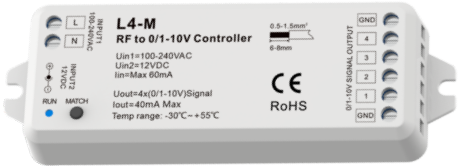


RF to 4 Channel 0/1-10V LED Dimmer

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.

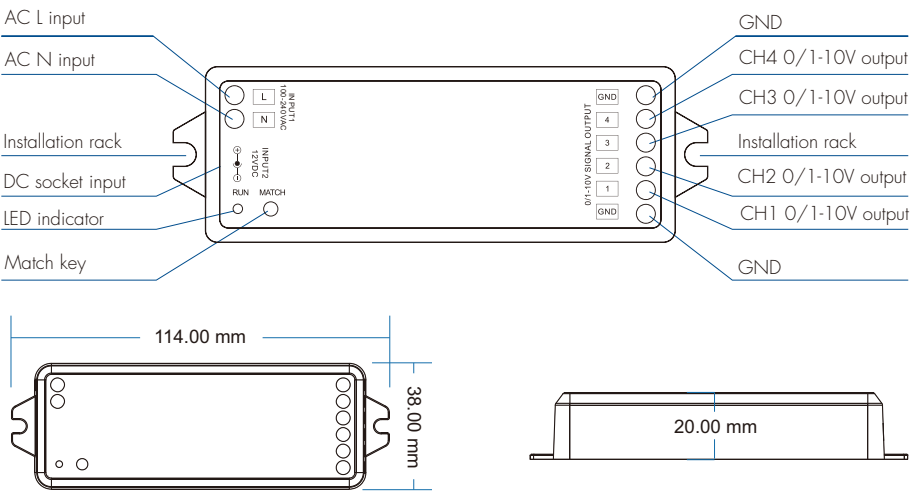


CE RoHS

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/<br>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.

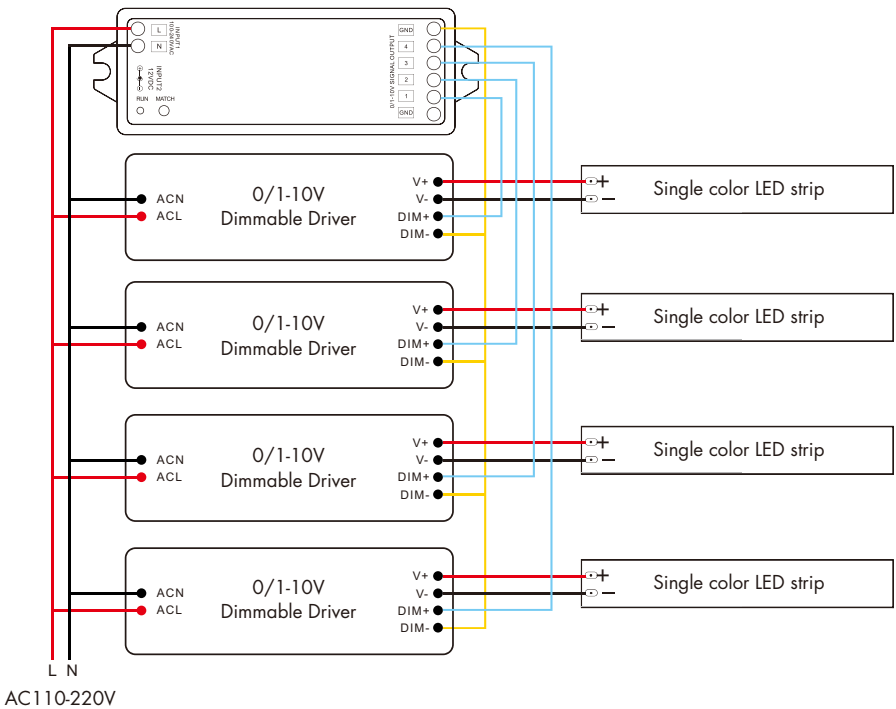
Delete:  
Press and hold match key for 5s to delete all match,  
The light blinks 5 times means all matched remotes were deleted.

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.

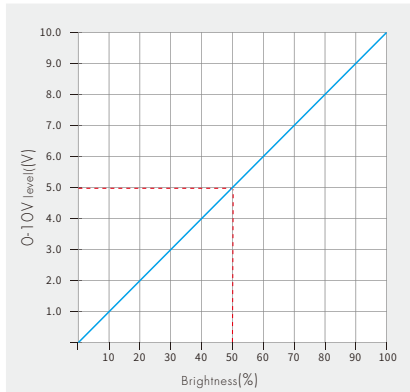
If you use multiple receivers, you have two choices:

- 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.

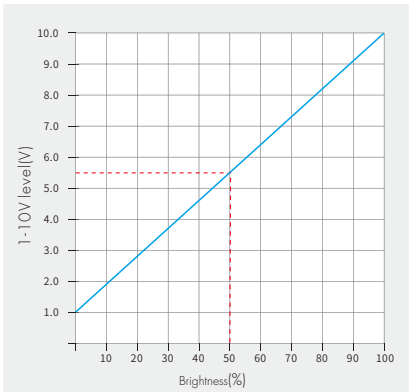
## Dimming curve

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

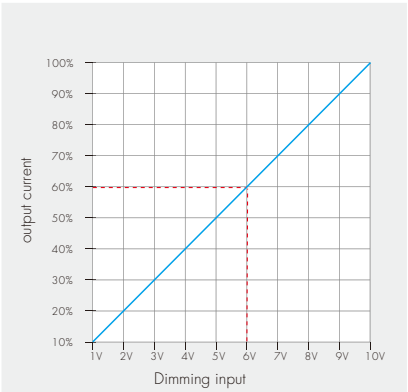
0-10V Dimmer



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.