

GN-CTL006

24-key Aluminum Infrared Controller

Product Specifications



This product warranty is 1 years (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

24-key aluminum 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 and various dynamic changes in lighting effects through infrared remote control. In addition, customers can adjust their light color as they like.

External Dimension

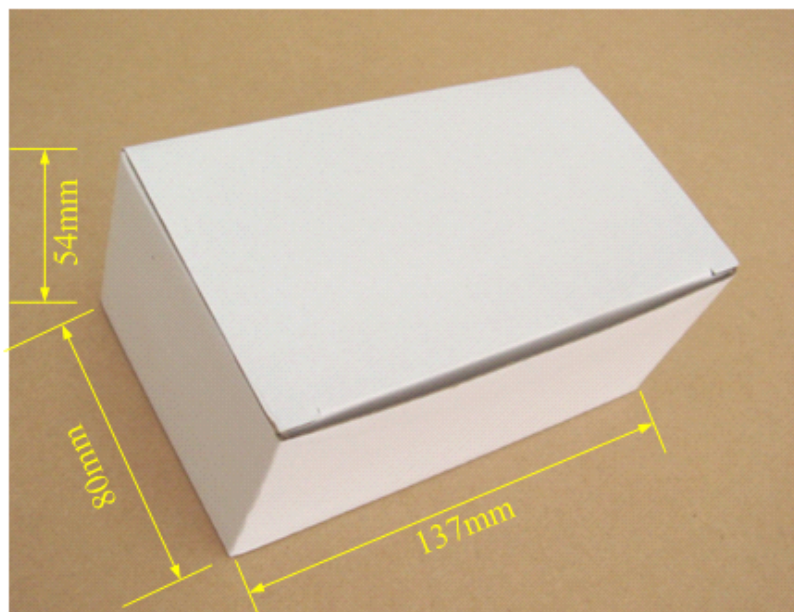
(Controller)



(Remote control)



(Packing size)



Technical Parameters

Working temperature	-20-60°C
Supply voltage	DC5V, 12V~24V optional (specify the required voltage on orders)
Output	3 channels
Connecting mode	common anode/cathode optional (specify the required voltage on orders)
External dimension	L130*W64*H24 mm
Packing size	L137*W80*H54mm
Net weight	185g
Gross weight	215g
Static power consumption	<1W
Output current	<4A(each channel)
Output power	5V:<60W, 12V:<144W, 24V:<288W

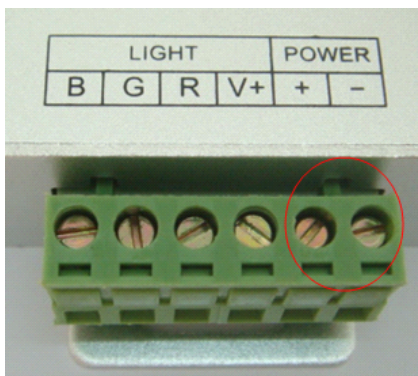
Interface Specifications

Power input interface (port1):



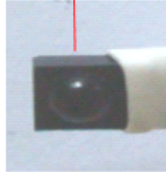
Adopt conventional power transposon as a DC power input interface.

Power input interface (port2):



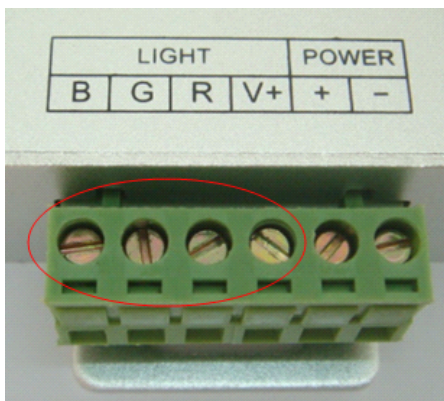
Adopt male and female connector with screw.

Infrared receiver interface:



Adopt built-in infrared receiver.

Load output interface:






















Adopt male and female connector with screw.

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):

