



Installation Instructions

for the **RGB M3 RF System**



#RGB-RF-CONT-M3
#RGB-RF-AMP-M3

RGB M3 RF Receiver

Parts Needed

x1 or More RGB Hardwire Connectors*
x1 24V DC Electronic Driver*
x1 or More Runs of RGB Tape Light*

Tools Needed

x1 Mini Flathead Screwdriver
x1 Phillips Head Screwdriver
x1 Wire Strippers

*Items sold separately.



IMPORTANT! ENSURE ALL AC POWER HAS BEEN SHUT OFF BEFORE PERFORMING THIS INSTALLATION!



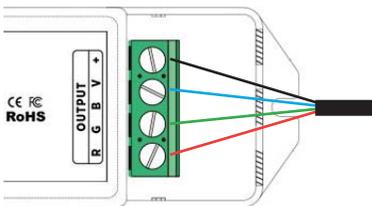
1

Remove both caps from the ends of the receiver with a Phillips head screwdriver.



2

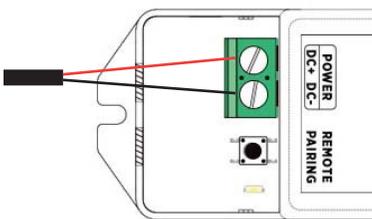
Using the stripped wires of the RGB Hardwire Connector, match each color wire with its corresponding terminal. Use the “R” terminal for the red wire, the “G” terminal for the green wire, the “B” terminal for the blue wire, and the “V+” terminal for the gray (or black) wire. Screw down each terminal using a small flathead screwdriver to secure each wire.

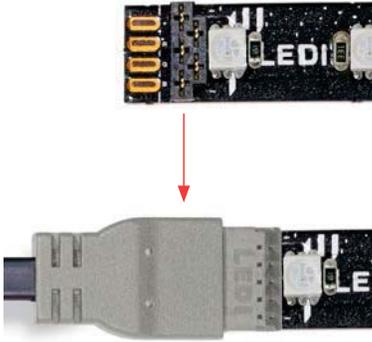


Tip: You may have multiple RGB Hardwire Connectors running to the receiver. Ensure the wires fit properly into their corresponding terminals, and do not overcrowd the terminals with wiring. A junction box may be used before wiring the RGB Hardwire Connectors to the receiver to limit the number of wires in the terminals.

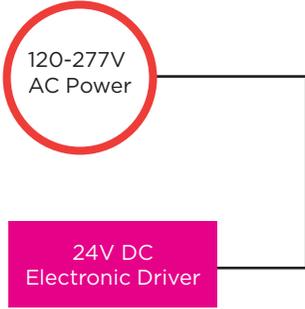
3

Wire the positive (+) and negative (-) wires from your 24V DC Electronic Driver to their corresponding terminal. Screw down each terminal using a small flathead screwdriver to secure each wire.





5 Connect your RGB Hardwire Connector(s) to your run(s) of RGB tape light.



6 Wire your 24V DC Electronic Driver to your AC power line.



7 With your RF Controller in hand, pull the tab protruding from the battery slot to activate the controller.



Push the power button on the controller to power the receiver.

8 Tip: If the lights do not seem to come on, first try turning the brightness up on the RF controller. If that does not work, power down the system, ensure your AC power is turned off, and check over your connections. If additional assistance is needed, please contact LEDI's Design Department at (832) 717-2710.

For instructions on how to use the RGB M3 RF Controller, please see page 6.

RGB M3 RF Amplifier



The RGB M3 RF Amplifier is used to extend a run of RGB tape light. This is an additional unit that is sold separately and is only required if you need to extend a run of RGB tape light past its maximum run length.

