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# 2.4G RGB CONTROLLER

## LC-0RGB-D4-16

### Description:

The controller adopt high performance processor, and control RGB LED strip,RGB luminaires via 2,4 G wireless remote controller. User can choose color, mode and change speed via 2,4G remote controller. The controller features dimming, pause when change, dimmable and other functions (52 color modes, touch slide ring control), and it also has synchronizing function,the color effect between multiple units can be synchronous.

### Features:

- 1.Max. control distance of controller can be up to 100m(in open condition);
- 2.Each remote controller can control multiple controllers, and it has synchronous function.

### Technical parameters:

- 1.Working voltage: 12~24V  $\pm$ 5%;
- 2.Max. current: 3A(single channel) 9A in total;
- 3.Control color type: RGB;
4. Receiveing sensitivity :-96dBm;
- 5.Transmitting power:6dBm;
- 6.Color mode:52 kinds;
- 7.Work environment:indoor;
8. Waterproof grade: IP20;
- 9.Working temperature range: -30  $^{\circ}$ C-55 $^{\circ}$ C;
- 10.Product dimension: L99.5\*W45\*H22.5mm;
- 11.Packing dimension:L107\*W52\*H35mm
- 12.Weight(gross weight): about 105 gram.



### Function description of remote controller:

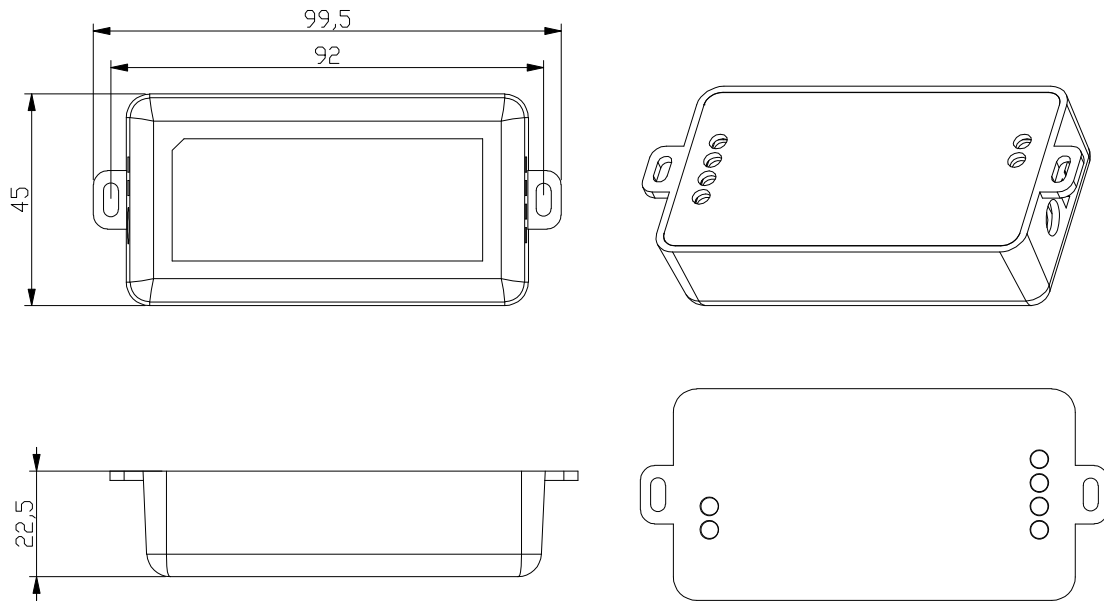
#### 1. Remote Control Key Description

- (1)POWER, on/off
- (2)PAUSE, pause during 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)

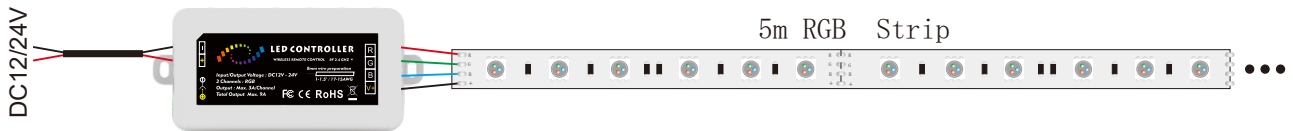
#### 2.Remote controller matching steps

- (1)Disconnect controller power;
- (2)Reapply power on controller ;
- (3)Press any key of controller to be matched in 5 seconds, and match finish.

**Dimension(unit:mm):**



**Wiring diagram:**



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## 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 flicker change

## Notice :

1. The product must be installed by professionals;
2. When install controller, first power off, connect LED products with controller, then power on after correct connection;
3. Non-waterproof, the product must be used in dry environment;
4. Good thermal management performance will prolong lifetime of controller, please install product in environment with excellent ventilation;
5. Ensure input voltage conform to voltage range requirement of product;
6. The used wire must load the connected load, ensure secure connection;
7. Before power on, ensure all connection are correct to avoid lamps damage caused by wrong wiring;
8. If fault has occurred, don't repair without permission, please contact manufacturer.