# Product Specifications

**Name: 44-key Infrared Controller**



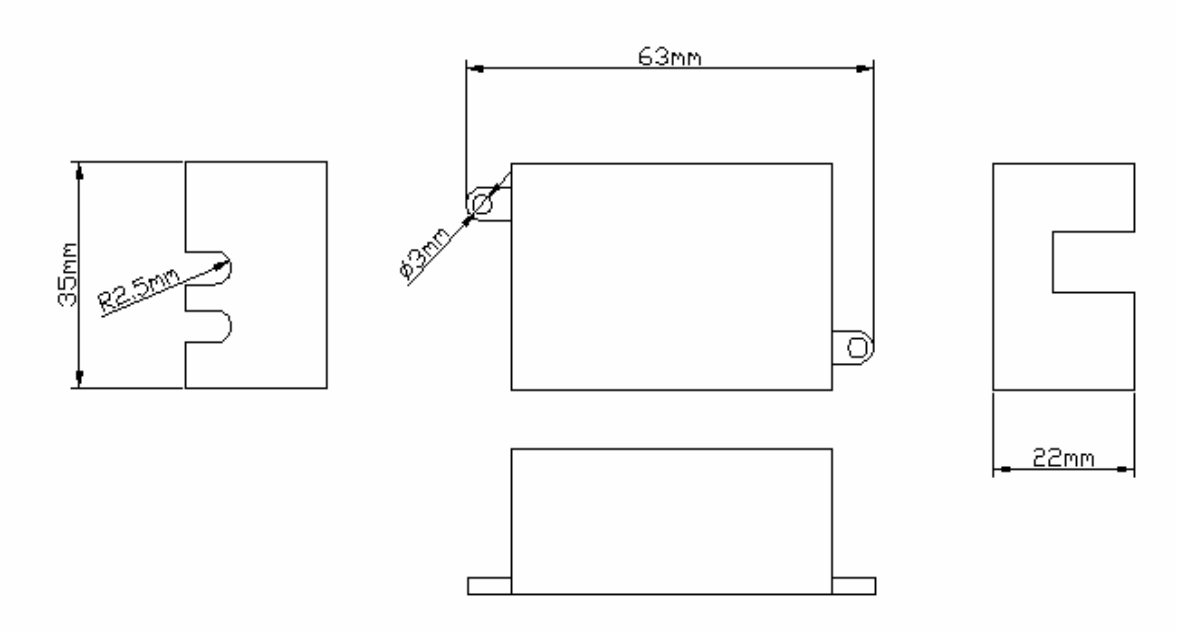

## Summarization

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 and various dynamic changes in lighting effects through infrared remote control. Besides, you also could adjust random color by yourself freely.

## Technical Parameters

- Working temperature：-20-60 ℃
- Supply voltage: DC5V, 12V, 18V, 24V optional (specify the required voltage on orders)
- 0utput: 3 channels
- Connecting mode：common anode
- External dimension：L63XW35XH22 mm
- Controller dimension：L125XW56XH7mm
- Packing size：L130XW60XH35 mm
- Net weight: 60g
- Gross weight: 90 g
- Static power consumption: <1 W
- Output current: <2 A (each channel)
- Output power: 5V:<30W,  12V:<72W,  24V:<144W

## External Dimension



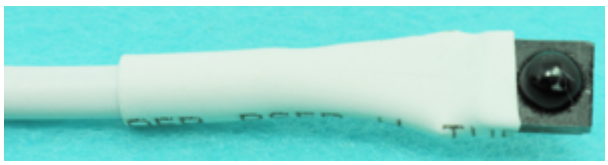

## Interface Specifications

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

1. 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；
2. 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(a total of eight grading) | Brightness fall(a total of eight grading) | 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 | Decrease blue | Speed-down |
| DIY key1 | DIY key2 | DIY key3 | Automatic change |
| 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 |

3. Complement explanation：

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 color 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