Parts Needed

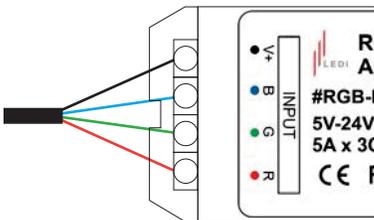
x1 or More RGB Hardwire Connectors*
x1 24V DC Electronic Driver*
x1 or More Runs of RGB Tape Light*

Tools Needed

x1 Mini Flathead Screwdriver
x1 Wire Strippers

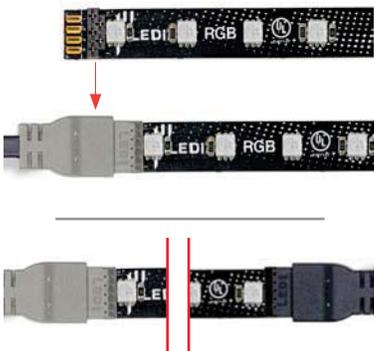
*Items sold separately.

IMPORTANT! ENSURE ALL AC POWER HAS BEEN SHUT OFF BEFORE PERFORMING THIS INSTALLATION!



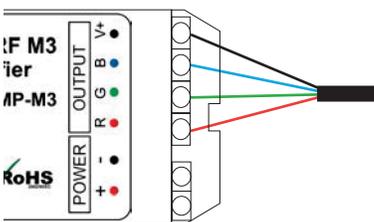
1

Using one of the RGB Hardwire Connectors, wire the stripped ends of the connector to the INPUT side of your RGB RF M3 Amplifier. Use the “R” terminal for the red wire, the “G” terminal for the green wire, the “B” terminal for the blue wire, and the “V+” terminal for the gray (or black) wire. Screw down each terminal using a small flathead screwdriver to secure each wire.



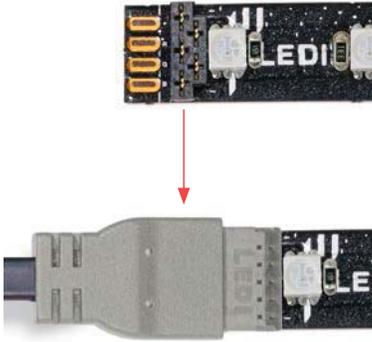
2

Connect the RGB Hardwire Connector from Step 1 to the end of your RGB tape light run connected to your RGB M3 RF Receiver (opposite the end that already has an RGB Hardwire Connector attached). You should now have an RGB Hardwire Connector attached at each end of your RGB tape light run.

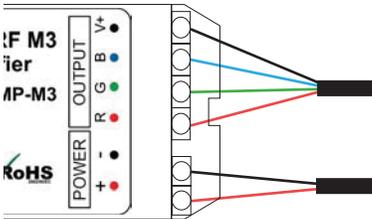


3

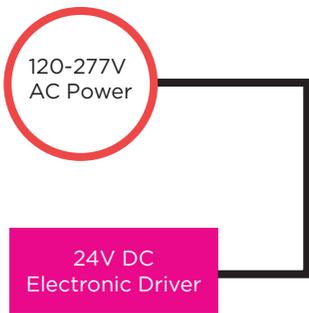
Using another RGB Hardwire Connector, wire the stripped ends of the connector to the OUTPUT side of your RGB RF M3 Amplifier. Use the “R” terminal for the red wire, the “G” terminal for the green wire, the “B” terminal for the blue wire, and the “V+” terminal for the gray (or black) wire. Screw down each terminal using a small flathead screwdriver to secure each wire.



4 Connect the RGB Hardwire Connector from Step 3 to your new run of RGB tape light.



5 Wire the positive (+) and negative (-) wires from your 24V DC Electronic Driver to their corresponding terminal. Screw down each terminal using a small flathead screwdriver to secure each wire.



