

# **GN-CTL001-24K**

## 24-key Infrared Controller

# Product Specifications



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

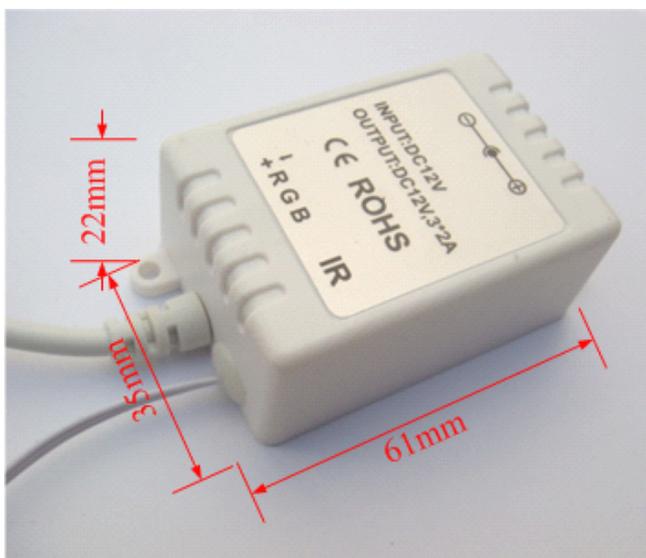
Before installing this product, Please read this manual carefully. Ensure full understanding of this specification to avoid unnecessary damage and additional costs.

## Product Description

24-key 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.

## External Dimension

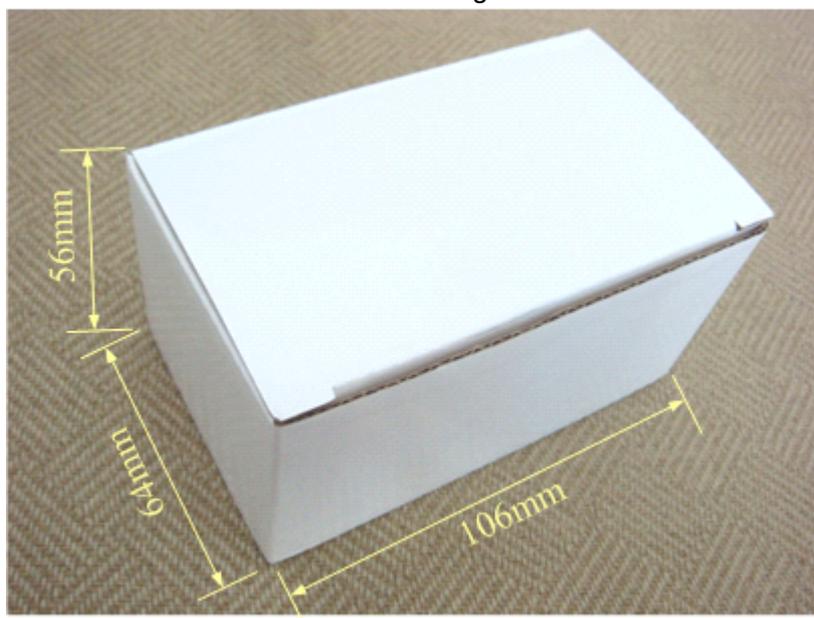
(Controller)



(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	L61*W35*H22 mm
Packing size	L106*W64*H56 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.

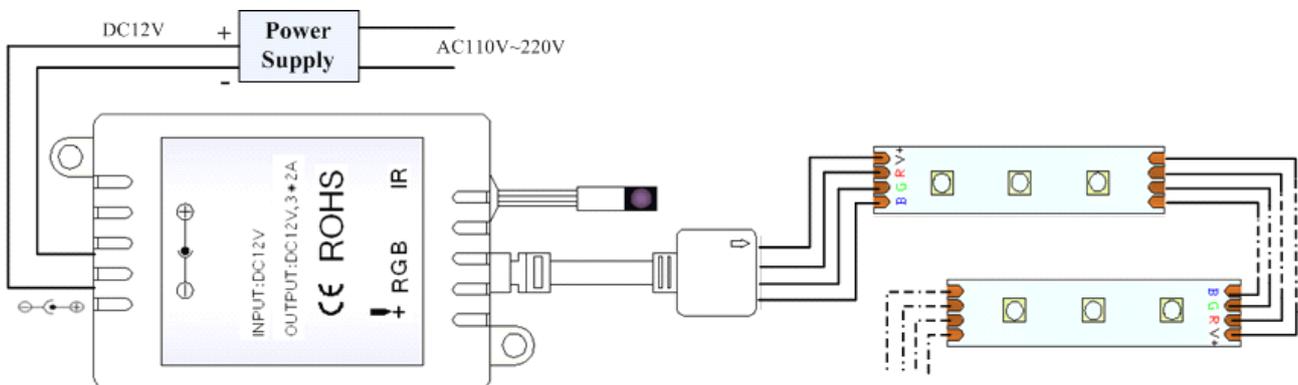
The key-press functions are shown in the table as below (in accordance with the key position order):

Symbol	Key note	Symbol	Key note	Symbol	Key note	Symbol	Key note
	<b>Brightness +</b> ( 16 in all )		<b>Brightness-</b> ( 16 in all )		<b>Off</b>		<b>On</b>
	<b>Static red</b>		<b>Static green</b>		<b>Static blue</b>		<b>Static white</b>
	<b>Static orange</b>		<b>Static pea green</b>		<b>Static dark blue</b>		<b>7 color jumpy change</b>
	<b>Static dark yellow</b>		<b>Static cyan</b>		<b>Static brown</b>		<b>All fade out &amp; fade in</b>
	<b>Static yellow</b>		<b>Static light blue</b>		<b>Static pink</b>		<b>7 color fade change</b>
	<b>Static straw yellow</b>		<b>Static sky blue</b>		<b>Static purple</b>		<b>3 base color jumpy</b>

Direction: When switching to four dynamic mode (7 color jumpy change, All fade out & fade in, 7 color fade change, 3 base color jumpy), the button of "Brightness +"/ "Brightness -" means the speed of light change is up/ down, there are 32 step in all.

## Typical Applications

Application Circuit:





## 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 working.

## 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 or components or replace the controller
3. After connecting to power, the controller works properly, but 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. Remove the transparent blank. 2. Aim the remote controller at the receiver.