



superbrightleds com RGBCT-MZ8-RF Controller Module User Manual

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User Manual
RGBCT6-MZ



Important: Read all instructions prior to installation.
RGB+CCT Controller Module

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Included Parts

1. – RGB+CCT Controller Module

Specifications

RGBCCT6-MZ	
operating voltage range	12-24 VDC
radio frequency	2.4 GHz
electrical connection	hardwire or coaxial power connector with 5.5 mm outer diameter and 2.1 mm inner diameter
operating temperature	-4-140° F (-20-60° C)
warranty	2 Years

Compatible Remote Controls

One of these controls (available at additional cost) is required to operate the controller module. Each light can be linked with up to 4 different remote controls (any combination of wireless remotes and Wi-Fi controls). Each control (and zone) can be linked to an unlimited number of controller modules.

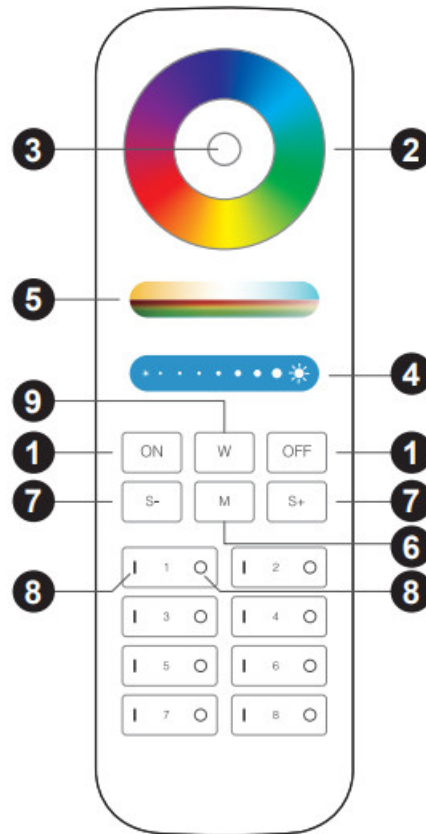
Signal Relay Function and Synchronization

Inputs from any linked remote control received by one module are automatically relayed from that module to any additional modules linked to remote within 100 ft (30 m) range. In addition, any modules linked in same zone will automatically synchronize upon receiving input from remote control—whether direct or relayed from another controller module.

WIFI-CON2 (for smart phone control)



RGBCCT-MZ8-RF



Control Features

1. Master On/Off

Acts as a master On (-)/Off (O) control for all linked RGBW and RGB+CCT lights. Also activates the Master function, which allows remote to control lights of all zones. If a zone is currently active, pressing Master On (-) button on remote or back button in app restores Master function to the remote.

2. Color Selection Ring

Directly selects color along a circular spectrum. Press W button to changes to a steady bright white.

3. Selection LED Indicator (wireless remote control only) Flashes once to indicate when a command has been selected.

4. Brightness Touch Slider – Increase/Decrease

Increases (right side) or decreases (left side) the brightness level. Changing active mode resets brightness level to full.

5. Saturation/CCT Touch Slider – Increase/Decrease

Increases (right side) or decreases (left side) the color saturation level. When controlling white, adjusts from cool white (right side) to warm white (left side).

6. Mode

Nine distinct modes feature different color combinations, light transitions, and patterns. On wireless remote, this button initiates mode function and scrolls through modes in ascending order. In app, simply select mode button and press any numbered mode button to switch between modes.

7. Mode Speed Increase/Decrease Increases (S+ or +Speed) or decreases (S- or -Speed) speed of currently active mode.

8. Zones 1–8 On (I)/Off (O)

Allows up to eight zones (channels) of RGBW and/or RGB+CCT lights to be separately linked and controlled by

remote/app. Pressing any Zone On() button activates that zone.

Commands will affect only lights in that zone. Once linked to a zone, lights remain linked until they are unlinked.

9. White LED Selection Switches to white LED operation.

Note: While functions remain the same, the phone/tablet display will vary in appearance from remote control.

Light Modes

Mode	Description	Additional Control(s)
1	seven color, gradual transition	saturation, speed, and brightness
2	white (mix of warm and cool), gradual transition	speed and brightness
3	RGB, gradual transition	saturation, speed, and brightness
4	seven color sequence, jump to change	saturation, speed, and brightness
5	random color, jump to change	saturation, speed, and brightness
6	red light pulse then flash 3 times	saturation, speed, and brightness
7	green light pulse then flash 3 times	saturation, speed, and brightness
8	blue light pulse then flash 3 times	saturation, speed, and brightness
9	white (mix of warm and cool) light pulse then flash 3 times	speed and brightness

Parts Included

- 1 – WIFI-CON2
- 1 – USB-500MA-5V

Setup Instructions

1. Download MiBoxer app on compatible device (iOS or Android).
2. See WIFI-CON2 manual for complete instructions on how to establish connection and set up Wi-Fi control.

