

Constant Current Single Color LED Controller(2.4GHz)

Model No.: MCR1

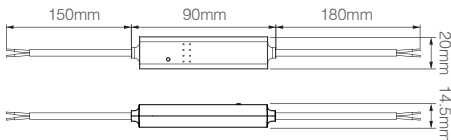
Features

- 4096 levels smooth dimming, Min brightness 0.1%
- Constant current output with 8 selectable current settings
- Dimming Range 0-100%
- One controller can be paired with 12 remote (Control distance 30m)
- Auto-forwarding: automatically relays the remote control signal to another controller, extending the control range indefinitely
- Support do not disturb mode setting, Suitable for areas with frequent power outages to save electricity
- Supports "Tuya Smart" app control (2.4GHz gateway is needed)
- Support Alexa, Google Assistant, Yandex Alice (2.4GHz gateway is needed)

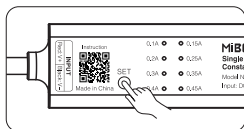


Parameters

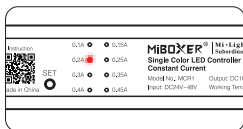
Name: Constant Current Single Color LED Controller(2.4GHz)	Control Distance: 30m
Model No.: MCR1	IP Rate: IP20
Input Voltage: DC12-24V	Working Temp.: -10~40°C
Output Voltage: DC10-36V	Dimming level: 4096 levels
Output Current(A): 0.1/ 0.15/ 0.2/ 0.25/ 0.3/ 0.35/ 0.4/ 0.45	Dimming Range: 0.1%-100%
Output Type: Constant Current	Dimming Curve: Logarithmic
Control Signal: 2.4GHz RF	



Output Current Setting Instructions



Long press 5s "SET" to set, press to toggle output current

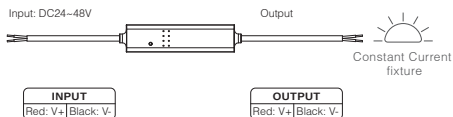


The corresponding current indicator light will then illuminate

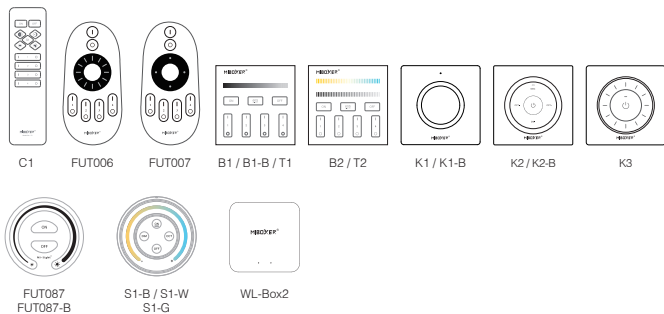
Adjustable output current:

0.1A/ 0.15A/ 0.2A/ 0.25A/ 0.3A/ 0.35A/ 0.4A/ 0.45A

Connection Diagram

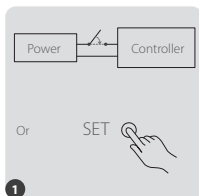


Compatible with remote control (need to be purchased separately)

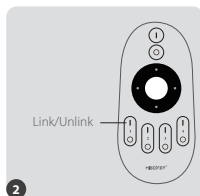


Remote Control Instructions

1). Linking Code Instructions



Power off, then power on again after 10 seconds or the "SET" button once



Short press the "I" button 3 times within 3 seconds.



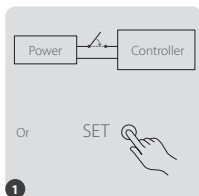
The light flashes slowly 3 times, indicating successful Linking.



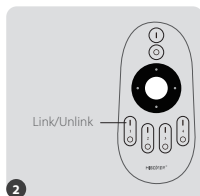
If the light does not flash slowly, the code binding failed, please perform the above steps again.
(Note: Already coded lamps cannot be coded again).

2). Unlinking Code Instructions

Method 1:



Power off, then power on again after 10 seconds or the "SET" button once or turn on the light through the PUSH switch.



Short press the "I" button 5 times within 3 seconds.



The lamp flashes 10 times quickly, indicating successful unlinking



If the light does not flash quickly, unlinking failed, please perform the above steps again.
(Note: For lamps that are not coded, no unlinking is required).

3). Auto-forwarding

Remote control signal auto-forwarding

The remote control signal received by the controller will be forwarded to another controller within 30m, making the control distance infinite.



4). Turn Do Not Disturb mode on and off (ON by default)

Turn on "Do Not Disturb" (applicable to areas with frequent power outages to save energy)

Turn on Do Not Disturb mode:

Short press the "OFF" button 3 times within 3 seconds, and then short press the "ON" button 3 times. The light flashes 4 times to indicate success.

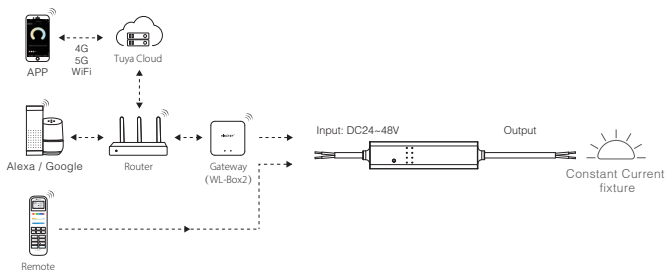
Note: When the lamp is powered on again after a power outage, its status (lights on or off) will remain the same as before the power outage.

Turn off Do Not Disturb mode:

Short press the "ON" button 3 times within 3 seconds, and then short press the "OFF" button 3 times. The light flashes 4 times slowly to indicate successful shutdown.

Note: When the lamp is powered on again after a power outage, its status will be on by default.

Application Diagram



Notice

1. When installing the device, please turn off the power to ensure safety.
2. Please check if the input voltage is consistent with the device.
3. Non-professional users cannot disassemble the device directly, otherwise the device may be damaged.
4. Do not use the device near large metal areas or areas with strong electromagnetic waves, otherwise the remote control distance will be seriously affected.



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