

Important: Read all instructions prior to installation.

Color Chasing RGB LED Controller with Remote

Parts Included

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

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

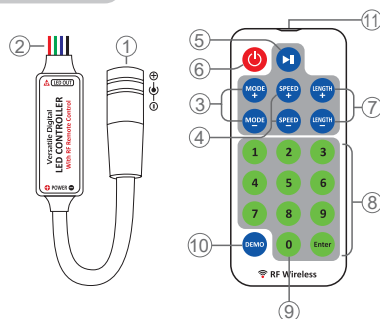
User can directly select a static color by pressing 0, 0 then Enter. Use the Length (+) / Length (-) to select color.

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

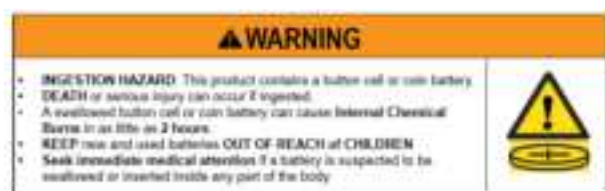
The power supply jack is a 5.5mm diameter DC socket. The main unit can work at DC 5V to 24V. Since the power supply is directly connected to the LED signal output, make sure the power voltage matches the LED strip requirement, incorrect voltage may damage LED strip.

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.

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.



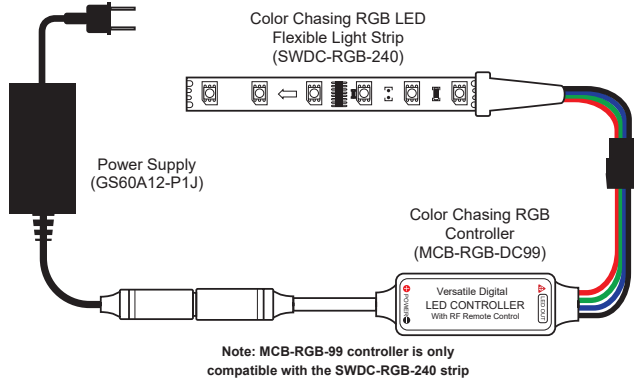
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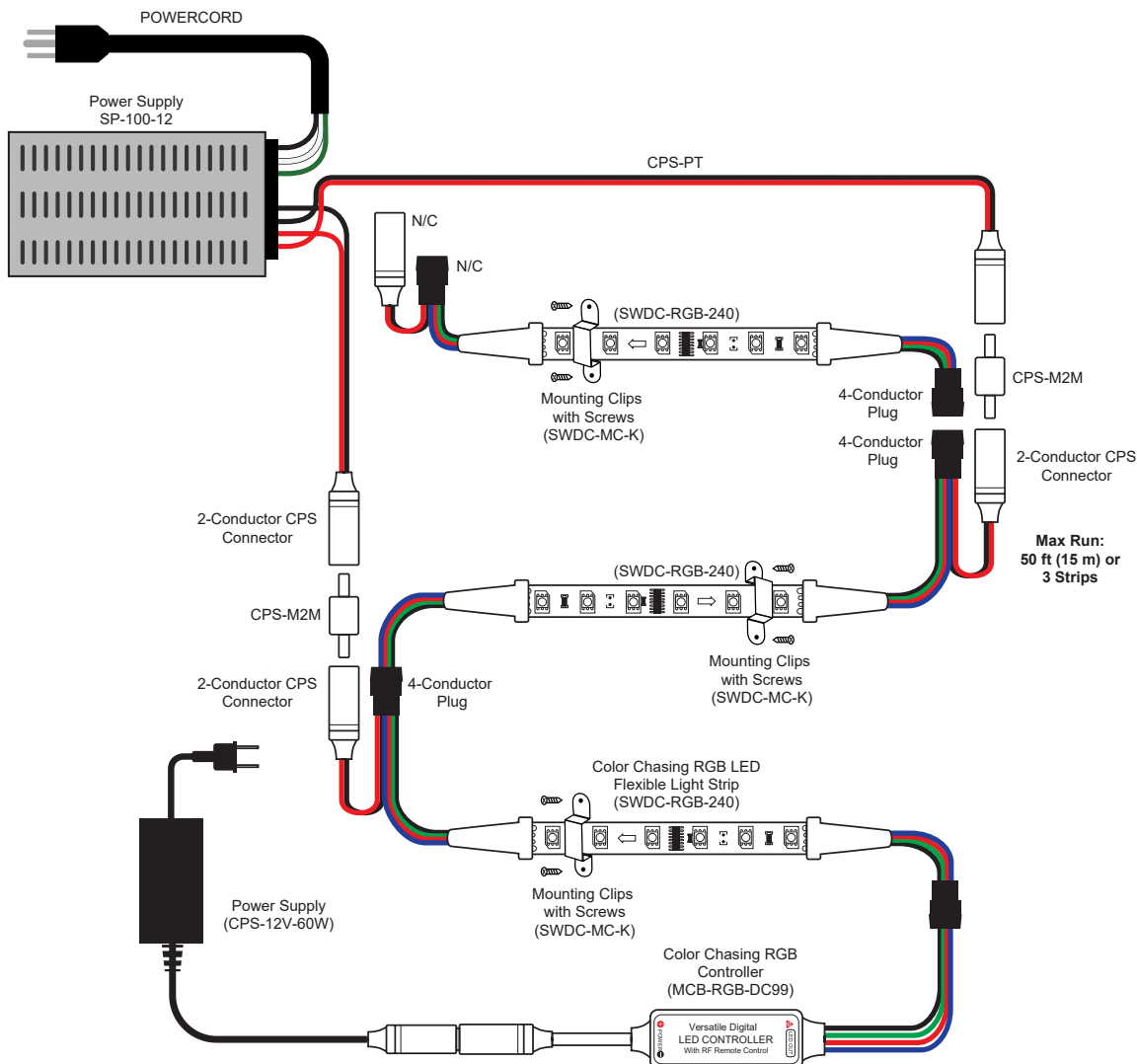
Connection Method 1 (Single 5m Strip)



