Waterproof LED Controller
LC-0RGB-D5-01C/D/E

LC-0RGB-D5-01C   LC-0RGB-D5-01D   LC-0RGB-D5-01E

CE   RoHS   Warranty 5 years

Features:

The waterproof controller is used for controlling ordinary RGB LED strip and low-voltage RGB LED lights,and there are built-in 52 kinds change modes. Unique touch technology, humanized operation, convenient to use; it can be controlled via touch panel of controller,and it can also be remotely controlled with wireless remote controller. Automatically adapt to DC12V/24V voltage input,apply to most of the RGB LED products. MCU built-in hardware PWM dimming, fine and smooth dimming, no flicker, total current of RGB 3 -way driver reach 9A.

Function description:

1) 52 color modes, such as 7-color static state(can dimming seperately), jump change, gradual change (with pause function);
2) 255 level dimming;
3) 255 level speed regulation;

Technical parameters:

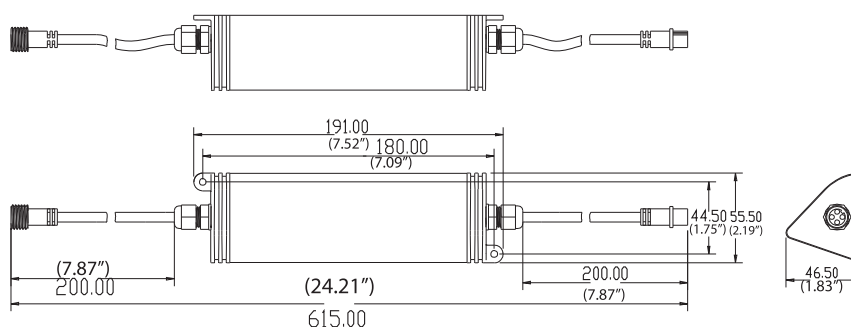|	
Working voltage：12/24V DC	Waterproof level: IP65
Output channel：RGB 3 channels output	Controller dimension:L191*W55.5*H46.5mm
Output current: 3A/channel	Packaging dimension: L244*W70*H68mm
Output power:108W(12V input)/216W(24V input)	Outer carton dimension:508.5*423*263mm
Maximum remote control distance：100 m (barrier-free indoor)	

Model catalogue:

Model	Matching remote controller	Weight (gross weight)	Packaging qty.	Weight of whole carton
LC-ORGB-D5-01C	Match 8-key remote controller	260 gram	42 pieces	About 11.92kg
LC-ORGB-D5-01D	Match 6-key sliding ring remote controller	310 gram	42 pieces	About 14.25 kg
LC-ORGB-D5-01E	Match 24-key sliding ring remote controller	277 gram	42 pieces	About 12.64kg

Functional description:

1) 52 color modes, such as 7-color static state(can dimming seperately), jump change, gradual change(with pause function);

2) 255 level dimming;

3) 255 level speed regulation.

Dimension(unit:mm):

Color mode:

1.static red

2.static green

3.static blue

4.static yellow

5.static purple

6.static cyan

7.static white

8.red-green jump change

9.red-blue jump change

10.green-blue jump change

11.yellow-cyan jump change

12.yellow-purple jump change

13.cyan-purple jump change

14.red-green-blue jump change

15.yellow-purple-cyan jump change

16.red- green -blue -yellow -purple - cyan- white -jump change

17. red gradual change

18. green gradual change

19.blue gradual change

20.yellow gradual change

21.purple gradual change

22.cyan gradual change

23.white gradual change

24.red-green gradual change
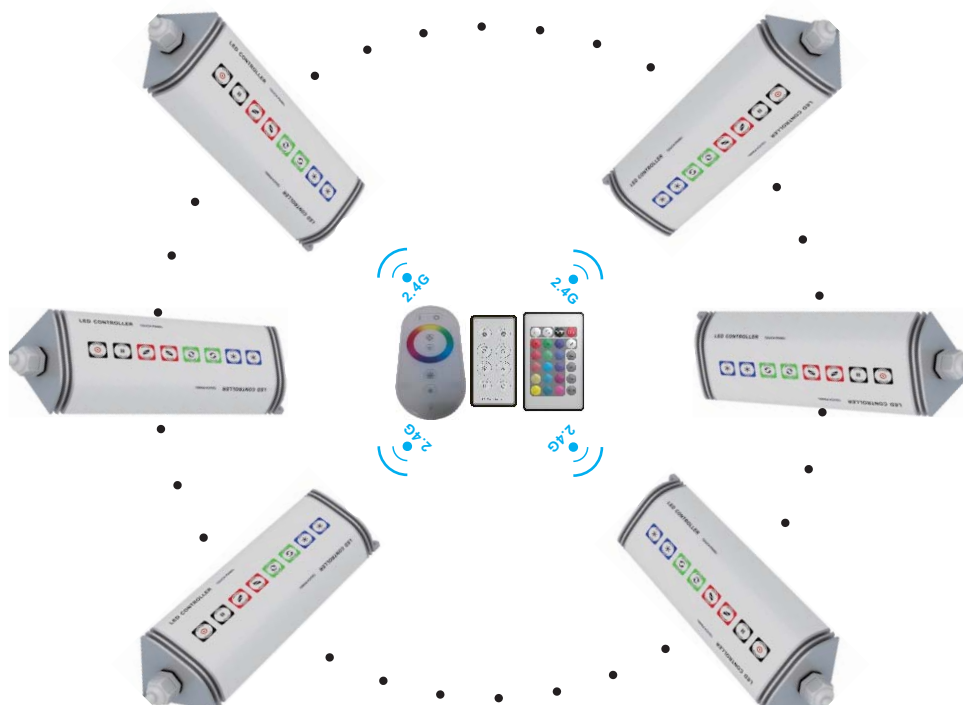
25.red-blue gradual change

