

SUPER BRIGHT LEDS MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote User Manual

[Home](#) » [super bright leds](#) » SUPER BRIGHT LEDS MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote User Manual 



Contents

- [1 SUPER BRIGHT LEDS MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote User Manual](#)
- [2 Parts Included](#)
- [3 Remote Functions](#)
- [4 Remote Pairing Options](#)
- [5 Controller Installation](#)
- [6 FCC Statement](#)
- [7 Static Programs](#)
- [8 Specification](#)
- [9 Dynamic Programs](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)

SUPER BRIGHT LEDS MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote User Manual

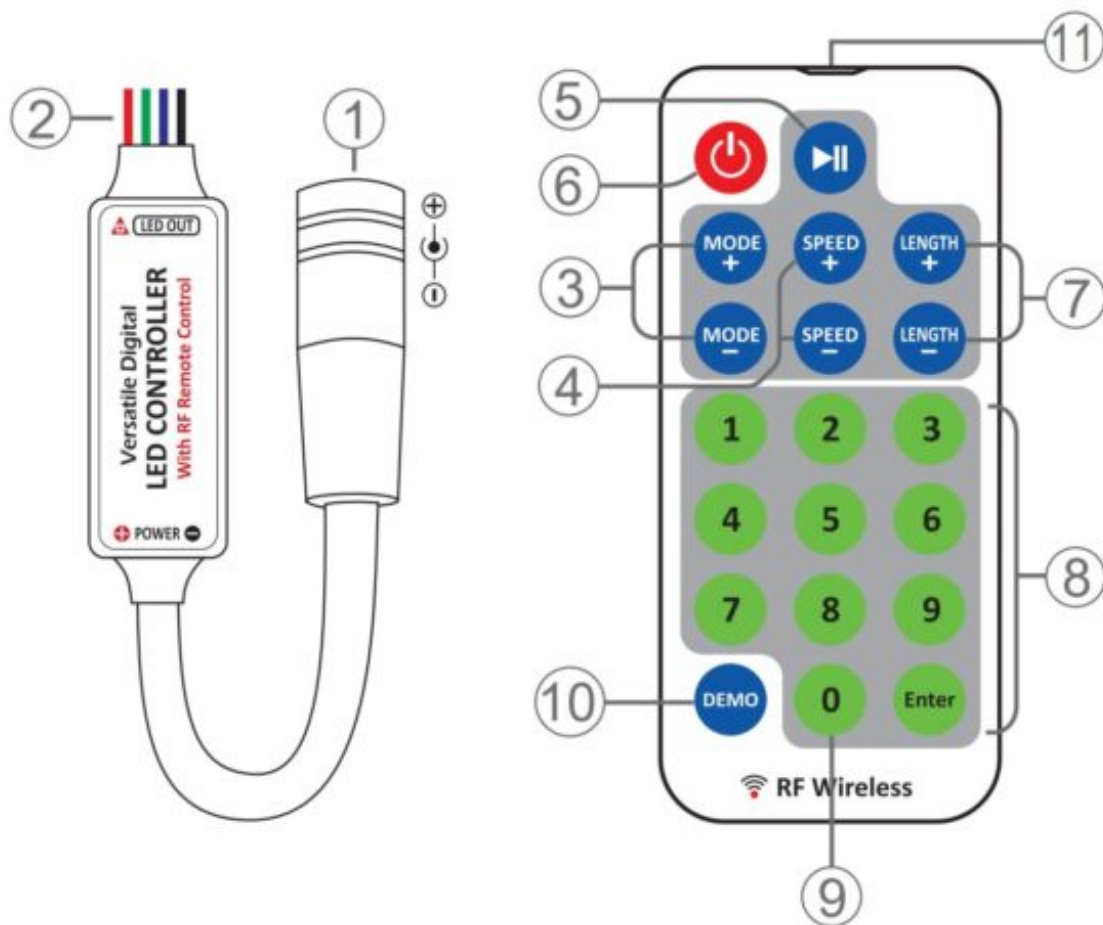
Part Number: MCB-RGB-DC99

Important: Read all instructions prior to installation.

Parts Included

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

Remote Functions



1. Power Input

The power supply input.

The DC jack's inner pin is positive and outer contact is negative.

2. Signal Output

Black / Ground,

Green / Clock

Red / Data

Blue / 12V+

3. Mode Adjust

Selects running mode.

Advance to next mode by pressing 'MODE+' or advance to previous mode by pressing 'MODE-'.

