

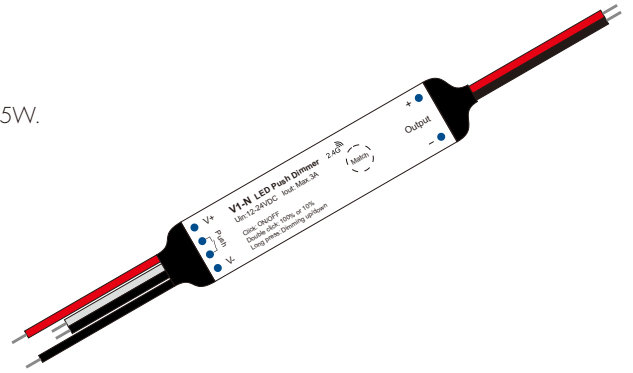
RF + Push Single Color LED Mini Controller

Model No.: V1-N

1 channel constant voltage/Push-Dim/Max 75W/Step-less dimming/Wireless remote control

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.
- Connect with push switch to achieve on/off and 0-100% dimming function.
- Match with RF 2.4G single zone or multiple zone dimming remote control optionally.
- 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.

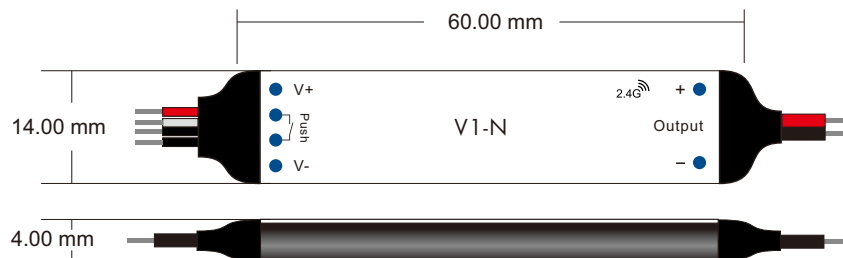


CE RoHS RED

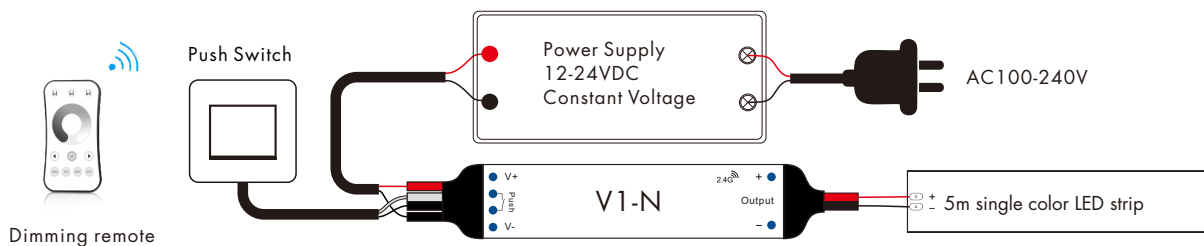
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	RF 2.4GHz	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Output voltage	12-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 62368-1:2020+A11:2020
Output power	Max. 75W	Dimming gray scale	4096 (2 ¹²) levels	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Output type	Constant voltage	Dimming range	0-100%	Certification	CE,EMC,RED
Environment		Dimming curve	Logarithmic	Package	
Operation temperature	Ta: -30°C ~ +55°C	PWM Frequency	500Hz (default)	Size	L90x H130mm
Case temperature (Max.)	Ta: +85°C	Warranty	5 years	Gross weight	0.013kg

Dimension



Wiring Diagram



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 (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 (single zone remote) or zone key (multiple zone remote) on the remote.

The light blinks 3 times means match is successful.

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 of the receiver, then switch on power.

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.

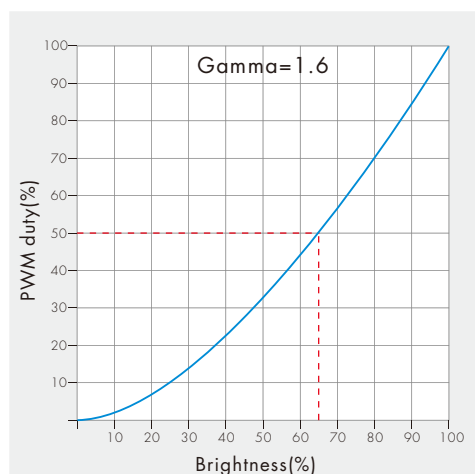
Delete:

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

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.

Dimming Curve



Malfunctions analysis & troubleshooting

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

Installation Precautions

- The products shall not be stacked, the distance should be $\geq 20\text{cm}$, so as not to affect lifespan of the products due to poor heat dissipation.
- The product shall not be installed close to the switching power supply with an interval of $\geq 20\text{cm}$ to avoid the radiation interference of the switching power supply.
- The installation height shall be $\geq 1\text{m}$ from the floor to avoid shortening the remote control distance due to too weak reception signal.
- The products are not allowed to be close to or covered by metal objects, with an interval of $\geq 20\text{cm}$ to avoid signal attenuation and shorten the remote control distance.
- Avoid installation at the corner of the wall or the corner of the beam, with an interval of $\geq 20\text{cm}$ to avoid signal interference.