

SP110E Bluetooth LED controller operating instructions

1. Features:

1. App Control via Bluetooth 4.0, long Control distance, convenient to use;
2. Support almost every kind of one-wire or two-wire LED driver IC ;
3. Brightness adjustable, With 120 kinds of patterns, which are vivid and beautiful;
4. Support setting total pixel number, able to control up to 1024 pixels;
5. DC5V~12V wide working voltage, preventing reverse connection of power supply;
6. User setting saving;

2. App control:

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



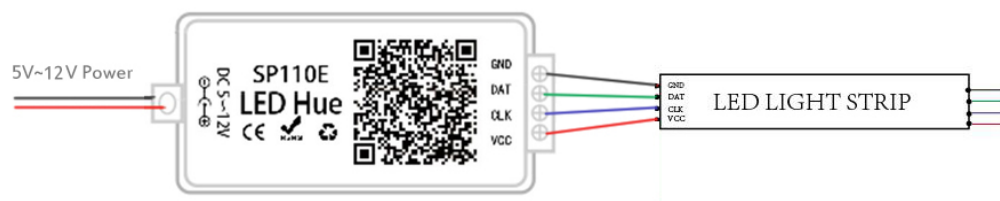
3. Specifications:

- Working temperature : -20°C~60°C;
- Working Voltage : DC5V~12V;
- Working Current : 20mA~40mA;
- Remote distance : 20 Meters;
- Product size : 50mm*20mm*10mm;
- Product weight : 20g ;
- Certificates : CE, RoHS;

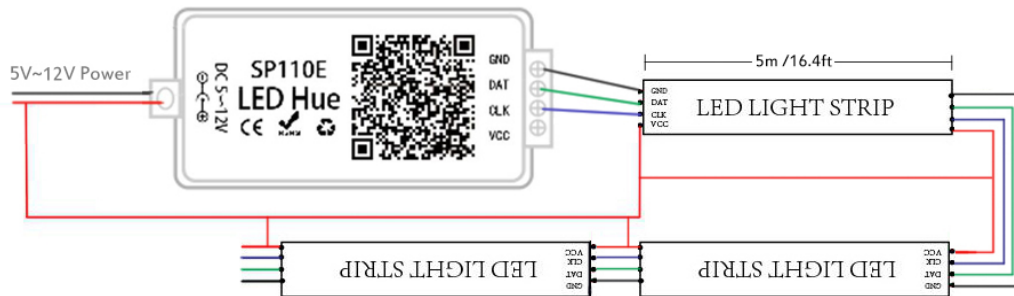
4. How to connect it:

- **Connect one LED strip less than 5m**

If the voltage drop much, please inject power on both ends of the LED strip.

