

Single Color LED Controller Kit

- Remote control or connected with external push switch to achieve on/off and dimming function.
- Ultra sensitive brightness adjustment 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.

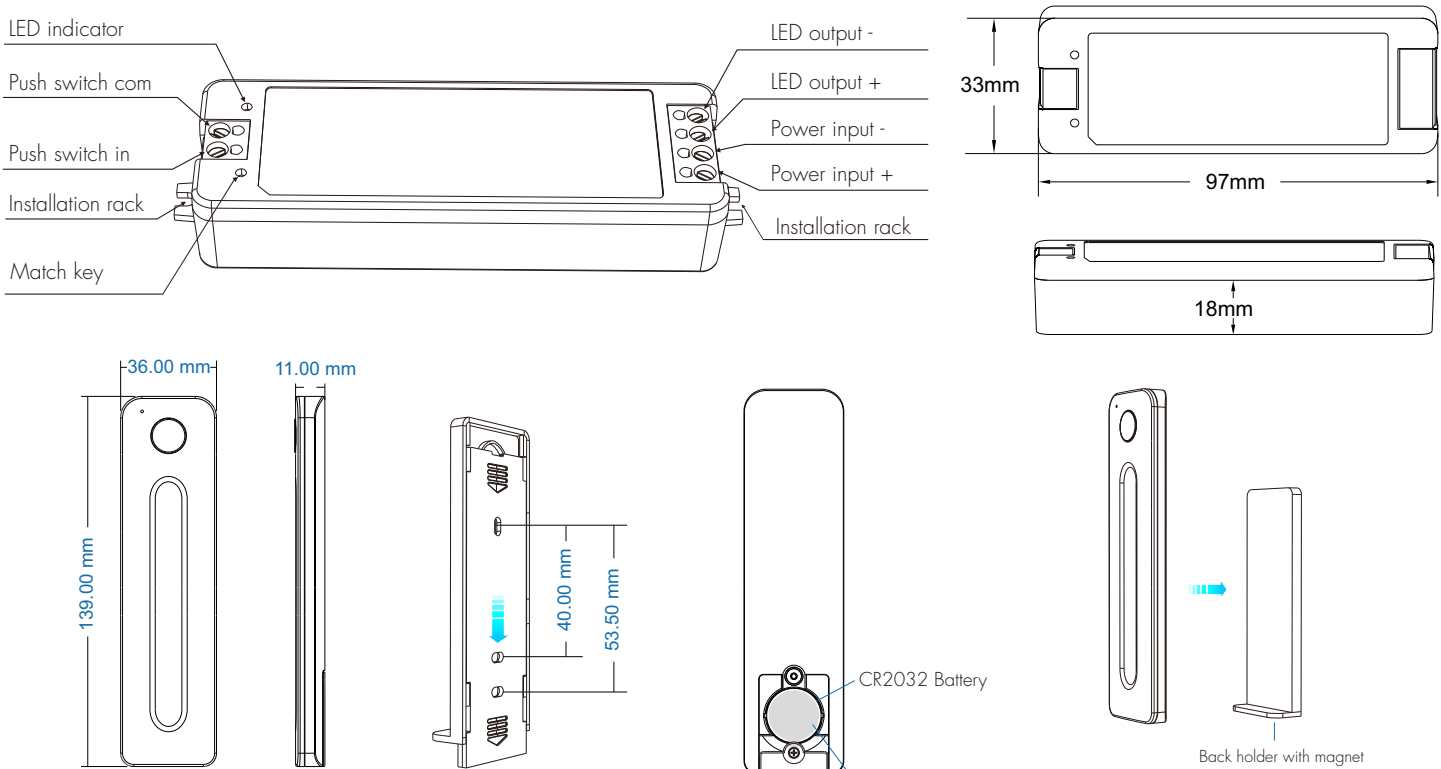


FC CE RoHS

Technical Parameters

LED Receiver's Input and Output		LED Remote's Input and Output		Safety and EMC	
Input voltage	5-36VDC	Output signal	RF 2.4GHz	EMC standard	EN IEC 55015/EN IEC 61547 ETSI EN 301 489-1/-3
Input current	8.5A	Working voltage	3VDC(CR2032)	Safety standard	EN 61347-1/-2 EN 62493
Output voltage	5-36VDC	Working current	<5mA	Radio Equipment	ETSI EN 300 440
Output current	1CH,8A	Standby current	<10μA	Certification	CE RoHS FCC
Output power	40W/96W/192W/288W (5V/12V/24V/36V)	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 Over-heat Over-load Short circuit		
Dimming curve	Logarithmic				
PWM Frequency	2000Hz (default)				

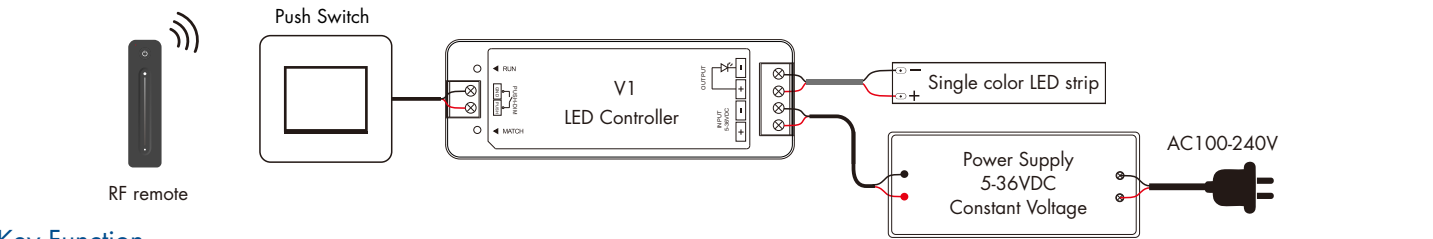
Mechanical Structures and Installations



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 paster.

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



Key Function

LED indicator

On/Off

Bright touch slide

100%

50%

1%

- \* To extend battery life, no operation after 20 seconds, the touch slide will enter sleep state.
- \* If the light is on, long press on/off key exceed 1 second, then touch slide to dimming.
- \* If the light is off, short press on/off key to turn on light, then touch slide to dimming.

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.

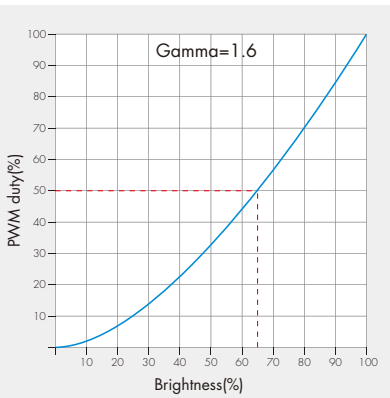
Delete:  
Switch off the power, then switch on power, repeat again, Immediately short press on/off key 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

Light on/off Fade Time

Long press match key 5s, then short press match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.

Long press match key 10s, restore factory default parameter, the light on/off time also restore to 0.5s.

Dimming Curve



Malfunctions Analysis & Troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. Nopower. 2. Wrongconnection 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.