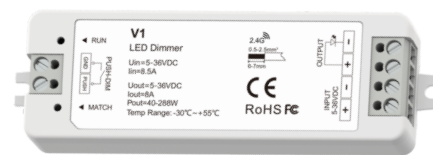


# V1 + R6-1

**RF DIM**

## RF Dimming Single Color LED Controller Kit

- 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.

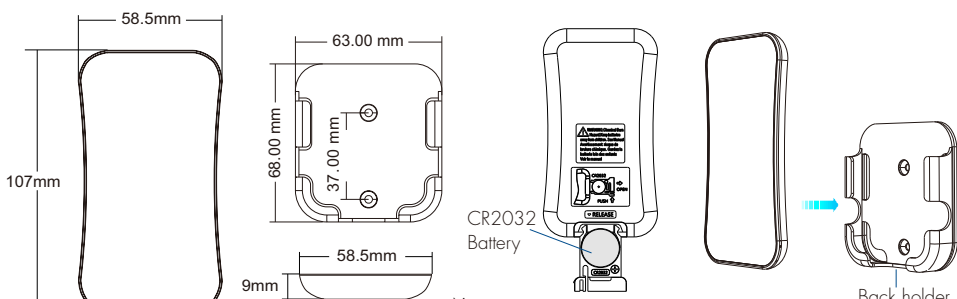
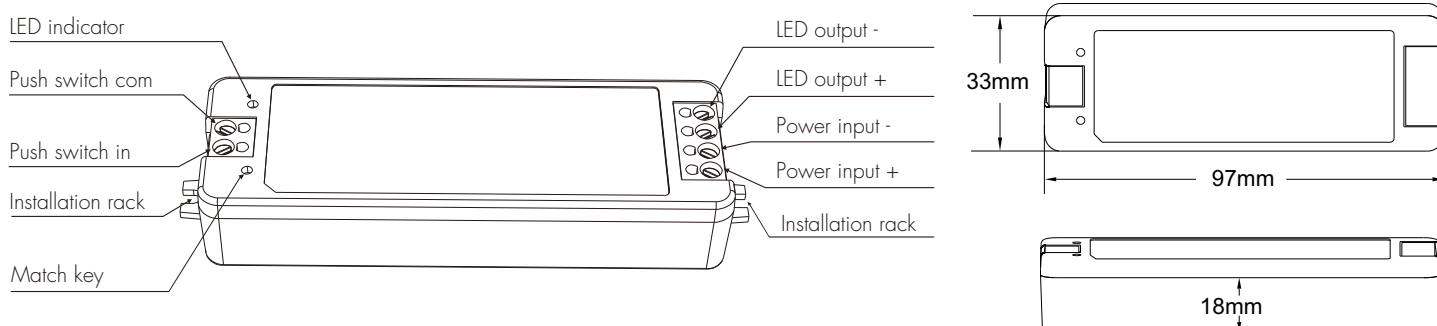


**FC CE RoHS**

### 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)	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 Overload Short circuit		
Dimming curve	Logarithmic				
PWM Frequency	2000Hz (default)				

### Mechanical Structures and Installations



**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 pastar.

### 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.

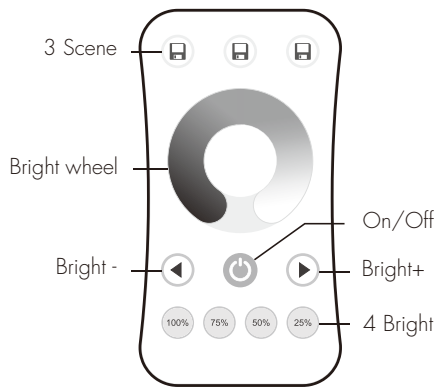
**Delete:**  
 Press and hold match key for 5s to delete all match, The light blinks 5 times means all matched remotes were deleted.

#### 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.

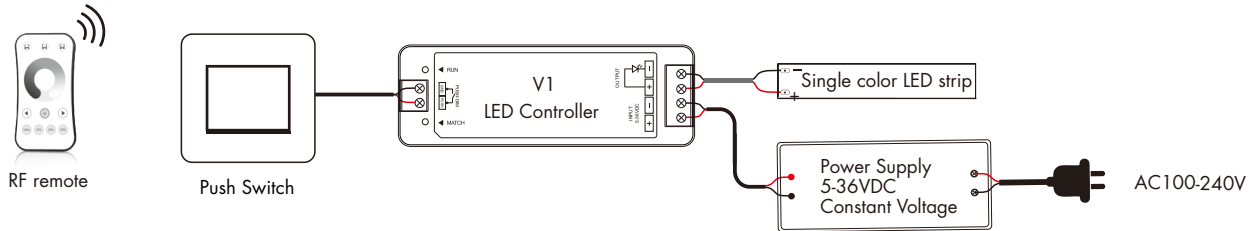
**Bright+/-:** Adjust brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

**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

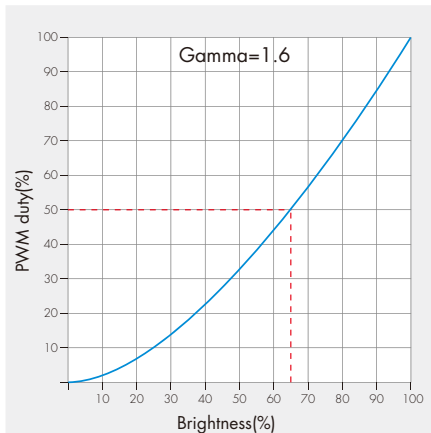


## Light on/off Fade Time

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. 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.
4. Do not force discharge, recharge, disassemble, or heat the battery.
5. Stop using the product if the battery compartment is not securely closed.
6. If swallowing occurs seek medical attention immediately.
7. Gently handle remote, beware of falling.
8. For indoor and dry location use only.

### 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).