6 Wire your 24V DC Electronic Driver to your AC power line.

ATTENTION

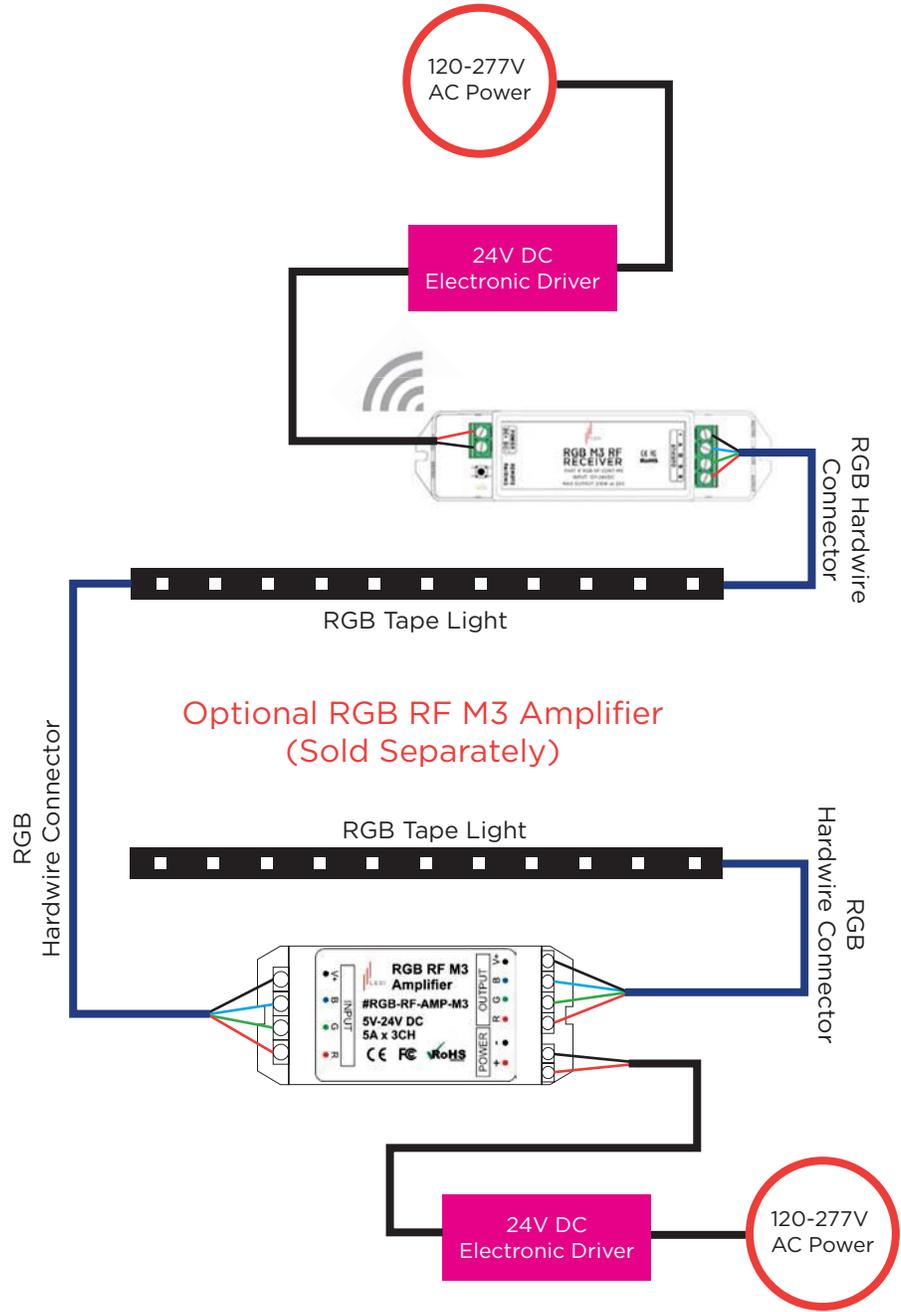
1. This product should be installed and serviced by a trained professional.
2. This product is NOT waterproof and is intended for an indoor and dry environment only.
3. Please ensure all output voltages comply with the working voltage of this product.
4. Please ensure the appropriately sized wire is used from the RGB M3 RF Receiver/RGB M3 RF Amplifier to other compatible components.
5. Please do not attempt any modifications or repairs on this product. If a replacement unit is needed, please contact LED1 at (832) 717-2710.
6. This product has a 5 year limited warranty from the purchase date.

