

COLOR CHANGING + WHITE M8 LED Remote Control & Receiver

INTRODUCTION

The M8 remote control and receiver for RGBW LED strip lights uses the most advanced RF wireless transmission technology. The system consists of 2 parts: the handheld remote control and the in-line receiver.

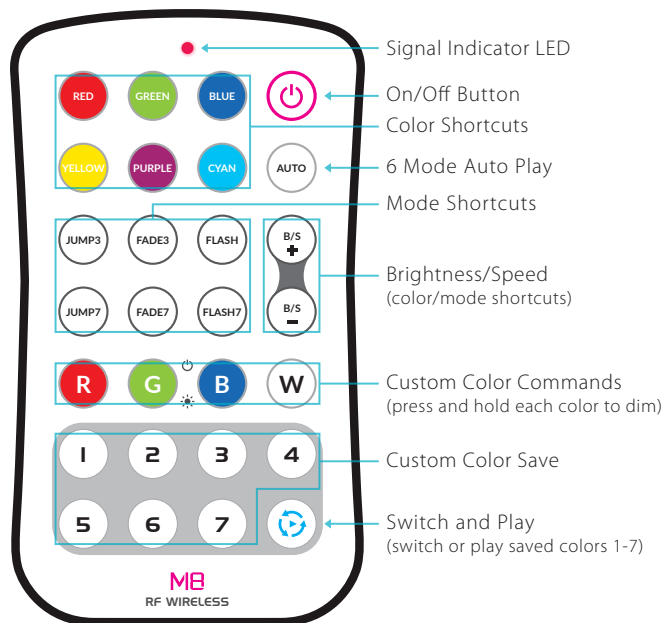
Featuring a fully programmable remote control which allows you to quickly choose red, green, blue or white, cycle through 6 preset colors, 6 preset modes, create and save color schemes and alter the brightness of your strips. In addition, it includes a wall mount to easily place the remote control on a nearby wall.

This unit is compatible with any of the Flexfire LEDs RGB+W LED strip light.

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



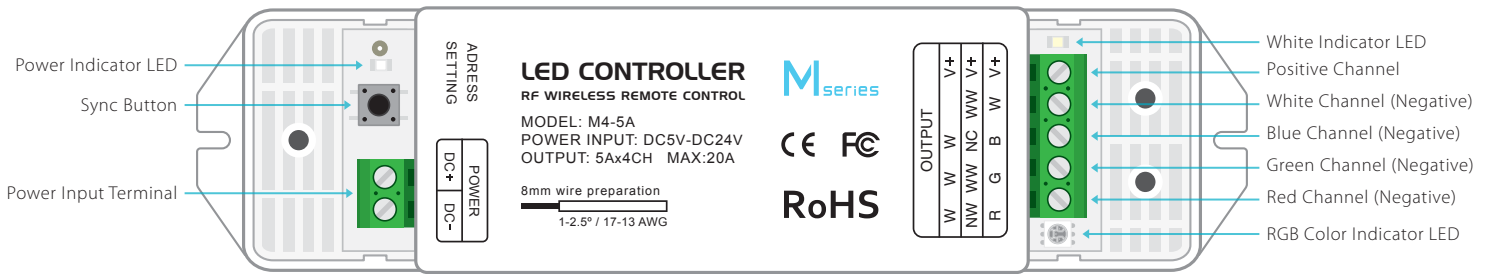
Details

SKU:	RGBW-CTRL-M8
Working Voltage:	3V (CR2032 battery)*
Working Frequency:	433.92MHz
Max. Signal Range:	130ft (40m)
Working Temp:	-4°F ~ 131°F (-20°C ~ 55°C)
Dimensions:	H: 4 1/4" (104mm) W: 2 5/16" (59mm) D: 3/8" (9mm)**
Weight:	1.48oz (42g)
Warranty:	2 years

*Replace with CR2032 battery (Standard watch battery from local hardware store)