4. Speed (Brightness) Adjust

Sets running speed of a dynamic mode or brightness of a static color. There are 10 different levels for both speed and brightness.

5. Pause / Play

Toggles between Play and Pause modes. Button will also release pause mode and start to play if running mode is changed.

6. Turn On / Standby

Turns on or switches to standby mode. Main unit will memorize current setting. When power is restored to the

unit, it will automatically restore to previous state.

7. Unit Length (Static Color) Adjust

Adjusts playing unit length during dynamic modes or adjusts color during static color modes. On static color mode, press these keys to access one of 29 preset colors.

8. Program direct selection keys

User can directly select a program by the Enter and Number keys. For example, if you want to run program #58, press number 5 and then 8. Press Enter key to send the command.

9. Static Color Mode

User can directly select a static color by pressing 0, 0 then Enter. Use the Length (+) / Length (-) to select color.

10. Demo Mode

Switch to demo mode. In demo mode, the controller will automatically cycle through 99 dynamic programs.

11. Remote Controller indicator

The blue indicator will light up when remote controller is sending a command. When directly selecting a pattern with the 0-9 buttons, the blue indicator will flash up to seven times before the last key input is ignored. All digits and enter need to be input with no more than 7 seconds between button presses.

Remote Pairing Options

Controller and remote are 1 to 1 paired as default. Controller can only be controlled by a paired remote. When an extra remote is needed or the controller needs to be matched to another remote, the user can match the remote by following the instructions below.

Pairing a New Remote

Unplug controller power and plug in again after waiting 10 seconds. Press the 'MODE-' and 'LENGTH-' keys at same time once within 5 seconds after the power is on, then release the keys and press the 'SPEED+' key once within another 5 seconds. The controller can be paired to maximum 5 remotes.

Pairing to Any Remote

Unplug the controller power and plug in again after 10 seconds. Press the 'MODE-' and 'LENGTH-' keys at same time once within 5 seconds after power is on, then release the keys and press the 'DEMO' key once within another 5 seconds.

Pairing to One Remote

Unplug controller power and plug in again after 10 seconds. Press the 'MODE-' and 'LENGTH-' keys at the same time once within 5 seconds after power is on, then release the keys and press 'SPEED-' key once within another 5 seconds.

Controller Installation

Pre-test LED Configure

Remove strip from the reel and make connections to the controller and power supply (see "Method 1" diagram). Turn on the strip using the included remote control to ensure proper operation of the strip, controller, power supply, and remote.

See Method 1 diagram for a guide to installing and connecting LED strip to included controller and power supply

for your application. Choose a suitable location for the power supply and controller. Direct line of sight is not required with RF remote control.

