



# LEDLyskilder V4-W RGBW LED Mini RF Controller User Manual

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## LEDLyskilder

RGBW LED Mini RF Controller

Model No.: V4-W

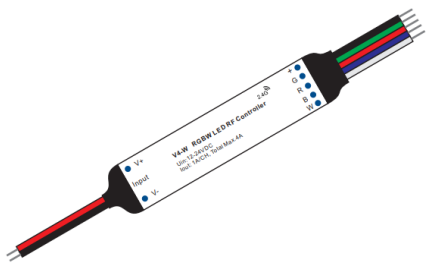
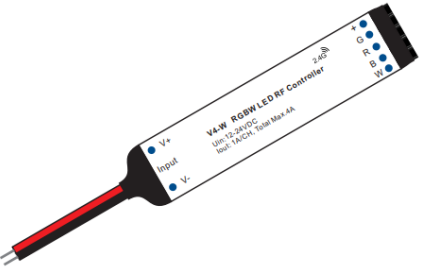
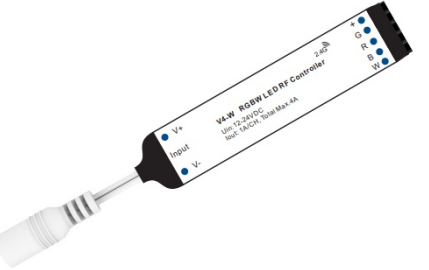
User Manual

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### V4-W RGBW LED Mini RF Controller

4 channel constant voltage/Max 75W/Step-less 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

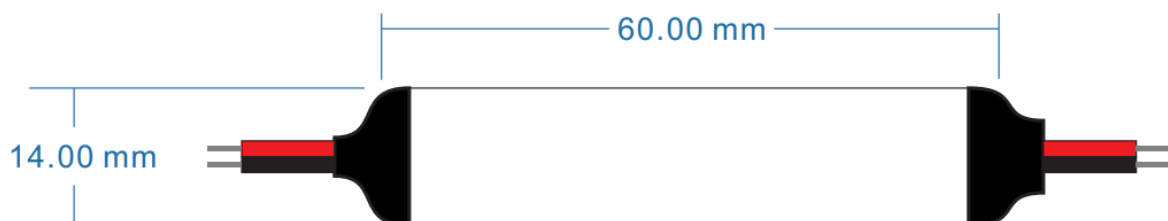
## Model List

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 connected 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 accepts up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Built-in 10 dynamic modes, including jump or gradual change style.
- Auto-transmitting function: Controller automatically transmits a signal to another controller with a 30m control distance.
- Synchronize on multiple controllers.

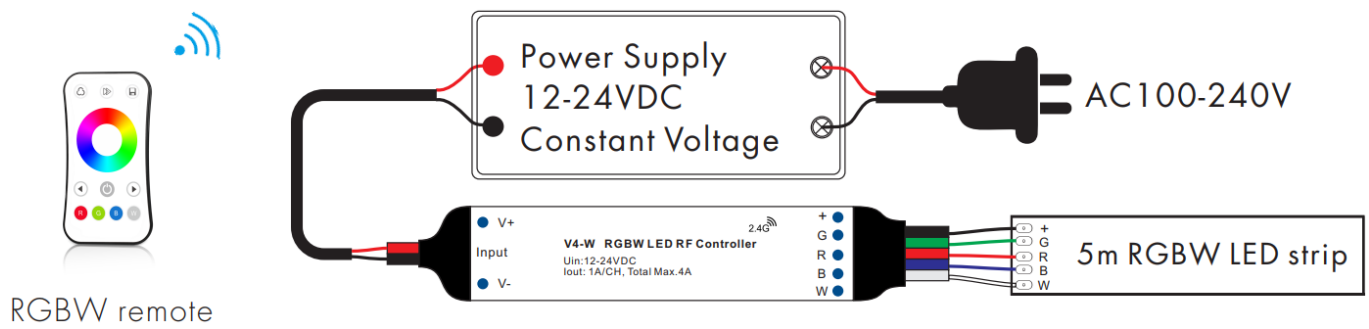
## Dimension



## Technical Parameters

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

## Wiring Diagram



## Match Remote Control

### Match:

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

An immediately short press on/off key (single zone remote) or zone key (multiple zones remote) 3 times on the remote.

The light blinks 3 times means the match is successful.

