



# Shenzhen Sperll Optoelectronic Technology SP108E WiFli LED Controller Instruction Manual

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# Shenzhen

Shenzhen Sperll Optoelectronic Technology SP108E WiFli LED Controller



## Features

1. Long distance APP remote control via WIFI;
2. Support routing mode(AP) and LAN connection mode(STA);
3. Support almost every kind of one-wire or two-wires LED driver IC ;
4. Brightness adjustable, With 180 kinds of patterns and 8 kinds of color adjustable patterns;
5. Creatively using from-image-to-effect method for user to DIY any effect;
6. Support setting pixel number and segments number, able to control up to 2048 pixels;
7. DC5V~24V wide range working voltage, reverse power supply input protection;
8. User setting saving;

## App control

Both IOS version and Android OS version are available. (hardware should support WIFI)

- Requires IOS version 10.0 or later;
- Requires Android OS version 4.4 or later;
- Search"LedShop" in App Store or Google play or scan this QR code to download and install the App:



## Specifications

- **Working temperature:** -20°C~60°C;
- **Working Voltage:** DC5V~24V;
- **Working Current:** 20mA~130mA;
- **Remote distance:** 30 Meters;
- **Product size:** 85mm\*45mm\*22mm;
- **Product weight:** 40g ;
- **Certificates:** CE, RoHS;

## Working Mode and Connecting

- **AP(Access Point) mode:** Controller and Phone connect directly, controller works as an access point.

### Connect steps:

1. When the device is not connected to any WIFI network, power on the controller and wait for 20s and then controller will switch into AP mode ;
2. In the WIFI setting page, find and connect the controller(named like SP108E\_xxx, the default pin code is

12345678),

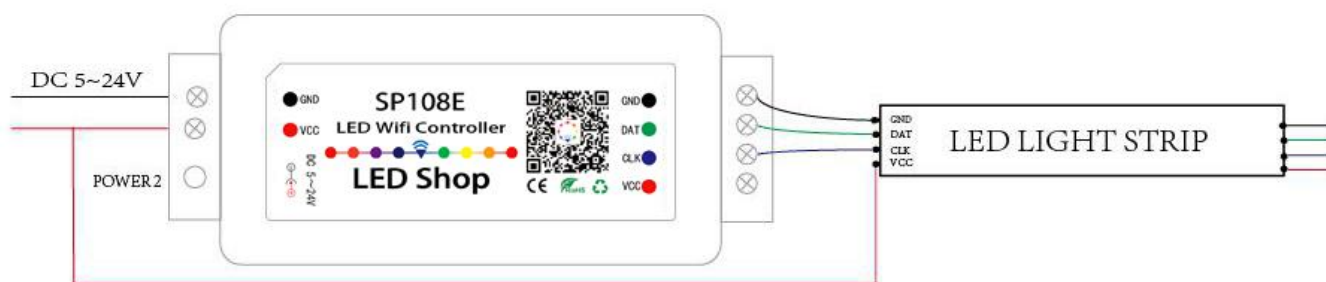
3. Open the LED Shop App ,then the controller will be showed on the device list;

- **STA(Station) mode:** Controller and phone are in one same WIFI network, in this network, users can operate the controller smoothly.


### Connect steps:

1. When the device is not connected to any WIFI network,power on the controller, controller will be remain in Wait-For-Connet mode for 20 seconds;
2. Make sure that your phone is connected to a WIFI network, Open LED Shop APP, pressing the Add Device button, input the WIFI pin code, then press the OK to confirm and wait for the configure processing finish;
3. When controller successfully enter the WIFI network, it will be showed on the device list;
4. User can select the controller and remove it out of the network by pressing the Remove Device button, then the controller will switch into AP mode.

### Wire Connection



### Documents / Resources

	<a href="#">Shenzhen Sperll Optoelectronic Technology SP108E WiFli LED Controller</a> [pdf] Instruction Manual SP108E, 2ATV8SP108E, SP108E WiFli LED Controller, WiFli LED Controller
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