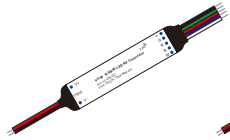


RGBW LED Mini RF Controller

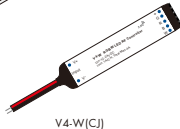
Model No.: V4-W

4 channel constant voltage/Max 75W/Stepless dimming/Wireless remote control



V4-W

Cable In /Cable Out Version



V4-W(CJ)

Cable In /4P Female Jack Out Version



V4-W(DJ)

DC Female Jack In /4P Female Jack Out Version

Model List

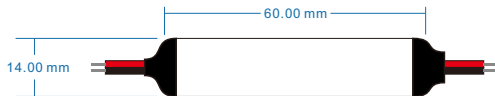
FC CE RoHS LVD RED

Model	Photo	Power Connector	LED Connector
V4-W		Red/Black Cable 10cm	5-color Flat Cable 10cm
V4-W(CJ)		Red/Black Cable 10cm	5-pin Flat Female Jack
V4-W(DJ)		5.5mm DC Female Jack	5-pin Flat Female Jack

Features

- 4 channel constant voltage RGBW LED mini RF controller.
- 1A per channel, output connect with 5 meters RGBW LED strip, max output power 75W.
- Match with RF 2.4G single zone or multiple zone RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.

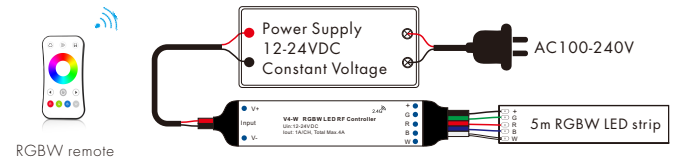
Dimension



Technical Parameters

Input and Output		Dimming data	
Input voltage	12-24VDC	Input signal	RF 2.4GHz
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)
Output power	Max. 75W	Dimming gray scale	4096 (2 ¹²) levels
Output type	Constant voltage	Dimming range	0 - 100%
Environment		Dimming curve	Logarithmic
Operation temperature	Ta: -30 °C ~ +55 °C	PWM Frequency	500Hz (default)
Case temperature (Max.)	Tc: +85 °C	Warranty and Protection	
IP rating	IP20	Warranty	5 years
Safety and EMC		Protection	Reverse Polarity
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4	Weight	
Safety standard(LVD)	EN 62368-1:2020+A11:2020	Net weight	0.008kg
Radio Equipment(REDE)	ETSI EN 300 328 V2.2.2	Gross weight	0.038kg
Certification	CE,EMC,LVD,RED		

Wiring Diagram



Match Remote Control

Match:

Switch off the power of the receiver, then switch on power, repeat again.

Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power of the receiver, then switch on power, repeat again.

Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

Application notes

1. All the receivers in the same zone.



RF remote

Auto-transmitting: One receiver can transmit the signals from the remote to another receiver within 30m, as long as there is a receiver within 30m, the remote control distance can be limitless.

Auto-synchronization: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote, under same dynamic mode and with same speed.

Receiver placement may offer up to 30m communication distance. Metals and other metal materials will reduce the range.

Strong signal sources such as WiFi routers and microwave ovens will affect the range.

We recommend for indoor applications that receiver placements should be no further apart than 15m.

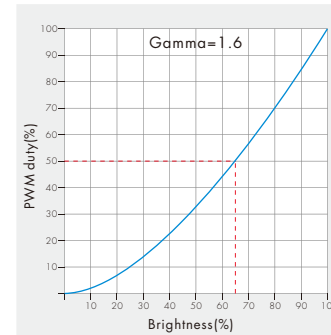
2. Each receiver(one or more) in a different zone, like zone 1, 2, 3 or 4.



RGBW dynamic mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

Dimming Curve



Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	1. No power. 2. Wrong connection or insecure.	1. Check the power. 2. Check the connection.
Wrong color	1. Wrong connection of R/G/B/VV wires.	1. Reconnect R/G/B/VV wires.
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.