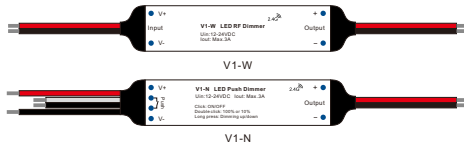


## Single Color LED Mini RF Controller

Model No.: V1-W, V1-N

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



FC CE RoHS EMC LVD RED

### Features

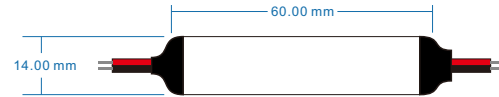
- 1 channel constant voltage single color LED mini RF controller.
- 3A per channel, output connect with 5 meters single color LED strip, max output power 75W.
- Match with Skydance's 2.4G single zone or multiple zone dimming remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.

### 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%
		Dimming curve	Logarithmic
		PWM Frequency	500Hz (default)
Safety and EMC		Environment	
EMC standard (EMC)	EN301 489,EN 62479	Operation temperature	Ta: -30°C ~ +55°C
Safety standard(LVD)	EN60950	Case temperature (Max.)	Tc: +85°C
Radio Equipment(RED)	EN300 328	IP rating	IP20
Certification	CE,EMC,LVD,RED		
Warranty and Protection		Weight	
Warranty	5 years	Net weight	0.007kg
Protection	Reverse Polarity	Gross weight	0.013kg

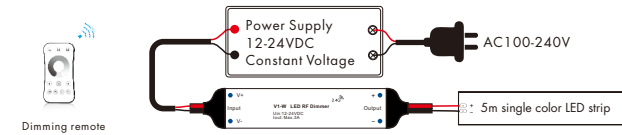
Model	Photo	Power Connector	LED Connector	Function
V1-W		Red/Black Cable 10cm	Red/Black Cable 10cm	Only RF remote
V1-W(D)		5.5mm DC Female Jack	5.5mm DC Male Jack	Only RF remote
V1-N		Red/Black Cable 10cm	Red/Black Cable 10cm	Push-Dim RF remote

### Dimension

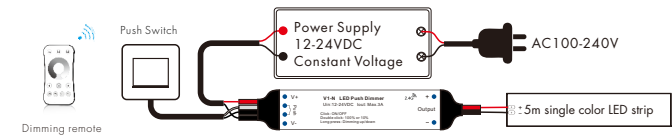


### Wiring Diagram

#### • V1-W



#### • V1-N



#### Push Dim function:

Click	ON/OFF
Double Click	Turn on at 100% or 10%(night light) and vice-versa
Long press(>1s) from OFF	Dimming UP/DOWN
Long press(>1s) from ON	Dimming UP/DOWN

## Match Remote Control

### Match:

Switch off the power, then switch on power 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, then switch on power 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.

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

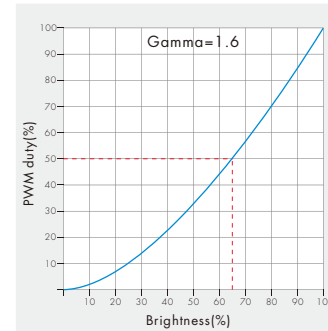
Strong signal sources such as WiFi routers and microwave ovens will affect the range.

We recommend for indoor applications that receiver placements should be no further apart than 1.5m.

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



## Dimming Curve



## Malfunctions analysis & troubleshooting

Malfunctions	Causes	Troubleshooting
No light	<ol style="list-style-type: none"> <li>1. No power.</li> <li>2. Wrong connection or insecure.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the power.</li> <li>2. Check the connection.</li> </ol>
No response from the remote	<ol style="list-style-type: none"> <li>1. The battery has no power.</li> <li>2. Beyond controllable distance.</li> <li>3. The controller did not match the remote.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace battery.</li> <li>2. Reduce remote distance.</li> <li>3. Re-match the remote.</li> </ol>