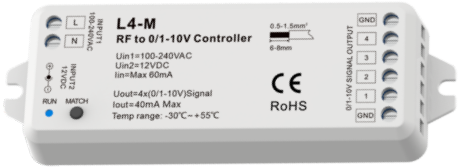


RF to 4 Channel 0/1-10V LED Dimmer

Features

- RF to 4 channel 0/1-10V converter, powered by AC or DC input.
- Output 4 channel 0/1-10V signal, connect with 0/1-10V dimmable driver.
- 256 levels 0-100% dimming smoothly without any flash.
- Match with RF 2.4G single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- Light on/off fade time 3s selectable.

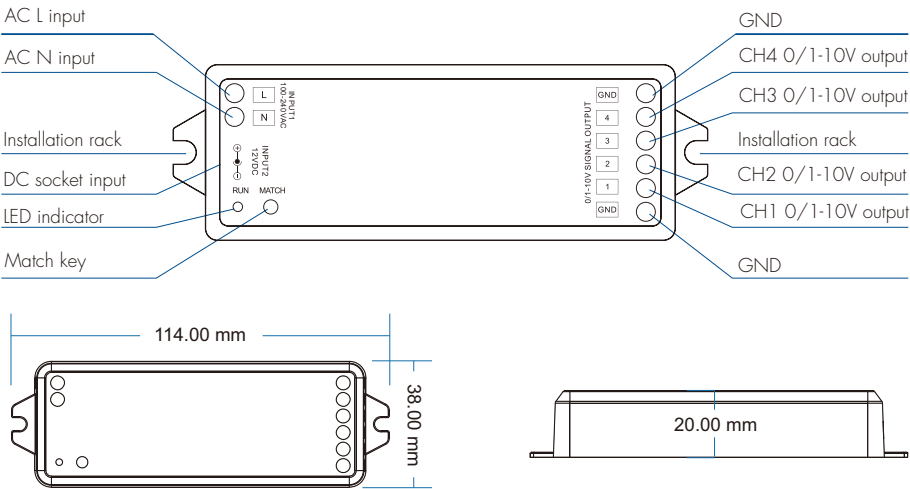


CE RoHS

Technical Parameters

Input and Output		Dimming data		Safety and EMC	
Input voltage	100-240VAC or 12VDC	Input signal	RF 2.4GHz	EMC standard	EN IEC 55015/ EN IEC 61547
Output signal	4 x [0/1-10]VDC	Control distance	30m[Barrier-free space]		ETSI EN 301 489-1/-3
Output current	4CH, 10mA/CH	Dimming range	0 -100%	Safety standard	EN 61347-1/-2
Environment		Dimming curve	Linear	Radio Equipment	ETSI EN 300 440
Operation temperature	Ta: -30℃ ~ +55℃	Package		Certification	CE RoHS
Case temperature (Max.)	Tc: +65℃	Size	L120 x W43 x H27mm	Warranty	
IP rating	IP20	Gross weight	0.068kg	Warranty	5 years

Mechanical Structures and Installations



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) of the remote.

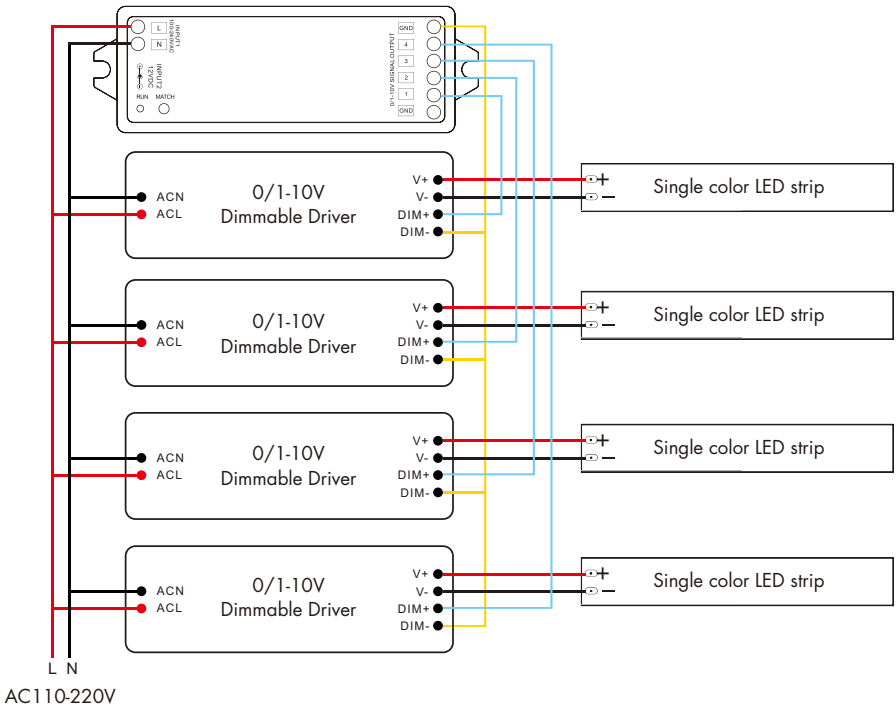
Delete:
Press and hold match key for 5s to delete all match,
The light blinks 5 times means all matched remotes were deleted.

