

LD1051380 - LEDBOX

IR BT remote Led Controller-RGB

Adopts the advanced micro control unit, it is used for controlling constant voltage RGB LED lamps. For instance, point source of light, flexible light strip and so on; Belong to low-voltage DC power input and output with four interfaces, including + V is extremely common interfaces, the other three for the RGB control interface. Meanwhile, you could adjust brightness, static color choices and various dynamic changes in lighting effects through infrared 14keys remote control.



Product Features

- Designed for RGB constant voltage LED lights, Working voltage DC12-24V.
- Three channels output, Max. load current: 3CH*2A; Max. load power: 72W/12V; 144W/24V.
- Adopts IR 14keys remote control with fashion appearance, distance up to 10 meters in the open air.
- Memory function, each time power-on reserve the mode which stop in the last power-down;
- 26 modes in total, including 16 static colors and 10 dynamic changes.
- The brightness of static color is adjustable, 256 levels in total; the speed of dynamic changes is adjustable, 100 levels in total.
- Long-press the brightness and speed key can get the fast adjustment, convenient for operation.
- Warranty of this product is one year, exclude the artificial situation of damaged or overload working.

Technical Parameters

Controller:

Working temperature	-20-60 °C	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	common anode
Grayscale	256 levels	Speed stage	100 grade
External dimension	L61*W35*H22 mm	Packing size	L150*W65*H40mm
Net weight	90g	Gross weight	110g
Output	3 channels	Max. Output current	2A*3CH
Mode	26	Remote distance	Up to 10M
Max. Output power	12V:72W, 24V:144W	Memory function	Support

Remote control:

Working temperature	-15 °C~60°C	Supply voltage	DC3V (CR2032battery)
Static current	<3uA	Work current	<20mA
Net weight	50g	Carrier frequency	38.0KHZ±0.76KHZ
External dimension	L138*W40*H10 mm	Remote distance	10M

Interface Specifications

Power input interface:



Adopt conventional power transpose as a DC power input interface. Infrared receiver interface:



Adopt oblate three-way wire, and connect an infrared receiver to receive an external infrared.

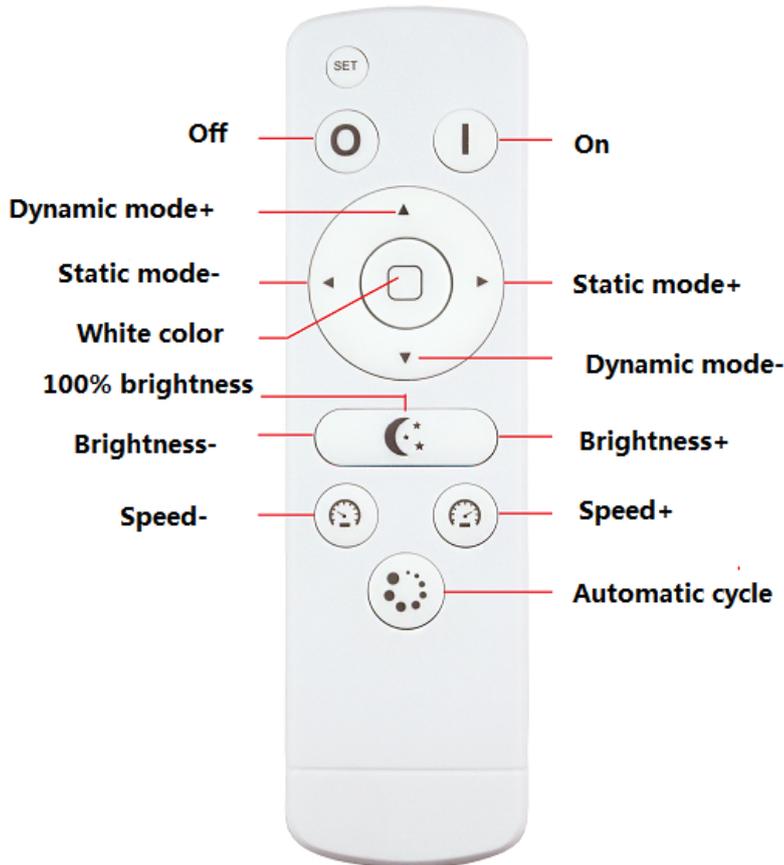
Load output interface:



Direction for use

- Connect the load wire at first, followed by the power wire; Please ensure short circuit can not occur between wires before turning on the power;
- Operation: to ensure that there is no barrier between the remote controller and the receiver.

