

LD1051379 – LEDBOX

IR BT Led Controller-CCT

Adopts the advanced micro control unit, it is used for controlling constant voltage CW+WW 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 the common positive interfaces, the other two for the negative interface. Meanwhile, you can turn on/off, adjust brightness/color-temperature for different lighting effects through infrared 14keys remote control.



Product Features

- Designed for CW+WW constant voltage LED lights, Working voltage DC12-24V.
- Three channels output, Max. load current: 2CH*2A; Max. load power: 48W/12V; 96W/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;
- 7 modes in total, including 3 static colors and 4 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	2 channels	Max. Output current	2A*2CH
Mode	7	Remote distance	Up to 10M
Max. Output power	12V:48W, 24V:96W	Memory function	Support

Remote control:

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

Interface Specifications

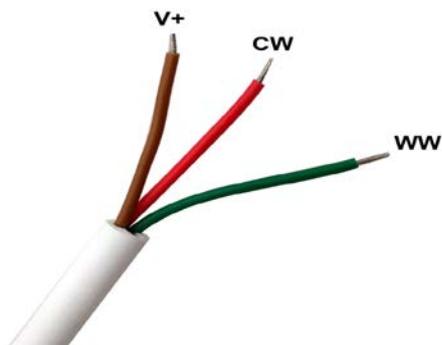
Power input interface:



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



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.

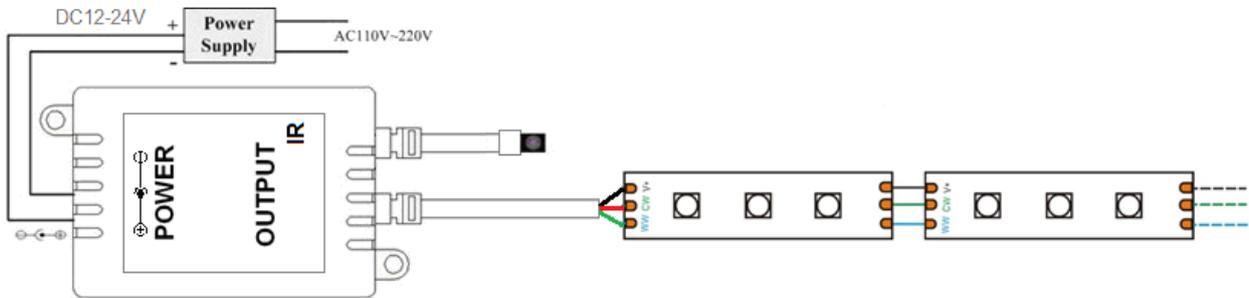
The functions of buttons are shown as below:



Name	Description
ON	Turn on
OFF	Turn off
Brightness +	The brightness will add 1 level after each time press. Long-press can get fast adjusting.
Brightness -	The brightness will reduce 1 level after each time press. Long-press can get fast adjusting.
CW balance key	Balance to cool white. Long-press can get fast adjusting.
WW balance key	Balance to warm white. Long-press can get fast adjusting.
Mode	Hot key for 3 CCT full-light: 100% CW, 100% WW, 100%CW+100%WW, and 4 dynamic modes.
Night light	Press the button go to night light mode (night light Setting : Under night light mode, press "Set button" and hold on for 10 seconds will go into the night light setting, press the left button to down the brightness, press the right button to up the brightness. Adjustable range: 1%-10%.)
Speed +	Add the speed of dynamic mode. Long-press can get fast adjusting.
Speed -	Reduce the speed of dynamic mode. Long-press can get fast adjusting.
Delay off	The light will be delay off in 30 seconds.

Typical Applications

Application Circuit 1:



Product information for placing order

Product name	Item number
IR BT remote LED Controller-CCT	HX-IRBT001-CCT