

RGB COLOR CHANGING MULTI-ZONE LED Remote Control & Receiver

INTRODUCTION

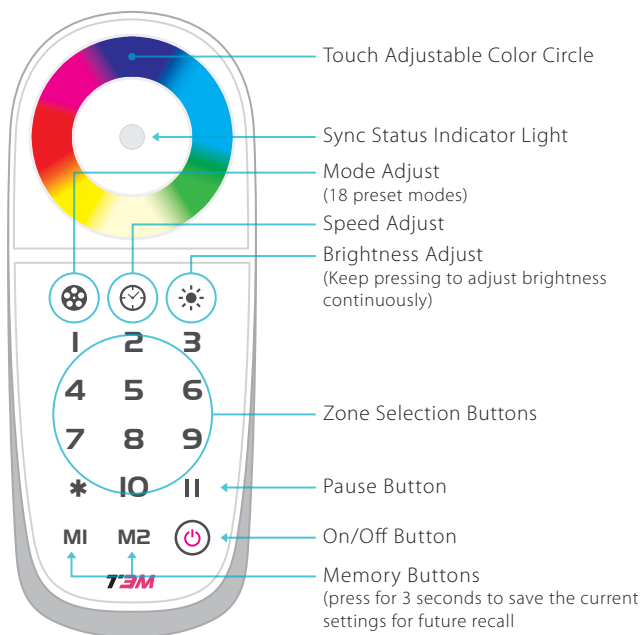
The Multi-Zone remote control and receiver combo for RGB strip lights uses the most advanced RF wireless transmission technology. The system consists of two parts: the handheld remote control and the in-line receiver.

The remote control can be synced with multiple receivers in up to 10 separate zones, and these zones can be controlled either separately or all at once. Featuring 18 built-in changing modes, the remote control allows you to pause on one color, cycle through a variety of colors, create and memorize themes, and/or alter the light intensity (brightness).

SAFETY AND WARNINGS

- Install in accordance with the National Electric Code, and local regulations.
- This product should be installed and serviced by a qualified electrician.
- Do not connect directly to high voltage 120V AC power.
- This product is rated for indoor installation and is not protected against moisture.
- Proper heat dissipation will prolong the working lifespan of this product. Install in a well ventilated area.
- Only install compatible LED drivers and fixtures. Contact Technical Support or visit the product page for compatible accessories.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc). Inadequate wire installation could overheat wires and cause fire.
- Utilize the wiring diagrams in this installation guide for basic setups.

