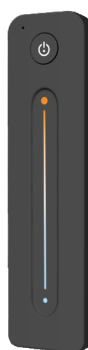


V2+R12

Dual Color LED Controller Kit

- Ultra sensitive color temperature touch slide.
- Smooth dimming and switch without any flickering.
- Light on/off fade time 3s selectable.
- Magnet on the back which can be easily stuck on back holder or any metal surfaces.

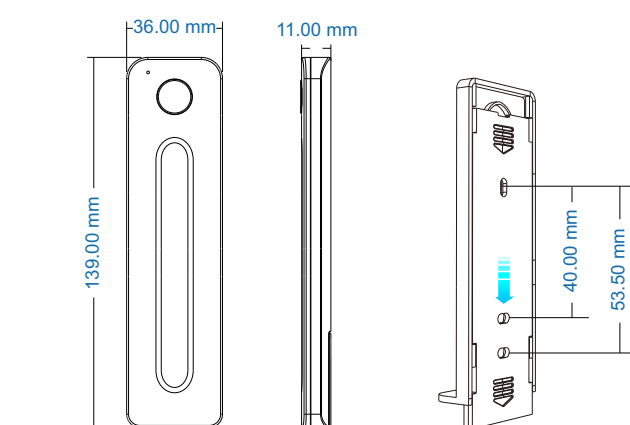
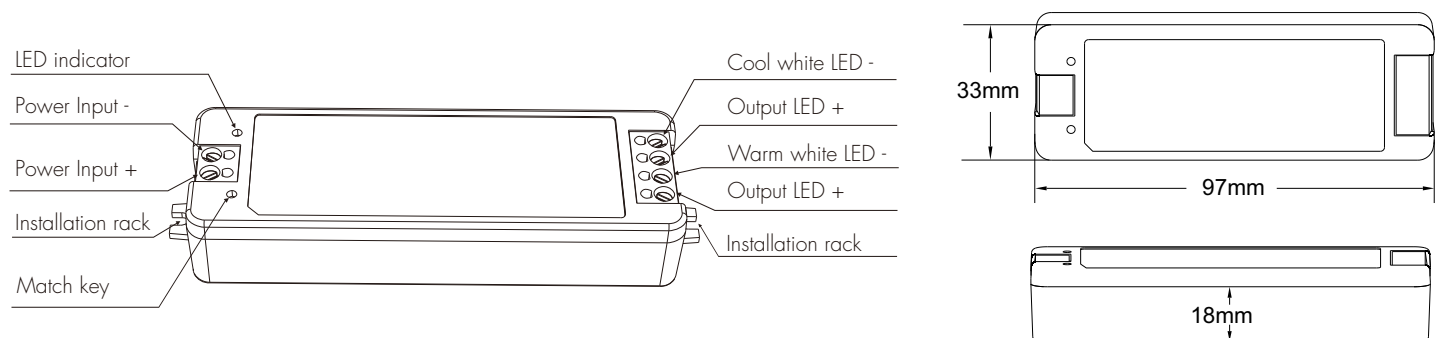