**Comes with a wall mount for easy storage

RECEIVER



Details

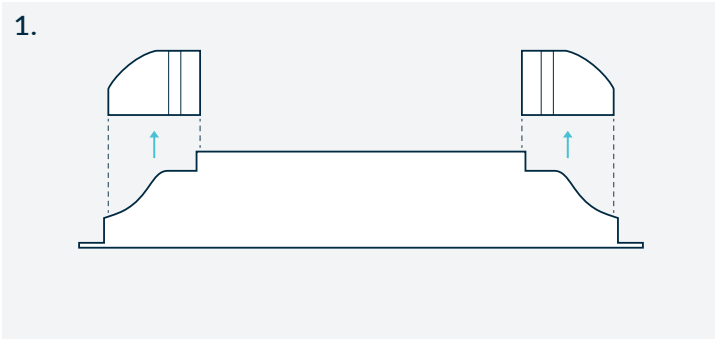
SKU:	RGBW-CTRL-M8	Working Temp:	-22°F ~ 131°F (-30°C ~ 55°C)
Input Voltage:	5V-24V DC	Dimensions:	H: 6 15/16" (176mm) W: 1 3/4" (45mm) D: 1 3/16" (30mm)
Max Current Load:	5A x 4CH	Weight:	4.23oz (120g)
Max Output Power:	12V: 240W, 24V: 480W	Warranty:	2 years

YOU'LL NEED

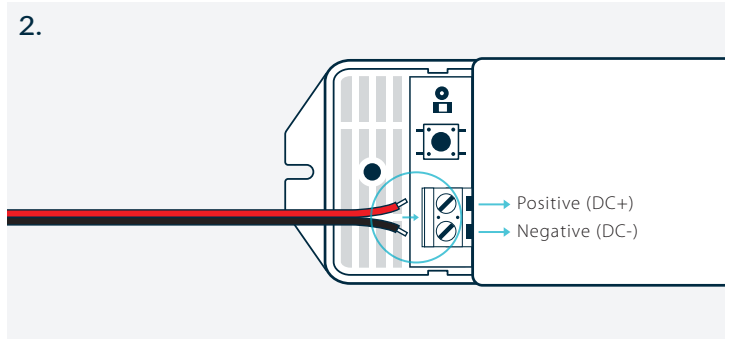
Small flat-head screwdriver (4mm)	Wire strippers or scissors	5-wire stranded low voltage wire for extended runs (consult an electrician for wire gauge advice)
Low voltage non-dimmable power supply	ColorBright™ RGBW LED strip	Remote control & receiver

INSTALLATION

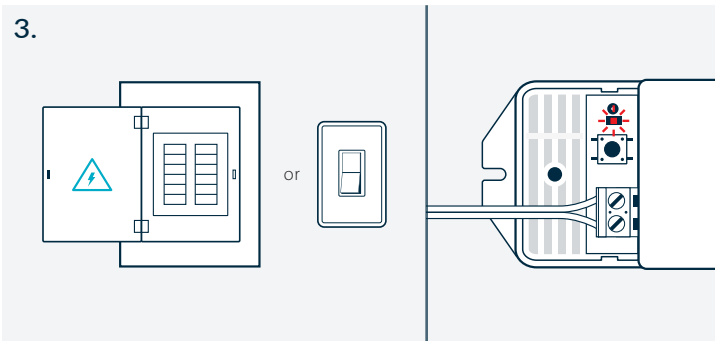
Always pre-test your LED setup prior to permanent installation. This will ensure all components work correctly. Be sure to check the amperage rating of the LED strip you've purchased so the receiver isn't overloaded (max 5 amps per channel). Turn off the main AC breaker for the line you'll be using before 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.



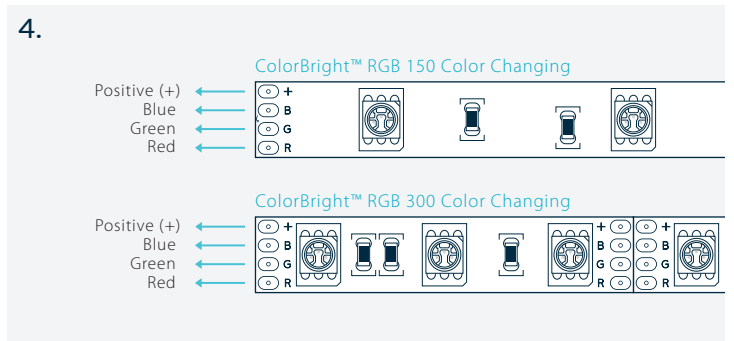
Unscrew the left and right cover plates on the receiver. This will expose the Input and Output Power Terminals.



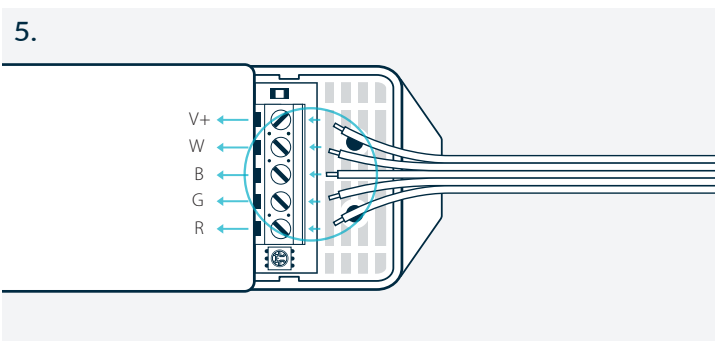
Loosen the Power DC+ and DC- screws and insert the black wire from your low voltage non-dimmable power supply in the DC- channel and secure the screw. Then insert the red wire from the power supply in the DC+ channel and secure the screw.



