

WiFi-SPI RGB SPI LED Controller

Model No.: WiFi-SPI

APP control/Compatible with 28 kinds IC/Editable dynamic mode/Timing run/Wireless remote control

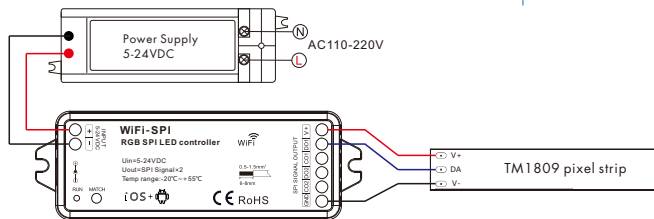
Features

- WiFi-SPI is RGB LED digital strip controller, can control all kinds of LED strip with different chip type.
- Compatible with 28 kinds digital IC LED strip, IC type and R/G/B order can be set.
- Compatible ICs: TM1803, TM1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811, WS2812, SK6812, TM1829, TLS3001, TLS3002, GW6205, MB16120, LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, WS2801, WS2803, P9813.
- Edit running effect through horse-race, chase, flow, trail, gradual change style, cooperate with running distance and direction, fine adjust run color and background color, realize thousands of powerful editing effect.
- Can store up to 32 changing mode,
- Can run large cycle mode, or run small loop mode,
- Changing mode or loop mode can be stored to 8 scenes, or timing run.
- Match with Skydance's 2.4G RGB remote control.

Technical Parameters

- Input voltage: DC5-24V
- Output signal: SPI(TTL) x 2, Max 1024 pixels
- Grey level: 256
- Remote distance: 30m
- Working temperature: -30°C~55°C
- Product size: 114x38x20mm

Wiring Diagram



Software installation

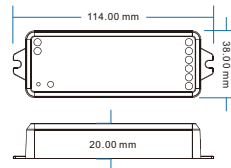
- Enter android market / App Store, Search Skydance application software, download and install.
- Scan the qr code below, download and install.



Android scan for download

iOS scan for download

Dimension

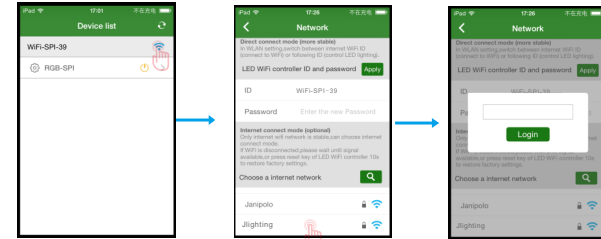


WiFi controller connection

1. Direct connect WiFi controller
 - 1) Enter mobile device's WiFi setting, search and connect WiFicontroller, such as WiFi-SPI-39.
 - 2) Start Skydance application, enter device list interface, start control light.
 - 3) If you need change WiFi ID or password (password must be 8-20 characters). Click to enter network interface for setting. If you forget password, long press match key for 10 seconds, restore factory settings.

2. Connect WiFi controller to your home network

- 1) Repeat above 1,2 step,click to enter network interface, Click search key to search the workable WiFi ID list, such as Jlighting, enter its password, add the WiFi controller to the home network.
- 2) Exit application,enter mobile device's WiFi setting,connect home network, such as Jlighting. When the connection is successful, that mobile device in the normal Internet can control the lights at the same time.



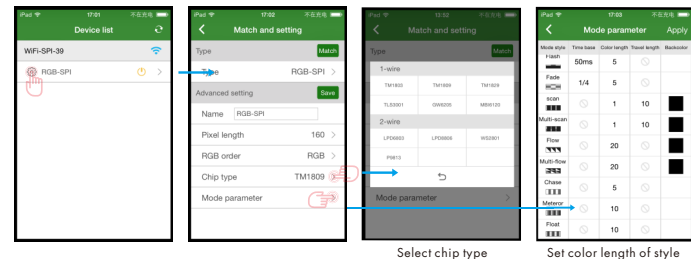
Chip type setting

In Device list interface, click enter Match and setting interface, Click > key of Chip type line, select chip type(TM1809 compatible chips: TM1804, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811, WS2812).

Click > key of RGB order line, select RGB order.

Click > key of Pixel length line, set control pixel length.


Only when Chip type and RGB order is set OK, you can change running effect of LED strip.



Select chip type

Set color length of style

Enter light interface

In Device list interface, Click the middle of lamp name line or > key, enter corresponding Static color or Mode interface, change color, mode or scene.
Click , turn on/off light.




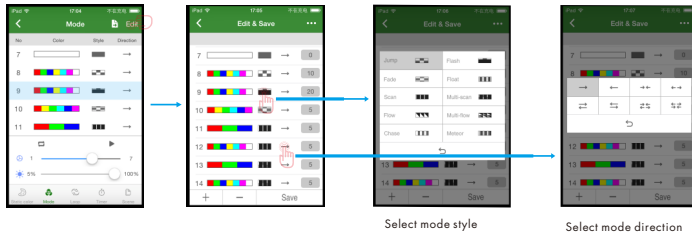
Static color interface

Touch color plane or direct input brightness value to change light color or brightness.



Mode interface

Click Edit key to edit changing mode list.
Click + or - key to increase or decrease mode number(1-32),
Click Color column to alter color selection,
Click Style column to alter style selection,
Click Direction column to alter run direction selection,
Click Runtimes column to edit runtimes (0-200) of each mode.
After modification, click Save key to load new changing mode list to the controller.
Click top-right  key, you can export changing mode list as backup files, automatically deposited in the mobile device, or import backup files to changing mode list. When the mobile device connect other WiFi-SPI controller, you can use the backup file to synchronous modify changing mode rapidly.



Select mode style


Select mode direction

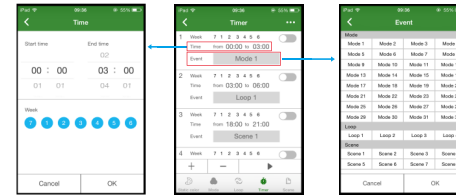
Loop interface

There are four loop mode, each loop mode can edit 2-8 changing mode, such as modify color or style, speed and runtimes.
Click  key start loop mode.
Loop mode can be stored as scene or timing run.



Timer interface


According to the time of the mobile device regularly play function, run different effects in different time period.
Up to 10 time period, each time period set start time and end time, run changing mode, loop mode or scene.
Click  key start timing run, the indicator turn green.

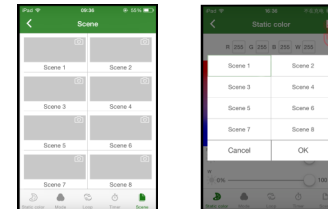


Set start time and end time

Select changing mode, loop mode or scene

Scene interface

There are 8 stored scene, each scene can edit name or replace picture.
Save the scene, or change the existing scene, you need enter Static color or Mode interface firstly, select color or changing mode,
click top-right  key, save to any one scene number.



Select scene number for save

WiFi Controller Match RF remote

WiFi controller also can match RGB RF remote.
Such as R9.
Short press Match key, then press on/off key of the remote(multi-zone remote use zone key) immediately, indicator flash blue rapidly, match is successful.
Long press Match key for 5s will delete all match.