

Product Specifications

Product name:Rf touch remote control RGB controller

Item Model:FC-T1H-QH0Q



Introduction:

This FR touch remote control RGB controller adopted the advanced touch technology, Mainly used to control all kinds of constant volage led products, such as LED source, flexible strip, wall washer, glass curtain wall light and so on. User can choose different changing mode, adjust the speed and brightness,turn on/off by the remote control according to their preference .This controller is with power off memory function, next time to used it, will start with the model it save. Its built-in 7 kinds of static color, jump, fade, strobe,flow, automatic cycle and others effect. Agile wiring, easy connection and simple to used is the representative advantages of this controller. Besides,This controller is with short circuit protection function,when meet short circuit, its green indicating light will be twinkling in a fixed frequency to indicate the user.what's more,Its with automatically restore function after short circuit protection,this personalized design can make the user experience another different sense.

main characteristic:

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- ① Novel, fashionable, unique, noble appearance, High sensitivity with good feeling.
 - ② The touching ring is sensitive, the RGB color wheel is Very intuitive appear in the touch ring, user can choose the color they prefer easily. Beside, this remote can be touch single point or to touch continually to realize choosing the color.
 - ③ Low power consumption, long lifespan, can be touch infinite times, overcome the shortcomings of traditional key short lifespan.
 - ④ With auto Resting function, it will be turn into Resting state after 20 seconds with touching the remote control, this function can Realize saving electricity and prolong the battery lifespan.
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 - ⑥ Stable remote, long remote distance.

Technical parameters:

Controller:

Working temperature: $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Supply Voltage: DC5V/DC 12V-24V,

Output: 3 channels N-MOS Drain open output

Connection mode: common anode

Static power consumption: $<0.5\text{W}$

Output current: 6A: 5V: $<90\text{W}$, 12V: $<216\text{W}$, 24V: $<432\text{W}$

8A: 5V: $<120\text{W}$ 12V: $<288\text{W}$, 24V: $<576\text{W}$

controller dimension: L84 X W82 X H33 mm

Package size: L205 X W135 X H45mm

Net Weight: 220g

Gross Weight: 380g

Remote Control:

Working temperature: $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Power supply mode: 2pcs NO.7 Battery

Supply voltage: 3V

Static power consumption: $<0.09\text{mW}$

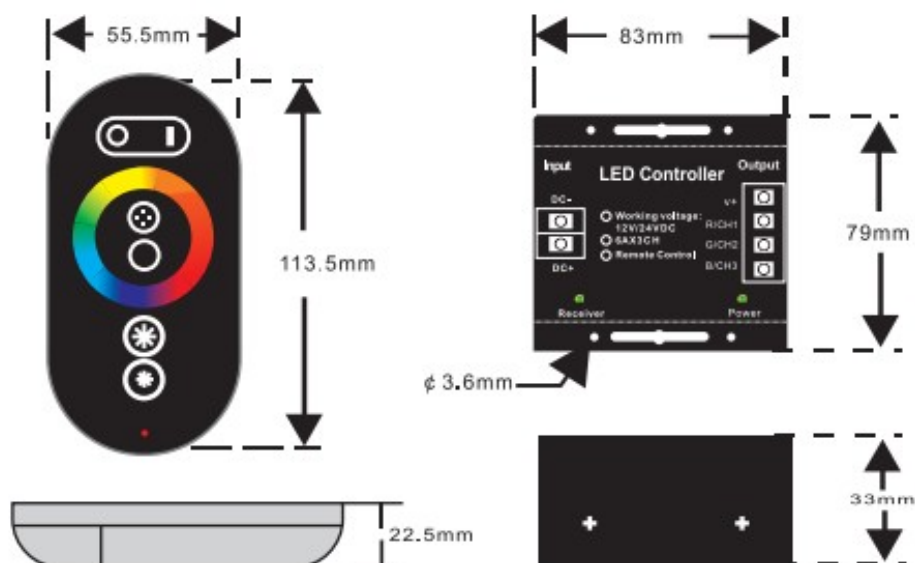
Static current: 10uA

Operating current: 15mA

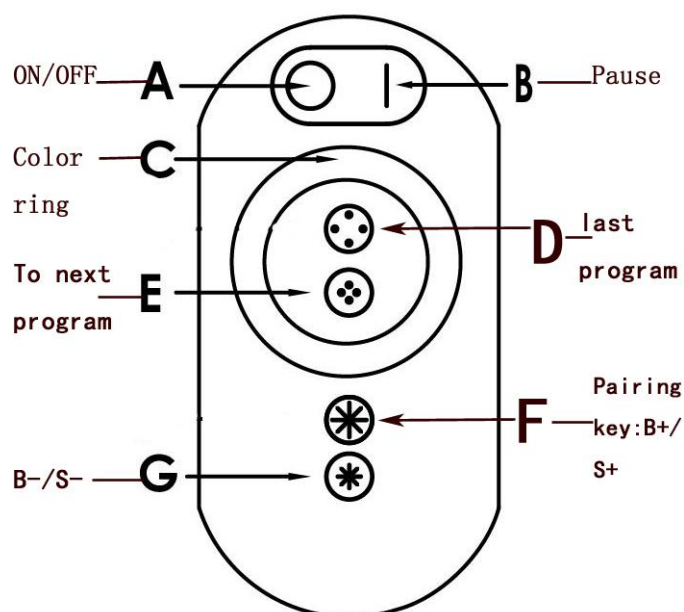
Remote-controlled distance: $>20\text{M}$

