Product Specification

Name: Full-color Touch Controller
Model: LCQ-RGBCON-FC-12/24(8A)

Summarization

Full-color touch controller is a high-end touch controller which adopts latest capacitive trigger and wireless technology. The controller has features such as large current, low power consumption; remote control adopts high precision capacitance touch control chip, has color ring and buttons function, increases the touch sensitivity, reduces trigger which caused by mistake. You can use remote control to switch the modes of RGB strips, and also can change the brightness and speed. It has advantages such as far control distance, high touch sensitivity, strong driving ability, stable performance. The product can control a variety of lamp whose source of light is LED. For instance, point source of light, flexible light strip, panel light etc.

Technical Parameters
Controller

Supply voltage: DC12-24V

Working current: <=8A/CH

Connection method: Common anode

External dimension: L83*W79*H33 mm

Packing size: L185 X W135 X H50 mm

Static power consumption: <1W

Output power: DC12V: <288W, DC24V: <576W

Output frequency: 900Hz

Remote Control

Working temperature: -20-60℃

 Power supply mode: AAA * 3

Supply voltage: 1.5V * 3

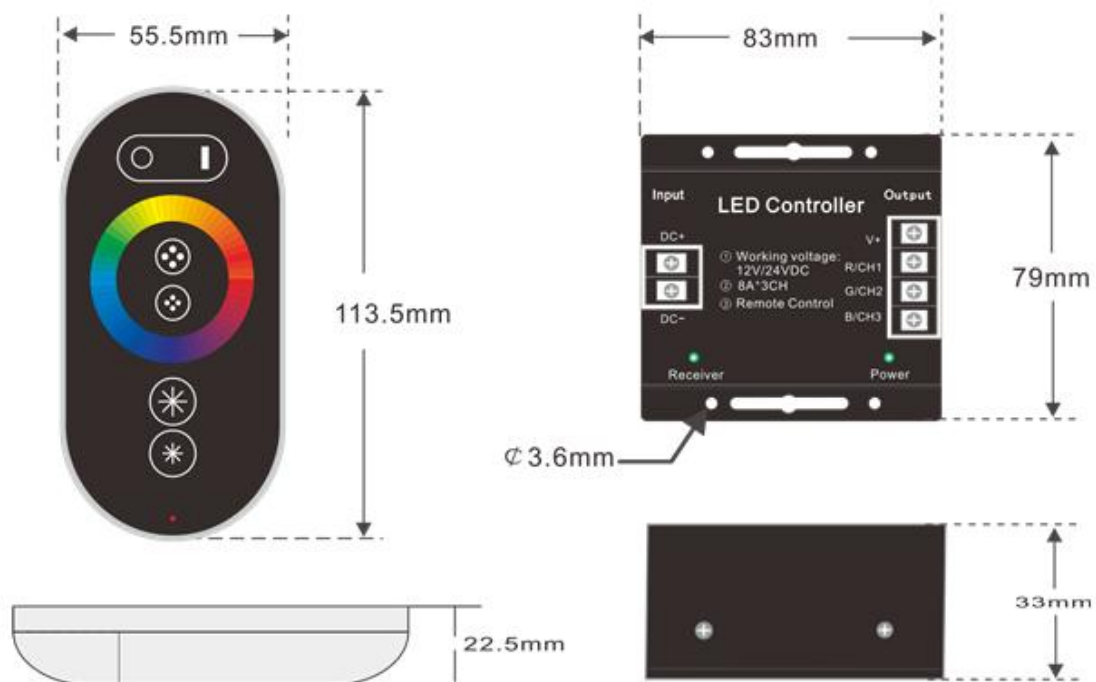Standby power consumption: 0.025Mw

Static current: 85Ua

Working current: 200uA

Remote distance: > 20m

Standby time: >6 months
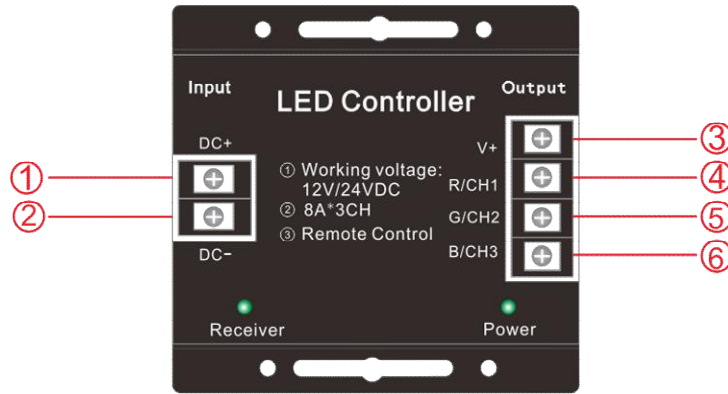
External Dimension (mm)

Interface specification

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"①" "②" : Power input interface, input voltage range is DC12-24V, "①" is positive electrode,   "②" is negative electrode;

"③" "④" "⑤" "⑥": Power output interface, output voltage is 12-24V, max. output current is 8A, "③" is positive electrode, "④" "⑤" "⑥" is output channels.

