Product Specification

CE   RoHS

Model:CT-CR317C
Art. No.:C-00109-23
Name: 2.4G waterproof RGB
        high pressure controller
        (6key)

Summary

This product is our intelligent led controllers with RF wireless remote controller to control the color and brightness of high voltage lighting fixture.It could choose the color,mode and change speed with remote ; also with the function of dimming , power down memory and so on .This product with nice apperance , easy to use , it could meet the application and so on. This product with nice apperance, easy to use,it could meet the application requirement of high voltage strip light.

Features

1.Capacitance and wireless touch technology, no mechanical wear, overcoming the lifespan problems caused by Physical buttons.
2.Visible color wheel, touched by finger, then What you see is What you get.
3.Adopt advanced PWM ,control technology ,change effect smooth, no flicker.
4. Wireless RF control 2.4G, free direction and long distance, more than 20 m.
5.Color mode changes and more flexible control.
6. Multi-type memory functions for color, modes, speed, and brightness.
7.Adopt large power Mosfet, strong driver function, steady performance;

Applications

1.Construction decoration: commercial buildings, airports or subways.
2.Indoor decoration: hotels, shopping malls, squares, restaurants, bars, houses.
3.Outdoor decoration: advertising boards, parks, bridges, roads and overpasses, scenic spots.
4.Others:samples reveal ark and the places needing RGB lights.
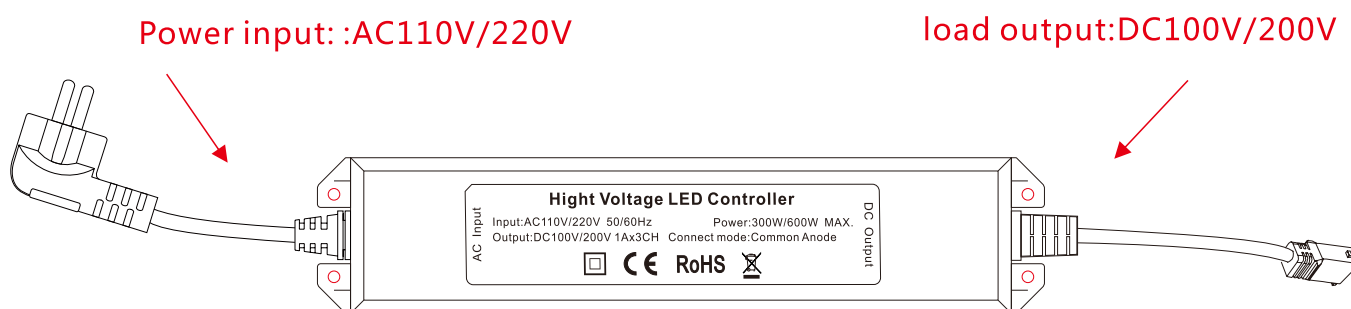
Technical parameters

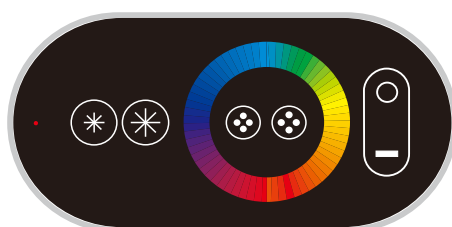| Controller	
Supply voltage	AC110V/220V 50/60Hz
Loadable current	1Ax3CH
Output channels	3CH
Output power	300W(DC100V)/600W(DC200V)
Control method	RF remote control
Connection mode	common anode
Changing number	26(7 static color modes , 19dynamic changing modes) , 1 wheel(64 color)
Dimmering mothod	PWM
Grey steps	256

Technical parameters(continuous)

Remote	
Working voltage	4.5VDC
Remote control way	RF
Launch frequency	2.4G
Controlable distance	more than 20 meters
Battery types	3 pcs AAA type batteries
Standby power	0.1mW
Power consumption	7.7mW
Transmission power	35mW
Key Number	6 touch keys , 1 touch wheel
Whole machine	
Working temperature	-20℃~60℃
Identification	CE、RoHS

Panel and interface specifications

1.The controller interface is as follows:

Power input: :AC110V/220V

load output:DC100V/200V

Hight Voltage LED Controller
Input:AC110V/220V 50/60Hz   Power:300W/600W MAX.
Output:DC100V/200V 1Ax3CH   Connect mode:Common Anode
AC Input
DC Output
CE RoHS

2.Remote control keys function is as follows:

Symbol	Function
⊙ I	Turn off/on the LED light in any state.
⊙⊙	Touch for selecting 26 change modes before and after.
🔴	Touch the color on the wheel to get what you want.
✳✳	Multiplex function button Static modes for Brightness increasing or decreasing. Dynamic modes for speed accelerating or decelerating.