Complete System Wiring Diagram

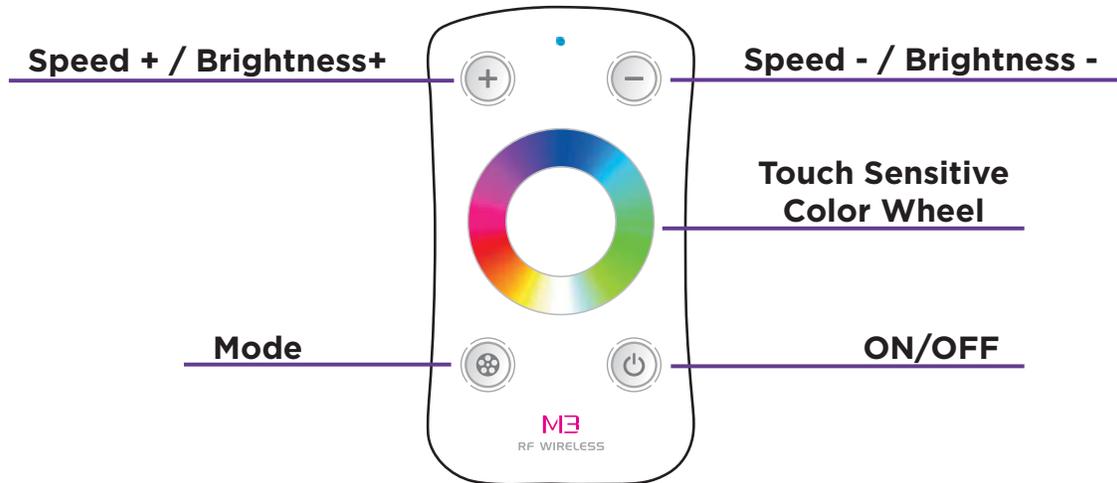
for the **RGB M3 RF System**



RGB M3 RF Controller



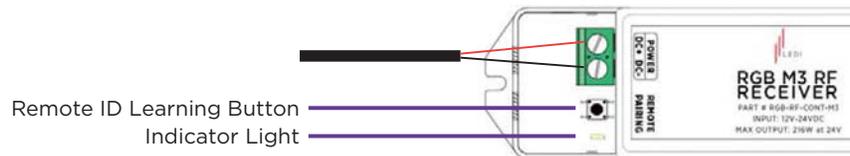
How to Use the RGB M3 RF Controller



Tip: The RGB M3 RF Controller will go into standby mode if unattended for more than 30 seconds. Touch any of the four keys to wake the controller.

Pairing the Controller to the Receiver

To pair the RGB M3 RF Controller to the RGB M3 RF Receiver, press and hold the “Remote ID Learning Button” on the receiver until the indicator light turns on. Once the indicator light has turned on, press any key on the controller. The indicator light will then flash, letting you know the controller has been successfully paired with the receiver. To unpair the controller from the receiver, press and hold the “Remote ID Learning Button” for five seconds.



Preset Scenes

The RGB M3 RF Controller offers 11 preset scenes. To cycle through these preset scenes, simply press the “⊗” (Mode) key until you find the desired effect. All scenes may have both their speed and brightness adjusted. See below for the number and scene name for each available preset scene.

RGB M3 RF Controller Preset Scenes	
1 Static Red	7 Static White
2 Static Green	8 Red/Green/Blue Cycle
3 Static Blue	9 7-Color Cycle
4 Static Yellow	10 Red/Green/Blue Fade
5 Static Purple	11 Rainbow Fade
6 Static Cyan	

User Defined Static Colors

To select a static color of your choosing on the RGB M3 RF Controller, simply press the “⊗” (Mode) key until you find one of the seven static colors available from the preset scenes (above). Once you’ve landed on a static color, use the Touch Sensitive Color Wheel to scroll to your desired color.