

[Home](#) » [superbrightleds](#) » **superbrightleds MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote User Manual** 

Contents [[hide](#)]

- [1 superbrightleds MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
- [4 Remote Functions](#)
- [5 FAQs](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)

superbrightleds

superbrightleds MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote



Specifications

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

Product Usage Instructions

Power Input and Signal Output:

The power input is through the DC jack with the inner pin positive and the outer contact negative. The signal output includes Black/Ground, Green/Clock, Red/Data, and Blue/12V+.

Remote Functions:

The remote functions include Power Input, Signal Output, Mode Adjust, Speed (Brightness) Adjust, Pause/Play, Turn On/Standby, Unit Length (Static Color) Adjust, Program direct selection keys, Static Color Mode, Demo Mode, and Remote Controller indicator.

Controller Installation:

Follow the provided instructions for connecting the Color Chasing RGB LED Flexible Light Strip (SWDC-RGB-240) and the Power Supply (GS60A12-P1J) to the Color Chasing RGB Controller (MCB-RGB-DC99).

Battery Safety:

Ensure safe handling and disposal of the CR2025 3V Battery included with the product.

Important: Read all instructions prior to installation.

Color Chasing RGB LED Controller with Remote

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.

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- DEATH or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- KEEP new and used batteries OUT OF REACH of CHILDREN
- Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body

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.

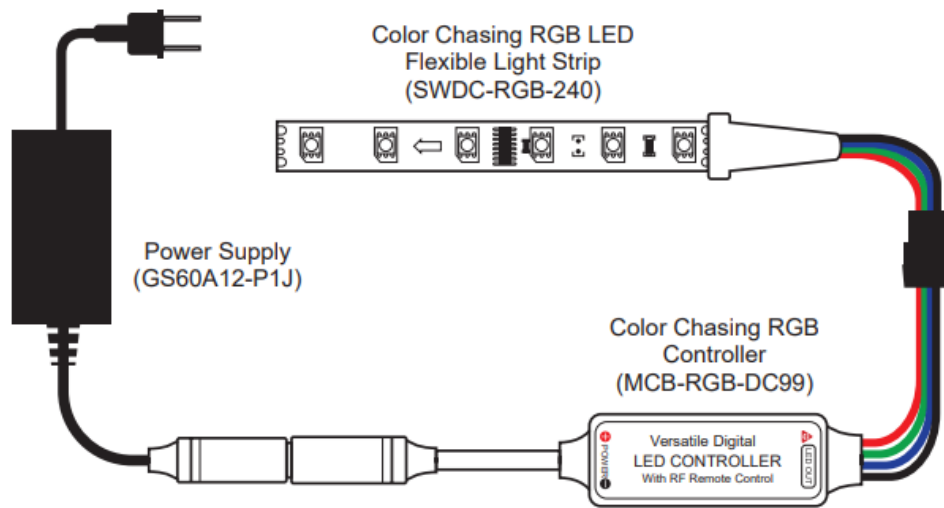
Battery Safety

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above (manufacturer's specified temperature rating) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