Note: Constant 2.4 GHz Wi-Fi connection is required for remote access to Wi-Fi control through your device.

Linking Lights to App Remote

Linking a Light

1. Press the Link/Unlink button (1).
2. Select the desired zone.
3. Follow the on screen instructions to link the light.

Activating and Controlling a Specific Zone

To activate a specific zone, select one of the available zones and press On button. Zone is now active and remote commands will only affect lights linked to that zone.

Unlinking a Light

1. Make certain the light is powered off.
2. Press the Link/Unlink button (1).
3. Select the desired zone.
4. Press the unlink button to remove devices from the selected zone.

Wireless Remote Control

Parts Included

1. RGBCT-MZ8-RF

Setup Instructions

Install two AAA batteries (not included) into wireless remote.

Note: Wireless remote operates using radio frequency and has 100 ft. (30 m) range.

Linking Lights to Remote Control

Linking a Light

1. Make certain light is powered off.
Apply power. Within 3 seconds, press one of the eight Zone On (I) buttons three times quickly until light begins flashing. Light will flash 3 times if successfully linked to selected zone.

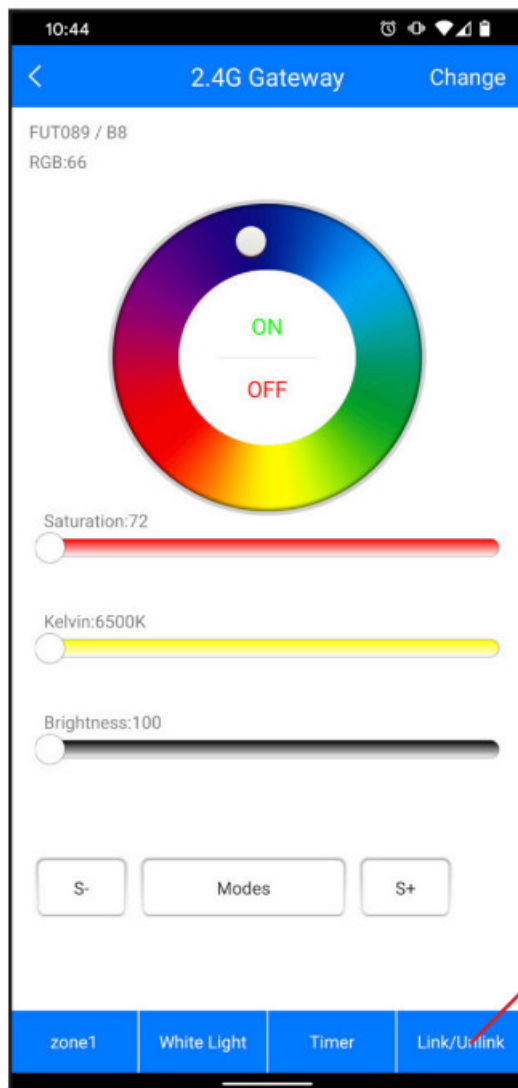
Note: If encountering issues when pairing, instead try continually pressing the desired Zone On (I) button repeatedly from before when power is applied to the controller until a few seconds after.

Activating and Controlling a Specific Zone

To activate a specific zone, press Zone On (I) button for desired zone. Zone is now active and remote commands will only affect lights linked to that zone.

Unlinking a Light

1. Make certain light is powered off.
2. Apply power. Within 3 seconds, press the associated Zone On (I) button five times quickly until light begins flashing. Light will flash 10 times if successfully unlinked.



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

- For indoor use only
- 'White color temperature can not be adjusted unless White LED Selection mode is active.

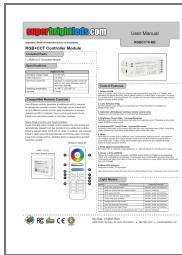


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4400 Earth City Expy, St. Louis, MO 63045 866-590-3533

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Documents / Resources



[superbrightleds.com RGBCCT-MZ8-RF Controller Module](#) [pdf] User Manual
RGBCCT-MZ8-RF, WIFI-CON2, RGBCCT6-MZ, RGBCCT-MZ8-RF Controller Module, Controller Module, Module

References

-  [LED Lighting For Everything | Super Bright LEDs](#)

Manuals+.