



Mini RGB LED Controller

LC-0RGB-D5-06



Features

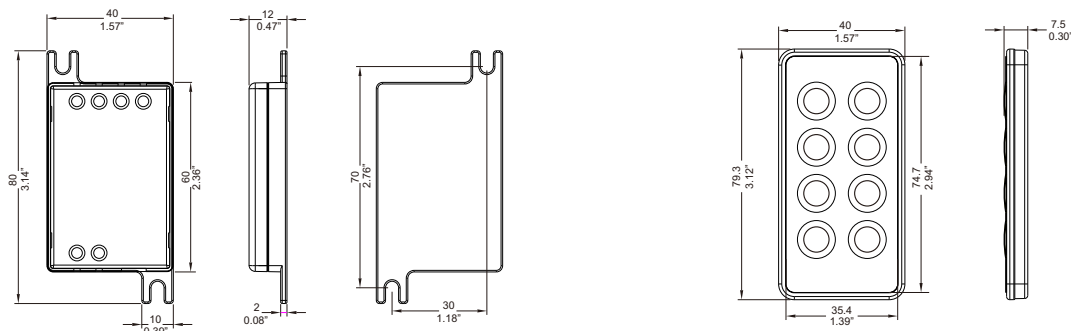
The controller adopt high performance processor, and control RGB LED strip, RGB luminaires via 2,4 G wireless remote controller. User can choose color, mode and change speed via 2,4G remote controller. The controller features dimming, pause when change, dimmable and other functions (16 color modes, touch slide ring control), and it also has synchronizing function, the color effect between multiple units can be synchronous.

Technical Parameter

1. Working voltage: 12/24V;
2. Max. current: 3A(single channel) 9A in total;
3. Control color type: RGB;
4. Output Power: 108W (12V input) /216W(24V input)
5. Receiving sensitivity :-96dBm;
6. Transmitting power:6dBm;
7. Color mode:16 kinds;
8. Work environment:indoor;
9. Waterproof grade: IP20;
10. Working temperature range: -30 °C-55°C;
11. Control distance: 100m(in open condition).



Dimensions (Unit: mm/inch)



Function Descriptions

- 16 Modes, such as 7 colors static mode (dimming alone), 7 colors jump and smooth fade (available with pause/freeze function)
- 255 levels of brightness adjustment
- 255 levels of speed adjustment

Changing Patterns

Static red	Static White	Purple fade in and out
Static Green	Seven colors jump	Cyan fade in and out
Static blue	Red fade in and out	White fade in and out
Static yellow	Green fade in and out	RGB fade in and out
Static purple	Blue fade in and out	
Static Cyan	Yellow fade in and out	

Operation Descriptions

- Function of key board keys
 - (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)

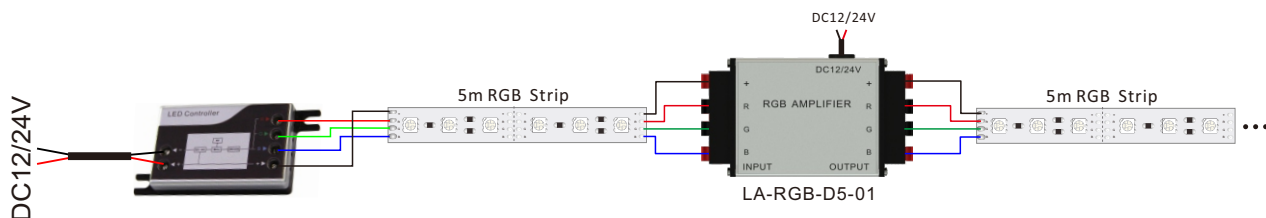


2. How to match a controller with a key board with different address code?

If the user loses the key board, an economic way is to keep the controller and buy another key board. Then match these 2 devices.

- (1). Connect a RGB LED luminaire. Use a pointed thing (such as small screw driver) to press the address key on the upside. When the LED luminaire changes to red color, it means the controller is ready to match the key board.
- (2). Press any key on the key board. If the luminaire changes to green color, it means the controller has already matched the key board.

Controller Installation And Connection Diagram



! Notice:

1. Please make sure the average current of each channel not more than 3A, overload may destroy the controller.
2. This controller has the constant voltage driver, the output voltage is the same as the input, so please choose a suitable DC power supply to avoid destroying your product.
3. Use DC 12V/24V power supply, Civil HVPS is forbidden
4. Need to match with key board only when the present controller doesn't response to the key board.
5. If the controller doesn't work when it is connected with the RGB LED luminaire.
 - (1) Please check whether the power supply is working.
 - (2) If the power supply is ok, maybe the controller is under the fade mode and PAUSE function enabled, press the MODE key on the key board several times to change into other modes or disconnect the power supply and connect again.
 - (3) Match the key board again as before.
6. When installing the controller, first cut off the power of controller, connect well the LED light with controller, then connect the controller with power supply.