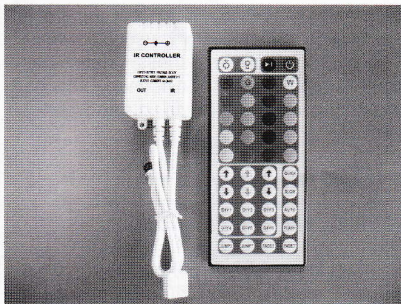# USER MANUAL

44-key Infrared Controller

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.

I. Specifications

Working temperature: -20-60 ℃
Supply voltage: DC□5V□12V□24V
Product size: L63xW35xH22 mm
Packing size: L130xW60xH37 mm
Net weight: 63 g
Gross weight: 91 g
Output: Three CMOS drain-open output
Connecting mode: common anode
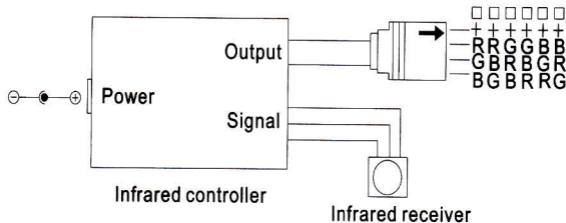Output current: <2 A each color

II. Control Method

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

Brightness +	Brightness -	Pause/Run	On/Off
Static red	Static green	Static blue	Static white
Static orange	Static pea green	Static dark blue	Static milk white
Static dark yellow	Static cyan	Static lyons blue	Static white pink
Static yellow	Static light blue	Static pink	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

III. Safety Information

1. Supply voltage should be follow the specifications, other high voltage would most probably destroy it.
2. Connect the wires of the controller and LED fittings as per the instruction.

IV. Connect Diagram

Output

Power

Signal

Infrared controller

Infrared receiver

+ + + + + +
R R G G B B
G B R B G R
B G B R R G

Special Note: connect the RGB Controller to
LED Strip head via arrow mark to arrow mark