Stand-by time: 6 months

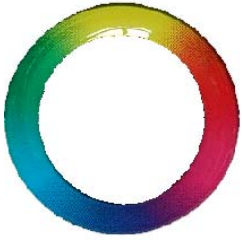
External dimension:



Remote control Function instruction:



Button	Function
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	 ON/OFF key  Pause key
	The Above one is mode + Button, at any state just touch this key to change for the former mode.
	The below one is mode - Button, at any state just touch this key to change for the latter mode.
	Touch the ring as shown, can choose static color by touching the color wheel. just touch ring, it will output the corresponding color at any time.
	in Static mode, brightness +, increase output luminance; in Dynamic mode, speed +, to speed up the rate of change.
	in static model, brightness -, Reduce output luminance; in Dynamic mode, speed -, slow down the rate of change.

changing models are as below:

A	ON/OFF	E	To next program
B	Pause	F	Pairing key; B+/S+(match Key)
C	Color ring for changing color or choose color	G	B-/S-
D	Last program	-	-

NO.	Changing color	Note	NO.	Changing color	Note
1	Auto changing	A.D.E.F.G. effected	10	RGB general changing	A.D.E.F.G. effected
2	Static red	A.D.E.F.G. effected	11	7clor general changing	A.D.E.F.G. effected
3	Static Green	A.D.E.F.G. effected	12	7clor general changing and jump changing	A.D.E.F.G. effected
4	Static Blu	A.D.E.F.G. effected	13	Red strobe-flash	A.D.E.F.G. effected
5	Static cyan	A.D.E.F.G. effected	14	Green strobe-flash	A.D.E.F.G. effected
6	Static purple	A.D.E.F.G. effected	15	Blue strobe-flash	A.D.E.F.G. effected
7	Static yellow	A.D.E.F.G. effected	16	Red blue strobe-flash	A.D.E.F.G. effected
8	RGB jump changing	A.D.E.F.G. effected			
9	7color jump changing	A.D.E.F.G. effected			

Connect



DC+: For power input + (power supply voltage 12v-24v)

DC-: For power input -

V+: For Load Common anode

R/CH1: Load output Red channel

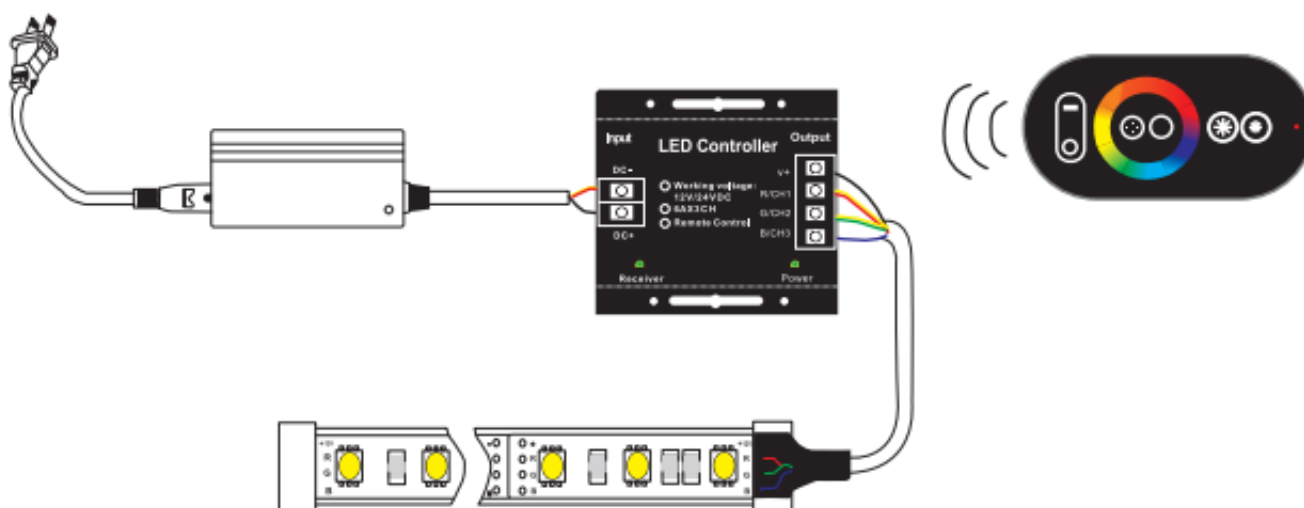
G/CH2: Load output Green channel

B/CH3: Load output Blue channel

Power: Red indicating light is for power light, when the power on it will be turn on.

Receiver: Green indicating light, normally it will be in the state of OFF, it will be twinkle when received Signal From the remote. When the controller output meets short circuit, the green indicating light will be twinkle in a Fixed frequency to indicate the user.

Typical Applications:



Notes:

1. The use of power and load voltage, current, power must be consistent with the product.
2. Please make the connection like the diagram above (to connect the load wire first, than to connect with the power), In the process of operation please avoid short circuit.
3. This product warranty is 12 month, But not including the damage by people and other reason caused by over load working.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction