

User Manual



LED RGB controller
-with touchable button

Rev:1.0

Forward

Thanks for choosing our RGB touch controller. The complete package includes a controller, one remoter, do check if there's any defect during transportation before use, if so, please don't use and inform your supplier immediately.

Technical Specifications

Input voltage:	DC12~DC24V
Loadable current:	6Ax3CH 18A MAX.
Output power:	216W/432W(DC12V/DC24V)
Color modes:	18 modes
Dimmering mothod:	PWM
Grey steps:	256 steps per channel
Intersity steps:	10 steps
Connection mode:	common anode
Control mode:	touchable/RF Remote control
Radio Frequency:	433MHz
Controlable distance:	>20m
Working Temp:	-30℃~+60℃
Remote battery type:	3 pcs AAA type batteries

Panel and interface description



Symbol	Function
	Turn off/on the LED light in any state.
	Touch for selecting 18 change modes before and after.
	Touch the color on the wheel to get what you want.
	Static modes for Brightness increasing or decreasing. Dynamic modes for speed accelerating or decelerating.
	Voltage of power input port :12/24 VDC
	Power output port for connecting LED lights.
	Indicative light to show the power and signal receiver state.

Mode table

NO.	Mode	Remark	NO.	Mode	Remark
1	Static red	Brightness adjustable	10	3-color gradient	Brightness/speed adjustable
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	Brightness/speed adjustable	17	7-color flash	
9	7-color jump		18	Automatically Play	

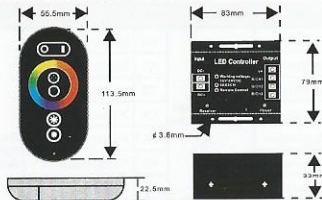
Installation battery of the Remoter:

This remoter is used 3 pcs AAA batteries, each voltage is 1.5V. Open the cover of the battery; load 3 pcs AAA batteries correctly as per the positive and negative instructions in the battery pack.

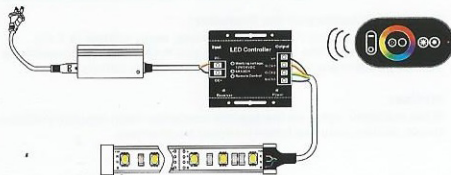
Notice:

If the indicator lights on the remote controller flash regularly without touch, please note the battery should be changed.

Product size



Connection diagram



Safety warnings

1. Please install the products by professional electrician.
2. This product can not waterproof, please put into water-proof tank if the clients want to use it outdoor.
3. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
4. Please don't install this controller in lightening, intense magnetic and high-voltage fields.
5. Check if the voltage and power adapter suit the controller and LED lights.
6. Please make sure the wires can sufficiently load the LED lights for avoiding accident.
7. Please make sure all the wires are connected correctly before switching on the power.
8. Please do not repair or maintain privately, any query, please contact suppliers.

Friendly reminding:

The Power should not be overloaded. for high performance, please keep at least 20% margin for power.

After-sale service

1. The customers enjoy lifelong technical support for our products.
2. The customers enjoy free maintainance or replacement for quality problems within one year upon date of purchasing. If
3. If the free warranty time is overdue, We will charge certain cost of raw materials for repair or maintainance.
4. Following cases are excluded free warranty terms:
 - ◆ Any defects caused by wrong operations.
 - ◆ Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
 - ◆ Any damages due to transportation, breaking, flooding water after the purchase.
 - ◆ Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
 - ◆ Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
5. Our company would take up the biggest responsibility to replace the same type and quantity accordingly..
6. The cilents please inform suppliers the faulty phenomena, using environment etc. for speeding up the maintainace process.
7. The manual is only suitable for this model, any update is subject to change without prior notice.

Exception Handles

Malfunction	Causation	Solution
No light	1. No power 2. The protection of the power supply is active 3. Wrong connection	1. Check the power 2. Check the fault then power on again 3. Check the connection
Incorrect color	1. Wrong connection from RGB wire 2. Wrong connectin of in-phase cable	1. Re-connect RGB wires correspondently 2. Re-connect in-phase wires correspondently
No response from the remoter	1. battery power is not enough 2. The distance between controller and LED lights is too far.	1. Change or install the battery accordingly 2. Shorten the remote distance
Delay response from the remoter	1. The distance between controller and LED lights is too far 2. Wire diameter is too small 3. Overload beyond controller or power supply capability	1. Reduce cable or use loop supply 2. Change wider wire 3. add power amplifier
Uneven intensity between front and rear, with voltage drop	1. Output cable is too long 2. Wire diameter is too small 3. Overload beyond controller or power supply capability	1. Reduce cable or use loop supply 2. Change wider wire 3. add power amplifier
Signal chaos between controller and remoter	1. May be there are more than one remote controller controlling the same LED lights at the same time	1. Find out other remote controllers and closed.