RGBW/RGB/CCT/Dimming 4 Channels LED RF Controller

Model No. : S122-DH

4 Channels/DC power socket input/Step-less dimming/Wireless remote control/Auto-transmitting/Synchronize

Features

- DC power socket input and 4 channels constant voltage output.
- Match with RF 2.4G single zone or multiple zone single color, dual color and RGB/RGBW remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB/RGBW light, built in some dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
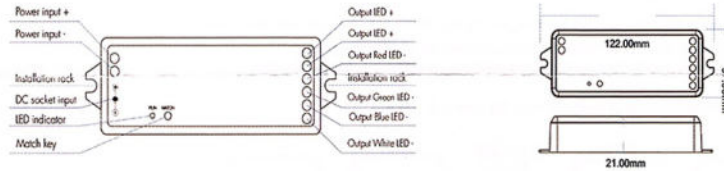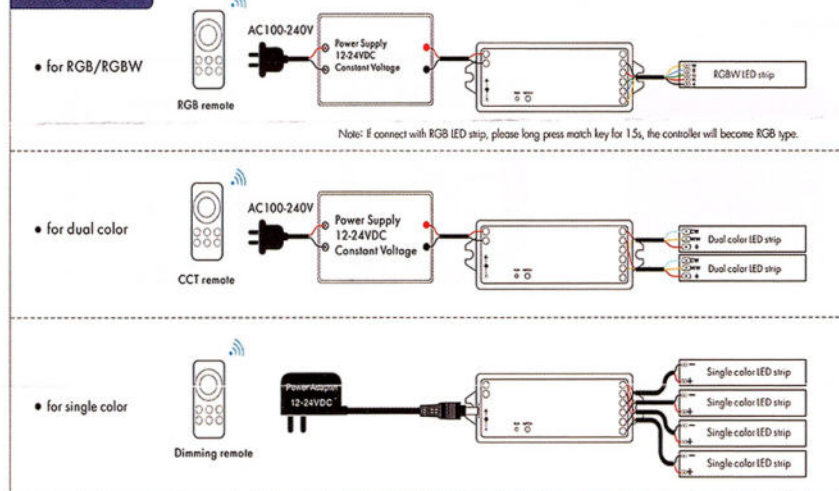- Synchronize on multiple number of controllers.

FC © CE RoHS EMC LVD RED

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Input current	15A
Output voltage	4 x (12-24)VDC
Output current	6A/CH
Total output Max	15A
Output type	Constant voltage

Environment	
Operation temperature	Ta:-20-60°C
Case temperature (Max.)	T c:+85°C

Dimming data	
Input signal	RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	0-100%
Dimming curve	Logarithmic

Package and Protection	
Size	L122 x W37 x H21 mm
Protection	Reverse polarity
	Short circuit

Mechanical Structures and Installations

Wiring Diagram

- for RGB/RGBW

Note: If connect with RGB LED strip, please long press match key for 15s, the controller will become RGB type.

- for dual color

- for single color

Note: User can connect constant voltage power supply or power adapter as power input.

Match Remote Control (two match ways)

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

Use the receiver match key

Match

Short press the match key on the receiver, the indicator light is on and flashing At this time, long press the"ON" key on the remote control, the indicator light will slowly blinks 3 times means match is successful

Delete

Short press the match key on the receiver, the indicator light is on and flashing At this time, long press the"ON" key on the remote control, the indicator light will quickly blinks 5 times means the matched remotes were deleted

Use power restart

Match.

First, switch off the power on the receiver for 1-2 seconds, then switch on power for 1-2 seconds, repeat again, the indicator light is on and flashing At this time, long press the"ON"key on the remote control, the indicator light will slowly blinks 3 times means match is successful
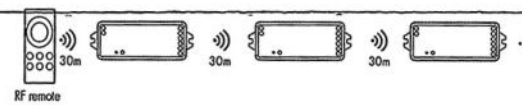
Delete·

First, switch off the power on the receiver for 1-2 seconds, then switch on power for 1-2 seconds, repeat again, the indicator light is on and flashing At this time, long press the"ON"key on the remote control, the indicator light will quickly blinks 5 times means the matched remotes were deleted

*Note: Long press the match key on the receiver for 5 seconds, the indicator light will quickly blinks 9 times means all the matched remotes were deleted. The receiver can be all remotes controlled after the matched remotes were deleted.

Application notes

1. All the receivers in the same zone.

RF remote

Auto-transmitting: 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 extended.

Auto-synchronization: Multiple receivers within 30m distance can work synchronously when they are controlled by the same remote, under same dynamic mode and with same speed.

Receiver placement may offer up to 30m communication distance. Metals and other metal materials will reduce the range.

Strong signal sources such as WiFi routers and microwave ovens will affect the range.

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.

RF remote

Dimming curve

Linear dual color tuning

Dimming curve for CCT

Dimming curve for RGBW/RGB/DIM