Remote controller battery installation

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.

The remote of low power consumption and awakening

When the user does not touch the remote for 20 seconds, the remote will automatically enter the lower power sleep mode to save standby power consumption and extend battery life.When the user needs to reuse reoperatethe controller, only touch any key on the touch panel (not the color wheel) to wake up the remote for normal use.

match code method

When they used the first time, there should be a matching code between the remote and receiver, then the remote could control the receiver.

Code matching:

In 3 seconds after the controller powered, press "|"on the remote three times, 3 seconds later, the led output flick three times, it means the remote match the receiver successfully.
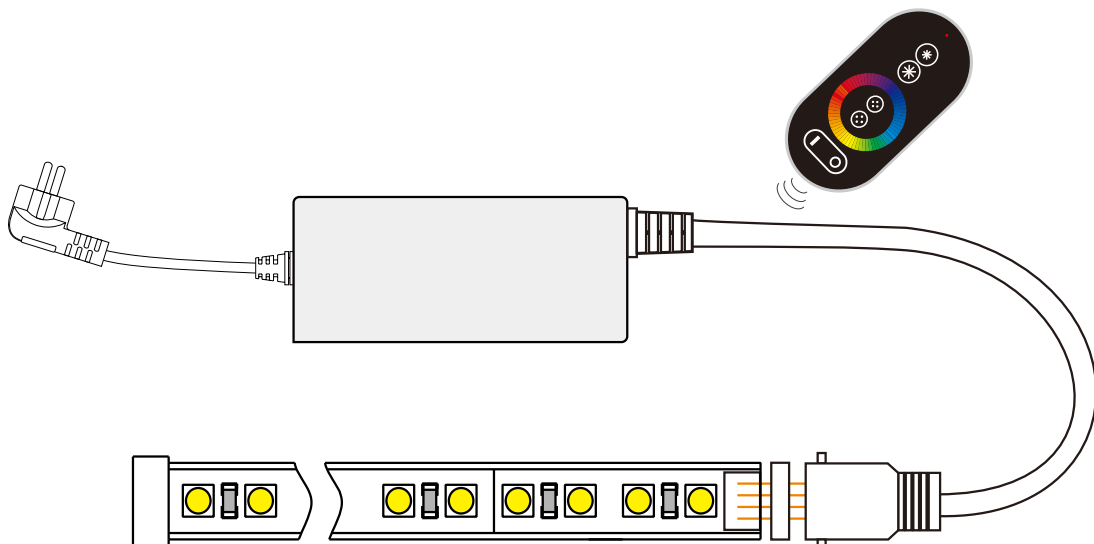
Cancel match code:

In 3 seconds after the controller powered, press "|"on the remote five times, 3 seconds later, the led output flick three times, it means the remote cancel matching the receiver successfully.
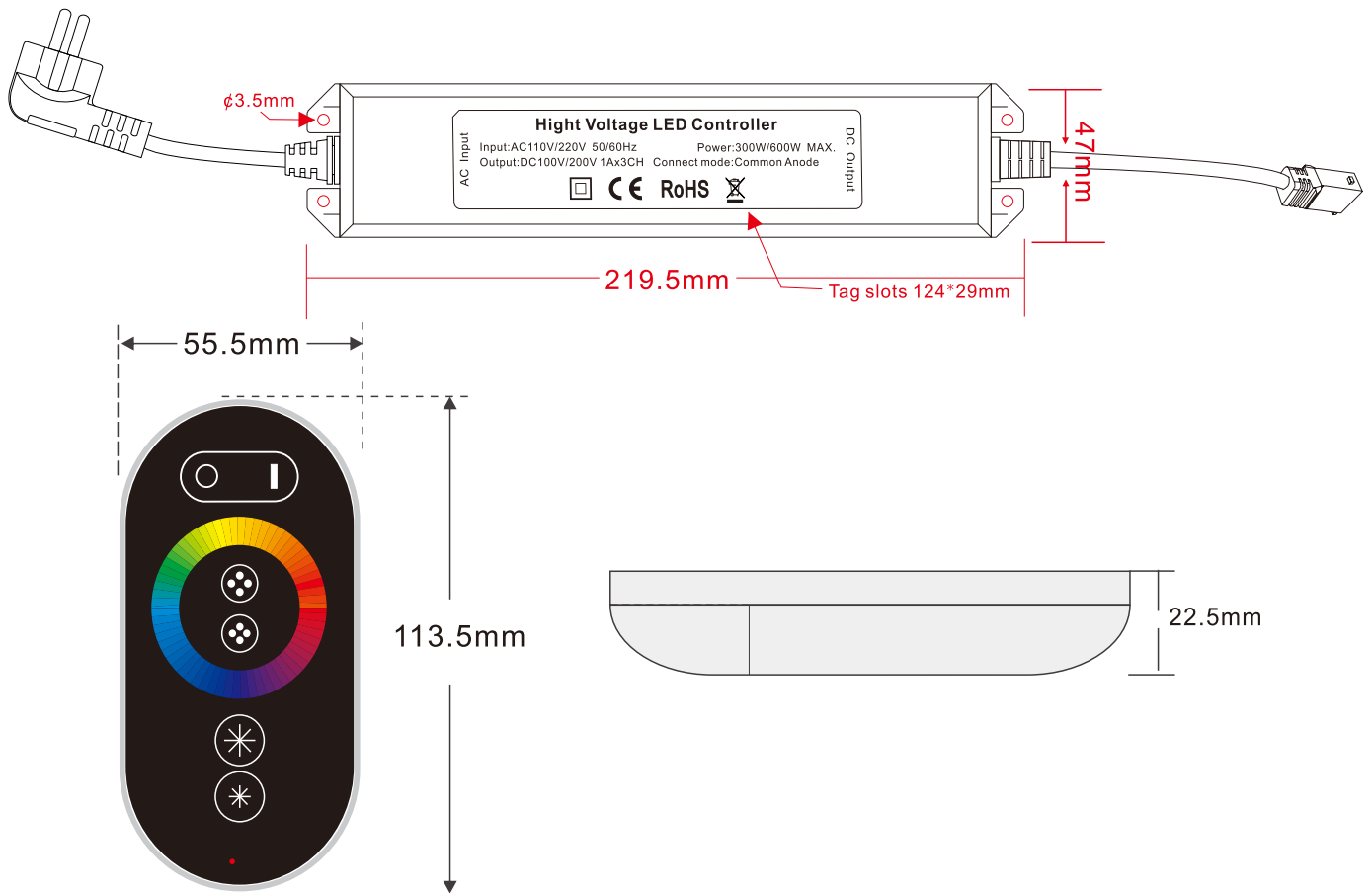
Mode table