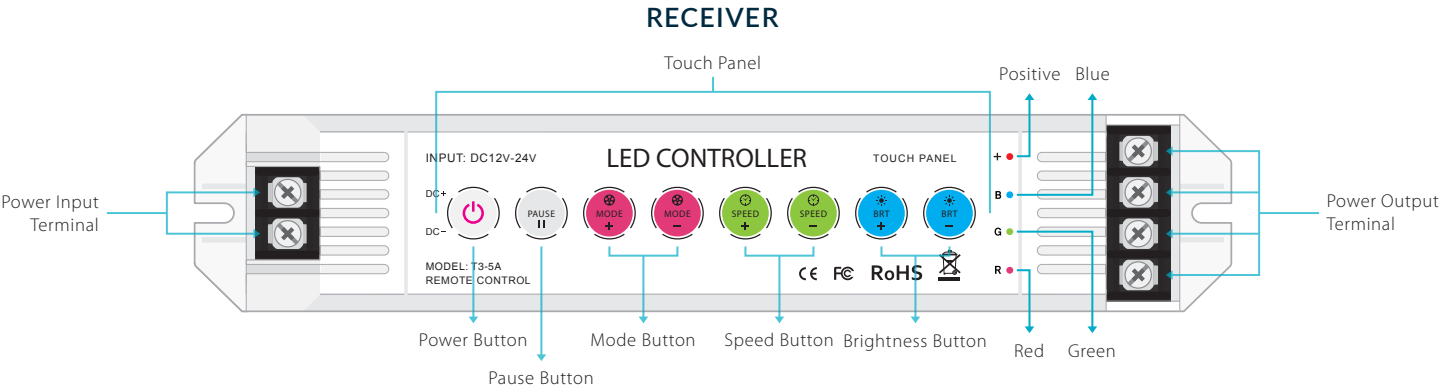
REMOTE CONTROL



Details

SKU:	RGB-MZ-CTRL
Working Voltage:	5V (Built-in lithium battery)
Working Frequency:	2.4GHz
PWM Frequency:	2000Hz
Max. Signal Range:	98ft (30m)
Working Temp:	-22°F ~ 131°F (-30°C ~ 55°C)
Dimensions:	H: 5 3/4" (146mm) W: 2 1/4" (56mm) D: 7/8" (22mm)*
Weight:	7oz (200g)
Warranty:	5 years

*Comes with a wall mount for easy storage



Details

SKU:	RGB-MZ-RCVR	Working Temp:	-22°F ~ 131°F (-30°C ~ 55°C)
Input Voltage:	12V-24V DC	Dimensions:	H: 8 1/4" (211mm) W: 1 5/8" (40mm) D: 1 3/16" (30mm)
Max Current Load:	5A x 3CH	Weight:	6.4oz (180g)
Max Output Power:	12V: 180W, 24V: 360W	Warranty:	5 years

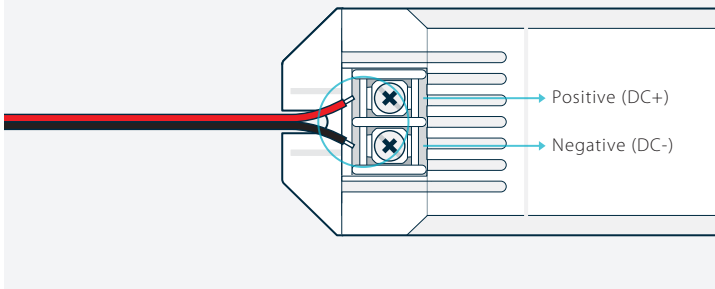
YOU'LL NEED

<p>Small flat-head screwdriver (4mm)</p>	<p>Wire strippers or scissors</p>	<p>4-wire stranded low voltage wire for extended runs (consult an electrician for wire gauge advice)</p>
<p>Low voltage non-dimmable power supply</p>	<p>ColorBright™ RGB LED strip</p>	<p>Remote control & receiver</p>

INSTALLATION

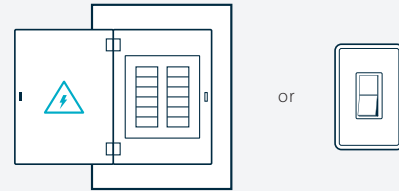
Always pre-test your LED setup prior to permanent installation. This will ensure all components work correctly. Be sure to check the amperage rating of the LED strip you've purchased so the receiver isn't overloaded (max 5 amps per channel). Turn off the main AC breaker for the line you'll be using before installing your low voltage power supply. If you experience any issues at all with your test set up, please be sure to contact us at After Sales Support.

1.



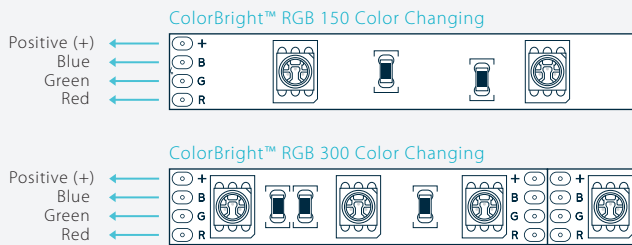
Loosen the Power DC+ and DC- screws and insert the red wire from your low voltage non-dimmable power supply in the DC+ channel and secure the screw. Then insert the black wire from the power supply in the DC- channel and secure the screw.

2.



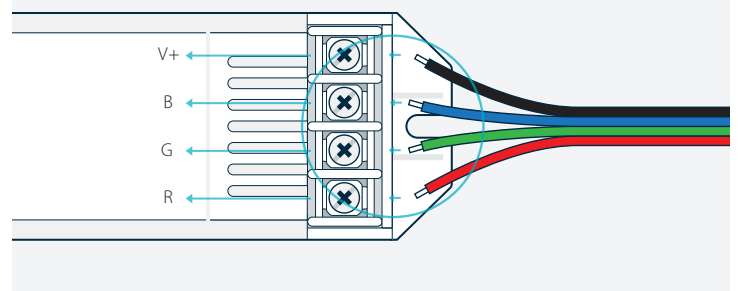
Turn the main breaker for the AC line back on to power your non-dimmable power supply.

