User Manual

LED RGB controller
-with touchable button

Rev:1.0

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 method:	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

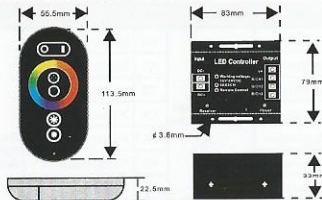| NO.	Mode	Remark	NO.	Mode	Remark
1	Static red	Brightness adjustable	10	3-color gradient	Brightness/ speed adjustable
2	Static green		11	3-color smooth	
3	Static blue		12	7-color gradient	
4	Static yellow		13	7-color smooth	
5	Static purple		14	3-color flicker	
6	Static cyan		15	7-color flicker	
7	Static 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.
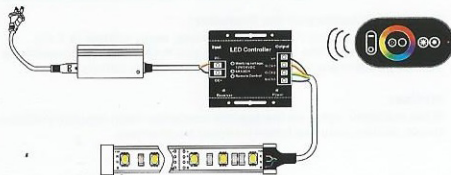
Notice:
If the indicator lights on the remote controller flash regularly without touch, please note the battery should be changed.

Product size

Connection diagram

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 correspondingly 2. Re-connect in-phase wires correspondingly
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.