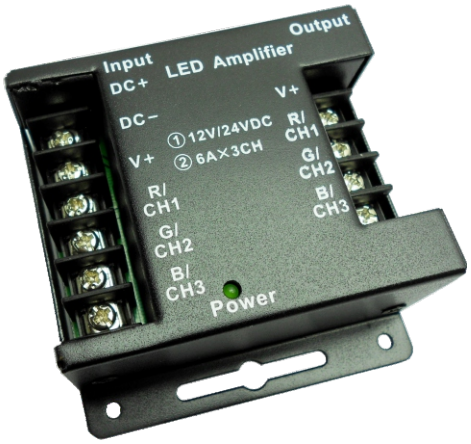
Product Specification



Model : CT-B01-A
Name : RGB power Amplifier

Summary

LED amplifier is developed for amplifying the power of single-color controller and RGB controller , which is to be used together with PWM LED controller for extending the connecting distance of LED strips or increase the quantity of LED lamps . In addition , this controller can achieve the whole color control in small scale,and can be matched with kinds of lights with constant voltage or constant current LED lamps , such as rigid light strip , flexible light strip, panel light, LED module,downlight.

Features

1.Auto adaptation of 12~24V DC working voltage and with input polarity protection function.
2.The newest PWM control technology , delicate light performance , no flicker.
3.High power dimmer control MOS tube with stable and reliable performance , strong power-drive ability with max 18A of 3 channels.
4.The input brightness remains the same as the output brightness.
5.The input and output signal of power amplifier is equipped with photoelectric isolation of 5 KV safety protection function.

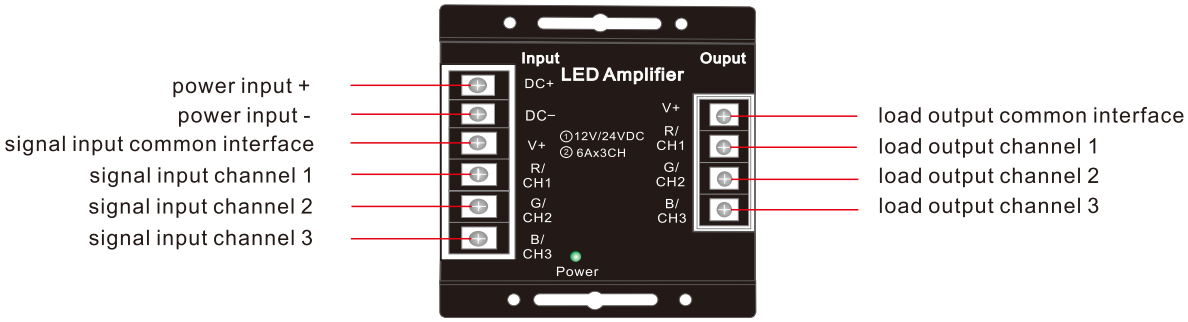
Application

1.All places where RGB light strips need to be extended when connecting.
2.All places where the quantity of RGB lights need to be increased.
3.All places where the color effects need to be changed as a whole in small scale.

