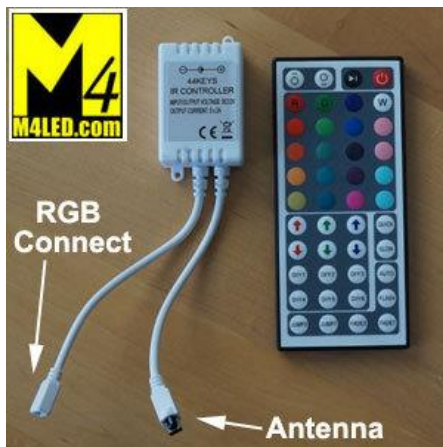


# 6 METER LED RGB COLOR CHANGING STRIP LIGHT KIT

120 Volt AC or 12v DC with extended RGB Cable for Remote Installation

NOTE: Professional installation suggested if you are not comfortable with basic wiring. Installation may also include drilling and sealing holes where necessary. M4 assumes no responsibility for any alteration or damage caused to RV during installation. If the lights are to be used as RV Awning lights, the preferred location is on the body of the RV just below where the awning is attached to the RV.



Power can be supplied with included 120v AC power adaptor (recommended method best protects system) or by 12v DC directly to the 12 volt controller/receiver unit without using the 120v to 12v transformer (must cut 12v round connector from transformer to for power). If you are using the 12 volt DC method, ensure you have good clean power to the unit, and don't use with overly aggressive battery chargers or power supplies. If you are unsure of clean power, consider a voltage driver between the RV and 12 volt controller to protect electronics.

Lights can be controlled to display one color, strobe, or cycle through colors in different patterns. Speed and brightness can be increased/decreased. Remote works in close proximity to control unit so you can't accidentally change your neighbor's lights. Mount controller in a dry area with antenna exposed.

LED Strips can also be cut to length if necessary every 3 LED chips (with power off, cut at copper pads in half on light strip).

To Install:

- Layout and temporarily connect the system together to test function before permanently installing.
- The polarity of the 4 wire RGB connector between the light strip and controller/receiver must be correct. Connect cables so the arrows on the ends



of the cable match each other, and arrow on cable that attaches to RGB cable points to 12v+ side of the RGB light strip. If the RGB function does not work, try disconnecting the RGB cable at one end and reverse the connection until the RGB lights work properly.

- A small pin based male–male interconnector is included to connect the white RGB extension cable to the controller/receiver.
- RGB Strip needs to be installed on a clean smooth hard surface. To install the RGB strip, clean the surface where the lights will stick several times, use wax stripper, alcohol, or window cleaner as necessary. When necessary, a small dab of clear RTV over the ends of the strip after it is in place can help reduce lifting.
- The controller/receiver must be installed in a dry location that is also in eye–site of the remote control. The small wire off the controller/receiver is the receiving antenna for the remote.
- Permanently run the white RGB extension cord from the RGB strip light to the controller. Use electrical tape or shrink tubing (not included) over both end connections of this cord to keep it securely connected and to keep the connections dry. Drill holes where necessary to run the cord and seal with clear RTV.
- Connect the 120v/12v power transformer to the controller, then plug into a 120v plug. Alternatively you can power the controller/receiver directly from 12 volts without the transformer by cutting the lead from the transformer. Ensure you use a 10A fuse in the circuit if using this method and that the polarity is correct.