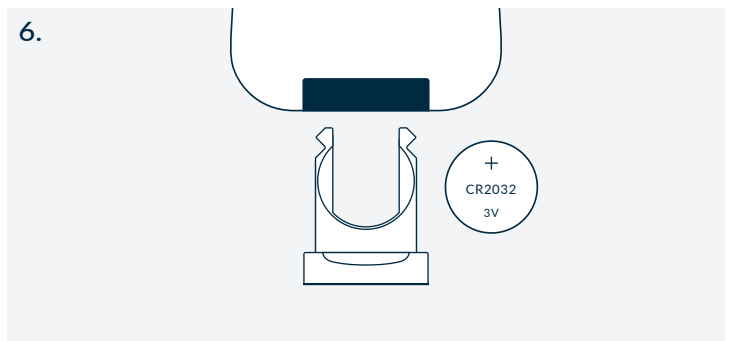
Turn the main breaker for the AC line back on to power your non-dimmable power supply. The red Power Indicator LED on the receiver will start flashing slowly demonstrating that it's getting power.



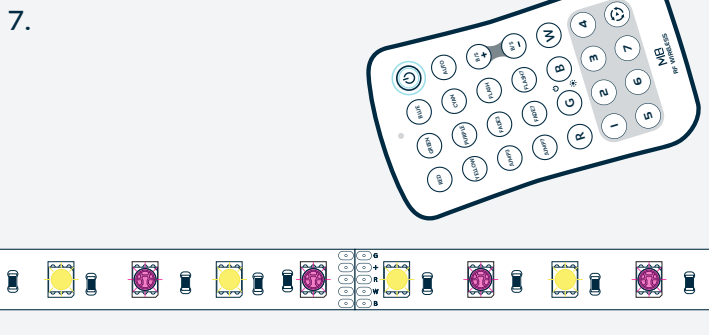
Look at your LED strip carefully and identify the positive (+), R, G, B and W channels.



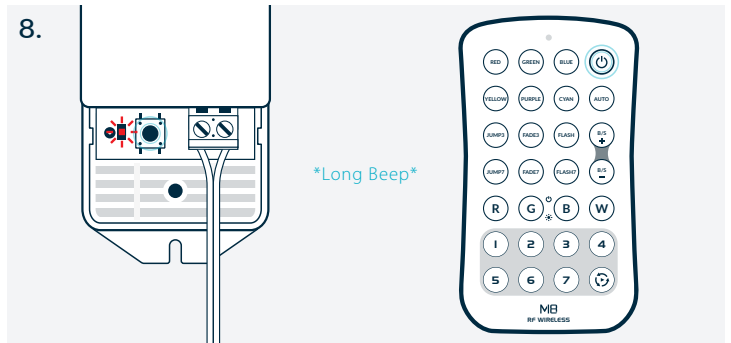
Loosen the Output V+, R, G, B, and W screws. Then connect the + wire from the LED strip to the V+ channel in the receiver and secure the screw. Do the same to match the rest of the letters to their respective channels.



Open the tray on the back of the remote and make sure the battery doesn't have the protective plastic.

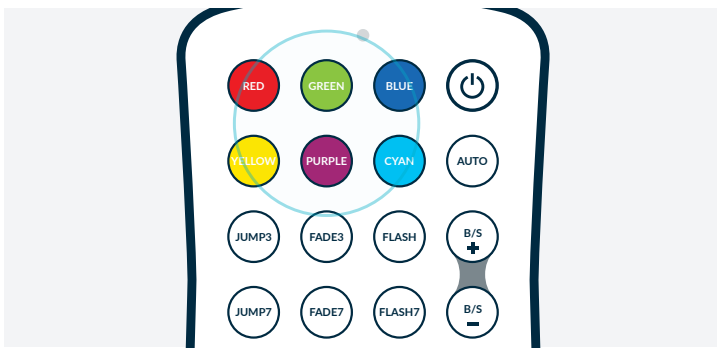


Press the Power Button on the remote control, the LED strip will turn on.