Technical parameter

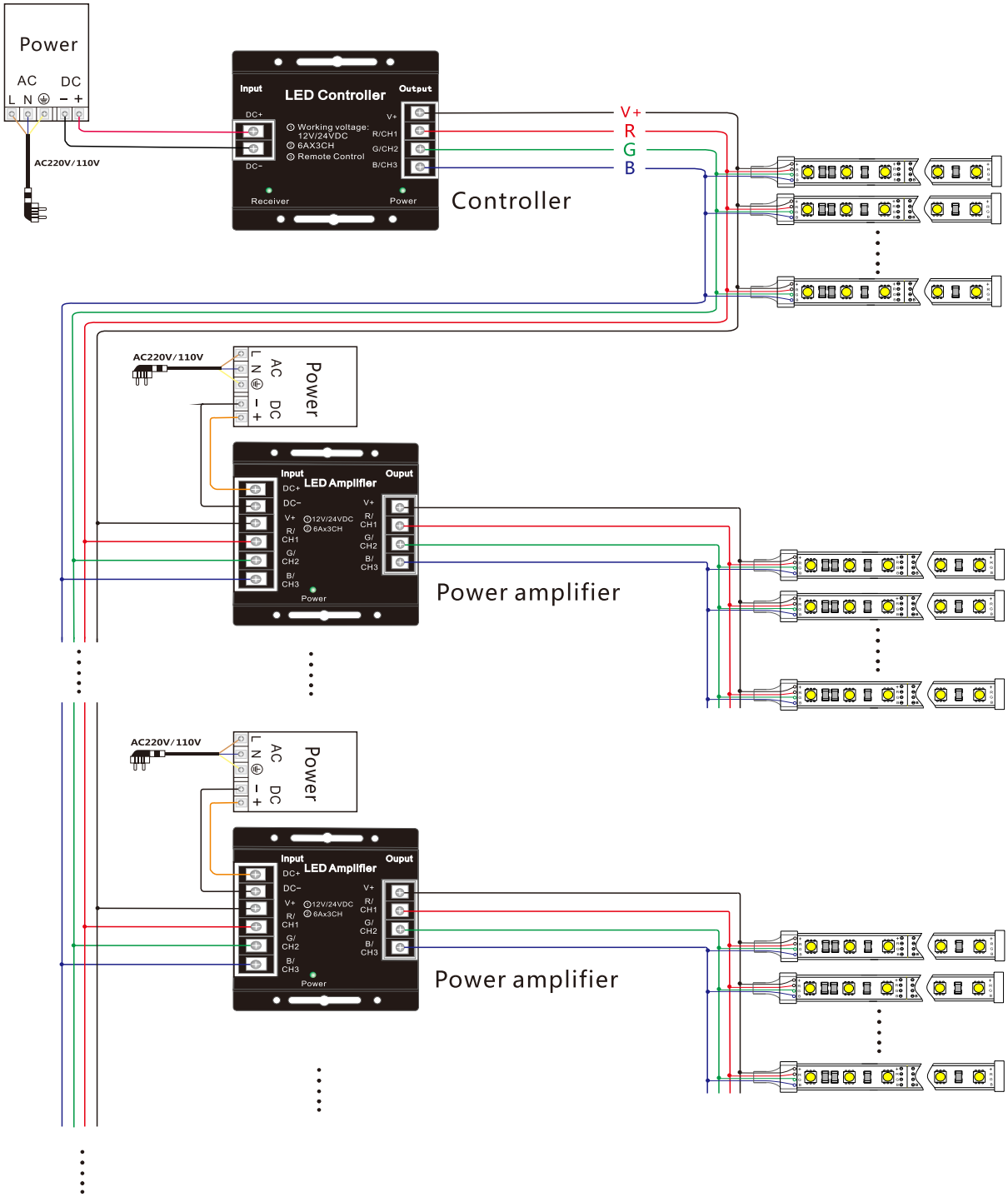
Working Voltage	DC12~24V
Working Current	6Ax3CH 18A MAX.
Channels	3CH
Output Power	216W/432W (12V/24V)
Control Mode	PWM signal
Connecting Mode	Connon Anode
Output Control Mode	Constant Voltage
Certificate	CE、RoHS
IP level	IP20
Circuit Protection	Input polarity protection
Working Temperature	-20℃~60℃
Product Size	L72xW79.5xH33mm
Packing Size	L170xW112xH50mm
G.W.	191.7g