The function of buttons are shown as below:



Name of key	Function description
on	Turn on the controller output
off	Turn off the controller output
Dynamic mode+	For dynamic mode selection, each time pressing goes to the next dynamic mode
Dynamic mode-	For dynamic mode selection, each time pressing return to the last dynamic mode
Static mode+	For static color selection, each time pressing goes to the next color
Static mode-	For static color selection, each time pressing return to the last color
White color	White color hot key
100% brightness	press this key goes to 100% brightness for the present color
Brightness+	Each time pressing brightness +1, 256 levels in total, long-pressing can get fast adjustment
Brightness-	Each time pressing brightness -1, 256 levels in total, long-pressing can get fast adjustment
Speed+	Each time pressing speed +1, 100 levels in total, long-pressing can get fast adjustment
Speed-	Each time pressing speed -1, 100 levels in total, long-pressing can get fast adjustment
Automatic cycle	All dynamic modes are automatically circulating in order

Static mode

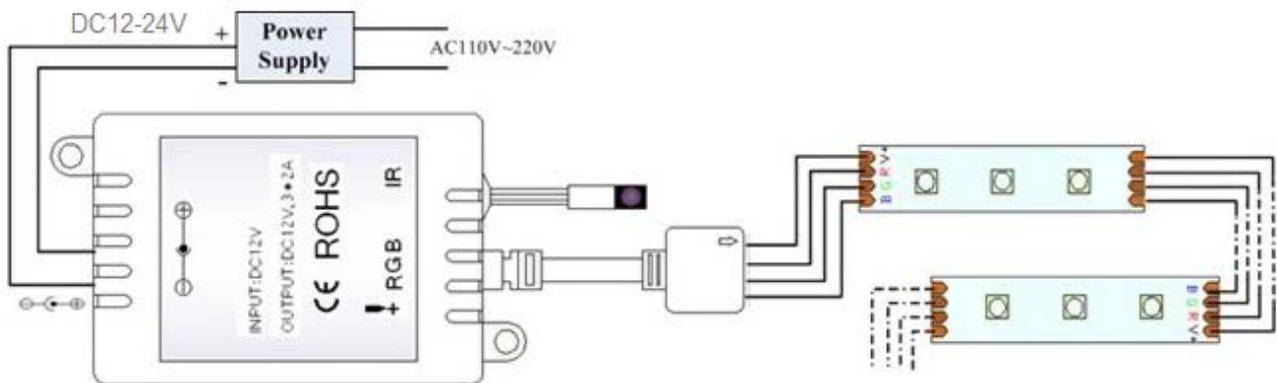
No	Color	Remarks	NO	Color	Remarks
1	Static red	Brightness is adjustable, speed is unadjustable	9	Static Brown	Brightness is adjustable, speed is unadjustable
2	Static green		10	Static yellow	
3	Static blue		11	Static light blue	
4	Static orange		12	Static Pink	
5	Static light green		13	Static light yellow	
6	Static deep blue		14	Static light blue	
7	Static deep yellow		15	Static purple	
8	Static cyan		16	White color	

Dynamic mode

NO	Patterns	Remarks	No	Patterns	Remarks
1	White breathe	Speed is adjustable, brightness is unadjustable	6	7 color fade	Speed is adjustable, brightness is unadjustable
2	White flash	Speed is adjustable, brightness is unadjustable	7	R/B cross fade	
3	3 color jumpy		8	B/G cross fade	
4	7 color jumpy		9	R/G cross fade	
5	3 color fade	Speed is adjustable, brightness is unadjustable			

Typical Applications

Application Circuit :



Product information for placing order

Product name	Item number
IR BT remote Led Controller-RGB	LD1051380