44-key Infrared LED Remote Controller Manual

Product Specifications

Model Name: LP-IR44A

This product warranty is 1years（ exclude the artificial situation of damaged or overload working ）

Before installing this product，Please read this manual carefully. Ensure full understanding of this specification to avoid unnecessary damage and additional costs.

Product Description

44-key infrared controller adopts the advanced micro control unit, it is used for controlling a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, wall washer lamp, glass curtain wall light and so on; it has many advantages such as low price, easy connection and simplicity to use. Meanwhile, you could adjust brightness, static color choices, customize any color and various dynamic changes in lighting effects through infrared remote control.

External Dimension

（Controller） （Remote control）

（Packing size）

Technical Parameters

Working temperature	-20-60℃
Supply voltage	DC5V, 12V，24V optional (specify the required voltage on orders)
0utput	3 channels
Connecting mode	common anode/cathode optional (specify the required voltage on orders)
External dimension	L61*W35*H22 mm
Packing size	L136*W48*H59 mm
Net weight	60g
Gross weight	85g
Static power consumption	<1W
Output current	<2A(each channel)
Output power	5V:<30W, 12V:<72W, 24V:<144W

Interface Specifications

Power input interface:

Adopt conventional power transposon 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:

Adopt oblate interface.

Direction for use

● Connect the load wire at first, following by the power wire; Please ensure short circuit can not occur between connecting wire before you turn on the power；

● Operation: you will receive infrared remote control in front of infrared receiver to ensure that there is no barrier between the remote controller and receiver.

The key-press functions are shown in the table as below (in accordance with the key position order):
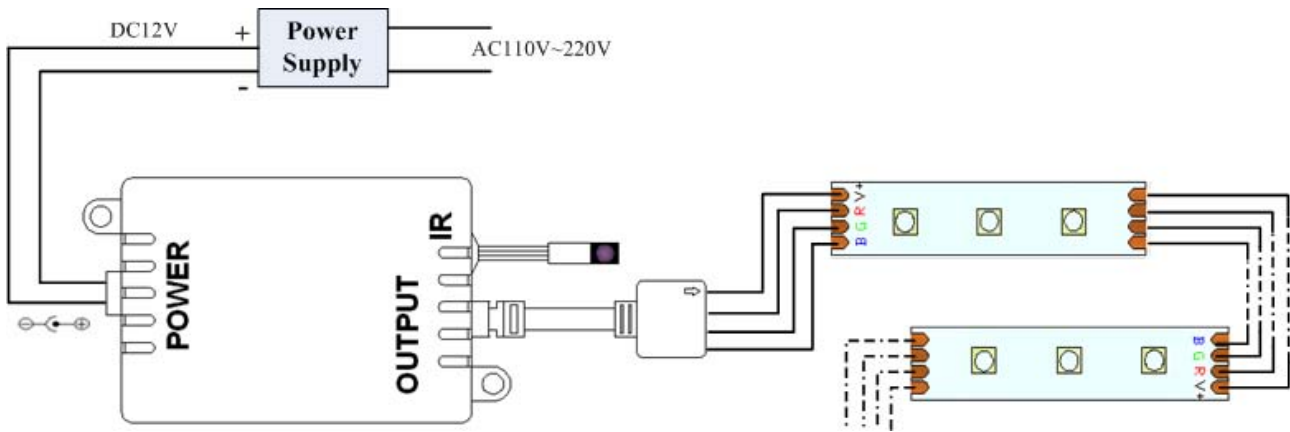
Brightness rise	Brightness fall	Pause/Run	On/Off
Static red	Static green	Static blue	Static white
Static orange	Static light green	Static dark blue	Static milk white
Static dark yellow	Static cyan	Static lyons blue	Static white pink
Static yellow	Static light blue	Static purple	Static green-white
Static light yellow	Static sky blue	Static brown	Static blue white
Increase red	Increase green	Increase blue	Speed up
Decrease red	Decrease green	Decreaseblue	Speed-down
DIY key1	DIY key2	DIY key3	Automaticchange
DIY key4	DIY key5	DIY key6	Flash on and off
3 color jumpy change	7 color jumpy change	3 color fade change	7 color fade change

Supplement：About DIY key, when it's pressed first time, will enter the DIY color mode, you can adjust the color per the 6 keys at above to increase or decrease the R/G/B color by yourself freely（if other key is pressed this time，will jump out from DIY color mode）. And you can save the color which you have adjusted by pressing the DIY key once again. When next time this key is pressed, it will show the color you saved last time.

There are 6 DIY keys, so you can save 6 colors you like. They are all Independent, have no effect each other. For example: if you press DIY key1 first, and then press DIY key2, DIY key1 will be invalid, until DIY key2 is pressed once again, current color will be saved.

Typical Applications

Application Circuit:

⚠ Notes

1. Supply voltage of this product is DC12V, never connect to others or AC220V.
2. Before using the infrared remote, the insulating film should removed.
3. Lead wire should be connected correctly according to grade that connecting diagram offers.
4. This product is not to overload;
5. Warranty of this product is two year, but exclude the artificial situation of damaged or overload working.

Common Problems

Problems	Possible cause	Solution
1. Lamp does not light after power	Power cord is not properly connected, or there is not output switching power supply	Connect the power cord properly or replay the power
	Lamp power cord is not connected or short circuit	Connected lighting power cord
2. After connecting some of the load the controller does not work	The connected load is too large，so that it has burned in some of the components of the controller	Replace parts of components or replace the controller
3. After connecting to power the controller is working properly，but remote control can not work	1. The blank on the button cell of remote controller did not pulled out 2. the remote controller do not target the receiver	1.Take away the transparent blank 2.Target the remote controller to the receiver