3.



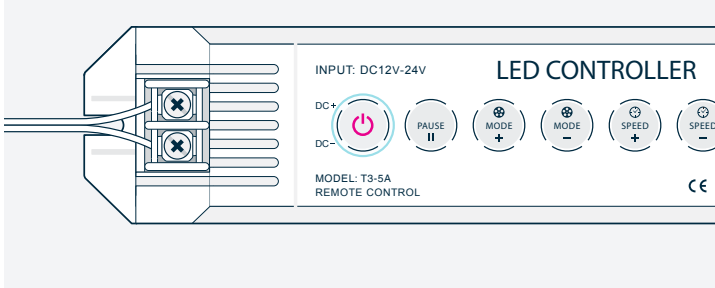
Look at your LED strip carefully and identify the positive (+), R, G, and B channels.

4.



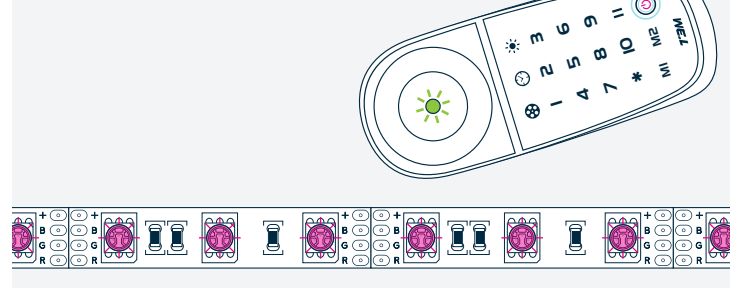
Loosen the Output +, B, G, and R screws. Then connect the + wire from the LED strip to the V+ channel in the receiver and secure the screw. Do the same to match the rest of the wires to their respective channels.

5.

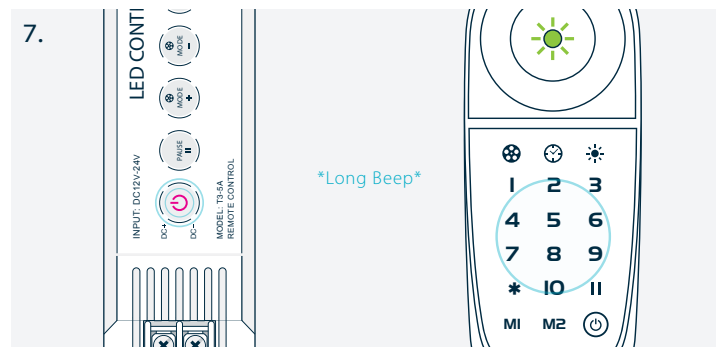


Press the Power Button on the receiver, the LED strip will turn on.

6.

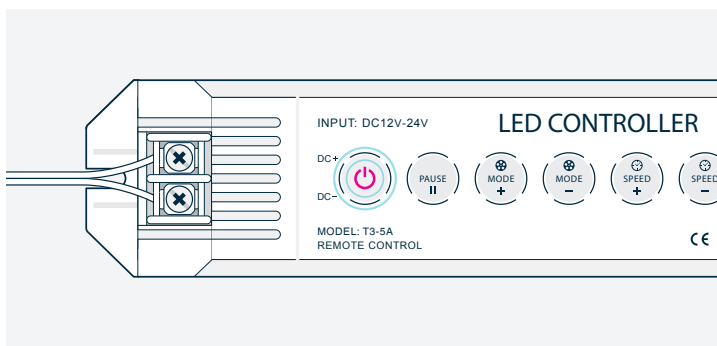


Press the Power Button on the remote control, the sync status indicator light and the LED strip will turn on.



