

RGB/CCT/Dimming 3 Channel High Voltage LED Strip Controller

Model No.: S3

3 Channels/Step-less dimming/Push-dim/Wireless remote control

Features

- 3 channel high voltage LED strip controller, can control maximum about 50 meters of high voltage LED strip, different LED strip may have difference.
- 3 in 1 function, used for control RGB, color temperature or single color LED strip.
- Match with RF 2.4G single zone or multiple zone single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB light, built in 10 dynamic mode, include jump or gradual change style.
- Light on/off fade time 3s selectable.
- Connect with external push switch to achieve on/off and 0-100% dimming function.

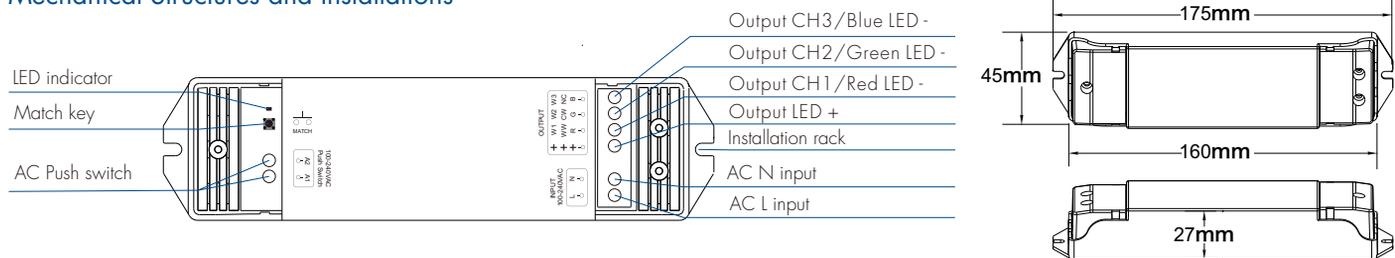


FC CE RoHS emc LVD RED

Technical Parameters

Input and Output		Safety and EMC		Dimming data	
Input voltage	100-240VAC	EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3	Input signal	RF 2.4GHz + Push Dim
Input current	3.2A		ETSI EN 301 489-17 V3.2.4	Dimming gray scale	4096 (2 ¹²) levels
Output voltage	3 x (100-240)VDC	Safety standard(LVD)	EN 62368-1:2020+A11:2020	Dimming range	0 - 100%
Output current	3CH, 1A/CH	Radio Equipment(RED)	ETSI EN 300 328 V2.2.2	PWM Frequency	2KHz
Output power	3 x (100-240)W	Certification	CE, EMC, LVD, RED	Package	
Environment		Warranty		Size	L178x W150 x H38mm
Operation temperature	Ta: -30°C ~ +55°C	Warranty	5 years	Gross weight	0.136kg
Case temperature (Max.)	Tc: +85°C				

Mechanical Structures and Installations



Match remote control

End user can choose the suitable match/delete ways. Two options are offered for selection:

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

Delete:
Press and hold match key for 10s, The LED indicator fast flash a few 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.

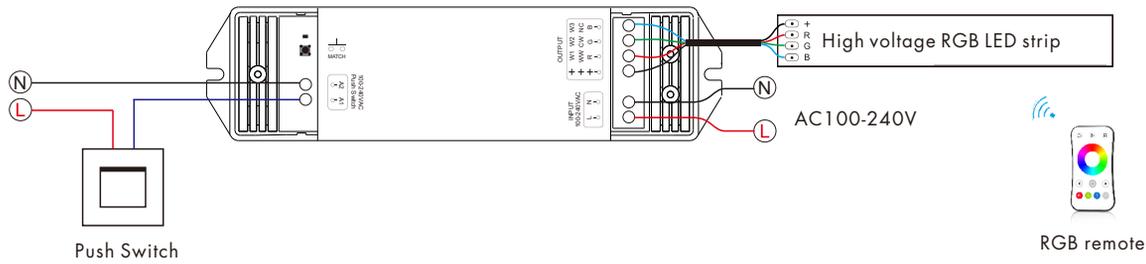
Fade in and Fade out Setting

Long press match key 5s, then short press match key 3 times, The lighting effect will be set to the fade in and fade out in 3s, the indicator light of LED controller blinks 3 times. Long press match key 10s, restore factory default parameter, the light on/off time restores to 0.5s.

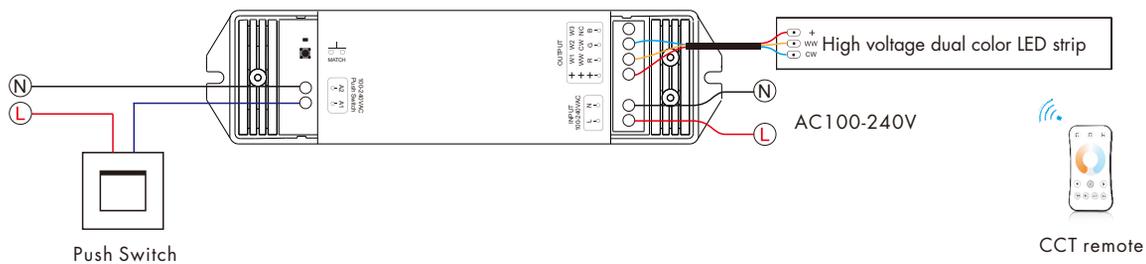
⚠ Caution: This controller apply for high voltage LED strip, please carefully ensure all wire connections and polarities are correct and secure before applying power, otherwise this controller or high voltage LED strip will be damaged.

Wiring Diagram

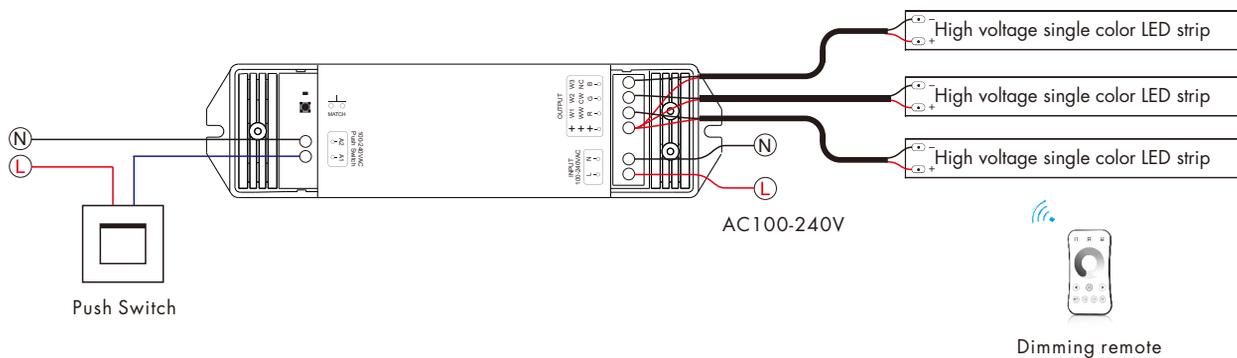
• S3 for RGB



• S3 for dual color



• S3 for single color



AC Push Dim Function

Short press: Turn on or off light.

Long press (1-6s): Press and hold to step-less dimming, With every other long press, the light level goes to the opposite direction.

Dimming memory: Light returns to the previous dimming level when switched off and on again, even at power failure.

RGB dynamic mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

Installation Precautions

1. 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.
2. 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.
3. 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.
4. 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.