26.green-blue gradual change

27.yellow-cyan gradual change

28.yellow-purple gradual change

29.cyan-purple gradual change

30.red-green-blue gradual change

31.yellow-purple-cyan gradual change

32.red-green-blue-yellow-purple-cyan-white gradual change

33.red-green mixed color gradual change

34.red-blue mixed color gradual change

35.green-blue mixed color gradual change

36.red-green-blue mixed color gradual change

37.red flicker change

38.green flicker change

39.blue flicker change

40.yellow flicker change

41.purple flicker change

42.cyan flicker change

43.white flicker change

44.red green flicker change

45.red blue flicker change

46.green blue flicker change

47.yellow cyan flicker change

48.yellow purple flicker change

49.cyan purple flicker change

50.red-green-blue flicker change

51.yellow-purple-cyan flicker change

52.red-green-blue-yellow-purple-cyan-white jump change

Wiring diagram:

12/24V DC

Display drawing of controller:

Instruction for use:

1.Controller key description

(1).POWER------on/off

(2).PAUSE------can stop change temporarily in dynamic mode(invalid in static mode)

3.MODE+------Mode increase

4.MODE-------Mode decrease

5.SPEED+------Speed increase (invalid in static mode)

6.SPEED-------Speed decrease (invalid in static mode)

7.BRT+------Brightness increase (invalid in dynamic mode)

8.BRT-------Brightness decrease(invalid in dynamic mode)

2.Matching steps of remote controller

(1)Touch on/off key on controller;

(2)Touch pause key on controller, enter into learning mode;

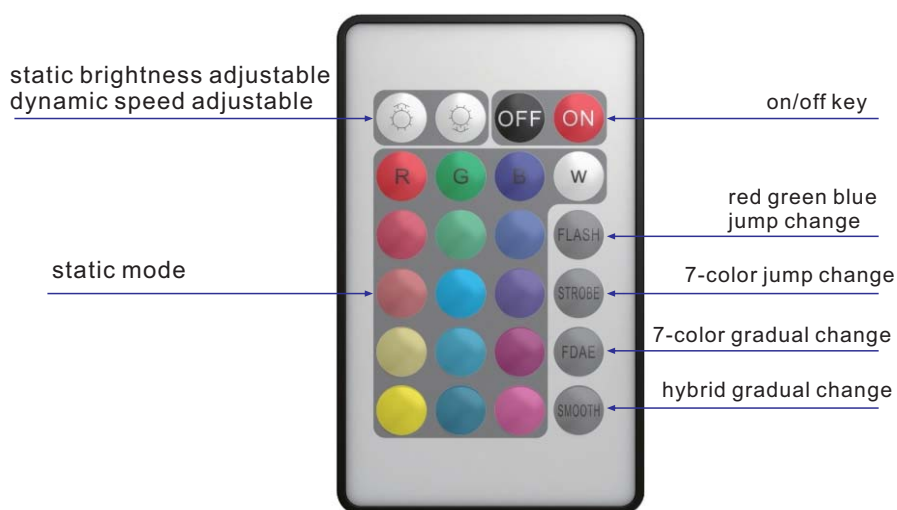(3)Press any key or sliding ring of controller to be matched in 5 seconds, and learn success.

3.Key description of 8-key remote controller (time to equip 8-key remote controller)
1)Power supply 2) Pause 3)mode+ 4)mode- 5)speed+ 6) speed- 7)brightness+ 8)brightness-

4. 6-key remote controller key description(time to equip 6-key remote controller)

⊘ off   ❙ on   ❀ mode+   ❀ mode-   ☀ brightness/speed+   ☀ brightness/speed-

5.Key function description of 24-key remote controller (with 24-key remote controller)

static brightness adjustable dynamic speed adjustable

on/off key

static mode

red green blue jump change

7-color jump change

7-color gradual change

hybrid gradual change

❗ **Notice**：

1. Current of each RGB channel can't exceed 3A, to avoid burning out controller;

2. Output driver method of the controller is constant-voltage driver, and driver voltage is consistent with voltage of power supply;please choose appropriate DC power supply to avoid burning out lamps;

3. Please use DC 12/24V power supply for the controller, please don't directly use civil high- voltage power supply.

4. When install controller,disconnect power of controller, and connect LED product with controller,make sure correct connecton then power on controller.