

**Important: Read all instructions prior to installation.**

## Waterproof Remote Control Box

### Included Parts

1 - Waterproof Remote Control Box

### Required Accessories

1 - RF remote (MZ-RGB-REMOTE)

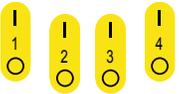
### Specifications

WCRF-RGB6-MZ controller	
Input Voltage	12–24 VDC
Output	5 A/channel*
IP Rating	IP68

\*Each output channel is linked internally, so the two output channels cannot be controlled independently.

### Remote Functions

#### MZ-RGB-REMOTE (sold separately)

Button	Functions
	<b>Master On(-)/Off(O)</b> A master On(-)/Off(O) control for all zone-linked RGB LEDs. Also activates the “Master” function, which allows control of all zones.
COLOR WHEEL	Directly select color on wheel from any mode or color selection by touching the color wheel. Rotate finger around to fine tune desired color.
BRIGHTNESS +/- 	<b>Brightness Touch Slider - Increase(Right Side)/Decrease (Left Side)</b> Increases (right side) or decreases (left side) the brightness level. Changing the active mode resets the brightness level to full.
SPEED +/- 	<b>Mode Speed - Increase(S+)/Decrease (S-)</b> Increases (S+)/Decreases(S-) the tempo of the mode pattern currently active.
MODE +/- 	<b>Mode Start/Scroll (M)</b> Modes feature different color combinations, light transitions, and patterns, with 9 distinct modes. This button initiates the Mode function and scrolls through the modes in rotating order.
	<b>Zone ON(I) / OFF(O)</b> Allows up to four “zones” (i.e. channels) of RGB LEDs to be separately linked and controlled by the remote. Pressing one of the Zone ON(I) buttons activates that zone; commands will affect only lights in that zone.



### Modes List

Mode	Function
1	7 Color Fade
2	White Fade in and out
3	Red Fade in and out + Green Fade in and out + Blue Fade in and out +
4	7 Color Jump
5	Red Fade in and out + Jump Flash 3 times
6	Green Fade in and out + Jump Flash 3 times
7	Blue Fade in and out + Jump Flash 3 times
8	Auto Cycle

### FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Safety and Notes

- DO NOT connect controller or LEDs directly to 120V AC power. This controller requires a 12V or 24V DC power supply.
- DO NOT exceed max load of 18 Amps, overloading the controller may cause overheating, shorting, and possibly failure of controller.
- Be sure the power supply is not plugged into an outlet before connecting or disconnecting any of the systems components.
- DO NOT expose the controller or remote strip to direct or indirect moisture.
- Always observe proper polarity when connecting power and load.

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## Waterproof Remote Control Box

### Operation

1. 2.4G frequency RF remote is required and can operate through obstacles (20-30 meters).
2. Connect ground wire first, followed by power wire. Please ensure short circuit can not occur between connecting wire before you turn on the power.
3. Only the power button is effective in the OFF station, press the power button for the first time. Controller will enter last mode before controller was turned off (memory off function).
4. Use Mode +/- to select the 8 modes from the Modes List.

### Pairing

For a new combination, the remote must match code with receiver, then it can be used normally.

Before mating code, you must ensure LED controller, power supply, and LED light are connected correctly, then cut off the power and re-power it again.

**Pairing:** Please press the “ZONE X(X=1,2,3,4) ON” Button for 2 seconds within 8 seconds when powering on controller, then the output LED light will flash for 3 times. Remote is now matched with the receiver successfully.

**Unpairing:** One must clear the code to change light control group. After clearing code, remote and receiver will be in the initial state. Operation method: Press the “ZONE X(X=1,2,3,4) OFF” Button for 2 seconds within 8 seconds when powering on controller, then LED light will flash 9 times. You have successfully cleared the code.

### Wiring Diagram