Press the black Sync Button on the receiver once and the the Power Indicator LED will remain static, then quickly press any button on the remote and the Power Indicator LED will flash faster then continue flashing at a slower pace as before. The remote is synced. (To reset the receiver and try again, press and hold the sync button until it beeps twice (about 10 seconds). The receiver is reset)

ADDITIONAL FEATURES



Preset Colors

There are 6 preset colors on the remote, Red, Green, Blue, Yellow, Purple and Cyan. Use the B/S+ or B/S- to control the brightness for these preset colors.



Preset Modes

There are 6 preset modes on the remote, Jump3, Fade3, Flash, Jump7, Fade7 and Flash7. Use the B/S+ or B/S- to control the speed for these preset modes . Use the AUTO button to scroll through all the preset modes.



Create A Custom Color

The R, G, B and W buttons are used to adjust the brightness on the red, green, blue and white channels independently. Simply press and hold each relative button to create any color and brightness desired. Then save by pressing and holding the number (1-7) you'd like to save the color to for 2 seconds. In the future simply quick press the number it was saved to access the color you created.

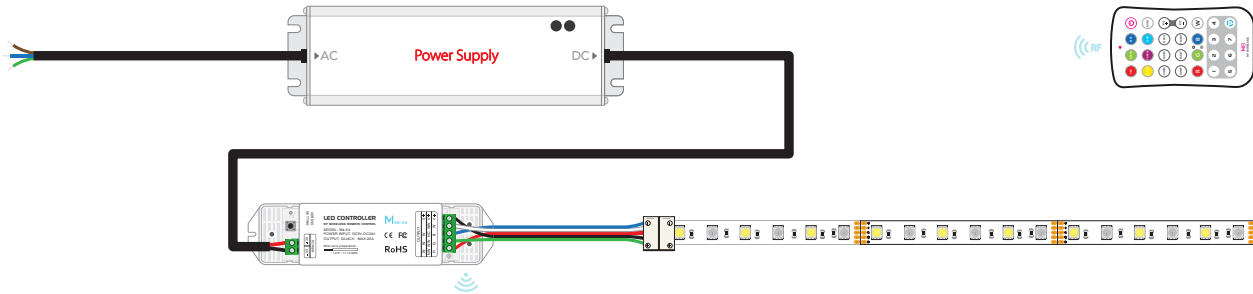


Scroll Through Your Custom Colors

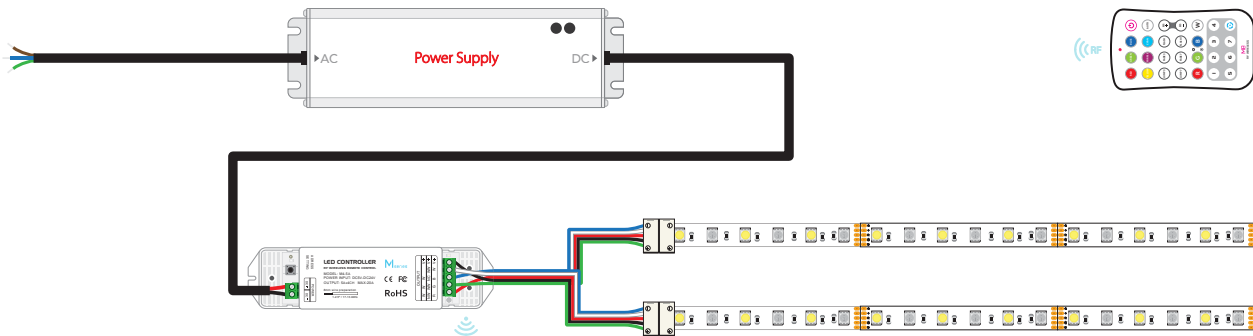
Use the Switch and Play button to scroll through your custom colors saved in 1-7 by pressing and selecting the mode you wish the colors to go through (Jump, Fade or Flash).

WIRING DIAGRAM

1. In Series Wiring



2. Parallel Wiring



TROUBLESHOOTING

- If your lights are not turning on or flickering:

- Check that the red Power Indicator LED on the Power Input side of the receiver is flashing. If it's not flashing the receiver isn't getting power, make sure the polarity of the power supply wires match the polarity of the channels on the Power Input Terminal.
- If the red Power Indicator LED on the Power Input side is flashing normally, check the polarity on the Power Output side. Make sure you have matched the 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 are using.

- If you are missing color temperatures 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 V+, 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 have soldered the connection, make sure none of the solder points are touching each other, this will make the the channels that are touching work simultaneously.
- If you are 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 indicating polarity on the LED strip throughout your setup when cutting the strip to avoid changing the colors from one section to another.

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.