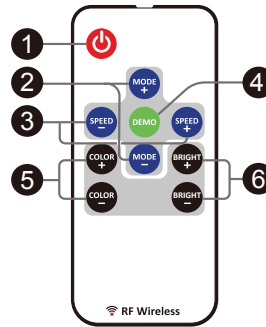*Important: Read all instructions prior to installation.*

RGB Wireless RF Remote and Controller

Parts Included

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

Wireless Remote Functions

1. Power ⏻
Press the power to toggle the unit on or off. Retains last setting between power off and power on.

2. Mode(+)/Mode(-) Dynamic Modes
Dynamic modes feature a variety of static signle color transitions and patterns, with 21 distinct modes. These buttons initiate dynamic color changing mode and cycle through the modes in ascending(+) or descending(-) order.

3. Speed(+)/Speed(-) Speed Level
Increases(+) or decreases(-) the tempo of the currently active dynamic mode. Initiates dynamic mode if static color mode is currently active.

4. Demo Mode
Initiates demo mode. demo mode cycles through 21 individual dynamic modes, repeating each mode 3 times.

5. Color(+)/Color(-) Static Colors
Initiates static color mode and cycle through the 20 colors in ascending(+) or descending(-) order.

6. Increase(+)/Decrease(-) Static Color Brightness Level
Increases(+) or decreases(-) the brightness of the currently active static color. Initiates static color mode if dynamic mode is currently active.

Controller Installation

10. Power Supply Wiring
The controller/power supply operates at 5-24VDC. The inner pole of the CPS connector is positive and the outer pole is negative. Make sure the power supply voltage matches the LED voltage.

11. LED Output Wiring
The controller supports common anode-type LED RGB strips. Output wires are indicated as follows:

Black(V+): Common anode which connects as the positive connection inside the controller.
Red(R): Wire connection for red LED color signals.
Green(G): Wire connection for green LED color signals.
Blue(B): Wire connection for blue LED color signals.

Using the Wireless Remote

Remove the plastic 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.

NOTE: Align Red arrow on controller with arrow on connector

FCC Statement

Model	MCBRF-RGB4
Dynamic Mode	21 Modes
Static Color	20 Colors
PWM Grade	256 Levels
Brightness Grade	5 Levels
Speed Grade	10 Levels
Short Circuit Protection	Yes
Overheat Protection	Yes
Working Voltage	DC 5-24V
Battery	3V CR2025
Remote Frequency	433.92MHz
Remote Distance	>15 Meters (Open Area)
Working Temperature	-30° to 70° C
Rated Output Current	3 x 4A peak, 3 x 2A constant
PWM Frequency	190Hz
IP Rating	IP20
FCC ID	2ACJPRM03

Remote Pairing Options

Controller / Remote sets come pre-programmed and ready for use.

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 "Speed(+)" and "Speed(-)" buttons simultaneously for 1 second.
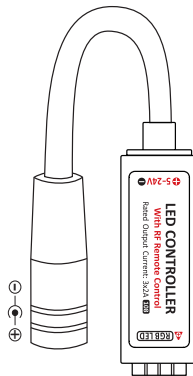3. If LED Controller does not respond to remote, repeat steps 1 and 2.

Free Pairing Mode: Allows multiple remote to operate the same LED controller. The following steps show how to assign multiple remotes 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 "Power" and "Mode (+)" buttons simultaneously for 1 second.
3. If LED Controller does not respond to remote, repeat steps 1 and 2.

Pairing to Single Remote: Repeat "Pairing A New Remote" procedure a minimum of 3 times until LED controller responds to only that remote.
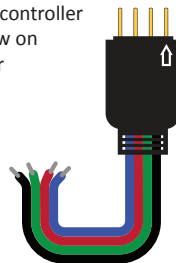
Remote Modes

Mode	Speed Adjustable	Mode	Speed Adjustable
1	Three Color Fade	12	Yellow/Green Cross Fade
2	Seven Color Fade	13	Red/Magenta Cross Fade
3	Blue Fade	14	White/Blue Cross Fade
4	Magenta Fade	15	White/Red Cross Fade
5	Red Fade	16	White/Green Cross Fade
6	Yellow Fade	17	Three Color Strobe
7	Green Fade	18	Blue Strobe
8	White Fade	19	Red Strobe
9	Three Color Jump	20	Green Strobe
10	Six Color Jump	21	Six Color Cross Fade
11	Red/Yellow Cross Fade		