

V2 + RT2

RF CCT

RF Dual Color LED Controller Kit

Features

- 2 channel constant voltage output.
- Ultra sensitive color adjustment touch wheel.
- Remote control support 4 quick brightness keys and 4 scene memories.
- Smooth dimming and switch without any flickering.
- Light on/off fade time 3s selectable.

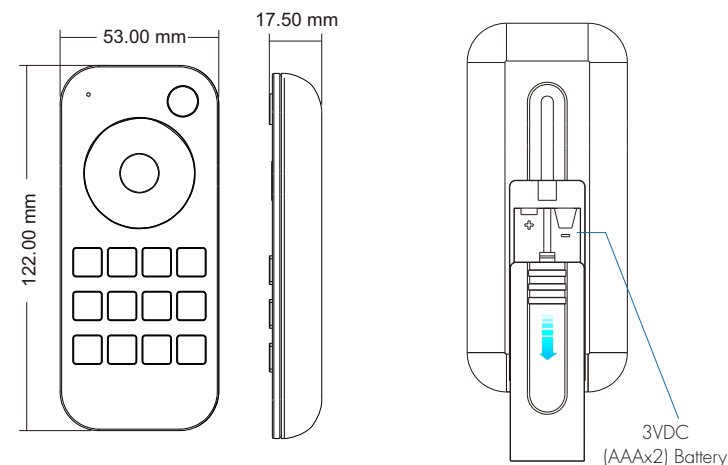
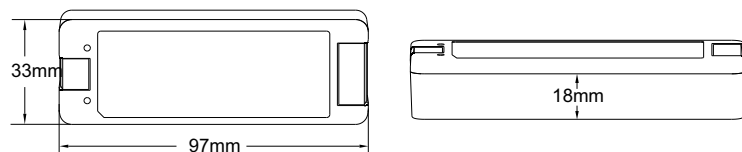
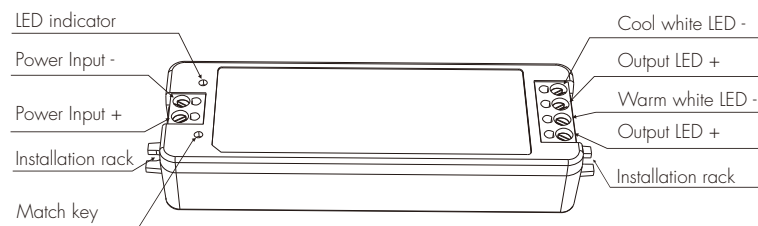


FC CE RoHS

Technical Parameters

LED Receiver's Input and Output		RF Remote's Input and Output		Safety and EMC	
Input voltage	12-24VDC	Output signal	RF 2.4GHz	EMC standard	EN IEC 55015/ EN IEC 61547 ETSI EN 301 489-1/-3
Input current	10.5A	Working voltage	3VDC(AAAx2)		
Output voltage	2x(12-24)VDC	Working current	<5mA	Safety standard	EN 61347-1/-2 EN 62493
Output current	2CH,5A/CH	Standby current	<10μA	Radio Equipment	ETSI EN 300 440
Output power	2 x (60-120)W	Standby time	1 year	Certification	CE RoHs FCC
Output type	Constant voltage	Remote distance	30m(Barrier-free space)		
Dimming data		Warranty and Protection		Environment	
Dimming level	4096 (2^12) levels	Warranty	5 years	Operation temperature	Ta: -30°C ~ +55°C
Dimming range	0-100%			Case temperature (Max.)	Tc: +85°C
Dimming curve	Linear	Protection	Reverse polarity Short circuit	IP rating	IP20
PWM Frequency	2000Hz (default)				

Mechanical Structures and Installations



Key Function



: Turn on/off light.

: Touch to change color temperature.

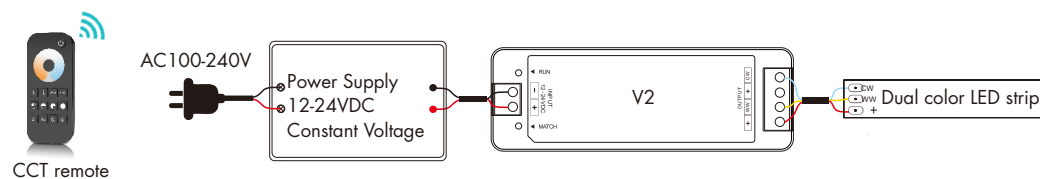
: Adjust brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

: Get warm white or cold white directly.

: 25%, 50%, 75%, 100% brightness.

: Short press recall the scene, long press 2s save current state into S1/2/3/4. The LED indicator display green when save OK.

Wiring Diagram



Note:

- Long press the match key for 15s to enable the continuous switch off-on two times rapidly to switch 3 levels color temperature function (This feature is disabled by factory default). Long press the match key for 10s to restore the factory setting.
- Power failure memory: after setting the light state for 5s, the current light state will be saved automatically, the light state will not be changed when re-powering.

Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection:

Use the controller's Match key

Match:
Short press match key,
immediately press on/off key of the remote.

Delete:
Press and hold match key for 5s to delete all match,
The light blinks 5 times means all matched remotes
were deleted.

Use Power Restart

Match:
Switch off the power, then switch on power, repeat again.
Immediately short press on/off key 3 times on the remote.
The light blinks 3 times means match is successful.

Delete:
Switch off the power, then switch on power, repeat again,
Immediately short press on/off key 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

Light on/off Fade Time

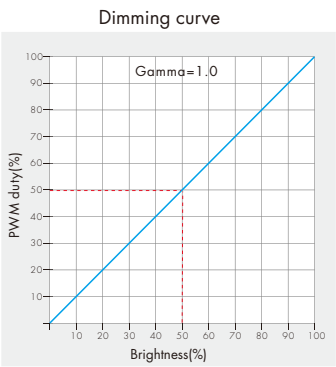
Long press match key 5s, then short press match key 3 times, the lighting effect will be set to the fade in and fade out in 3s,
the indicator light of LED controller blinks 3 times.
Long press match key 10s, restore factory default parameter, the light on/off time restores to 0.5s.

Dual Color Control

WW=Warm white LED CW=Cool white LED

Each channel can supply up to 120W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	WW=0W,CW=120W	WW=60W,CW=60W	WW=120W,CW=0W



Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Uneven intensity between front and rear,with voltage drop	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.	1. Replace battery. 2. Reduce remote distance. 3. Re-match the remote.

Statement

FCC ID Statement:

Mobile
RF Exposure Information
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

IC ID Statement:

Mobile
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

FCC Statement:

This device complies with Part 15 of the FCC Rules. operation is subject to the following two conditions:
(1)this device may not cause harmful interference, and
(2)this device must accept any interference received, including interference that may cause undesired operation.

IC Statement: This Class B digital apparatus complies with Canadian ICES-003.
(Cet appareil numérique de la Classe B conforme à la norme NMB-003 du Canada).