FC CE RoHS RED IC

Technical Parameters

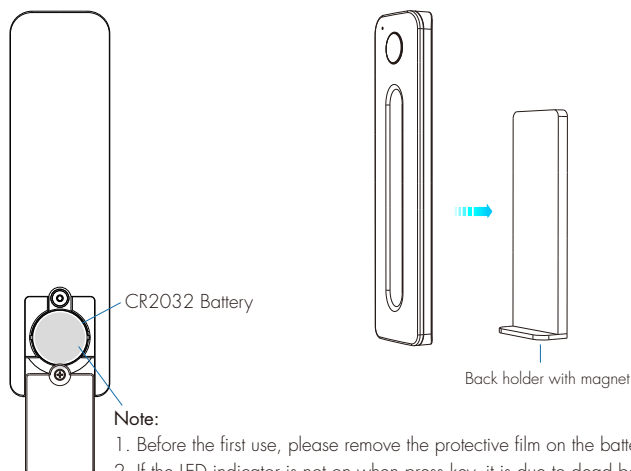
LED Receiver's Input and Output		LED Remote's Input and Output		Safety and EMC	
Input voltage	12-24VDC	Output signal	RF 2.4GHz	EMC standard	EN 55015 EN IEC 61547:2023 ETSI EN 301 489-1 ETSI EN 301 489-3 ETSI EN 301 489-17 EN 55032EN 55035
Input current	10.5A	Working voltage	3VDC(CR2032)	Safety standard	EN 61347-2-11 EN 61347-1
Output voltage	2x(12-24)VDC	Working current	<5mA	Radio Equipment	EN 62479:2010 EN 50663:2017 ETSI EN 300 440 ETSI EN 300 328
Output current	2CH,5A/CH	Standby current	<10µA	Certification	CE RED
Output power	2x(60-120)W	Standby time	1 year	Environment	
Output type	Constant voltage	Remote distance	30m(Barrier-free space)	Operation temperature	Ta: -30°C ~ +55°C
Dimming data		Warranty and Protection		Case temperature (Max.)	Tc: +85°C
Dimming level	4096 (2^12) levels	Warranty	5 years	IP rating	IP20
Dimming range	0-100%	Protection	Reverse polarity Short circuit		
Dimming curve	Logarithmic				
PWM Frequency	2000Hz (default)				

Mechanical Structures and Installations



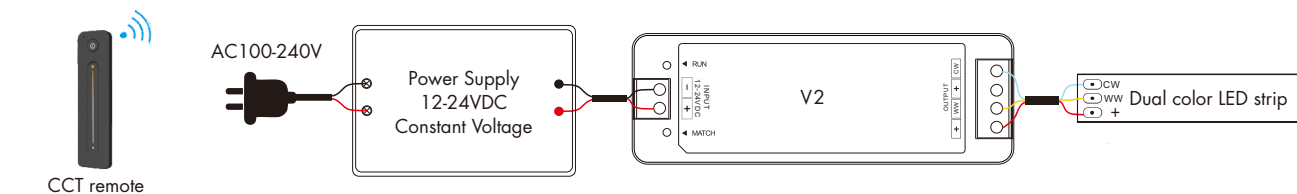
To fix the remote, three options are offered for selection:

- Option 1. Can be adsorbed directly onto metal surfaces.
- Option 2. Fix the remote' back holder on the wall with two screws.
- Option 3. Adhere the remote' back holder to the wall with pastar.



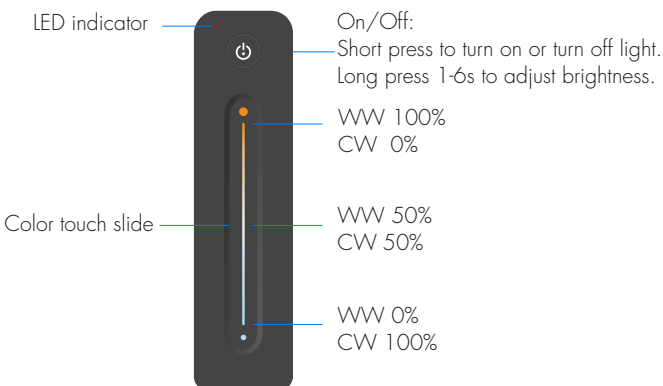
- Note:**
1. Before the first use, please remove the protective film on the battery.
 2. If the LED indicator is not on when press key, it is due to dead battery or bad contact caused by multiple plugging, please replace the battery, or raise the battery shrapnel with a screw driver.

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.

Key Function



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.

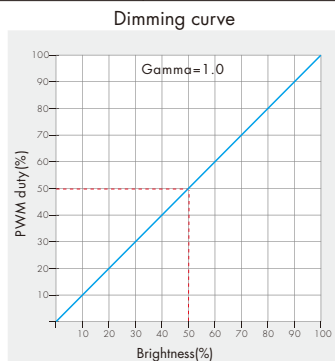
Delete:
Switch off the power, then switch on power, repeat again, Immediately short press on/off key 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

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



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.

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.