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.

Connections Method 2 (Multiple 5m Strip)



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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	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	56	Red on White close
7	6-color comet open	57	Green on White forward
8	6-color comet close	58	Green on White reverse
9	3-color forward comet	59	Green on White open
10	3-color reverse comet	60	Green on White close
11	3-color comet open	61	Green ping pong
12	3-color comet close	62	Green ping pong with dim
13	Red sandglass	63	Red ping pong
14	Green sandglass	64	Red ping pong with dim
15	Blue sandglass	65	Blue ping pong
16	3-color sandglass	66	Blue ping pong with dim
17	6-color forward flow	67	Yellow ping pong
18	6-color reverse flow	68	Yellow ping pong with dim
19	6-color open	69	Purple ping pong
20	6-color close	70	Purple ping pong with dim
21	3-color forward	71	Cyan ping pong
22	3-color reverse	72	Cyan ping pong with dim
23	3-color open	73	3-color ping pong
24	3-color close	74	3-color ping pong with dim
25	Red on Purple forward	75	6-color ping pong
26	Red on Purple reverse	76	6-color ping pong with dim
27	Red on Purple open	77	White on Blue ping pong
28	Red on Purple close	78	Green kissing
29	Red on Green forward	79	Green kissing with dim
30	Red on Green reverse	80	Red kissing
31	Red on Green open	81	Red kissing with dim
32	Red on Green close	82	Blue kissing
33	Green on Yellow forward	83	Blue kissing with dim
34	Green on Yellow reverse	84	3-color kissing with dim
35	Green on Yellow open	85	6-color kissing with dim
36	Green on Yellow close	86	Green snake
37	Green on Cyan forward	87	Green snake with dim
38	Green on Cyan reverse	88	Red snake
39	Green on Cyan open	89	Red snake with dim
40	Green on Cyan close	90	Blue snake
41	Blue on Purple forward	91	Blue snake with dim
42	Blue on Purple reverse	92	White snake on Blue
43	Blue on Purple open	93	White snake on Red
44	Blue on Purple close	94	White snake on Green
45	Blue on Cyan forward	95	3-color chase
46	Blue on Cyan reverse	96	6-color chase
47	Blue on Cyan open	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		