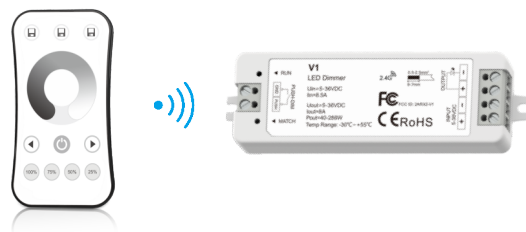


V1 + R6-1

RF Dimming Single Color LED Controller Kit

Features

- Ultra sensitive brightness adjustment touch wheel.
- The remote control support four quick brightness keys and three scene memories.
- Smooth dimming and switch without any flickering.
- Connected with external push switch to achieve on/off and dimming function.
- Light on/off fade time 3s selectable.

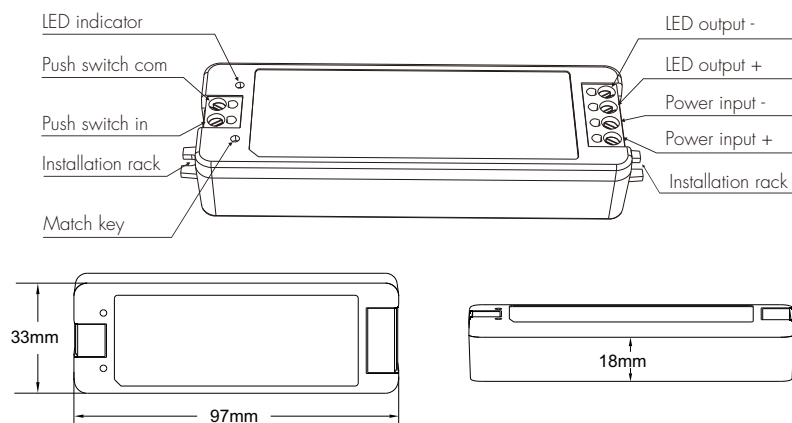


CE RoHS

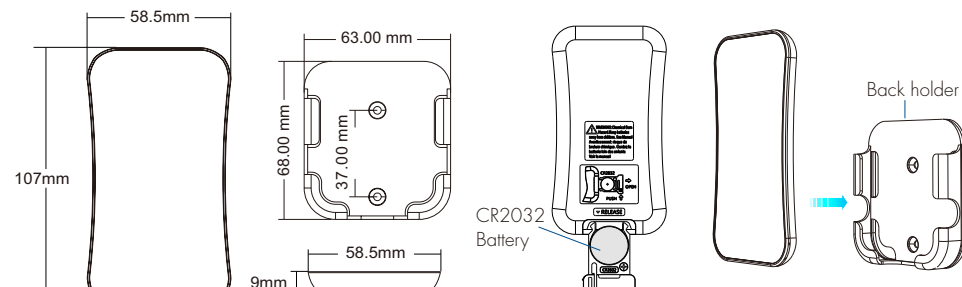
Technical Parameters

LED Receiver's Input and Output		RF 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)		
Output voltage	5-36VDC	Working current	<5mA	Safety standard	EN 61347-1/-2 EN 62493
Output current	1CH,8A	Standby current	<10μA	Radio Equipment	ETSI EN 300 440
Output power	40W/96W/192W/288W (5V/12V/24V/36V)	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	Logarithmic	Protection	Reverse polarity Over-heat Over-load Short circuit	IP rating	IP20
PWM Frequency	2000Hz (default)				

Mechanical Structures and Installations



RF DIM



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.

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

Option 1: fix the remote' back holder on the wall with two screws.

Option 2: adhere the remote' back holder to the wall with paster.

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

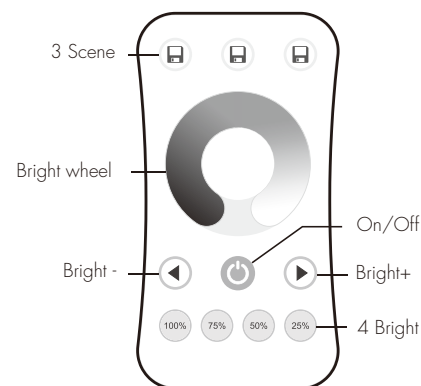
Match:

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.

Key Function



On/Off: Turn on/off light.

Bright wheel: Touch to change brightness.

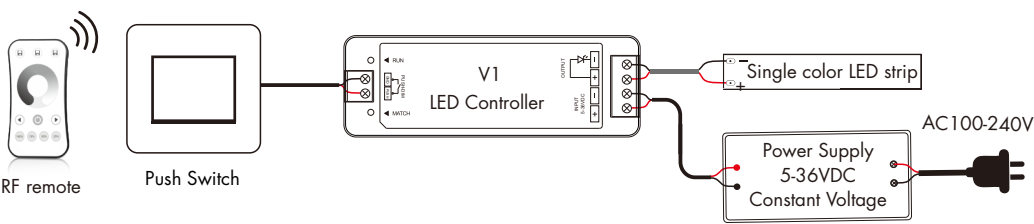
Bright+/-: Adjust brightness, short press 10 levels,
long press 1-6s for continuous 256 levels adjustment.

100%,75%,50%,25%: Get 4 kinds brightness directly.

3 Scene: Brightness memory.

Short press recall the scene,
long press 2s save the current brightness into the scene.
the LED indicator will light up longer when save OK.

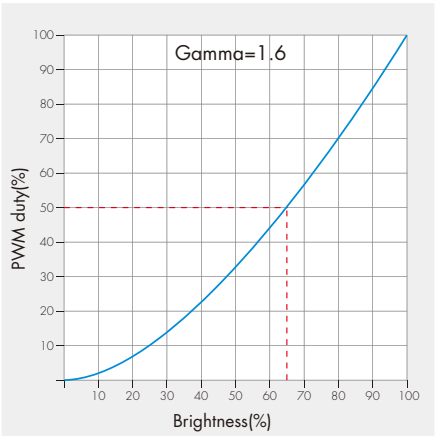
Wiring Diagram



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.

Safety Information

1. Read all instructions carefully before you begin this installation.
2. When installing battery, pay attention to the battery positive and negative polarity.
A long time without the remote control, remove the battery.
When remote distance becomes smaller and insensitive, replace the battery.
3. If no response from the receiver, please re-match the remote.
4. Gently handle remote, beware of falling.
5. For indoor and dry location use only.
6. Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children.
Do NOT dispose of batteries in household trash or incinerate.
7. Even used batteries may cause severe injury or death.
8. Call a local poison control center for treatment information.
9. Compatible battery type is CR2032 and the nominal battery voltage is 3V.
10. Non-rechargeable batteries are not to be recharged.
11. Do not force discharge, recharge, disassemble, heat above 55°C or incinerate.
Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
12. Ensure the batteries are installed correctly according to polarity (+ and -).
13. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
14. Remove and immediately recycle or dispose of batteries
from equipment not used for an extended period of time according to local regulations.
15. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

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.
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).