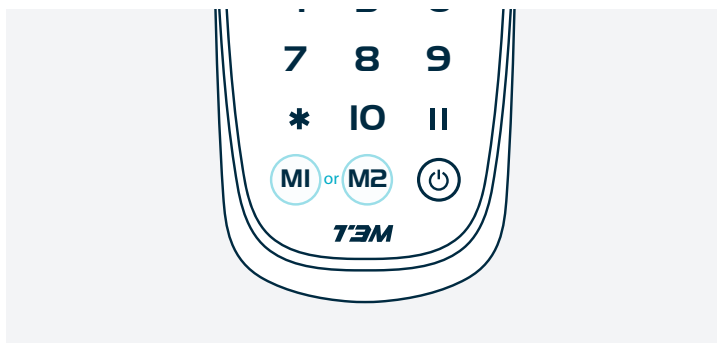
Press and hold the power button on the receiver, you will hear a short beep after about 3 seconds, continue pressing the power button and press the number on the remote you wish to assign to that receiver (1-10) simultaneously. The Sync Status Indicator light will flash green 3 times. The remote is synced.

ADDITIONAL FEATURES



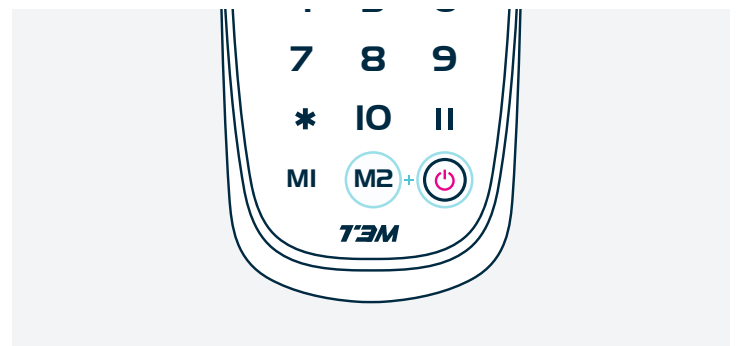
Reset The Receiver

Press and hold the power button on the receiver. You'll hear the short beep after about 3 second. Continue pressing the power button until you hear a second long beep. The receiver is unsynced.



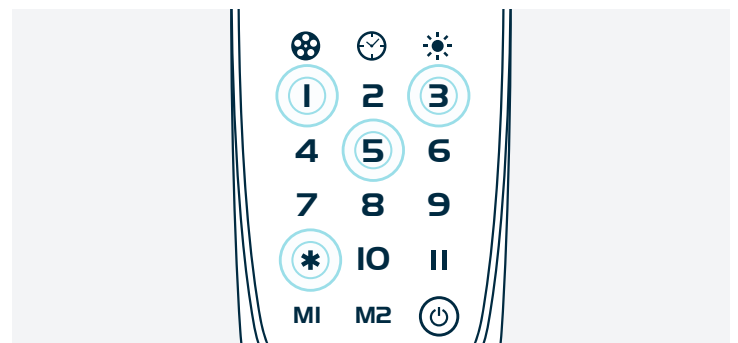
Memory Buttons

Holding M1 or M2 (Memory 1 or Memory 2) for 3 seconds will save the current mode to a memory button. To indicate a Saved memory the receiver will long beep and the Sync Status Indicator Light will flash 3 times.



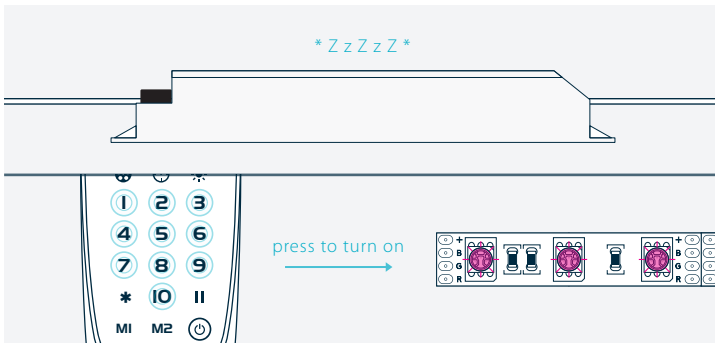
Reset The Remote

In case the remote acts abnormally, simply long press M2+Power button simultaneously until the remote turns off (about 3 seconds). The remote is reset, you can turn it back on.



