

SP530E WIFI BLUETOOTH RF MUSIC LED STRIP LIGHT CONTROLLER

The newest mini LED strip light controller of BanlanX SP series, SP530E, is the upgraded version of SP630E, which can output PWM signal and SPI (TTL) signal to control almost all types of LED light strips. SP530E is an SPI+5CH PWM All In One IoT LED Controller, a versatile IoT light controller designed for controlling multiple types of LED strips. New SP530E utilizes a dual-mode module (2.4G WiFi and Bluetooth LE5.0), enabling Bluetooth, WiFi, local network, and cloud connection via BanlanX App, it also supports RF remote control (RB and RC series remotes).

PRODUCT PARAMETERS

PRODUCT NAME	SP530E SPI+5CH PWM All-In-One LED Controller
INPUT VOLTAGE	DC5-24V
OUTPUT CHANNEL	6A/CH, Max 12A total
WIRELESS PROTOCOL	WiFi, Bluetooth, RF 2.4G
MOBILE SYSTEM	Android 4.4/ IOS 10.0 or higher
DIMENSIONS	78mm*56mm*20mm
WORKING TEMPERATURE	-10°C ~ 60°C
IP RATING	IP20
WIRELESS PROTOCOL	WiFi, Bluetooth, Cloud
CONTROL IC PIXELS	W - 1200 CCT - 1200 RGB - 1200 RGBW - 900 RGB CCT - 600
COMPATIBLE REMOTE CONTROL	RB1, RB2, RB3, RB4, RC1, RC2, RC3, RC4
FIRMWARE UPGRADE	Yes
ON/OFF EFFECT	Yes
MUSIC MODE	LED strip light music and led screen music effects (for addressable led strips)
DIY MODE	Gradient color selection (for addressable led strips)
VOICE CONTROL	Yes (Google Home, Alexa)
SUPPORT LED TYPES	12



Compatible RF Remote Controllers:

RB1	RB2	RB3	RB4
RC1	RC2	RC3	RC4















For single color & addressable white led strip
For CCT & WWA led strip
For RGB & RGBIC led strip
For RGBW, RGRWIC & RGB CCT, RGB CCTIC & SPI RGB+PWM white led strip

LED Strip 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	✓				✓	✓	✓	✓

LED Strip Lights Setting

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