5 in 1 SPI+DMX LED Controller (BLE+2.4G)

Model No.: SPIB5

Product Feature

· Support BLE+2.4GHZ wireless transmitting technology

· 5 in 1 SPI controller, single color, cct, rgb, rgbw, rgb+cct output selection

· Speed, static mode, dynamic mode and music mode adjustable

· Dual SPI/DMX control protocol, compatible with DC5-24V input

· Dynamic mode : 28 kinds of white color and 80 kinds of RGB color for selection, it
  can change color, brightness, width and speed for those modes

· 8 kinds of music mode work with internal microphone and smart phone microphone

· Freely switching dynamic mode and music mode

· Setting up boot animation via TUYA APP

· Have DND mode, usually used in power failure area to save power

Product Parameter

Product Name:	5 in 1 SPI+DMX LED Controller (BLE+2.4G)	Control Distance:	30m
Model No.:	SPIB5	IP Rate:	IP20
Input Voltage:	DC 5V-24V	Working Temp.:	-10~40℃
Output Current:	Max 10A	Dimension:	74.5*36*17mm
Output signal:	SPI(TTL) 800Kbps (Max 1024 Pixel)	EMC Standard (EMC) :	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
	DMX: 250Kbps(Max 256 Pixel)		
	DMX: 500Kbps(Max 512 Pixel)	Safety Standard (LVD):	EN 62368-1; 2020+A11;2020
	DMX: 750Kbps(Max 768 Pixel)		
Standby current:	20mA	Radio Equipment (RED):	ETSI EN 300 440 V2.2.1
Protocol:	BLE+RF 2.4GHz	Certification:	CE, EMC, LVD, RED

74.5mm

36mm

17mm

Connection Diagram

SPI Mode
Pixel: Max 1024

+
INPUT: DC5V-24V
-

SPI Installation Diagram

SPI LED Strip (Single Color, CCT, RGB, RGBW, RGBCCT)

C9 Remote
(Purchased separately)

DMX Mode
Pixel: DMX 750Kbps Max 768, DMX 500Kbps Max 512,
DMX 250Kbps Max 256

+
INPUT: DC5V-24V
-

DMX Installation Diagram

DMX LED Strip (Single Color, CCT, RGB, RGBW, RGBCCT)

⚠ Note: Switching output mode requires switching via APP

Application Diagram

APP

BLE

Alexa / Google

Router

Gateway

Input: DC5V~24V

遥控器

Compatible remote (purchase separately)

C9 SPI Remote
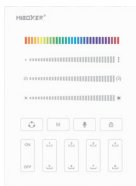
B9 SPI Panel Remote

Link/Unlink

1). Link
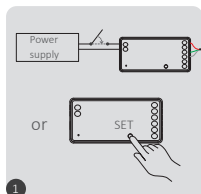
1 Power off 10 seconds and power on again or short press"SET"

2 Short press " ON" button 3 times within 3 seconds.
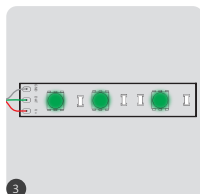
3 Green flashing state, then the code is successful.

⚠ Link is failed if light doesn't flash, please repeat above steps
（Attention: can not link again if remote already finished linking）

Unlink:
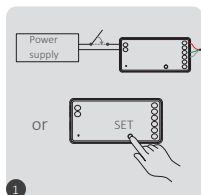
1 Power off 10 seconds and power on again or short press"SET"

2 Short press "ON" button 5 times within 3 seconds.
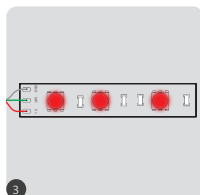
3 Red flashing state, Then clear the code successfully.

⚠ Unlink is faild if light doesn't flash, please repeat above steps
（Attention: no need to unlink if the light never be linked）

Smart Phone APP Control

Pairing Network (don't support 5G router)

1).Download and install "TUYA SMART" APP

search "TUYA SMART" in application store or scan QR
code, please register account if using it in the first
time, login into account if already have account

2).Pairing Network

Connect controller with mains
Ensure indicator flashes quickly(2 times per seconds)
You have 2 ways to correct indicator status
-Long press" SET" button
-Power off and power on controller 6 times
Connect phone with home wifi 2.4GHZ network
Open the APP interface, click "+"
Click "Lighting" and "Light source (BLE+Wifi)
Complete the rest steps
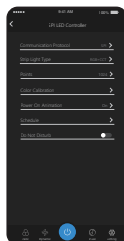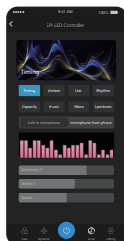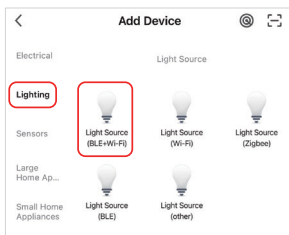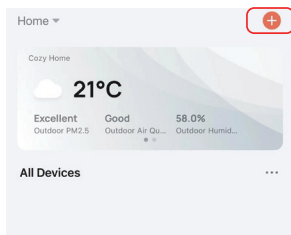
Function Instruction

