

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.

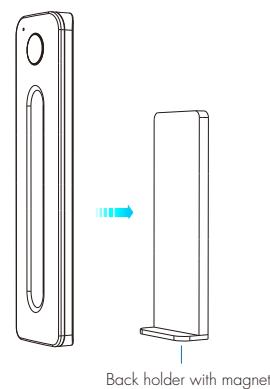
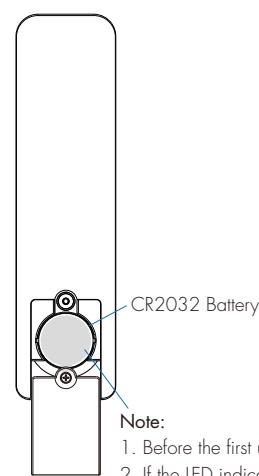
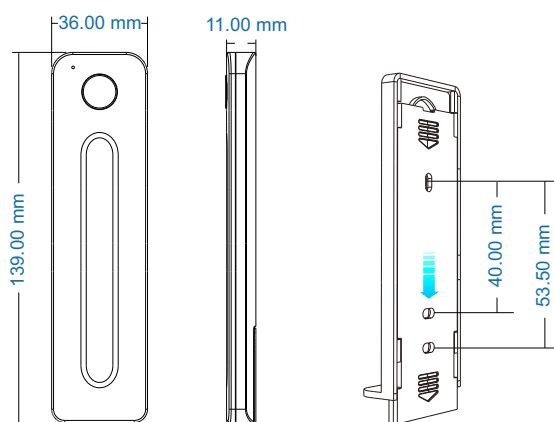
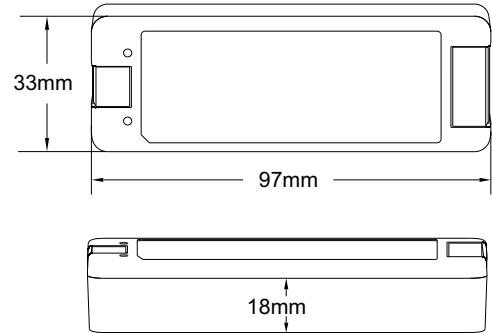
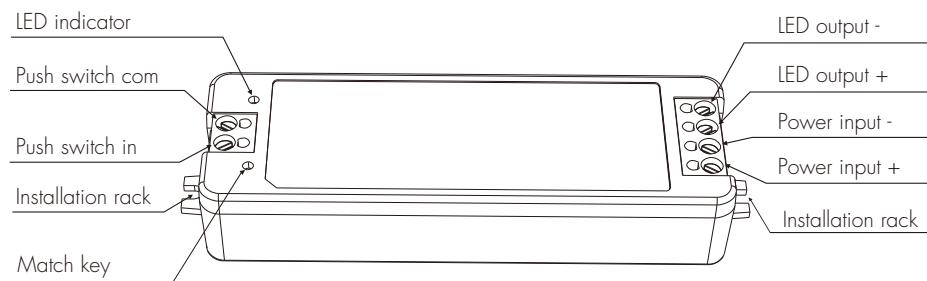


FCC CE RoHS

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
Input current 8.5A	Working voltage 3VDC(CR2032)	ETSI EN 301 489-1/-3
Output voltage 5-36VDC	Working current <5mA	Safety standard EN 61347-1/-2
Output current 1CH,8A	Standby current <10µA	EN 62493
Output power 40W/96W/192W/288W (5V/12V/24V/36V)	Standby time 1 year	Radio Equipment ETSI EN 300 440
Output type Constant voltage	Remote distance 30m(Barrier-free space)	Certification CE RoHS FCC
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%	Protection Reverse polarity	Case temperature (Max.) Tc: +85°C
Dimming curve Logarithmic	Over-heat	IP rating IP20
PWM Frequency 2000Hz (default)	Over-load	
	Short circuit	

Mechanical Structures and Installations

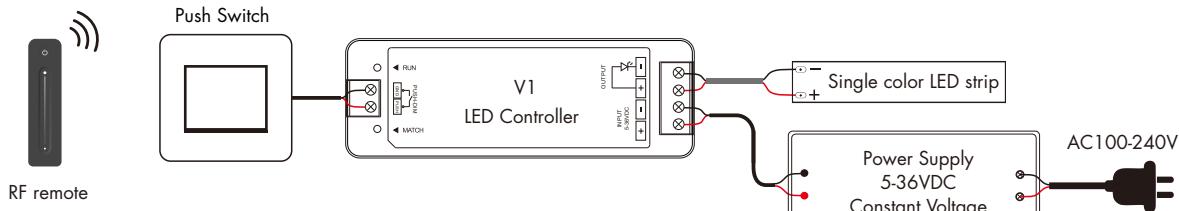


To fix the remote, three options are offered for selection:

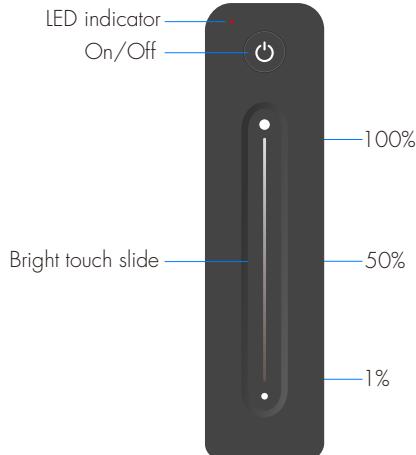
- Option 1. Can be adsorbed directly onto metal surfaces.
- Option 2. Fix the remote's back holder on the wall with two screws.
- Option 3. Adhere the remote's back holder to the wall with paster.

- 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



- * 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:

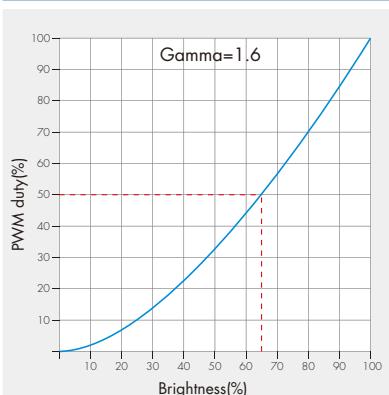
Switch off the power, then switch on power, repeat again,
Immediately short press on/off key 5 times on the remote.
The light blinks 5 times means all matched remotes were deleted.

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.