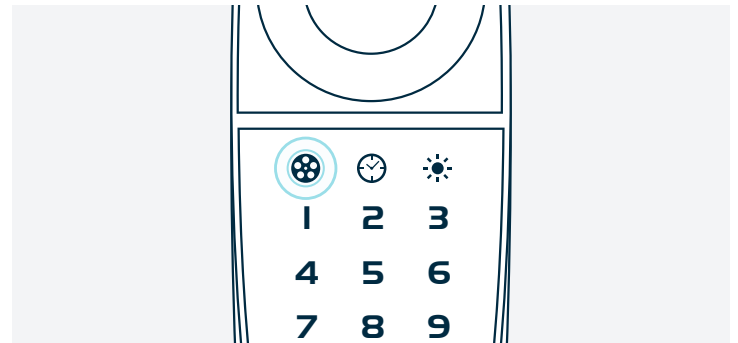
Control Multiple Zones

You can control several receivers simultaneously (ie: zones 1, 3 and 5). Press "*" + zones you wish to control + "*" (*135*) This will let you control all 3 zones at the same time. To control all your receivers at the same time press "*" twice. You can also add unlimited receivers to one zone (ie: Zone 1 can have 10 receivers all controlled simultaneously).



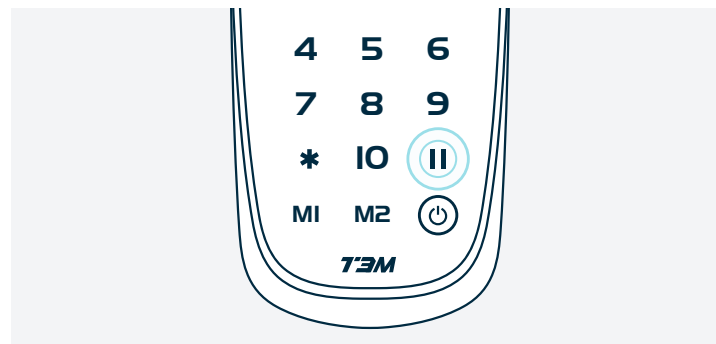
Turn On Inactive Receivers

When a receiver has been inactive and you wish to turn it on without tuning all other zones on/off simply press the zone (1-8) you wish to activate to light that setup.



Preset Modes

This remote comes with 18 preset modes which you can scroll through from the remote or the receiver with the Mode Button. Press and hold the Mode Button until it beeps to reset the modes to mode 1 speed 5. You'll find the modes in the following table.



Pause Preset Modes

Pause on any color or mode from the receiver or remote by pressing the Pause Button. Additionally, press and hold the Pause Button for about 3 seconds to turn the beep sound on/off.

PRESET MODES

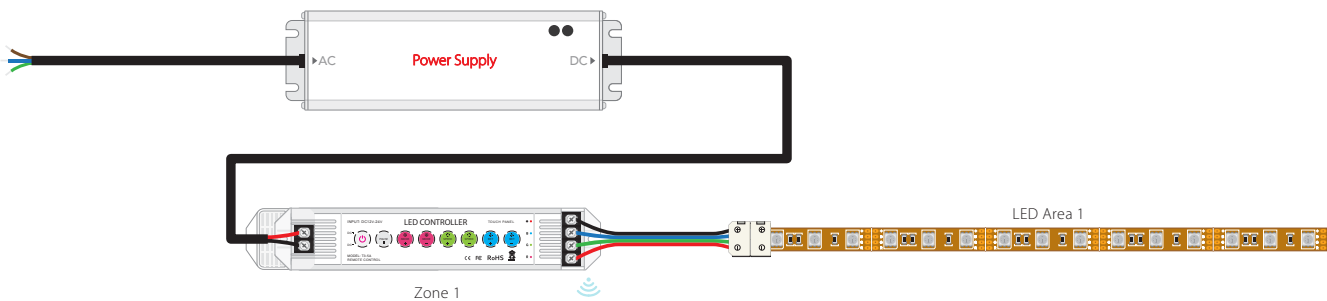
1	3 Color jump	10	Green/Cyan fade
2	7 Color jump	11	Blue/Purple fade
3	White flash	12	Green/Yellow fade
4	7 Color flash	13	Blue/Cyan fade
5	RGB fade in/out	14	Red/Purple fade
6	Red/Green fade	15	Blue/White fade
7	Red/Blue fade	16	Yellow/Purple/Cyan fade
8	Green/Blue fade	17	RGB fade
9	Red/Yellow fade	18	Full-color fade