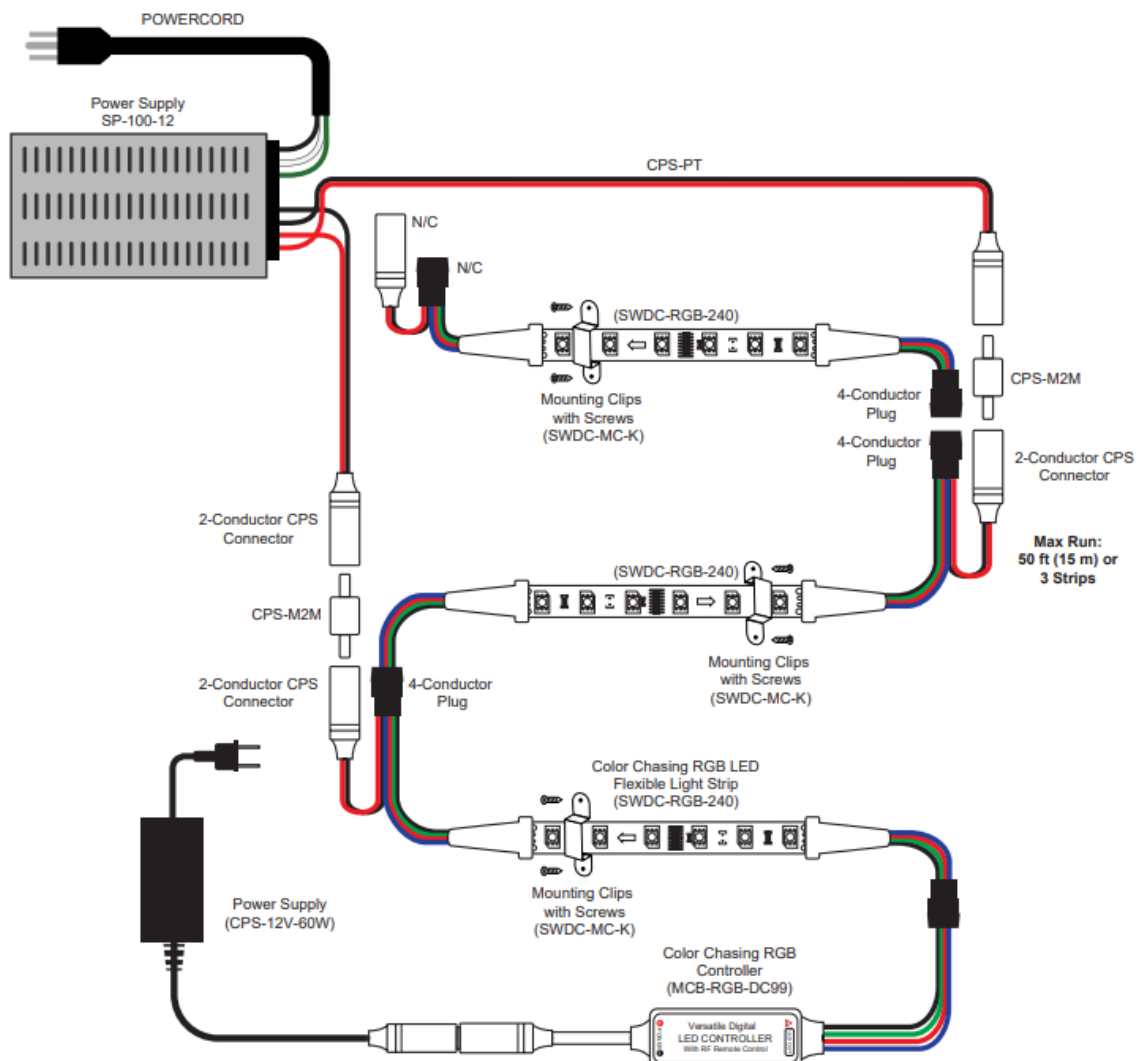
Important: Read all instructions prior to installation.

Color Chasing RGB LED Controller

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

Dynamic Programs

1	Full color forward sequence		51	Blue on White open
2	Full color reverse sequence		52	Blue on White close
3	Full color middle open		53	Red on White forward
4	Full color middle close		54	Red on White reverse
5	6-color forward comet		55	Red on White open

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
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

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
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

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
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

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
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

48	Blue on Cyan close	98	6-color sway
49	Blue on White forward	99	6-color jump
50	Blue on White reverse		

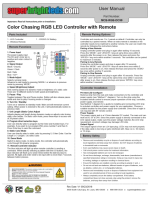
- Rev Date: V1 09/23/2016
4400 Earth City Expy, St. Louis, MO 63045
- [866-590-3533](tel:866-590-3533)
- superbrightleds.com

FAQs

Q: Is the MCB-RGB-DC99 controller compatible with multiple 5m strips?

A: The MCB-RGB-DC99 controller is only compatible with the SWDC-RGB-240 strip as mentioned in the user manual. For multiple strips, follow the recommended connection method provided in the manual.

Documents / Resources

	superbrightleds MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote [pdf] User Manual MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote, MCB-RGB-DC99, Color Chasing RGB LED Controller with Remote, RGB LED Controller with Remote, Controller with Remote, with Remote
---	---

References

- [User Manual](#)

superbrightleds

Color Chasing RGB LED Controller with Remote, Controller with Remote, MCB-RGB-DC99, MCB-RGB-DC99 Color Chasing RGB LED Controller with Remote, RGB LED Controller with Remote, superbrightleds, With Remote

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.