Product Specification

Name：Wireless high-voltage RGB Controller

Model：RF700

Summarization

    This product is a novel high-voltage plastic casing controller developed by our company, plastic casing is safe and beautiful in appearance. Adopting advanced touch design, can flexibly control controller, realize multistage touch dimmer. Touch remote has good performance, beautiful, fashion, easy to use. This product suit for high-voltage lamp strip on every occasions.

Main feature

1) Touch-button is easy to operate and beautiful.

2) Touch-key count up to 64, up to 64 kinds of mode function, small volume , more key function.

3) Easy to use, have color pulley touch screen, all sorts of design and color mode at a glance, can a single point also can continuous touch to realize color mode select, users can speedily choose the needed color, and the static and dynamic mode can change freely.

4) Auto dormancy function, the remote control is without buttons state more than 20 seconds, remote will automatic enter the standby state, realize save electricity, extending battery life.

Technical Parameters
Controller

    working temperature: -20-60 ℃

    supply voltage: AC90-240V

    output voltage: DC90-240V

    output: three N-MOS drain open-circuit output

    connection mode: common anode

    static power consumption: <1W

    output current: <=0.5A (each channel)

    output power: ＜33OW

    external dimension: L132 X W45X H24mm

    packing size: L135 X W75 X H56 mm

    net weight: 94g

    gross weight: 217g

Touch remote

    working temperature: -20-60℃

    power supply mode: AAA*3 battery

    supply voltage: 4.5V

    static power consumption: 0.015mW

    standby current: 3uA

    work current: 200uA

    emission current: 10mA

    remote distance: 20m

    standby time: 3 months

Interface Specification

    Input and output interface:

Instruction

1. Touch remote have 64 touch key, each keys function below:

: you can turn on/off controller output at any state.

: pause key, on the dynamic mode, you can make the controller to stop the current
    state now.

M+ : this key have two functions:

    ①M+ is mode choose key, so when the current control mode is pulley mode(color), if
    you want to realize the mode(color) of M+ key, can press this button.

Wireless high-voltage RGB Controller

②M+ is mode switch key, so when the current control mode is "M" key mode, can press this button to switch the mode(color) which state in the M key mode table.

: this key have 2 functions:

①M- is mode choose key, so when the current control mode is pulley mode(color), if you want to realize the mode(color) of M- key, can press this button.

②M- is mode switch key, so when the current control mode is "M" key mode, can press this button to switch the mode(color) which state in the M key mode table.

: the output signal brightness control, every time you press this button, the brightness series add 1, altogether 25 levels;

: the output signal brightness control, every time you press this button, the brightness series minus 1, altogether 25 levels;

: the output signal speed control, every time you press this button, the speed series add 1, altogether 100 levels;

: the output signal speed control, every time you press this button, the speed series minus 1, altogether 100 levels;

: Colorful pulley touch key, static mode choose key, more than 55 touch points. The button has two functions:

①Pulley static color choice key, so when the current control mode is M key mode (color), if must realize pulley static color, can press this key.

②Pulley color switch key, can change from 55 kinds of static colors (as the pulley shown).

2. Power supply management

stop to use the remote more than 20s, the remote will enter the standby state (untouchable state), to extend the battery life; slightly shake once, then the remote will come back to the normal working state (touchable state).

3. Indicator light instruction

RF is bright, that means detected touch button, off means there is no touch button can press.
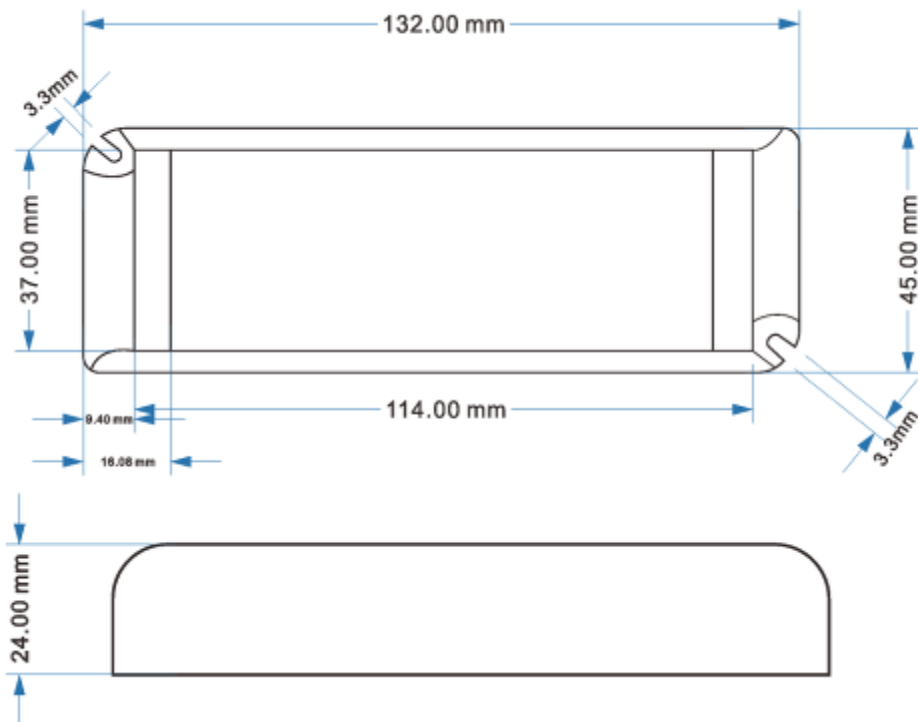
4. Match code

