

# COMMON SENSE RC

THE "GO TO" GUYS IN ELECTRIC POWER

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Contact us by phone at (866) 405-8811 or by email at [support@CommonSenseRC.com](mailto:support@CommonSenseRC.com)

## RGB Color Changing Strip Installation Instructions #LED-RGB

#1



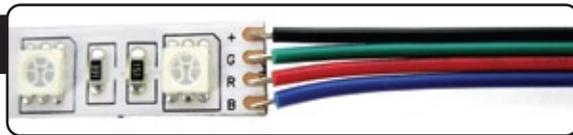
If you have purchased a strip longer than 2", you may cut those strips at any of the black lines like the one shown in the image. Make sure to cut in the middle of the contact terminals to allow enough space on each strip to attach wires.

#2



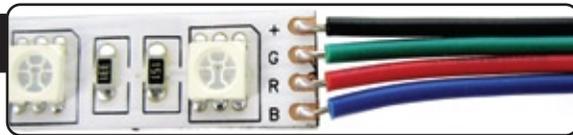
Locate the contact points at the end of your strip. These contact points are where you will solder in order to connect your light strip to your 4-pin connector (#LED-RGBCON-1). There are four (4) contact points and they are labeled + (positive), G (green), R (red) and B (blue).

#3



To connect the strip to your 4-pin connector, match the colored wires on the connector to the contact points on the strip. The black wire goes to "+", the green wire goes to "G", the red wire goes to "R" and the blue wire goes to "B". Solder the colored wires to their corresponding contact point and take care not to get solder across any two contact points as this will create a short circuit.

#4



Once your 4-pin connector is soldered to your LED strip, you can plug the 4-pin connector into your Dimmer & Flasher Controller for Color Changing LEDs (#LED-DFC-RGB) and you're ready to power your strips!

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## Color Changing LED Controller Instructions #LED-DFC-RGB

This LED Controller is designed to be used with color-changing 12V LED strips. The controller features 23 different modes and each mode has nine (9) different speed settings. It can also be set to a "static mode" where one color is displayed and there are 20 different colors to choose from.

- To turn the LEDs off, press and hold the "SPEED/BRIGHT" and "COLOR" buttons at the same time for 2 seconds. To turn the LEDs on, press the "SPEED/BRIGHT" button.
- To change the mode of the LEDs, press the top button, labeled "MODE". Each button press changes to a new mode. There are 23 modes to choose from.
- To change the speed of the mode pattern, press the middle button, labeled "SPEED/BRIGHT". There are nine (9) different speed settings.
- To set the LEDs to "static mode" (always on, no flashing, blinking, strobing, pulsing, etc.), press the bottom button, labeled "COLOR". Once you are in the "static mode" you can use the "COLOR" button to cycle through the 20 different solid colors and the "SPEED/BRIGHT" button to adjust the brightness of the LEDs. There are 8 different levels of brightness and the brightness setting will be applied to every mode. Press the "MODE" button to leave "static mode".

### Connecting the controller to LED strip:

- Use the 4-pin connector attached to the LED strip and line the arrow on it up with the arrow on the dimmer. Push both pieces together so they make solid contact and make sure all four (4) pins are connected.

Make sure to line up the arrows on the controller and 4-pin connector coming off the LED strip. The arrows are circled in red. Please note that the arrow on the 4-pin connector is normally black, but was made white for visibility in the photo



### Connecting the controller to a power supply:

- This LED Controller runs on 12V DC power only.
- The LED Controller is rated to handle up to six (6) amps.
- **DO NOT** apply a load to the LED Controller that exceeds the ratings listed above. Doing so will damage and/or break your unit

Connect this lead to the **positive (+)** terminal of a 12V power supply

Connect this lead to the **negative (-)** terminal of a 12V power supply



**Input voltage: 12V**  
**Maximum current: 6 amps**

 To power your LEDs using your 3S lipo pack, grab one of our 8" LED adapters (#LED-LEAD-8). Simply connect it to the end of the controller then connect it to the balance plug on your battery (compatible with JST-XH style balance plugs).