Instruction for use
Function of controller and remote control:

: ON/OFF key, it is used for lighting on/off LED strips.

: Mode increase/reduce button, it is used for controlling increase and reduce of modes, total 18 kinds of modes.

: Color ring, when touching a certain point on the color ring, LED strip will show the color of color ring at this time.
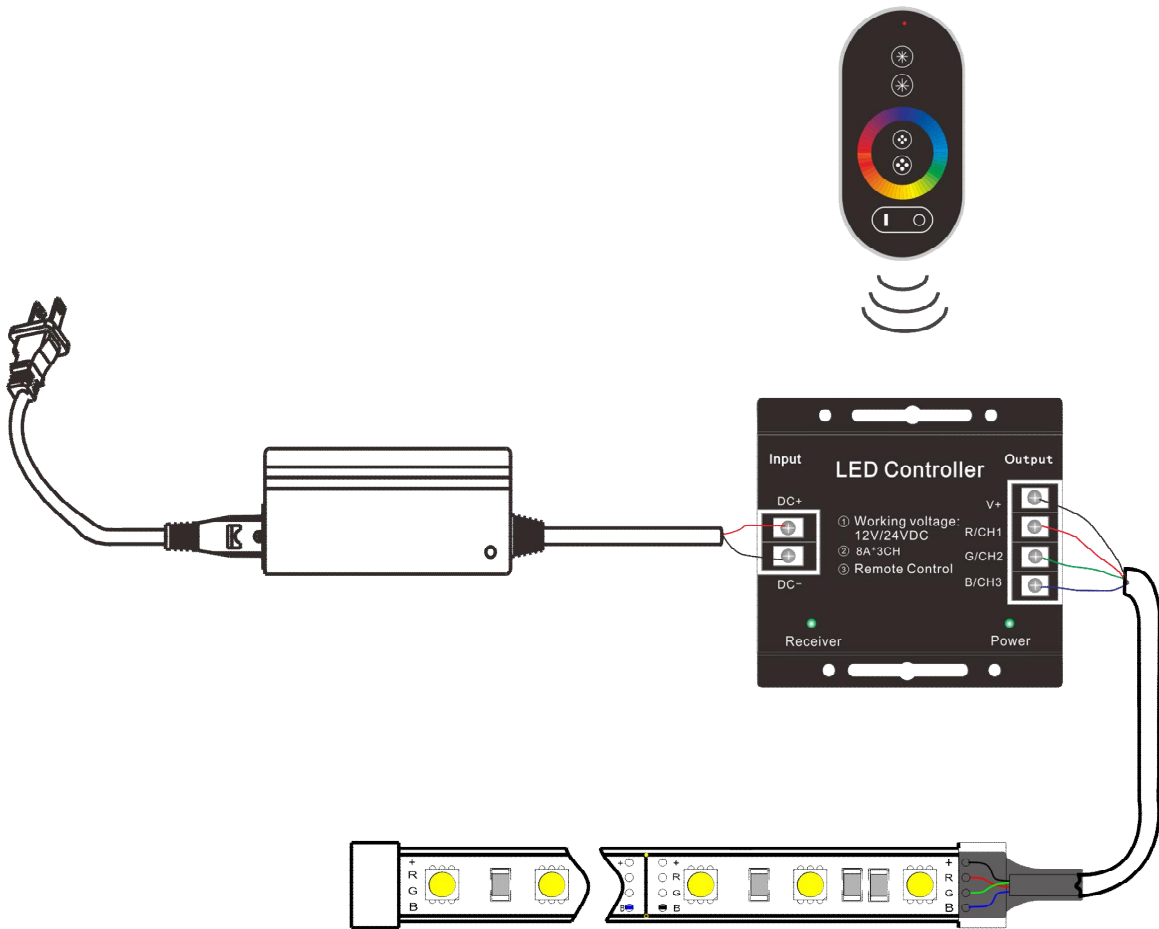
: Brightness/speed button, in static modes, it controls the increase/reduce of brightness (total 25 levels), in dynamic modes, it controls the increase/reduce of speed (total 100 levels).

The standard change functions is shown as below table:

No	Mode	No	Mode
1	Static red	10	Three-color gradual changing
2	Static green	11	Three-color crossfade
3	Static blue	12	Seven-color gradual changing
4	Static purple	13	Seven-color crossfade
5	Static yellow	14	Three-color flash
6	Static cyan	15	Seven-color flash
7	Static white	16	Three-color quick flash
8	Three-color jumpy changing	17	Seven-color quick flash
9	Seven-color jumpy changing		Autoplay

Specification for matching code of wireless remote control and controller: When power on, close to the controller, at the same time press the ON/OFF key of remote control, long press this key in 3s to match code. The load light will flicker after matching code success.

Typical application

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 burn out the controller.

3. Stop to use for more than 30s, the remote control will enter the standby state, then the color ring will fail, The next time use, just click the button on remote control, then remote control will be reawakended.

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