

Controller Series



Product Specification

RF Color Touch Wheel RGB Controller

XHM-G-TH01A



Model : XHM-G-TH01A

Name : 6# RF Touch Controller

■ Summary :

This product is one of our newest led touch controller researched and designed by our company. Adopt the newest capacitance touch technology and unique appearance design, achieve different led modes simply, ocularly and distantly. This touch controller include many kinds of modes, dimmable with brightness, color and speed. Users can choose the best mode according the requirements. Such as static color, jumping, graduate changing, flick, autcycle and so on. When we need to change the mode, only need to touch the corresponding color or button. With easy connection, steady RF transmission, low distraction, long lifetime, can be matched by kinds of RGB lights.

■ Advantage

- Adopt the newest capacitance touch technology, high sensitivity, steady, small size, long lifetime.



- Full color wheel corresponding with different color, ocular, easy operation, can point single or slide, is convenient to choose color.

■ Feature

- Novelty apperance, modern, unique, ocular
- Multi-type color, can meet different requirement of users.
- Low power consumption, long lifetime, can be touched unlimited times.
- With auto dormancy and awaken function, low power consumption, energy conservation
- The remote distance is steady and distant.

■ Application

- External wall of building
- Indoor lighting and decorate
- Park and scenic spots
- Municipal engineering

■ Technical Parameters

1、Controller

- Electric Parameters
 - Input Voltage : DC12~24V
 - Max output current : 4A (each channel)
 - Max output power : 144W~288W
- Control parameters
 - Output channel : 3 channel (one group RGB)
 - Control mode : RF
 - Receive sensitivity : -105 dbm
 - Dimming mode : PWM
 - Connect mode : common anode
- Other parameters
 - Shell material : ABS plastics
 - Configuration : L90*W70*H28 (mm)



2、Touch remote controller

- Electric Parameters

Power supply mode : 3 AAA batteries

Standby power consumption : 0.08mW

Work power consumption : 6mW

Transmitted power consumption : 40mW

- Other parameters

Send frequency : 433.92Mhz

Control distance : >20m

Battery life : It can use as long as 30000 hours with three normal AAA batteries on standby state.

3、Complete machine

- Work temperature: -20~60℃

Production level : IP20

- Authentication : CE、 RoHS

- Package type : colour box

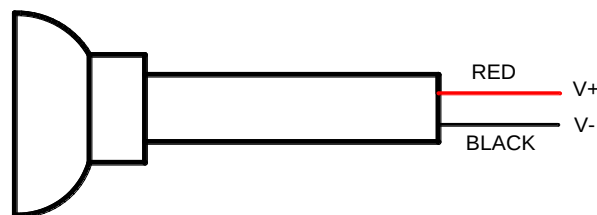
- Package size : 168*162*50mm

- Net weight : 186g

- Gross weight : 286g

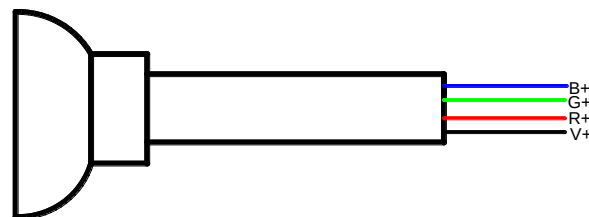
■ Interface description

- Power input port :



Red line→ + Black line→-

- Load output port :



Black line→ + Red line→R Green line→G Blue line→B



Remote controller description

- Touch remote controller front :



- Key description :