REMOTE CONTROL CHARGING

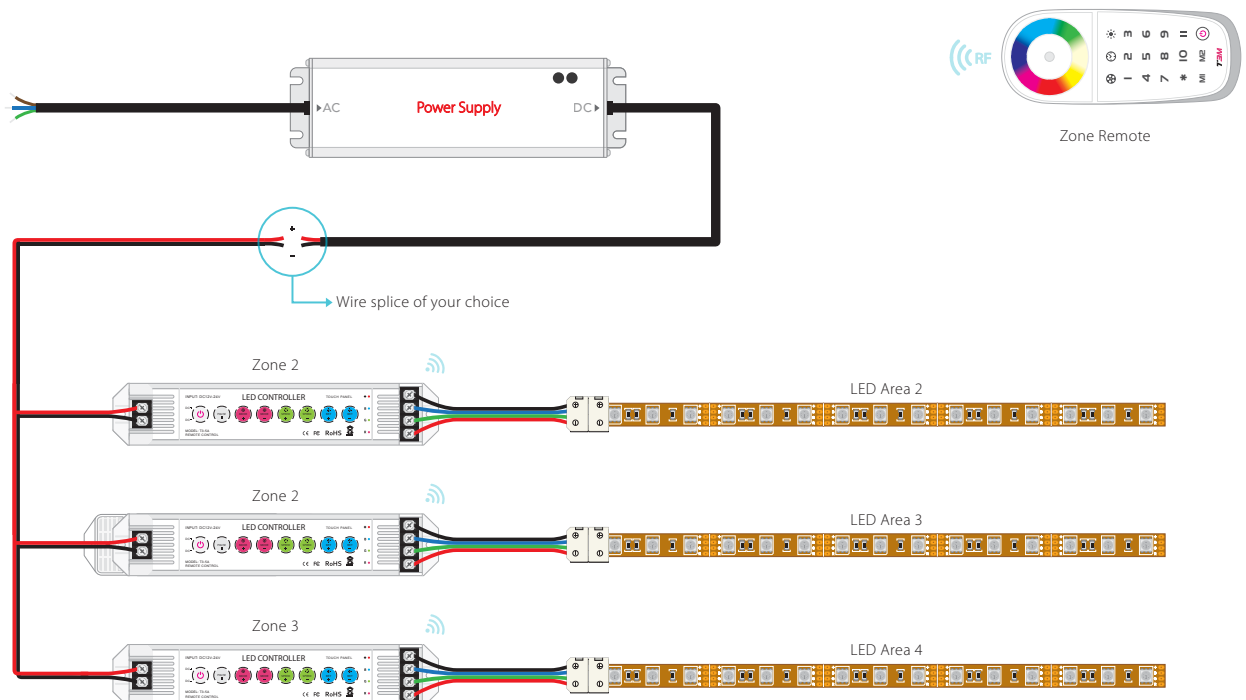
1. To charge the remote control, connect the mini USB cable to the remote and the opposite end of the cable to a regular USB port (computer or USB charger).
2. The LED indicator on the remote will flash to show that the remote is charging. If the remote is turned off, however, the indicator will not flash.
3. When the battery is fully charged, the LED light will remain static.
4. The rechargeable battery in the remote does not have a "memory" so no special care is needed when charging.
5. When not plugged in with the charge cable, the LED indicator on the remote will flash to show that the battery is low and will need to be charged soon.
6. Do not allow the battery to become fully discharged. When the remote tells you the battery is low, it is a good idea to charge it.
7. When storing the remote for long periods of time, it's a good idea to leave it fully charged. Be sure to fully charge the battery at least every 3 months to extend its lifespan.

