

Product Specifications

Name: 44-key Infrared Controller

Model:IR440



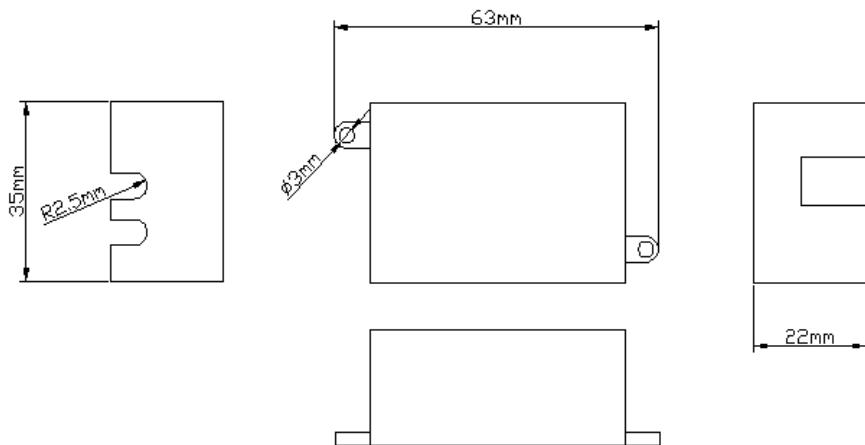
Summarization

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. In addition this product has short circuit protection function to make sure the load working normally.

Technical Parameters

- Working temperature: -20-60 $^{\circ}\text{C}$
- Supply voltage: DC5V, 12V-24V optional (specify the required voltage on orders)
- Output: 3 channels
- Connecting mode: common anode
- External dimension: L63XW35XH22 mm
- Controller dimension: L125XW56XH7 mm
- Packing size: L130XW60XH35 mm
- Net weight: 60g
- Gross weight: 90g
- Static power consumption: <1W
- Output current: <2A
- Output power: 5V:30W,12V:<72W,24V:<144W

External Dimension



Interface Specifications

| ITEM NAME | PICTURE | REMARK |
|-----------------------------|---------|---|
| Power input interface | | dopt conventional power Transposon as a DC power input interface. |
| Infrared receiver interface | | |
| Load output interface | | dopt oblate interface , and arrow is designate load output positive . |

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;** If it is not careful to happen load short circuit, the controller will be closed, you need to check the wire attachment and power on again .
2. When operating ,you will hold on the remote control in straight front of infrared receiver to ensure that there is no barrier between the remote control and receiving head;

The key-press functions are shown in the table 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 purple 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. Line sequence setting instructions:

Power on the controller, then press  key, make the controller in output close state. And press  key, the controller will enter into the line sequence setting mode, the load lamp will loop jump according to the certain line sequence. At that time, you could choose the line sequence you want:press the  key, the load lamp will jumpy changing circularly in the order of R, G, B, it shows the line sequence is RGB; press the  key, the load lamp will jumpy changing circularly according to the line sequence of G, R, B,it shows selected line sequence is GRB;press the  key, the load lamp will jumpy changing circularly by B, R, G order,it means the selected line sequence is BRG. After choosing the line sequence you need, press the  key again, the load lamp will go out, that means the line sequence you select is successful, then press the , according to the operating instructions, check the change of the light when pressing the remote, so you can verify if your modified line sequence is correct.

4. Additional notice:

When user want to DIY color , the first time you push the DIY button that it will enter customize color mode immediately , then press the six buttons on the controller to increase/reduce brightness of static red , static green ,static blue (press any key except the DIY button can escape out of customize mode ,and the previous press is invalid), and the second time you push the DIY button , the current color value will be saved . When the DIY button is pressed next time , it will show the recent color value saved .

There are 6 DIY key on the remote for you to set up six color freely ,and the button are individual not interactional. For instance ,press 1-key for one time , then press 2-key , and 1-key is invalid , so you should

press 2-key again to save the current color value.

Typical Applications

AC80~265V 50/60Hz



constant voltage power supply



DC12V

controller

