

Waterproof LED Controller

LC-0RGB-D5-01D



Use with remote controller



LR-0RGB-D1-02

Technical Parameter

Input voltage: DC12/24V

Output channel: RGB three channels

Output current: 6A per channel

Output power: 216W (12V input) /432W (24V input)

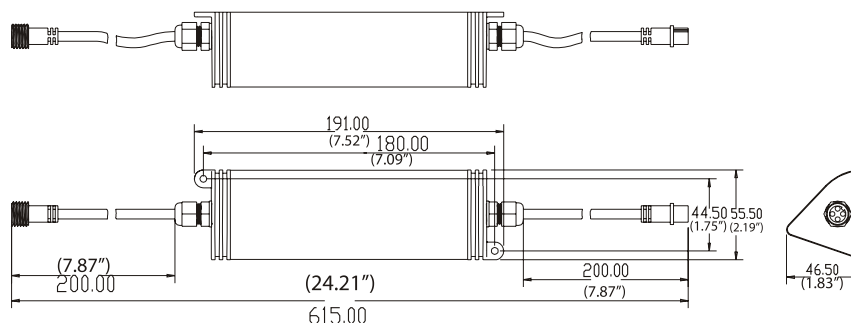
Waterproof: IP65

Features



The LC-0RGB-D5 waterproof controller is designed for normal RGB LED strips and low voltage RGB LED luminaires. It has 16 pre-defined patterns. The controller is easy to use by the unique touch interface technology and the humanized design. Not only the touch interface but also a paired wireless remote control (two remote control optional: 8 key remote control and touch remote control) within the distance of 30m can be used. With the learning function, it applies to the same model remote control in different encodings addresses. The controller is compatible with 12V DC and 24V DC, so it can be used for most RGB LED products in the market. Besides, the controller set a MCU internal PWM dimming hardware to achieve flickerless dimming. High-power MOS drive, and the total current of RGB three channels drive reach 18A.

Dimensions



Function Descriptions

1. 16 color patterns, for example, seven colors static (individually adjustable), jump, and gradual change (with pausing function)
2. 60 levels of brightness adjustment
3. 60 levels of speed regulation

Color Patterns







- | | | |
|------------------|--------------------------|--------------------------------|
| 1. Static red | 6. Static cyan | 11. Blue gradual change |
| 2. Static green | 7. Static white | 12. Yellow gradual change |
| 3. Static blue | 8. Seven-color jump | 13. Purple gradual change |
| 4. Static yellow | 9. Red gradual change | 14. Cyan gradual change |
| 5. Static purple | 10. Green gradual change | 15. White gradual change |
| | | 16. Seven-color gradual change |

Operation Descriptions

1) keys function of controller

POWER	Power on/off.
PAUSE	Freeze the status when fade or jump, invalid under static mode.
MODE+	Mode +
MODE-	Mode-
SPEED+	Speed+, invalid under static mode.
SPEED-	Speed-, invalid under static mode.
BRT+	Brightness+, invalid under light fade mode except pause is enabled.
BRT-	Brightness-, invalid under light fade mode except pause is enabled.

2) keys function of remote

	: Switch off
	: Switch on
	: Last mode
	: Next mode
	: Increase brightness/speed
	: Decrease brightness/speed

3) Remote address learning (applies to the same model remote control in different encodings addresses, the 8 key remote control and touch remote control are in the same learning way).

1. Switch the Controller off
2. Push the "Pause" button-red light indicates pairing mode
3. Press any key on the remote to link them-2 green flashes indicate successful pairing

Safety Information

- (1) Please be sure each channel has the max. load 6A. Overload in current may destroy the controller.
- (2) The controller uses constant voltage driving mode, so its working voltage as the same as its feeding power supply. Please choose the right DC power supply to avoid destroying the luminaries.
- (3) Please use the DC 12V/24V power supply for the controller. Do not use the civil high voltage power supply directly.
- (4) 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.