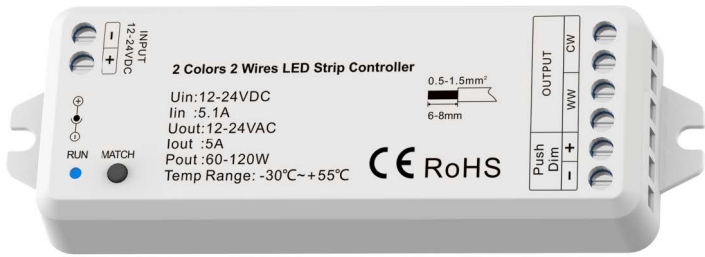


114643 | LED white dynamic Push/Funk PWM dimmer MiniAMP incl. remote control 12-24V DC, 5A



CE RoHS  LVD RED

Feature

- Only apply to 2-wires WW+CW LED strip.
- Match with 2.4G single zone or multiple zone dual color or single color remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- Auto-transmitting function: Controller automaticly transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Connect with external push switch to achieve on/off and 0-100% dimming function.

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Input current	5.1A
Output voltage	12-24VDC
Output current	5A
Output power	60-120W
Output type	Constant voltage

Dimming data	
Input signal	RF 2.4GHz + Push Dim
Control distance	30m
Dimming level	256 levels
Dimming range	0-100%
Dimming curve	Linear
PWM Frequency	500Hz

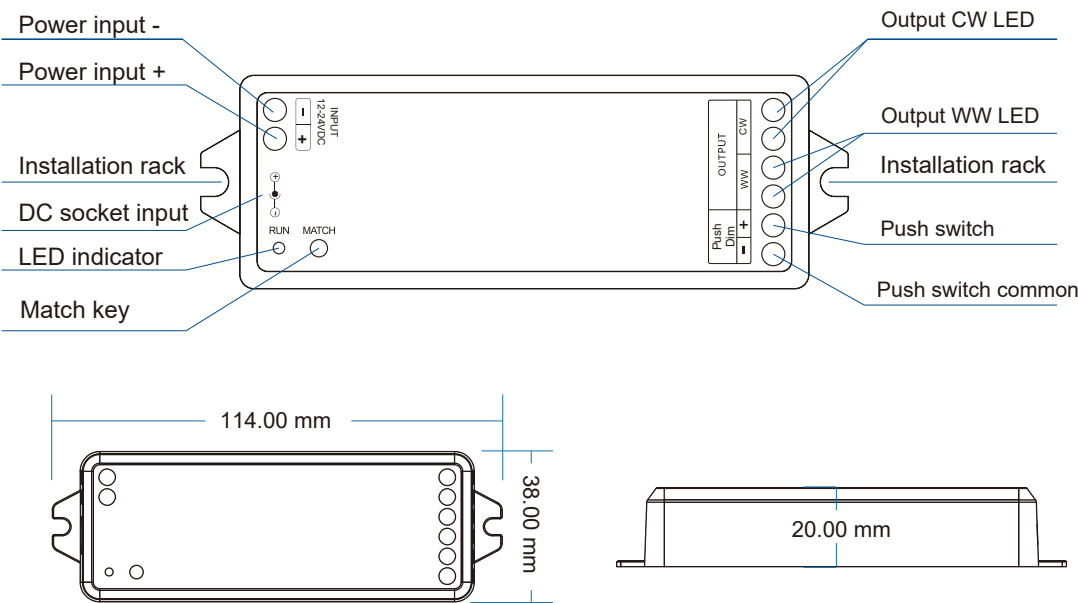
Safety and EMC	
EMC standard (EMC)	EN301 489,EN 62479
Safety standard(LVD)	EN60950
Safety standard(LVD)	EN300 328
Certification	CE,EMC,LVD,RED

Environment	
Operation temperature	Ta: -30 °C ~ +55 °C
Case temperature (Max.)	Tc: +85 °C
IP rating	IP20

