



# SUPER BRIGHT LEDS MCBRF-VCT7 Tunable White LED Controller with Wireless RF Remote User Manual

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**SUPER BRIGHT LEDS MCBRF-VCT7 Tunable White LED Controller with Wireless RF Remote**



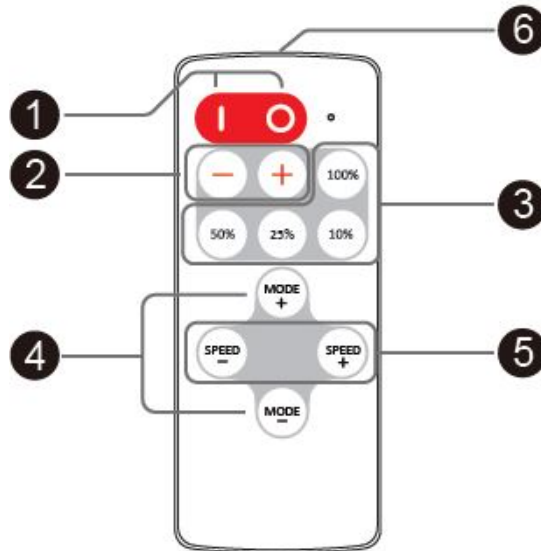
## Parts Included

- 1 – LED Controller
- 1 – Wireless Remote
- 1 – CR2025 Battery

## Specifications

Color Temp. Grade	7 levels
Dimming	7 levels
PWM Grade	256 Steps
Color Temp. Shortcut	3 shortcuts
Brightness Shortcut	3 shortcuts
Overload Protection	Yes
Overheat Protection	Yes
Working Voltage	5–24 VDC
Battery	CR2025
Remote frequency	433.92 MHz
Remote control distance	up to 15 m
Rated Output Current	2 x 7 A
IP Rating	IP68

## Wireless Remote Functions



### 1. Turn On/Standby

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

### 2. Color Temperature Adjust

To control color temperature, press 'C /T+' key to increase color temperature by increasing the cool white channel output power and decreasing warm white channel output power. Press 'C /T-' key to lower color temperature by increasing warm white channel output power and decreasing cool white channel output power. The overall brightness will remain unchanged when adjusting color temperature.

### 3. Brightness Adjust

Press 'BRIGHT+' key to increase brightness and 'BRIGHT-' to decrease brightness. The color temperature will remain unchanged when adjusting brightness.

### 4. Brightness Shortcut

Press one of the shortcut buttons to set the relative shortcut brightness level. 3 shortcut keys '10%', '50%' and '100%' are available.

### 5. Color Temperature Shortcut

Press one of the shortcut buttons to directly select the relative color temperature. 3 shortcut keys 'Warm', 'Neutral' and 'Cold' are available. 'Warm' and 'Cold' is pure warm or cool output, 'Neutral' is half warm and half cool output.

### 6. Wireless Remote LED Indicator

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

## Controller Installation



### 1. 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.

## 2. LED Output Wiring

The black cable on the output side should be connected to LED positive, the white cable should be connected to cool white LED's negative and the yellow cable connected to warm white LED's negative.

## 3. Status Indicator

This is a full color status indicator. It displays all working statuses of the controller. It indicates different events as following:

- Blue: normal working.
- Short single white flash: new command executed.
- Long single white flash: reach mode or color cycle edge.
- Long single yellow flash: reach speed or brightness limit.
- Red flash: overload protected.
- Yellow flash: overheat protected.

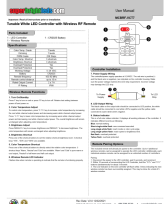
## Remote Pairing Options

The included remote will already be paired to the controller. Up to 4 additional wireless remotes can be assigned to operate the LED controller. Additionally, each individual wireless remote can be assigned to an unlimited number of controllers.

### Pairing:

1. Disconnect the power to the LED controller, wait 5 seconds, and reconnect.
2. Within 10 seconds of reconnecting the LED Controller, hold the "C/T+" and "C/T-" buttons simultaneously for about 3 seconds.
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 5 wireless remotes.

## Documents / Resources

	<p><a href="#"><u><b>SUPER BRIGHT LEDS MCBRF-VCT7 Tunable White LED Controller with Wireless RF Remote</b></u></a> [pdf] User Manual</p> <p>MCBRF-VCT7, Tunable White LED Controller with Wireless RF Remote, MCBRF-VCT7 Tunable White LED Controller with Wireless RF Remote</p>
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## References

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

