



User Manual



LED DIMMER
-With touch button

Rev:2.0

Forward

Thanks for choosing our LED dimmer. The complete package includes a dimmer, a remote control, 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
Output channels:	3CH
Output power:	216W/432W(DC12V/DC24V)
Intensity steps:	12 steps
Dimmering method:	PWM
Grey steps:	256 steps per channel
Connection mode:	Common anode
Control mode:	RF remote control
Radio frequency:	433MHz
Controllable distance:	≥20m
Working Temp:	-10°C~40°C
Remote battery type:	3 pcs AAA type batteries

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Panel and interface description



Symbol	Function
	Turn off/on the LED lights in any state.
	Brightness shortcut button: max. brightness and min. brightness.
	Used for getting the brightness between maximum brightness and minimum brightness.
	Used for increasing or reducing the brightness, 10% increase or reduce in every step.
	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.

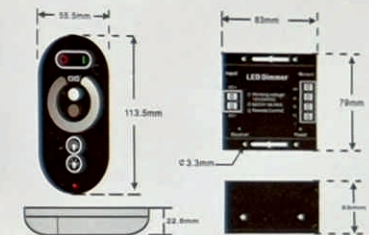
Installation battery of the remote control

This remote control 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.

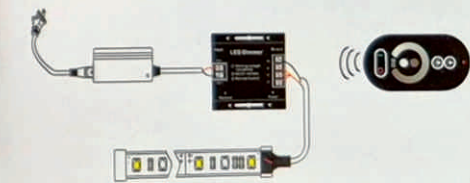
Notice:
If the indicator lights on the remote control flash regularly without touch, please change batteries.

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Product size

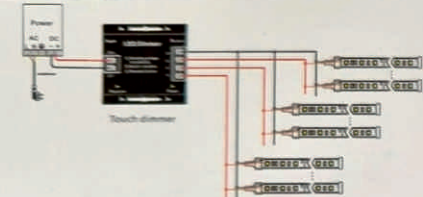


Connection diagram 1

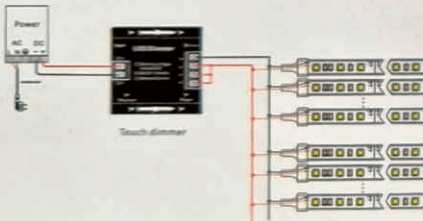


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Connection diagram 2



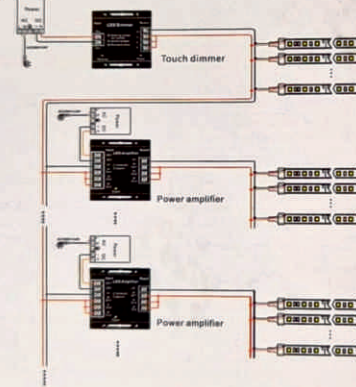
Connection diagram 3



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Power amplifier figure

- When the dimmer power is not enough, please adopt our constant voltage LED power amplifier. The product specifications can be obtained by contacting our sales team.
- Amplifiers are parallelly connected with the dimmer (take LED light strip for example)



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Link or unlink operation between controller and remote control

Linking:

When controller is powered on, long press the key "I" on the remote control, until the LED lights flash two times, that means linking operation has been successfully.

Unlinking:

When controller is powered on, long press the key "I" on the remote control, until the LED lights flash four times, that means unlinking operation has been successfully.

Safety warnings

- This product is not waterproof, please put into water-proof tank if the clients want to use it outdoor.
- Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
- Please don't install this controller in lightning, intense magnetic and high voltage fields.
- Check if the voltage and power adapter suit the controller and LED lights.
- Please make sure the wires can sufficiently load the LED lights for avoiding accident.
- Please make sure all the wires are connected correctly before switching on the power.
- 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.

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After-sale service

- The customers enjoy lifelong technical support for our products.
- The customers enjoy free maintenance or replacement for quality problems within one year upon date of purchasing.
- If the free warranty time is overdue, we will charge certain cost of raw materials for repair or maintenance.
- 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.
- Our company would take up the biggest responsibility to replace the same type and quantity accordingly.
- The clients please inform suppliers the faulty phenomena, using environment etc. for speeding up the maintenance process.
- The manual is only suitable for this model, any update is subject to change without prior notice.

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