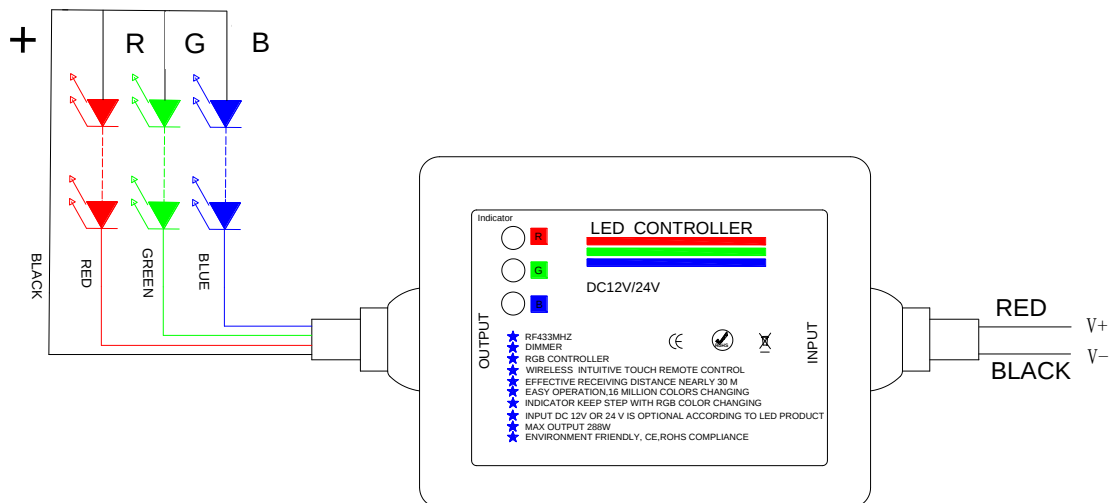
KEY	FUNCTION
	Left key is on and right key is off , any state the LED controller can be open or closed by touch softly
	Mode add key , Mode added touch once ,there were 18 kinds of modes(see model table) Mode subtract key , Mode subtracted touch once ,there were 18 kinds of modes (see model table)
	It is showing the color intuitional from the color wheel and touch the same colors corresponding with the color that you need, and not only touch one point but also touch sliding. The color is exchanged fast, accurately and no pause.
	Speed/brightness add key, speed/brightness add one class by each touch, speed and brightness level respectively for class 25/32.
	Speed/brightness deducted key, speed/brightness deducted one class by each touch, speed and brightness level respectively for class 25/32

Mode Table

Number	Mode	Number	Mode
1	Static red	10	3-color gradient
2	Static green	11	3-color smooth
3	Static blue	12	7-color gradient
4	Static yellow	13	7-color smooth
5	Static purple	14	3-color flicker
6	Static cyan	15	7-color flicker
7	Static white	16	3-color flash
8	3-color jump	17	7-color flash
9	7-color jump	18	Automatic circulate

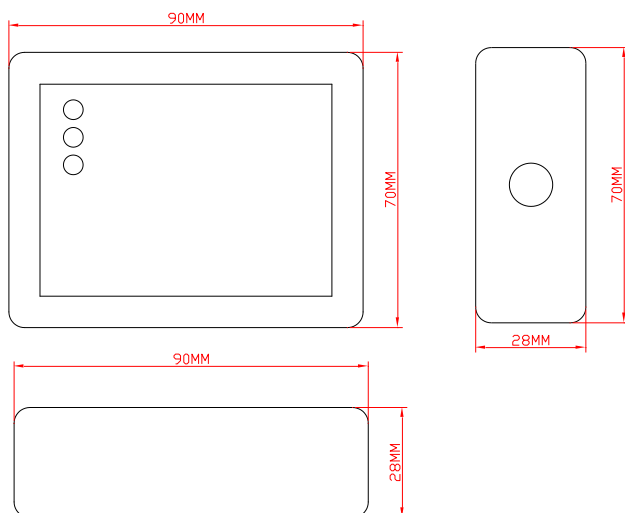


Typical use

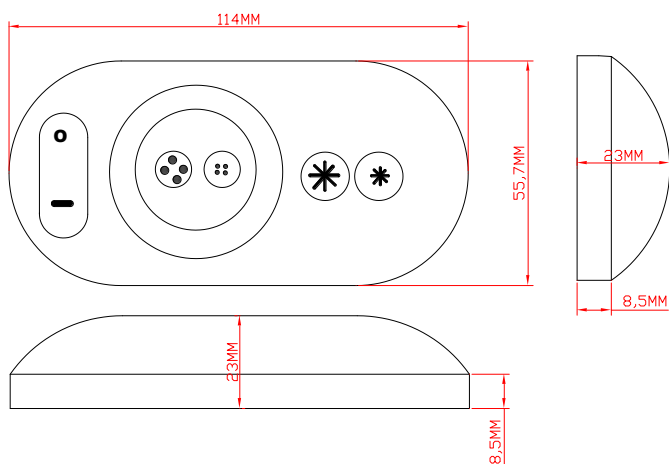


Product size

Controller :



Touch remote controller :





■ Attention

1. The voltage, current, power of the power supply must be matched with the controller.
2. Wiring according to wiring diagram correctly (connect the load first), during the operation, pay attention to avoid the short circuit.
3. The warranty is two years, not including artificial damage or work overload situation.

■ Relative product



Model : XHM-G-TH02A



Model : XHM-G-TH03A



Model : XHM-G-TH04A

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