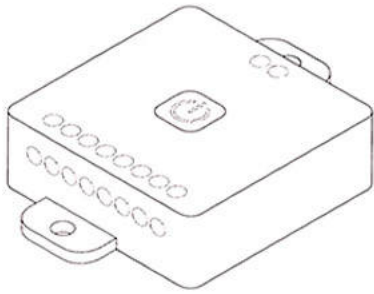


SP630E Instructions



SPI+5CH PWM All In One LED Controller



1. Brief:

SP630E is compatible with multiple types of LEDs. It can work with 1/2/3/4/5CH W/CCT/RGB/RGBW/RGBCCT PWM and addressble LEDs, and it can also work with addressble+PWM combined LEDs:

- Click the icon in the upper right corner of the App to enter the settings page, where you can modify the name, modify the type of LED, calibrate the color order, set the timings, set the on/off effect, etc.

4. 2.4G Touch Remote Control:

SP630E can be used with 2.4G touch remote control and 2.4G touch 86-type panel; There are 4 kinds of remote control, 4 kinds of 86-type panel; different type of LED match different remote and panel models:

1CH PWM Single Color	2CH PWM CCT	3CH PWM RGB	4CH PWM RGBW	5CH PWM RGBCCT	SPI Single Color
RB1	RB2	RB3	RB3	RB4	RB1
RB2	RB3	RB3	RB4	RB3	RB4
RB2	RB3	RB3	RB4	RB3	RB4

Remote Models



NO.	Parameters			LED Type
	RGB	CW	WW	
1				1CH PWM Single Color
2				2CH PWM CCT
3				3CH PWM RGB
4				4CH PWM RGBW
5				5CH PWM RGBCCT
6				SPI Single Color
7				SPI CCT
8				SPI RGB
9				SPI RGBW
10				SPI RGBCCT
11				SPI RGB+1CH PWM Single Color
12				SPI RGB+2CH PWM CCT

note: user can select the specific LED type on the App setting page

2. Features:

- High performance, low power consumption 2.4G Bluetooth microprocessor;
- Compatible with 12 kinds of type of LEDs;
- Support App control, 2.4G touch remote control and 2.4G touch 86-type control panel;
- The remote control and 86-type control panel can be set up for zone-control (can be divided into 4 zones), or unified control (ALL);
- Support to set kinds of on/off animations and the default power-on state.
- Support for modifying device name, color order correction and setting timers.
- Support 3 kinds of music capture modes: cell phone microphone, player streaming, on-board microphone.
- 5 major control pages in the App: dynamic, static, music, custom and setting; select different types of LED correspond to different App page content, as follows:

86-Type Panel Models



Touch Functions

ON	OFF	Brightness Level	Warm/Nature/Cold White	White	Color HUE/ Temperature Ring

Note: 1. Within 20s after power on, long press the ON key: binding/unbinding the remote/panel;
2. Within 20s after power on, long press Zone1-4/ZoneAll, to set the Zones;

5. Technical Parameters:

SP630E

Working Voltage: DC5V-24V	Working Current: 3mA-13mA
PWM Single Channel Maximum Output Current: 6A	PWM Total Maximum Output Current: 12A
Working Temp: -20°C-60°C	Dimensions: 78mm*56mm*20mm

Functions	APP Pages		Dynamic		Static		Music		Custom
	Colorful	White	Colorful	White	Colorful	White	DIY		
1CH PWM Single Color	None	3	None	DIM	None	1	None	None	
2CH PWM CCT	None	3	None	CCT	None	1	None	None	
3CH PWM RGB	12	None	HUE	None	3	None	3	None	
4CH PWM RGBW	12	3	HUE	DIM	3	1	3	None	
5CH PWM RGBCCT	12	3	HUE	CCT	3	1	3	None	
SPI Single Color	None	10	None	DIM	None	5	None	None	
SPI CCT	None	10	None	CCT	无	5	None	None	
SPI RGB	146	None	HUE	None	18	None	18	None	
SPI RGBW	146	10	HUE	DIM	18	5	18	None	
SPI RGBCCT	146	10	HUE	CCT	18	5	18	None	
SPI RGB+1CH PWM Single Color	146	3	HUE	DIM	18	1	18	None	
SPI RGB+2CH PWM CCT	146	3	HUE	CCT	18	1	18	None	

3. APP:



- SP630E supports App control for iOS and Android devices.
- Apple devices require iOS 10.0 or higher, and Android devices require Android 4.4 or higher.
- You can search "BanlanX" in App Store or Google Play to find the APP, or scan the QR code to download and install.

Operations

- Open the App, click the icon in the top right corner of the home page to add device.
- Please set the LED type and calibrate the color order according to the page prompts, you can also change these settings on the settings page.

2.4G Remote/Panel

Working Voltage: 3V(CR2032)	Quiescent Current: 35uA
RF frequency: 2.4GHz	Remote Range: 30M
Remote Dimensions: 135mm*48mm*10mm	Panel Dimensions: 86mm*86mm*12mm

6. Wiring:

Different types of LED correspond to different output ports; The ports should match the selected LED type, and the specific port descriptions as follows:

LED Type	Output Port							
	VCC	R	G	B	CW	WW	DAT	GND
1 1CH PWM Single Color	✓				✓	✓		
2 2CH PWM CCT	✓				✓	✓		
3 3CH PWM RGB	✓	✓	✓	✓				
4 4CH PWM RGBW	✓	✓	✓	✓	✓			
5 5CH PWM RGBCCT	✓	✓	✓	✓	✓	✓		
6 SPI Single Color	✓						✓	✓
7 SPI CCT	✓						✓	✓
8 SPI RGB	✓						✓	✓
9 SPI RGBW	✓						✓	✓
10 SPI RGBCCT	✓						✓	✓
11 SPI RGB+1CH PWM Single Color	✓				✓	✓	✓	✓
12 SPI RGB+2CH PWM CCT	✓				✓	✓	✓	✓