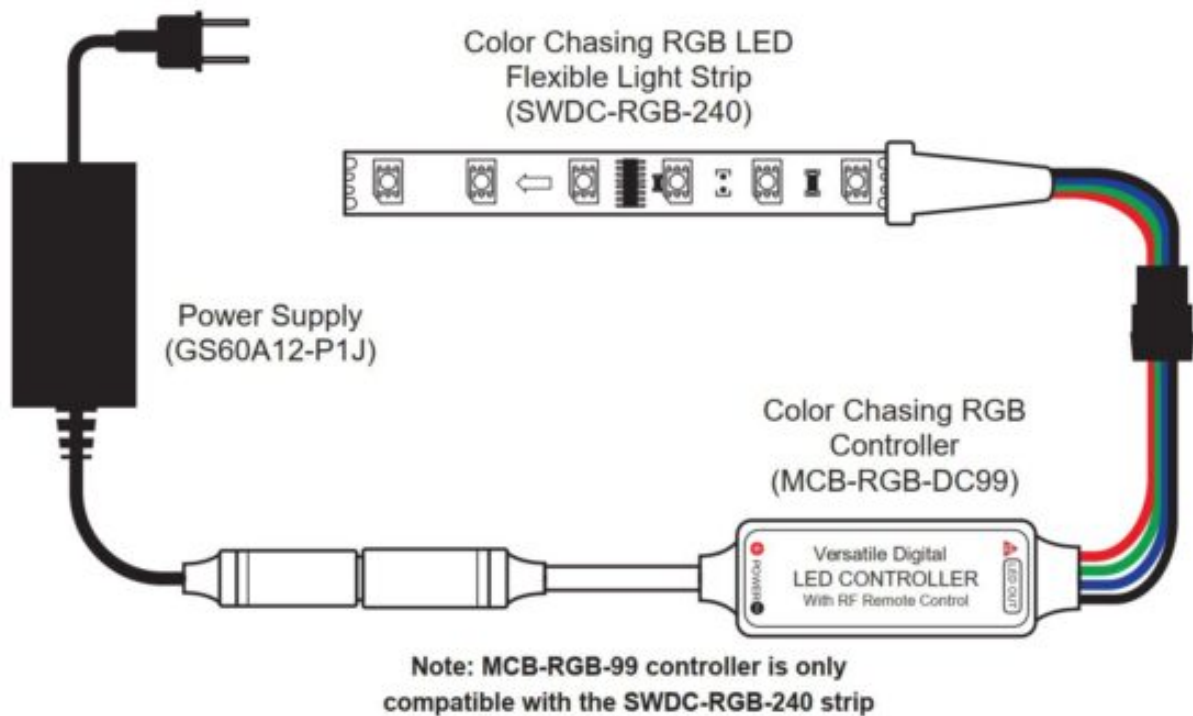
Power Supply

The power supply jack is a 5.5mm diameter DC socket. The main unit can work at DC 5V to 24V. Since the power supply is directly connected to the LED signal output, make sure the power voltage matches the LED strip requirement, incorrect voltage may damage LED strip.

