

### RCA-RFRGB

**Important: Read all instructions prior to installation.**

## Wireless Remote RGB Controller

RGB Controller, On/Off, Color and Dynamic Modes

### Parts Included

- 1 - RF Controller Box
- 1 - Inline Fuse Holder
- 2 - Key Fob Remote
- 1 - 2A Fuse

### Instructions

**Important Note:** Please check your state and local laws before installing aftermarket lighting accessories on vehicles. Every state has different policies and procedures for aftermarket accessories. Super Bright LEDs, Inc. is not responsible for any fines that you may incur while using vehicle lighting accessories purchased from Super Bright LEDs, Inc.

#### Pre-test & Configure

Connect RGB LED light's positive wire (V+) to the positive black wire from RF controller box, and RGB light's Red, Green, and Blue wires to the corresponding Red, Green, and Blue wires from RF controller box.

Temporarily connect red wire (+) with fuse holder to positive contact on battery and black wire (-) to negative contact on battery. Use remote fob to test for proper light, controller, and remote operation. Press button "D" to turn lights on and off.

Make sure wires can be routed in a such a way that they will not be pinched, cut, or exposed to direct heat or moving parts. If a power wire is pinched it could cause the controller and lights to malfunction, and may void the warranty due to physical damage.

#### Installation

- Locate battery and unhook the battery negative (-) cable.  
**WARNING: Negative (-) battery cable must be unhooked first to avoid fire hazard**
- Using the diagram as a guide, connect RGB LED light's positive wire (V+) to the positive black wire from RF controller box, and RGB light's Red, Green, and Blue wires to the corresponding Red, Green, and Blue wires from RF controller box. (Diagram 1)
- Route wires to RF controller box location and secure wires using zip ties or other wire organization methods.
- Secure the RF controller box to a safe and dry location near battery using zip ties or double sided adhesive.
- Connect single black wire to negative (-) contact of battery or any negative grounded metal part of vehicle. (Diagram 1)
- Connect the remaining red power wire with integrated fuse from the RF controller box to positive (+) contact of battery. (Diagram 1)

#### Alternate Method (Alt. Diagram 2)

- Alternately, the MFCT Mini Fuse Circuit Tap (not included) may be used. Connect the red power wire with integrated fuse from the RF controller box to the existing crimp connection on the MFCT.
- Locate vehicle fuseblock, remove any existing fuse and insert the MFCT tap.
- Install new mini fuse and reinstall original fuse in tap.

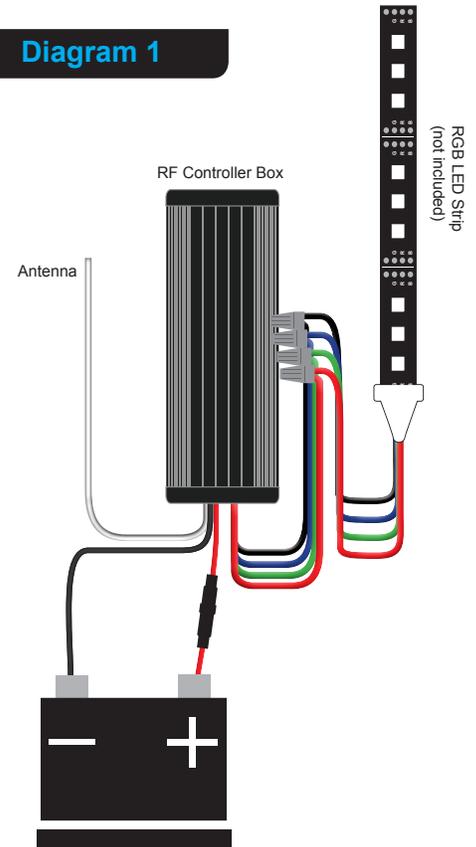
- Reconnect battery negative (-) cable and test using the key fob remote for proper installation.

### Safety

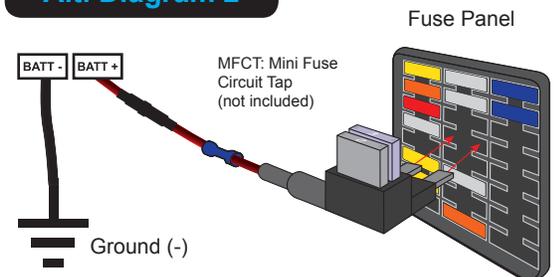
- Observe polarity, reversing controllers polarity may damage unit
- Power controller unit only from 12V DC source
- Never use with other than included 2 Amp/12 Volt fuse, do not exceed 1.5 Amp maximum load. If you are blowing this fuse, it means you have a short somewhere in your wiring. Using a larger fuse could result in a fire or damaging your lights.

MODES LIST - Button "A"		
Static Colors (15)	6. Cyan	13. Indigo
1. Red	7. Orange	14. Cool White
2. Blue	8. Magenta	15. Natural White
3. Pink	9. Lime Green	
4. Green	10. Ultra Violet White	<b>Dynamic Modes (2)</b>
5. Yellow	11. Aqua	16. All Color Instant Change
	12. Purple	17. All Color Fade

Diagram 1



Alt. Diagram 2



### Controller

Button	Functions
A	Cycle through 15 static single color and 2 dynamic modes
B	Strobe single color modes, Speed up on dynamic modes
C	Fade single color modes, Slow down dynamic modes
D	Turn strip on and off, retaining the last setting