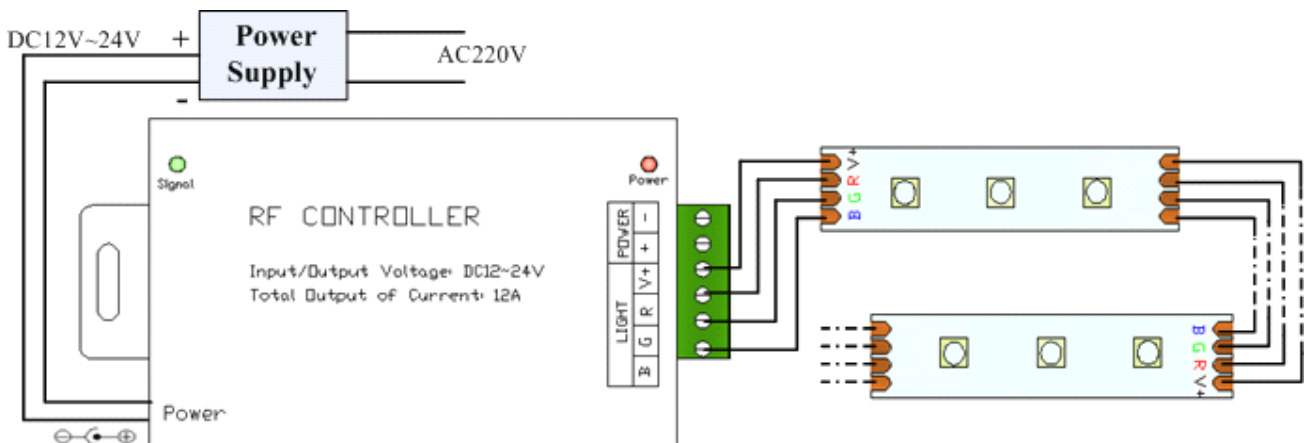
Symbol	Key note	Symbol	Key note	Symbol	Key note	Symbol	Key note
	Brightness + (16 in all)		Brightness- (16 in all)		Off		On
	Static red		Static green		Static blue		Static white
	Static orange		Static pea green		Static dark blue		Single color stroboflash
	Static dark yellow		Static cyan		Static brown		Single color Gradual changing

	Static yellow		Static light blue		Static pink		3 base colors/7 colors fade change
	Static straw yellow		Static sky blue		Static purple		3 base colors/7 colors jumpy

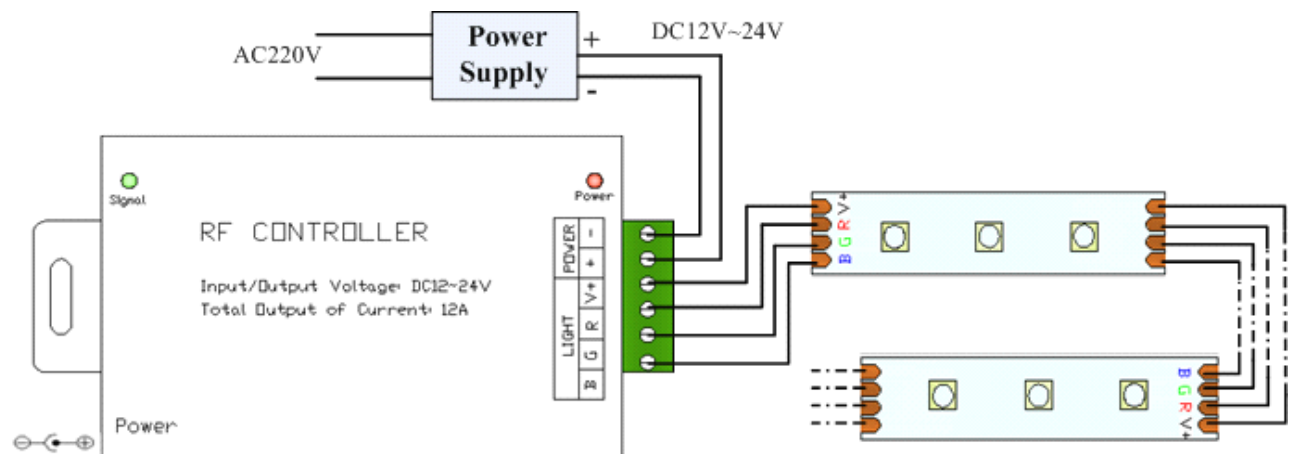
Direction: ①When switching to dynamic modes the button of “Brightness +” / “Brightness -” means the speed of light change is up/ down, there are 100 step in all. ②The FADE and SMOOTH all have two modes, which are “3 base colors jumpy/7 colors jumpy” and “3 base colors fade/7 colors fade”, you can press one more time to change it. ③when FADE and SMOOTH, the “FLASH” and “STROBE” key are invalid. ④When in the static modes, press the “FLASH” / “STROBE” key, the mode will change to be “ the single color Strobeflash/ Gradual changing”.

Typical Applications

Application Circuit1:



Application Circuit2:





Notes

1. Supply voltage of this product is DC12V~24V, never connect to others or AC220V.
2. Before using the infrared remote, the insulating film should be removed.
3. Lead wire should be connected correctly according to the connecting diagram.
4. This product is not to be overloaded.
5. Warranty of this product is two years, but excludes artificial situations of damage or overload.

Common Problems

Problems	Possible cause	Solution
1. Lamp does not light after power	Power cord is not properly connected, or there is no output from the switching power supply	Connect the power cord properly or reset the power
	Lamp power cord is not connected or short circuit	Connect the 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 some of the components of the controller	Replace parts of the components or replace the controller
3. After connecting to power, the controller works properly, but the remote control does not work	1. The blank on the button cell of the remote controller is not pulled out. 2. The remote controller does not target the receiver	1. Take away the transparent blank. 2. Target the remote controller to the receiver