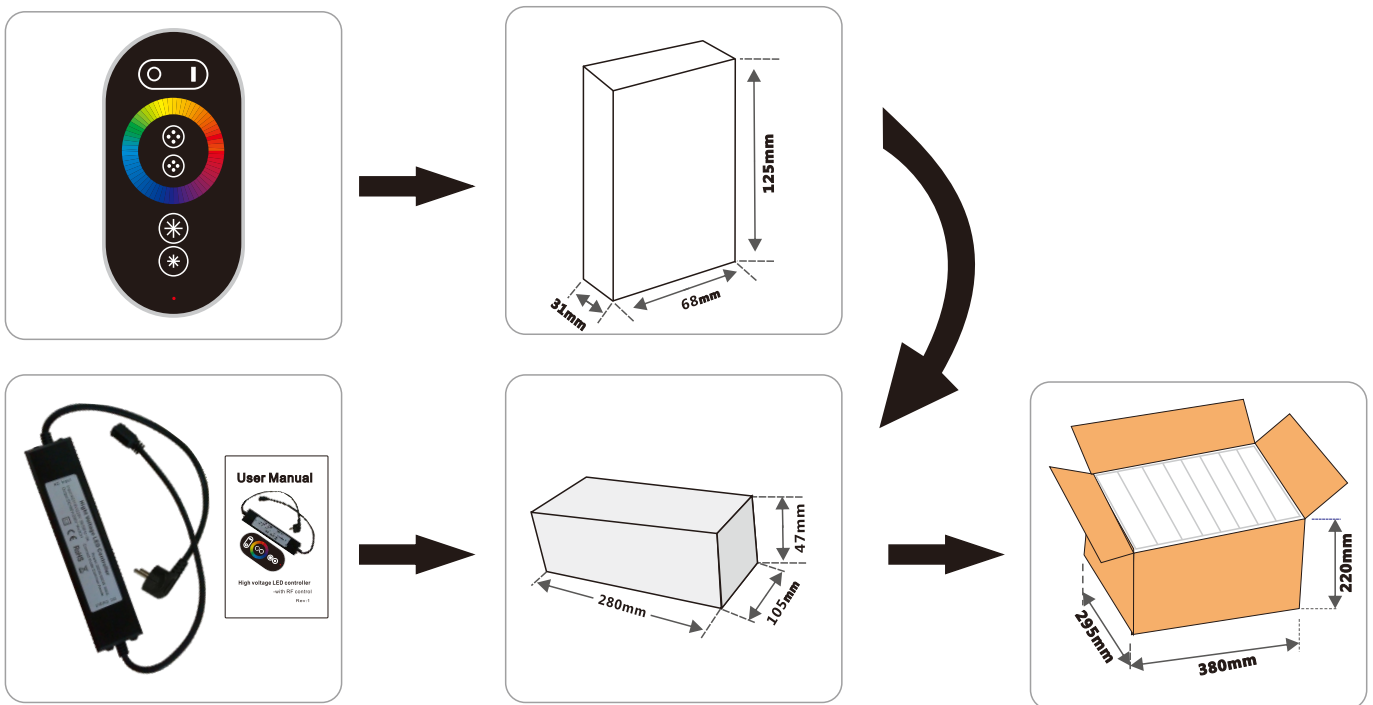| NO.	Mode	Remark	NO.	Mode	Remark
1	Red	Brightness adjustable	14	Yellow and cyan gradual change	Speed adjustable
2	Green		15	Cyan and purple gradual change	
3	Blue		16	Three base color fadein dimming	
4	Yellow		17	Three mixed color fadein dimming	
5	Cyan		18	Seven color fadein dimming	
6	Purple		19	Seven color interaction gradual change	
7	White		20	Three base color flash	
8	Three base color jump change	Speed adjustable	21	Three mixed color flash	
9	Three mixed color jump change		22	Seven color flash	
10	Seven color jump change		23	Three color blasting flash	
11	Red and green gradual change		24	Three mixed color blasting flash	
12	Green and blue gradual change		25	Seven color blasting flash	
13	Blue and yellow gradual change		26	Auto mode	

The wiring and the typical product apply diagram

Product dimensions

¢3.5mm

Hight Voltage LED Controller
AC Input
Input:AC110V/220V 50/60Hz   Power:300W/600W MAX.
Output:DC100V/200V 1Ax3CH   Connect mode:Common Anode
DC Output
CE RoHS

47mm

219.5mm

Tag slots 124*29mm

55.5mm

113.5mm

22.5mm

Packing detail

125mm

31mm   68mm

User Manual

High voltage LED controller
with RF control

47mm

280mm

105mm

220mm

295mm

380mm

Model	Product name	Product size	Packaging size	Weight/pcs	Carton size	Weight/box
	controller	L113.5×W55.5×H22.5mm	L125×W68×H31mm	0.092kg	L380×W295×H220mm	
C-00109-23(Not waterproof)	controller	L219.5xW47xH30mm	L280xW105xH47mm	0.222kg		5.62kg(16pcs)
C-00109-24 (waterproof)	controller	L219.5xW47xH30mm	L280xW105xH47mm	0.482kg		8.31kg(16pcs)

Product List

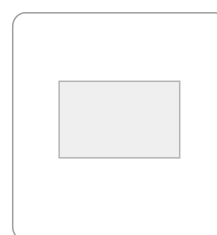1.The remote product list:

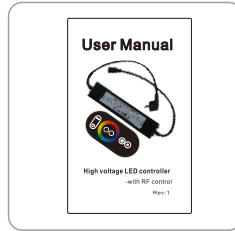| Remote | Holder | Accessories | 3M adhesive |

2.The controller product list:

| Controller | Accessories | User manual |

Installing caution

1.Please install the products by professional electrician.

2.Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.

3.Please don't install this controller in lightening, intense magnetic and high voltage fields.

4.Check if the voltage and power adapter suit the controller and LED lights.

5.Please make sure the wires can sufficiently load the LED lights for avoiding accident.

6.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 caused by negligence, inappropriate storing at high temperature and humidity or environment near harmful chemicals.

▪ Any damages due to transportation, breaking, flooding water after the purchase.

• Product appearance seriously damaged or deformation.

• Any damages caused by earthquake, fire, flood, lighting strike etc force majeure of natural disasters.

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 th maintainace process.

Product ordering information

NO	Product name	Model	Note
1	controller	C-00109-23	Not waterproof
2	controller	C-00109-24	waterproof

Version modify records

Version	Date	Content
REV: 1	2013.11.18	Created