Interface and installation method

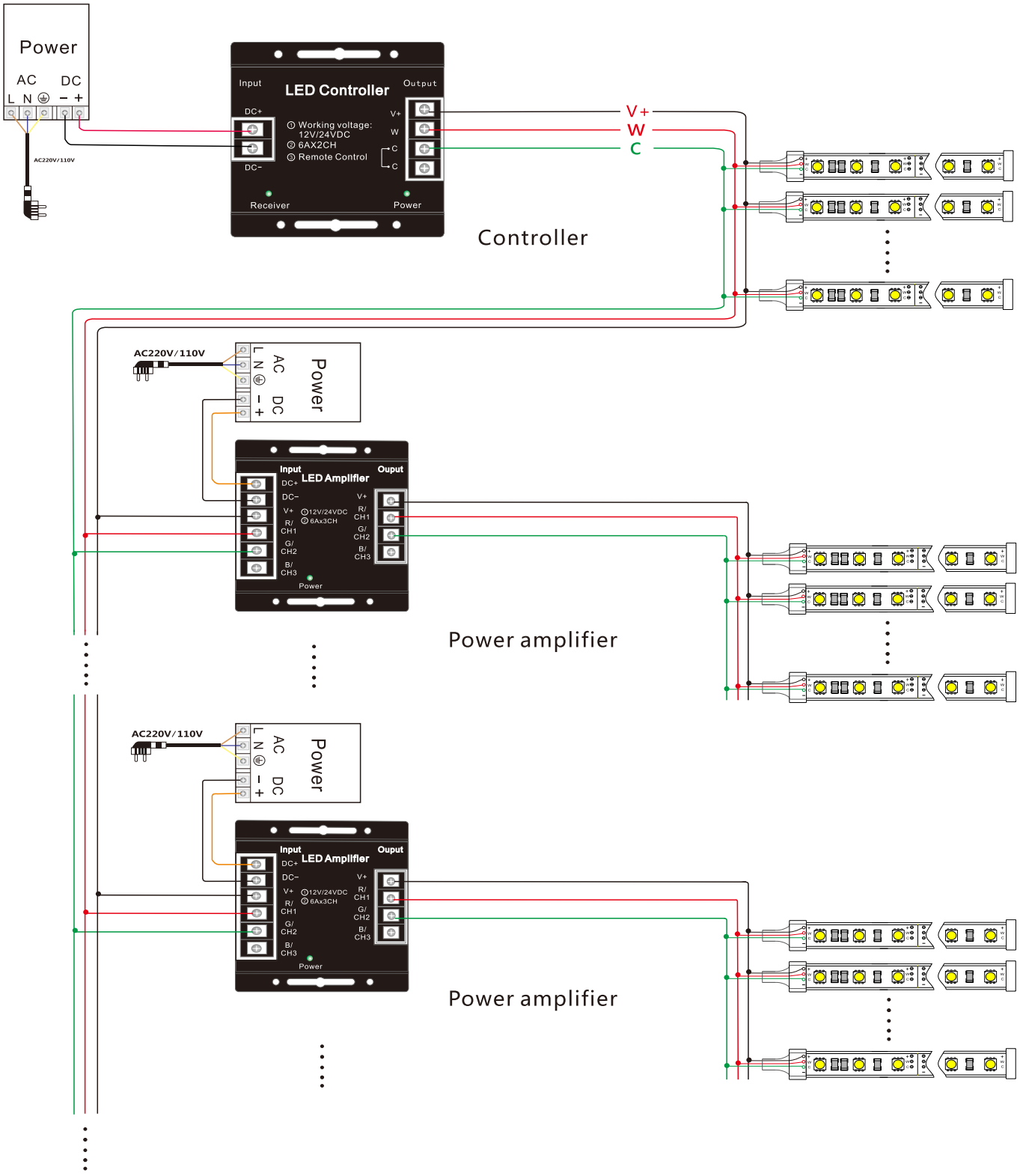


Power amplifing application picture

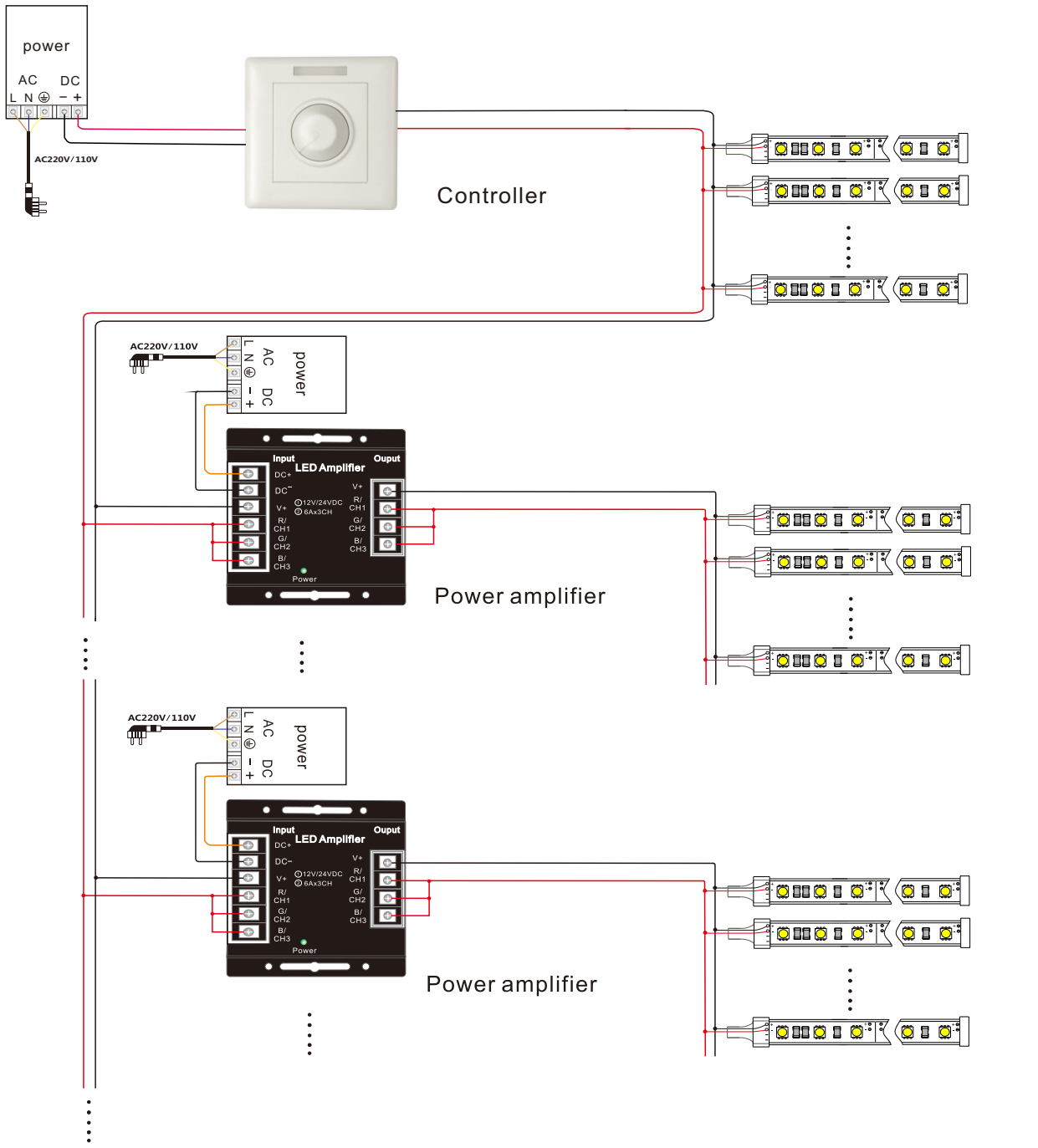
Example 1:Matched with RGB