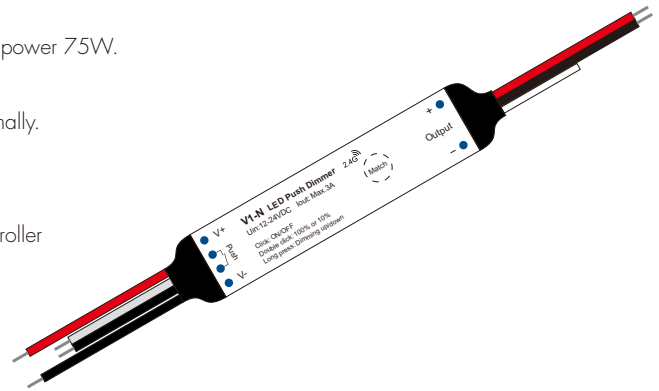


## RF + Push Single Color LED Mini Controller

- 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.

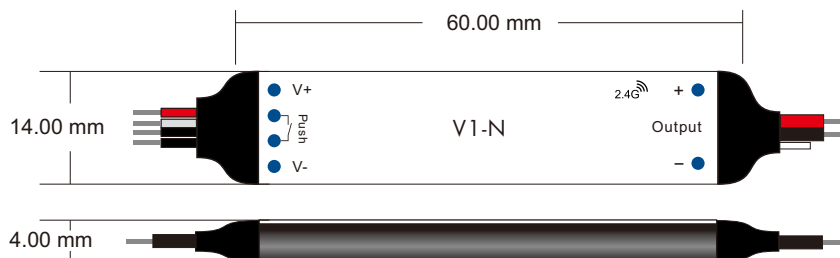


CE RoHS  RED

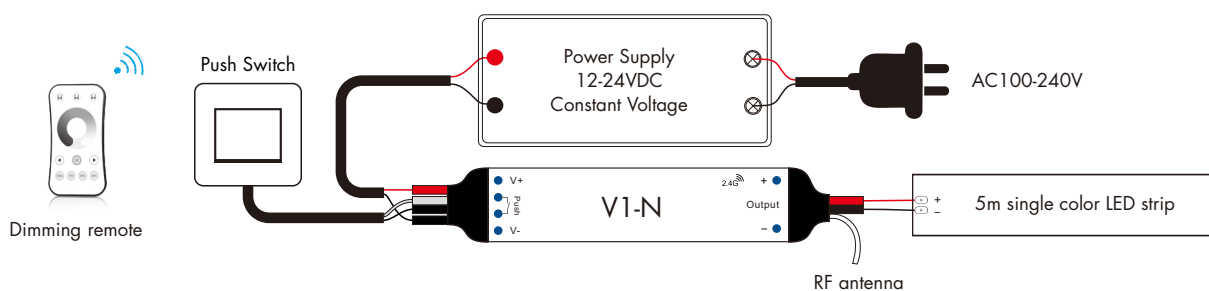
### Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	12-24VDC	Input signal	RF 2.4GHz + Push Dim	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 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
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
<b>Environment</b>		Dimming curve	Logarithmic	<b>Package</b>	
Operation temperature	Ta: -30°C ~ +55°C	PWM frequency	500Hz (default)	Size	190x H130mm
Case temperature (Max.)	Tc: +85°C	<b>Warranty</b>		Gross weight	0.013kg
IP rating	IP20	Warranty	5 years		

### 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

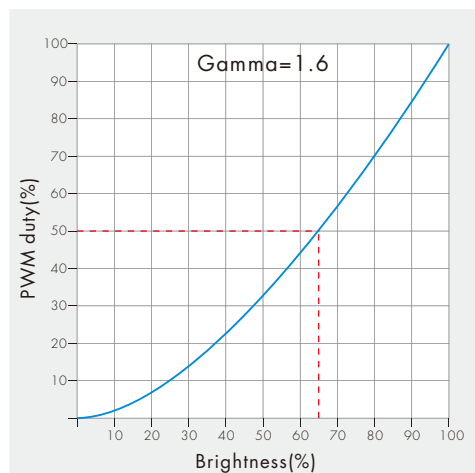
Match:

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

## 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.