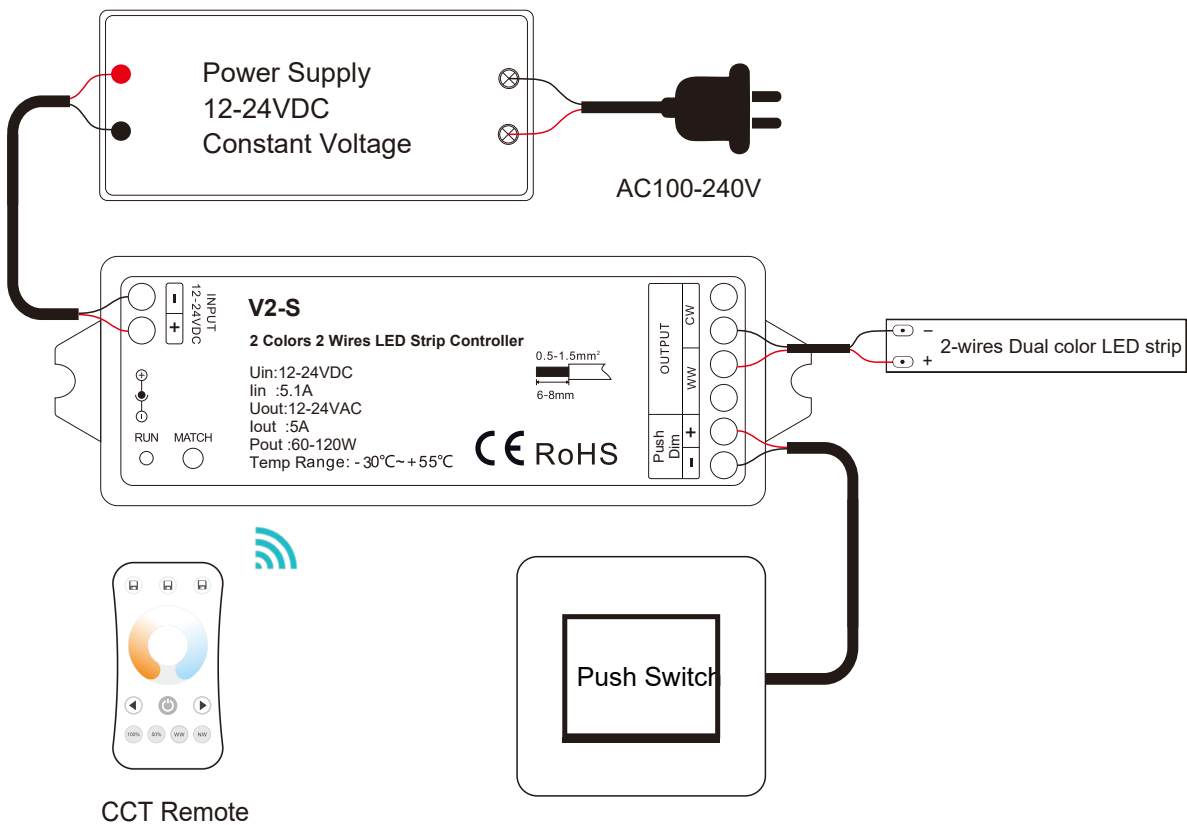
Warranty and Protection	
Warranty	5 years
Protection	Reverse Polarity

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Dimensionens



Wiring Diagram



Push Dim:

Click	ON/OFF
Long press(>1s) from OFF	Color temperature UP/DOWN (turn off and turn on to return dimming)
Long press(>1s) from ON	Dimming UP/DOWN

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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:

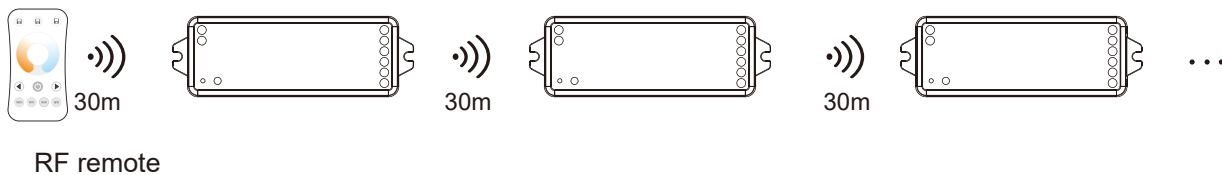
Switch off the power, then switch on power again, immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.

Delete:

Switch off the power, then switch on power 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.

Application notes

1. All receivers in the same zone.



Mesh-function: One receiver can transmit the signals from the remote to another receiver within 30m, as long as there is a receiver within 30m, the remote control distance can be limitless.

Auto. - synchro.: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote. Receiver placement may offer up to 30m communication distance. However, we recommend for indoor applications that receiver placements should be no further apart than 15m.

2. Each receiver(one or more) in a different zone, like zone 1, 2, 3 or 4.



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Push-Dim synchronizsation

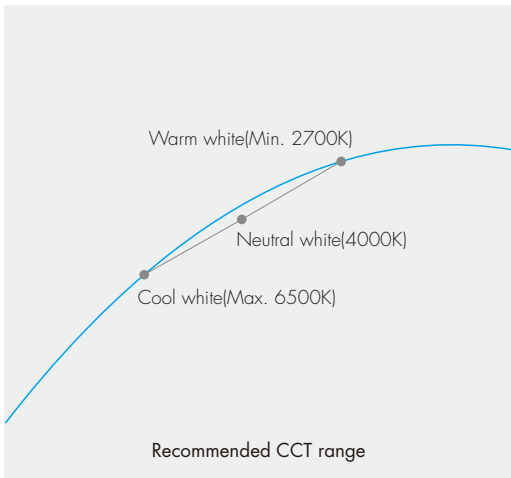
The provided Push-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switches.
If more than one controller are connected to the same push switch, do a long press for more than 10s, then the system is synchronized and all lights in the group dim up to 100%.
This means there is no need for any additional synchrony wire in larger installations.
We recommend the number of controllers connected to a push switch does not exceed 25 pieces,
The maximum length of the wires from push to controller should be no more than 20 meters.

Dual color control

Each channel can supply up to 120W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	WW=0W,CW=120W	WW=60W,CW=60W	WW=120W,CW=0W

Linear dual color tuning



Dimming curve