controller, connecting with RGB lighting products.



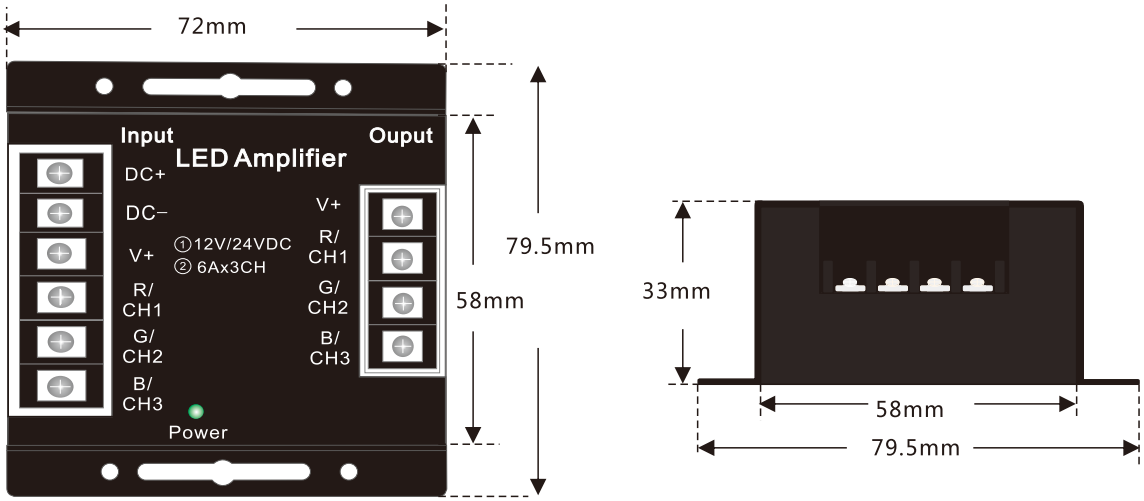
Example 2:Matched with color temperature adjustable controller, connecting with PW/WW lighting products.