Use Power Restart

Match:
Switch off the power, 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.

Wiring Diagram



Note:

1. User can connect AC100-240V power or DC12V power adapter as power input.
2. In order to ensure dimming consistency, we recommend the number of LED drivers connected to 0/1-10V dimmer does not exceed 25 pcs,
The maximum length of the wires from dimmer to LED driver should be no more than 50 meters
(use copper wire with a cross-sectional area of 0.75 mm² for wiring).

Light on/off Fade Time

Long press match key 5s, then short press match key 3 times, the light on/off time will be set to 3s, the indicator light blink 3 times.
Long press match key 10s, restore factory default parameter, the light on/off time also restore to 0.5s.

Available Remote Controller



RS6
4 Channel Dimming



RT1
1 Zone Dimming



RT6
4 Zone Dimming

If you use one receiver, you have two choices:

- Option 1: Match with RS6 4 channel dimming remote, 4 channel 0/1-10V signal can be controlled independently.
- Option 2: Match with RT1 one zone dimming remote, 4 channel 0/1-10V signal can be controlled synchronously.

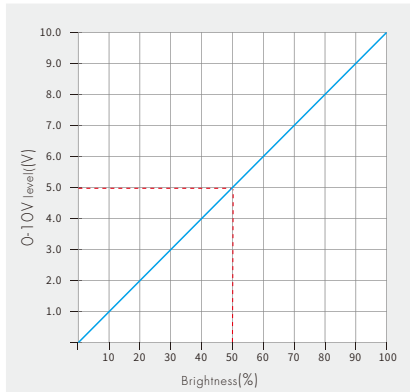
If you use multiple receivers, you have two choices:

- Option 2: Match with RT1 one zone dimming remote, multiple receivers can be controlled synchronously, and 4 channel 0/1-10V signal of each receiver are same.
- Option 2: Match with RT6 four zone dimming remote, each receiver(one or more) in a different zone.

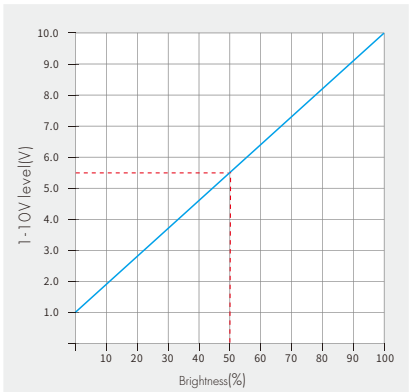
Dimming curve

Select a 0-10V or 1-10V dimmer according to the dimmable LED power supply.

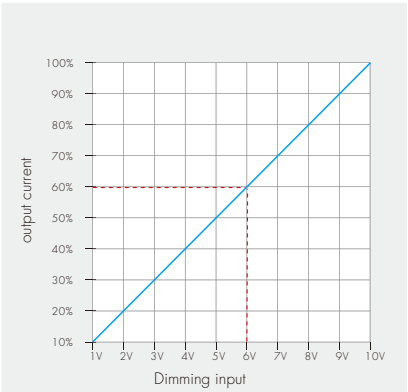
0-10V Dimmer



1-10V Dimmer



Long press the match key for 10s to select the 0-10V dimmer.
Long press the match key for 15s to select the 1-10V dimmer.



Note:
When the output channel is off, the output dimming signal is 0V.
Please read the dimming section of the 0/1-10V dimming driver manual.
If the dimming characteristic curve is the same as left,
it will not be able to turn off the lights,
you need select other models of 1-10V dimmer which have AC OUT function.