Within connecting power to controller 2s, long press ON/OFF key until light strip continuously flicker 3 times, can achieve code operation between remote and controller.
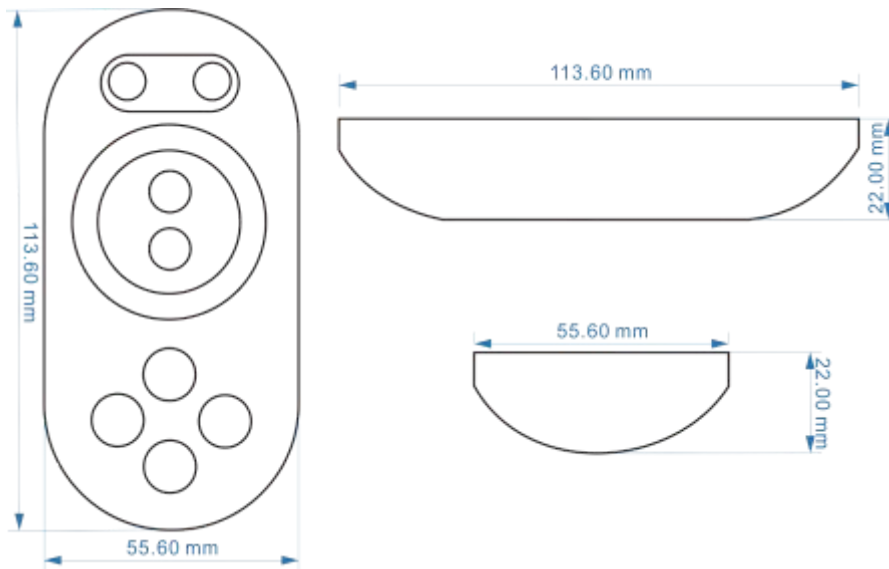
Mode change table:

Wireless high-voltage RGB Controller

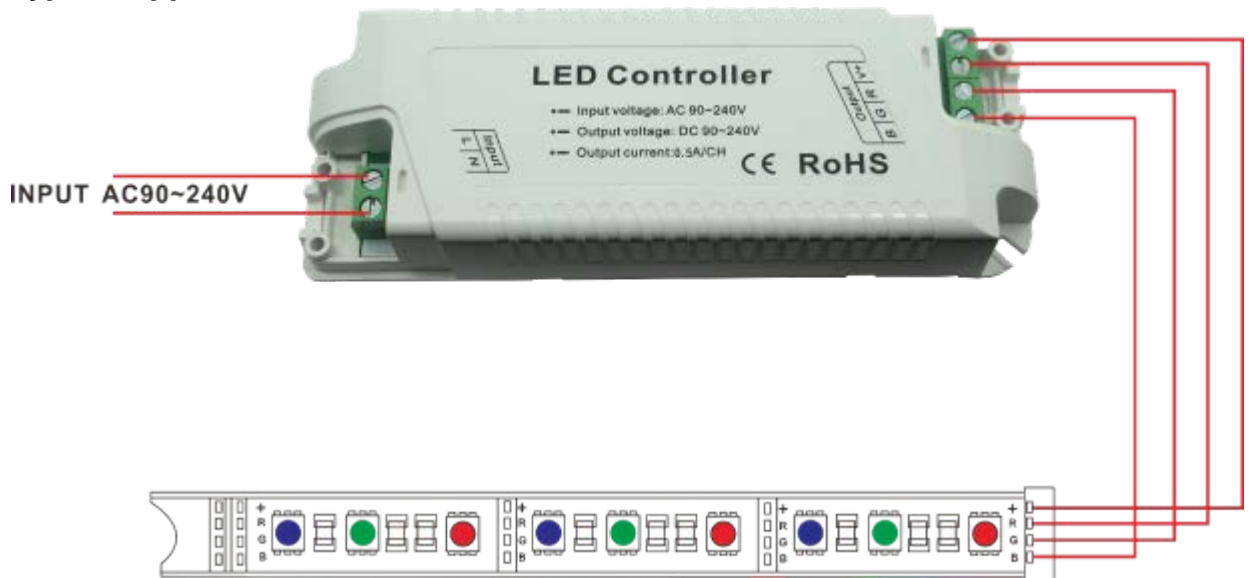| Mode No.	Function	Remark
1	Static red	Brightness is adjustable, Speed is unadjustable
2	Static green	
3	Static blue	
4	Static purple	
5	Static cyan	
6	Static yellow	
7	Static white	
8	Three color jumpy changing	Speed and brightness are adjustable
9	Seven color jumpy changing	
10	Three color gradual changing	Speed is adjustable, brightness is unadjustable
11	Seven color gradual changing	

External Dimension

Controller:

Wireless high-voltage RGB Controller

Remote control:

Typical Application

INPUT AC90~240V

Remarks

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. Power supply voltage range is DC12~24V, more than voltage range maybe will burnout the controller.

3. Touch remote when not use for a long time, suggest to take down the battery.

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