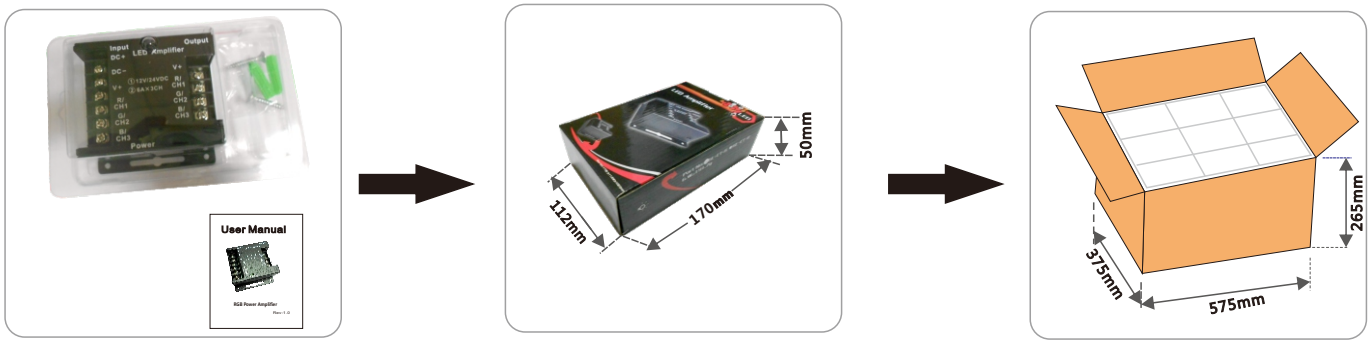
Example 3:Mactched with dimmer, connecting with single color lighting products.



Product dimensions



Product packing

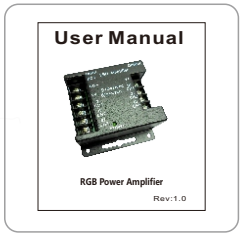


Power Amplifier	Packaging size	Weight/pcs	Carton size	Weight/box(45pcs)
L72×W79.5×H33mm	L170×W112×H50mm	191.7g	L575×W375×H265mm	9.2kg

Product accessories

Power Amplifier

The install screw



Manual

Install caution

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.

After-sales service

1.The customers enjoy lifelong technical support for our products:
- Free Warranty: The customers enjoy free maintanance or replacement for quality problems within one year upon date of purchasing.
- Paid Warranty: If the free warranty time is overdue, we will charge certain cost of raw materials for repair or maintanance.

2.Following cases are excluded free warranty terms:
- Any defects 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, lighting strike etc force majeure of natural disasters.
- Any damages caused by negligence, inappropriate storing at high temperature and humidity or environment near harmful chemicals.

3.Our company would take up the biggest responsibility to replace the same type and quantity accordingly.
4.The clients please inform suppliers the faulty phenomena, using environment etc. For speeding up the maintainace process.

Relevant products

Model:CT-B02-A
Name: Color Temperature
Adjustable power Amplifier

Model:CT-C01-A
Name: Color temperature
touch controller

Mode：CT-A02-A
Name：RGB touch controller

Model：CT-C03-A
Name：LED touch dimmer

Version modify records

Version	Date	Content
REV: 1	2012.6.16	Created