### Delete:

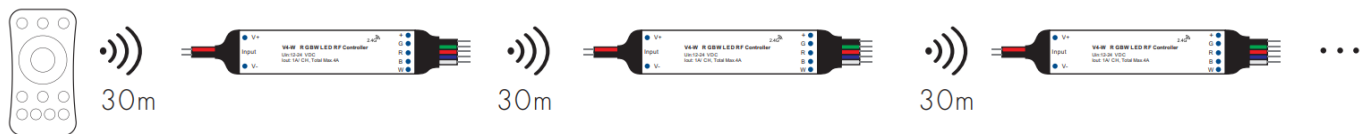
Switch off the power of the receiver, then switch on the power, and repeat again.

An immediately short press on/off key (single zone remote) or zone key (multiple zones remote) 5 times on the remote.

The light blinks 5 times means all matched remotes were deleted.

## Application notes

### 1. All the receivers are in the same zone.



**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.

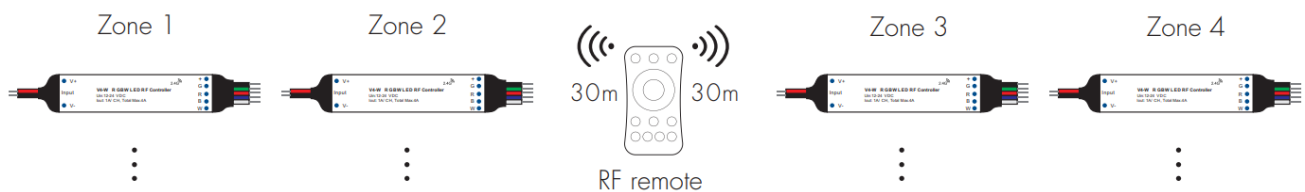
**Auto-synchronization:** Multiple receivers within a 30m distance can work synchronously when they are controlled by the same remote, under the same dynamic mode, and with the same speed.

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.

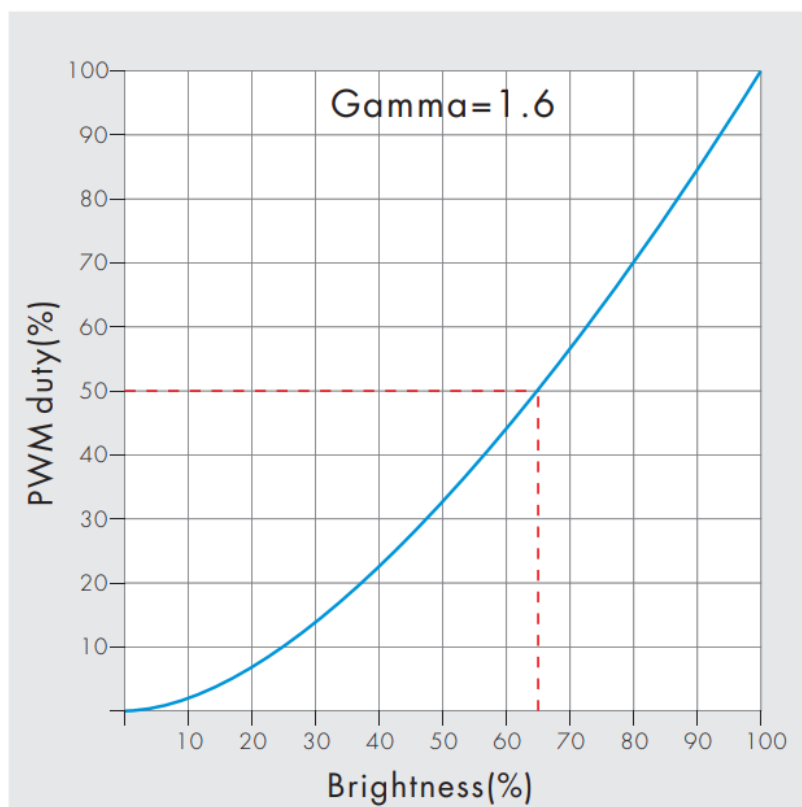
### 2. Each receiver(one or more) is in a different zone, like zone 1, 2, 3, or 4.



## RGBW dynamic mode list

No.	Name	No.	
1	RGB jump	6	RGB fa
2	RGB smooth	7	Red fad
3	6 color jump	8	Green f
4	6 color smooth	9	Blue fac
5	Yellow cyan purple smooth	10	White fe

### Dimming Curve



### Malfunctions analysis & troubleshooting

Malfunctions	Causes
No light	1. No power. 2. Wrong connection or insecurity.
Wrong color	1. Wrong connection of R/G/B/W wires.
No response from the remote	1. The battery has no power. 2. Beyond controllable distance. 3. The controller did not match the remote.








V4-W

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V4-W, RGBW LED Mini RF Controller, V4-W RGBW LED Mini RF Controller, Mini RF Controller , RF Controller