

V1-KD

LED Knob Dimmer

Features

- Used for control single color constant voltage LED strips.
- Short press the knob to turn light on/off, rotate to adjust brightness.
- 4096 levels dimming smoothly without any flash.
- LED indicates the status during operation.
- Match with RF 2.4G single zone or multiple zone dimming remote control optional.
- Can be used as RF remote control, output RF 2.4G signal, remote control other RF LED controller or RF dimming driver.



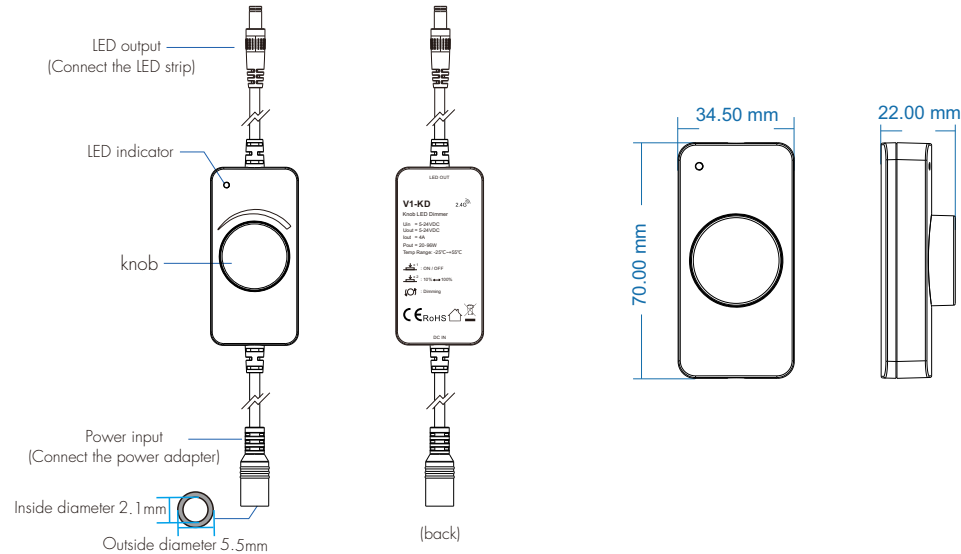
RF DIM

CE RoHS

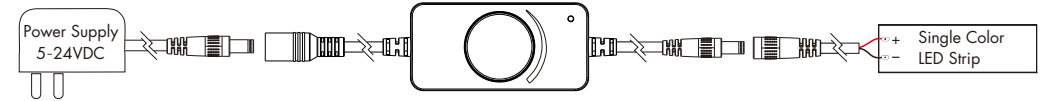
Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	5-24VDC	Input signal	Knob + RF 2.4GHz	EMC standard	EN IEC 55015 EN IEC 61547 ETSI EN 301 489-1/-3
Output voltage	5-24VDC	Control distance	30m(Barrier-free space)	Safety standard	EN 61347-1/-2
Output current	4A	Dimming gray scale	4096 levels	Radio equipment	ETSI EN 300 440
Output power	20-96W	Dimming range	0-100%	Certification	CE RoHS
PWM frequency	2000Hz	Environment			
Dimming curve	Logarithmic				
Warranty and Protection		Package			
Warranty	5 years	Size	110x57x28mm(LxVxH)		
Protection	Reverse polarity, over-heat, short circuit	Gross weight	0.054kg		
		IP rating	IP20		

Mechanical Structures and Installations



Wiring Diagram



Knob Function

Short press: Turn on or off the light.

Double click: Switch between 10% and 100% brightness.

Rotation: Adjust brightness from 0% to 100% (1 turn, 21 levels).

V1-KD Match RF Remote Controller (Use Power Restart)

Match:

Switch off the power, 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, 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.

V1-KD Used as RF Remote Controller

The V1-KD can be matched with one or more RF LED controllers/RF dimming drivers to remotely control other fixtures by knob.

For example, two V1-KD controllers are matched with each other for synchronized control.

End user can choose the suitable match/delete ways.

Use the controller's Match key

Match:

Short press the controller's match key,

immediately press the knob.

The LED indicator fast flash a few times means match is successful.

Delete:

Press and hold the controller's match key 5s,

The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

Match:

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

Immediately short press the knob 3 times.

The light blinks 3 times means match is successful.

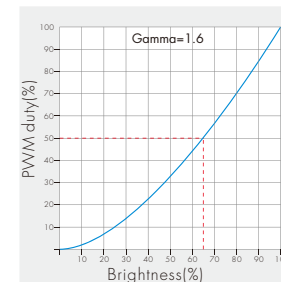
Delete:

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

Immediately short press the knob 5 times.

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

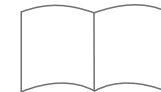
Dimming Curve



Packing List



LED Dimmer
1 pcs



User Manual
1 pcs



DC Extension Cable
1 pcs