Only the modes listed as adjustable on page 2 for brightness will respond to the dimming function.
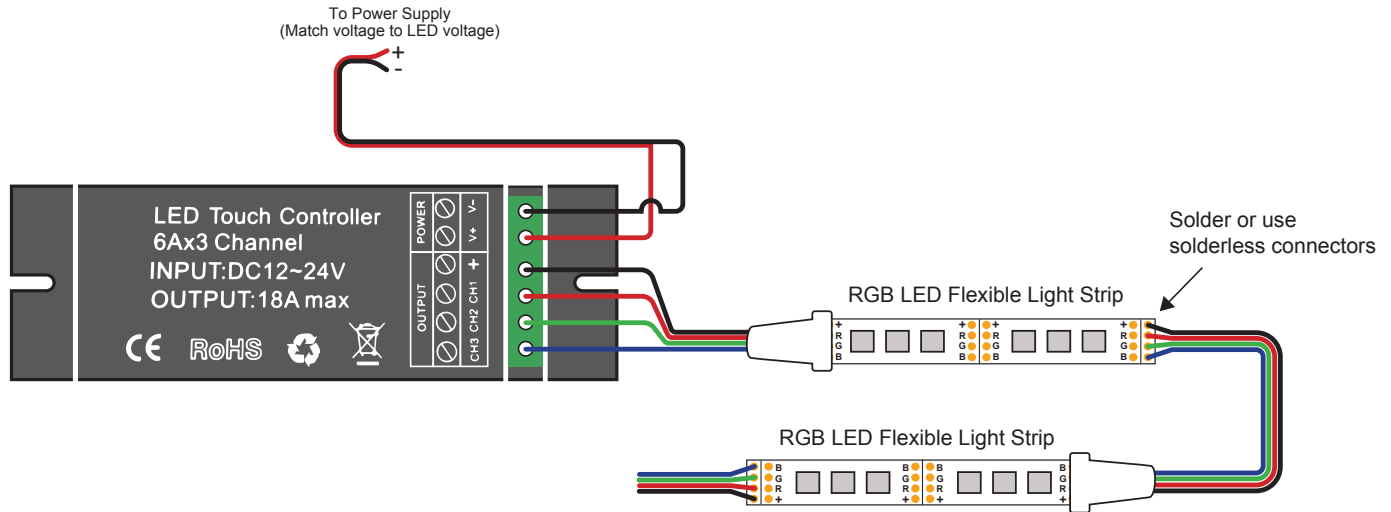
## Safety

- DO NOT connect controller or LEDs directly to 120V AC power. This controller requires a 12V or 24V DC power supply.
- DO NOT exceed max load of 18 Amps, overloading the controller may cause overheating, shorting, and possibly failure of controller.
- Be sure the power supply is not plugged into an outlet before connecting or disconnecting any of the systems components.
- DO NOT expose the controller or remote to direct or indirect moisture.
- Always observe proper polarity when connecting power and load.

📱 **866-590-3533**    ➤ **support@superbrightleds.com**

12-24 Volt DC    RoHS Compliant    FC    WARRANTY LIFE TIME

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## RGB Controller with RF Touch Color Remote

### Wiring: Method 1

To Power Supply
(Match voltage to LED voltage)

LED Touch Controller
6Ax3 Channel
INPUT:DC12~24V
OUTPUT:18A max

CE RoHS

POWER
OUTPUT
V+ V- + CH1 CH2 CH3

Solder or use
solderless connectors

RGB LED Flexible Light Strip

RGB LED Flexible Light Strip

### Specifications

| Type | 3 Channel |
|---|---|
| Input Voltage | 12~24 VDC |
| Output | 6 Amps / Ch |
| Total Output | 18 Amps |
| Max Wattage | 216W (12V) / 432W (24V) |
| Operating Temp | -4° ~ 140° F (-20° ~ 60°C) |
| Controller Size | L3.2in x W2.5in x D.9in (81 x 64 x 24mm) |
| Controller Weight | 55g (1.94oz) |
| Frequency | 433MHz |
| FCC ID | 2AFRVFC433RMT5 |
| Batteries | 3 x AAA (Not Provided) |

### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Modes List

| Mode | Function | Brightness | Speed Controls | Mode | Function | Brightness | Speed Controls |
|---|---|---|---|---|---|---|---|
| 1 | Three color jump | Adjustable | Adjustable | 9 | Cyan strobe-flash | Adjustable | Adjustable |
| 2 | Seven color jump | Not Adjustable | Adjustable | 10 | Purple strobe-flash | Adjustable | Adjustable |
| 3 | Three color fade | Not Adjustable | Adjustable | 11 | White strobe-flash | Adjustable | Adjustable |
| 4 | Seven color fade | Adjustable | Adjustable | 12 | Red-blue fade | Not Adjustable | Adjustable |
| 5 | Red strobe-flash | Adjustable | Adjustable | 13 | Green-blue fade | Not Adjustable | Adjustable |
| 6 | Green strobe-flash | Adjustable | Adjustable | 14 | Red-green fade | Not Adjustable | Adjustable |
| 7 | Blue strobe-flash | Adjustable | Adjustable | Note: | "☀" and "☀" changes dynamic modes | | |
| 8 | Yellow strobe-flash | Adjustable | Adjustable | Note: | Adjustable brightness can only be changed in white mode | | |