APP

Static Mode

Adjust or save pure static illumination
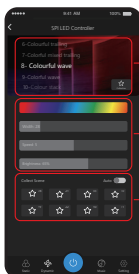
28 kinds of white color 80 kinds of rgb color

Change color, width, speed and brightness for all those modes

Save 8 scenes

For example, regarding as App

Dynamic Mode (select it via remote)

28 kinds of white color, 80 kinds of rgb color, save favorite modes and 8 scenes mode, all modes can change color ,brightness, width and speed

Music Mode

8 kinds of music mode work with internal microphone and smart phone microphone

Setting Communication Protocol

Setting it via APP
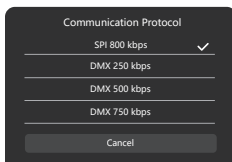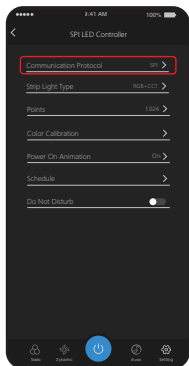
Select SPI or DMX protocol

Setting LED strip light

Change output based on different LED strip lights
like single color, cct, rgb, rgbw, rgb+cct
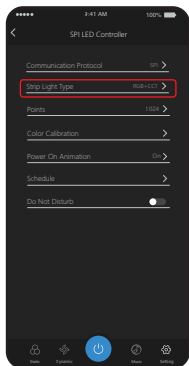
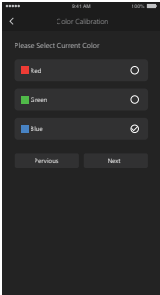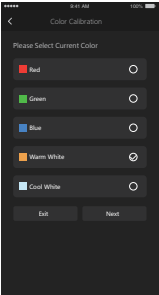LED strip light types

Setting Pixel points

Setting it via program
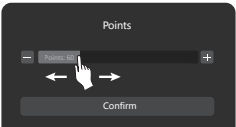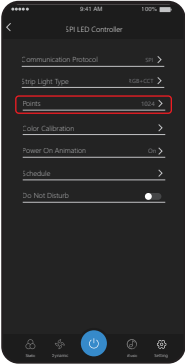
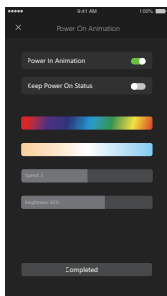
Slip the slider to change numbers

Color Calibration

Correct the color of led strip light via APP
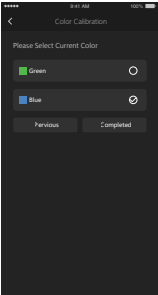
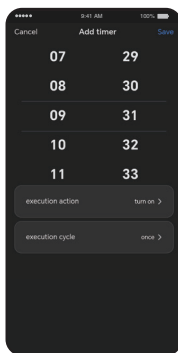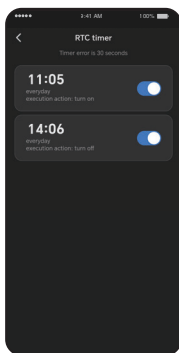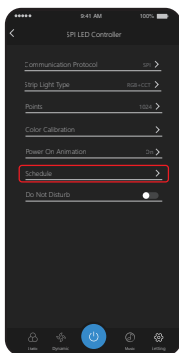**Following the tip to complete color calibration**

Boot Animation

Setting color or color temperature, speed and brightness

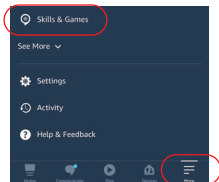# Timer Function

Setting it via APP

DND Mode ON/OFF

Turn on DND mode (usually using in power failure area to save power)

Alexa voice control instruction

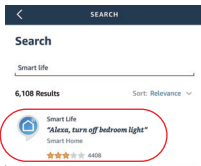Please add device into **[Tuya Smart]** app, then start following steps

1). Open Alexa App
2). Click "More" on the bottom of right corner
3). Click "Skills & Games"

4). Click " 🔍 " on the top of right corner
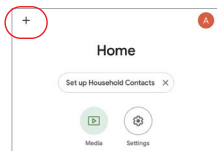5). Type into "Smart life" and search

6). Click "Smart Life" skill, follow instruction
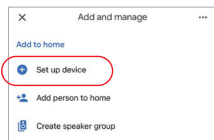to finish configuration and start voice
control

Google Home voice control instruction

Please add device into **[Tuya Smart]** app , then start following steps
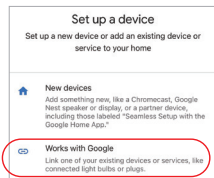
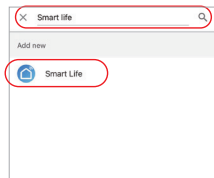1). Open Google Home App
2). Click "+" on the top of left corner

3). Click "Set up device"

4). Click "Works with Google"

5). Click " 🔍 " on the top of right corner
6). Type into "Smart life" and search
7). Click "Smart Life" skill, follow
    instruction to finish configuration
    and start voice control

Attention

1. Please turn off power supply before installation.
2. Please ensure input voltage to be same as requirements from device.
3. Don't disassemble device if you are not expert, otherwise it will damage it.
4. Please do not use the light in the place with widely range metal area or strong electromagnetic wave nearby, otherwise, the remote distance will be seriously affected.

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