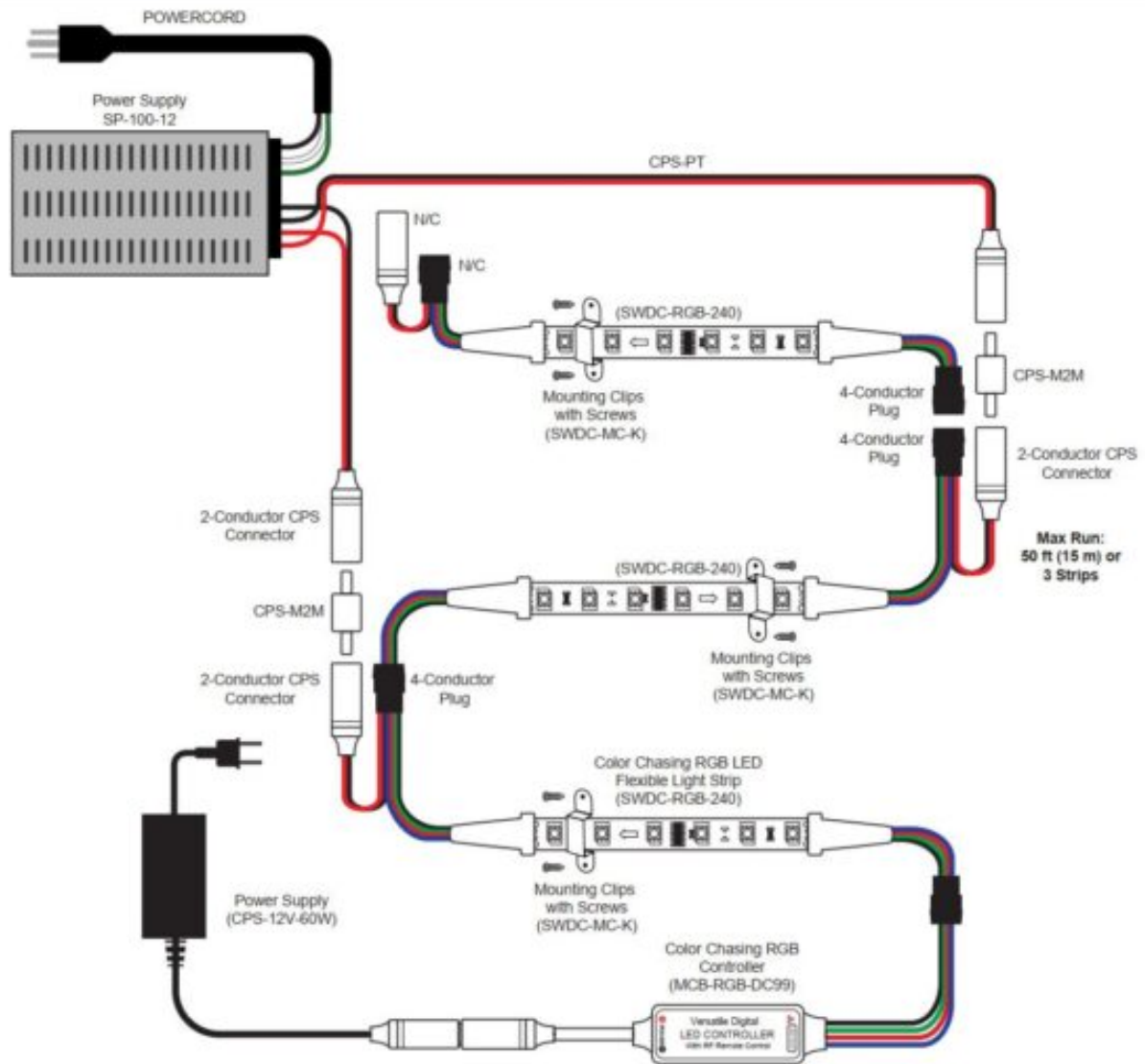
Output Signal

The output signal is from an LC4 type plug. LEDs may not work properly if the data cable is too long or gets interfered with. Max run is 50 meters or 10 strips.

Connection Method 1 (Single 5m Strip)



Connections Method 2 (Multiple 5m Strip)



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.

Static Programs

0	Static Colors
1	Cool White
2	Red
3	Orange
4	Orange Yellow
5	Green Yellow
6	Yellow Green
7	Green
8	Blue Green
9	Aqua Green
10	Aqua Blue
11	Turquoise
12	Cerulean Blue
13	Blue
14	Blue Violet
15	Violet

16	Purple
17	Fusha
18	Pink
19	Light Pink
20	Warm White
21	Natural White
22	Pale Green
23	Lime
24	Royal Blue
25	State Blue
26	Orchid
27	Plum
28	Cyan
29	Sky Blue

Specification

Dynamic Program	99 programs
Dynamic Speed	10 levels
Dynamic Length	16-500
Demo Mode	Yes
Static Color	29 colors
Static Brightness	10 levels
Working Voltage	5~24 VDC
Driving Capacity	800 pixels
Control mode	RF wireless remote
Remote Frequency	433.92MHz
Remote Distance	>15 meters (50ft) in open air
FCC ID	2ACJPRM03

Dynamic Programs

1	Full color forward sequence
2	Full color reverse sequence
3	Full color middle open
4	Full color middle close
5	6-color forward comet
6	6-color reverse comet
7	6-color comet open
8	6-color comet close
9	3-color forward comet
10	3-color reverse comet
11	3-color comet open
12	3-color comet close
13	Red sandglass
14	Green sandglass
15	Blue sandglass
16	3-color sandglass

51	Blue on White open
52	Blue on White close
53	Red on White forward
54	Red on White reverse
55	Red on White open
56	Red on White close
57	Green on White forward
58	Green on White reverse
59	Green on White open
60	Green on White close
61	Green ping pong
62	Green ping pong with dim
63	Red ping pong
64	Red ping pong with dim
65	Blue ping pong
66	Blue ping pong with dim

17	6-color forward flow
18	6-color reverse flow
19	6-color open
20	6-color close
21	3-color forward
22	3-color reverse
23	3-color open
24	3-color close
25	Red on Purple forward
26	Red on Purple reverse
27	Red on Purple open
28	Red on Purple close
29	Red on Green forward
30	Red on Green reverse
31	Red on Green open
32	Red on Green close

67	Yellow ping pong
68	Yellow ping pong with dim
69	Purple ping pong
70	Purple ping pong with dim
71	Cyan ping pong
72	Cyan ping pong with dim
73	3-color ping pong
74	3-color ping pong with dim
75	6-color ping pong
76	6-color ping pong with dim
77	White on Blue ping pong
78	Green kissing
79	Green kissing with dim
80	Red kissing
81	Red kissing with dim
82	Blue kissing

33	Green on Yellow forward
34	Green on Yellow reverse
35	Green on Yellow open
36	Green on Yellow close
37	Green on Cyan forward
38	Green on Cyan reverse
39	Green on Cyan open
40	Green on Cyan close
41	Blue on Purple forward
42	Blue on Purple reverse
43	Blue on Purple open
44	Blue on Purple close
45	Blue on Cyan forward
46	Blue on Cyan reverse
47	Blue on Cyan open
48	Blue on Cyan close
49	Blue on White forward
50	Blue on White reverse

83	Blue kissing with dim
84	3-color kissing with dim
85	6-color kissing with dim
86	Green snake
87	Green snake with dim
88	Red snake
89	Red snake with dim
90	Blue snake
91	Blue snake with dim
92	White snake on Blue
93	White snake on Red
94	White snake on Green
95	3-color chase
96	6-color chase
97	3-color sway
98	6-color sway
99	6-color jump

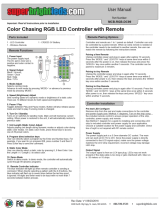
Rev Date: V1 09/23/2016

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References

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