

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

## Single Color LED Controller with Wireless RF Remote

### Parts Included

- 1 - LED Controller
- 1 - CR2025 3V Battery
- 1 - Wireless Remote

### Wireless Remote Functions

#### 1. Turn On(I) / Standby(O)

Press 'I' key to turn on unit or press 'O' key to turn off. Retains last setting between power off and power on.

#### 2. BRIGHT(+)/BRIGHT(-) Dimming Level

Increases(+) or decreases(-) the brightness level of the light. Initiates Brightness Level Mode if Dynamic Mode is currently active.

#### 3. Brightness Shortcuts

Activates the brightness level indicated on the button label. These individual brightness levels are also accessible through the Bright(+)/Bright(-) buttons.

#### 4. Mode(+)/Mode(-) Dynamic Modes

Dynamic modes feature a variety of brightness transitions and patterns, with 8 distinct modes. These buttons initiate Dynamic Mode and cycle through the modes in ascending or descending order.

### Controller Installation

#### 7. Power Supply Wiring

The controller/power supply operates at 5-24VDC. The red wire is positive(+) and the black wire is negative(-) as indicated on the controller housing. Make sure the power voltage matches the LED strip requirement. Incorrect voltage may damage the LED strip.

#### 8. LED Output Wiring

The red cable should be connected to LED positive and black cable to negative. The peak output current is 15 amperes.

**CAUTION! Do not short circuit or overload the LED outputs, this may lead to permanent damage!**

#### 9. LED Controller Status Indicator

A multi-color emitting LED located on the remote controller indicates current operating status or operating status changes as follows:

### Using the Wireless Remote

Prepare the wireless remote for use by removing the battery insulator. The remote uses a 3V CR2025 battery. Note: The wireless remote operates using radio frequency(RF). The remote controller's use is not restricted by normal obstructions such as walls, doors, etc. Do not install controller in metal enclosures.

### Remote Pairing Options

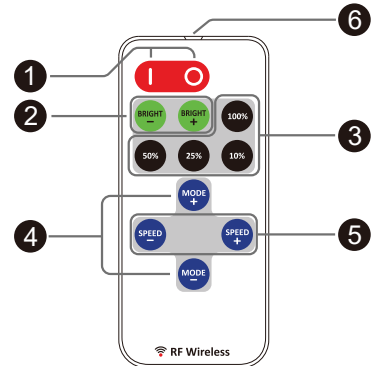
**Pairing A New Remote:** Up to 3 wireless remotes can be assigned to operate the LED controller. Additionally, each individual wireless remote can be assigned to an unlimited number of controllers. The following steps show how to assign a new remote to the LED Controller:

1. Disconnect the power to the LED controller, wait 5 seconds, and reconnect.
2. Within 5 seconds of reconnecting the LED Controller, press the "50%" and "10%" buttons simultaneously.
3. The LED indicator on the LED controller will flash white 3 times indicating the new wireless remote has been successfully assigned. This may be done for a total of 3 wireless remotes.

**Pairing Any Remote:** Up to 3 wireless remotes can be assigned to operate the LED controller. The following steps show how to assign a new remote to the LED Controller:

1. Disconnect the power to the LED controller, wait 5 seconds, and reconnect.
2. Within 5 seconds of reconnecting the LED Controller, press the "On" and "Bright(+)" buttons simultaneously.
3. The LED indicator on the LED controller will flash yellow 3 times indicating the LED controller will recognize any remote.

Model	MCBRF-15A
Dynamic Mode	8 Modes
PWM Grade	256 Levels
Dimming	10 levels
Speed Grade	10 Levels
Overload Protection	Yes
Overheat Protection	Yes
Working Voltage	DC 5-24V
Battery	3V CR2025
Remote Frequency	433.92MHz
Remote Distance	Up to 15 Meters (Open Area)
Working Temperature	-30° to 80°
Rate Output Current	15A
PWM Frequency	1 KHz
IP Rating	IP68
FCC ID	2ACJPRM03



#### 5. SPEED(+)/SPEED(-) Dynamic Modes Speed Level

Increases(+) or decreases(-) the speed of the currently active dynamic mode. Initiates Dynamic Mode if Brightness Level Mode is currently active.

#### 6. Wireless Remote LED Indicator

Flashes blue when remote is operating to indicate that the remote is functioning properly.



LED Controller Status Indicator						
Light Signal	Blue	Short single white flash	Long single white flash	Long single yellow flash	Red flash	Yellow flash
Indicates	normal function	mode change	Range limit has been reached when cycling through Dynamic Modes	Range limit has been reached when cycling through Tempo Speed Level or Brightness Level	Overload/short circuit has been detected, activating protection mode	Overheating has been detected, activating protection mode

### 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.