WIRING DIAGRAM

1. Single Receiver wiring



2. Multiple Receiver wiring



TROUBLESHOOTING

- If your lights are not turning on or flickering:

- Make sure the polarity of the power supply wires match the polarity of the terminals on the Power Input Terminal.
- If the polarity from the power supply matches the Power Input Terminals, check the polarity on the Power Output side. Make sure you have matched the +, R, G and B markings on the LED strip to the channels on the receiver.
- Make sure all the connections (solderless connectors, solder joints, terminal blocks and spliced wires) are secure and making correct contact.
- Check that you have a compatible power supply, low voltage non-dimmable power supply that is big enough to handle the load of the LED strips you're using.

- If you're missing colors or they don't match:

- Check the connections on the Power Output (LED side) of the receiver, the black, red, green, and blue wires need to match the letters on each of the channels +, B, G and R. Make sure the wires are properly stripped and contact in the screw terminals is done on the metal wire and not on the plastic insulation.
- If you've soldered the connections, make sure none of the solder points are touching each other, this will make the the channels that are touching work simultaneously.
- If you're using solderless connectors apply pressure on the connector. If the issue is resolved with pressure change that connector, it could be faulty.
- Make sure you follow the letters on the LED strip throughout your setup when cutting the strip to avoid changing the color from one section to another.

- If you can't sync the receiver with the remote:

- Revise the sync instructions above to sync, assign zones and reset the receiver or remote.

WARRANTY

Limited Warranty on Purchased Items:

All products sold by Flexfire LEDs and shipped within the 50 United States, Canada, and Mexico come with a limited warranty. This limited warranty does not include product failures that are the result of:

1. Not using a voltage regulated driver to connect the LED product or controls;
2. Connecting LED products to the wrong Output Voltage;
3. Improper connection of drivers, LED products, or controls;
4. Connecting LED products or controls directly to any AC power source;
5. Connecting drivers backwards to an AC power source;
6. Using products in an extremely hot or cold environment and/or without adequate ventilation as overheating will cause the LEDs and transformers to fail more quickly;
7. Water damage to products not specifically sold as waterproof products;
8. Electrical power surges;
9. Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disaster;
10. Damage caused by a vehicle or other accident;
11. Damage caused when transporting the item;
12. Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs.

This limited warranty also expressly excludes coverage for excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repair or warranty service performed by someone other than Flexfire LEDs will void this warranty. Buyer is responsible for the safe transport of any item sent to Flexfire LEDs for warranty service.

If you have an item you believe to be faulty, contact Flexfire LEDs immediately and request tech support. You may be required to provide photos, videos, and/or descriptions of the item(s) not performing properly. It is Flexfire LEDs goal to troubleshoot thoroughly to eliminate any unnecessary time or hassle on behalf of the customer. Failure to comply and provide the information requested by Flexfire LEDs will result in a void of warranty.

If a product is deemed faulty by a technician/representative, then a return shipping label and a Return Merchandise Authorization (RMA) form will be sent out immediately. Once Flexfire LEDs receives the product, we will test the item(s) to better understand where the fault in the product lie(s).

Flexfire LEDs will NOT provide replacement items before the original items have been returned, tested, and deemed faulty. If you need a replacement item while the return process is taking place, then you can repurchase that item. Once the testing process is complete and assuming the product is faulty, a refund will be issued for the purchase price of the product. Flexfire LEDs will not refund shipping costs on replacement items

If the product is found to be working properly and the error lies in the installation, or with other non-Flexfire LEDs products being used, then the product will be returned to the customer via our standard shipping method paid by the customer. If the customer has paid for a replacement item while the return process is being processed and the original product is found to be working properly, then the customer will receive the original product back and no refund.

Buyer's sole right under this warranty is for repair or replacement of the defective item.

This warranty is not transferable and applies only to the original purchaser of such items, provided that products purchased from an authorized Flexfire LEDs reseller will also include the above limited warranty. Proof of purchase may be required.

Warranty Period:

In the event of a product defect or malfunction, Flexfire LEDs will cover the cost of the return shipping. This is only valid during the product's warranty period stated by Flexfire LEDs. In this case a prepaid shipping label will be issued to the client via our standard shipping method.

- If the item is faulty, Flexfire LEDs will ship out a replacement at no charge.
- If the item is not faulty (still works), the client will need to pay for the shipping to get the product back to them.