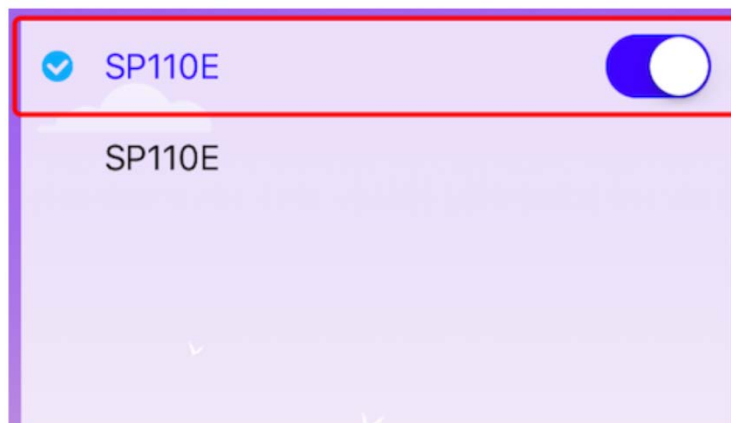


● **Connect multiple LED strip together**

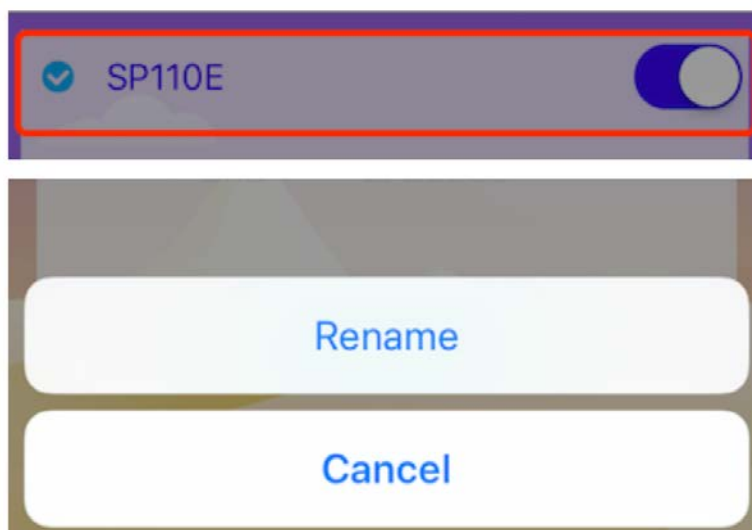


5. How to set up it:

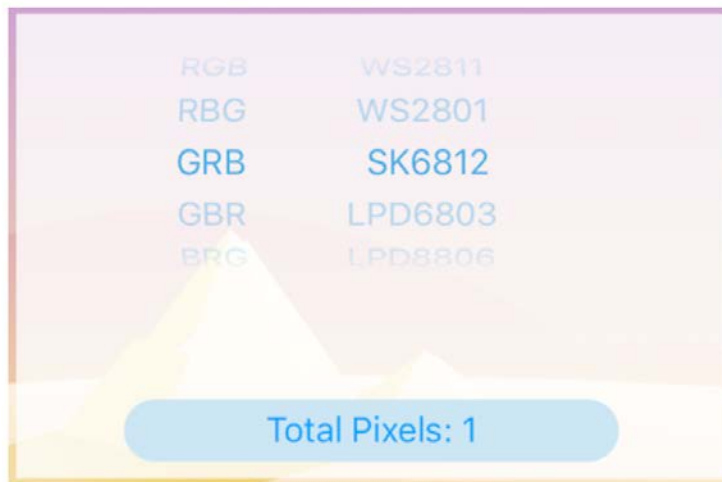
(1) Make sure the bluetooth feature is turned on->Pull-to-refresh device list-> Select user device



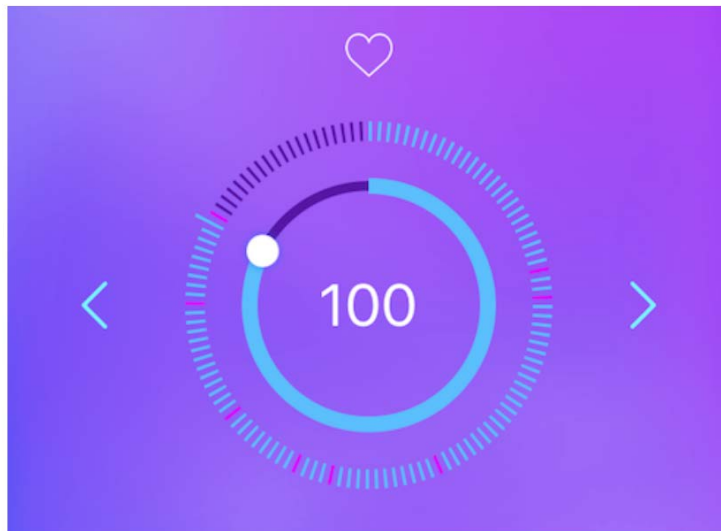
(2) Long press the connected device to change the devices name



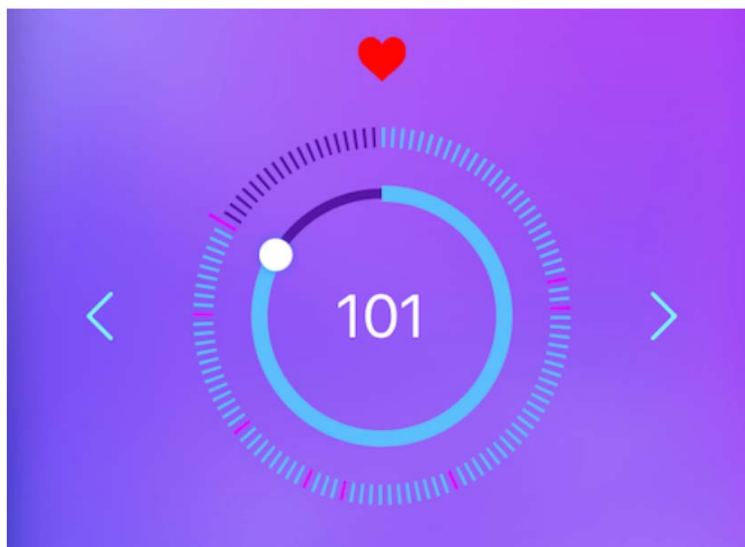
(3) Setting rgb order and LED driver IC type->Setting pixel number



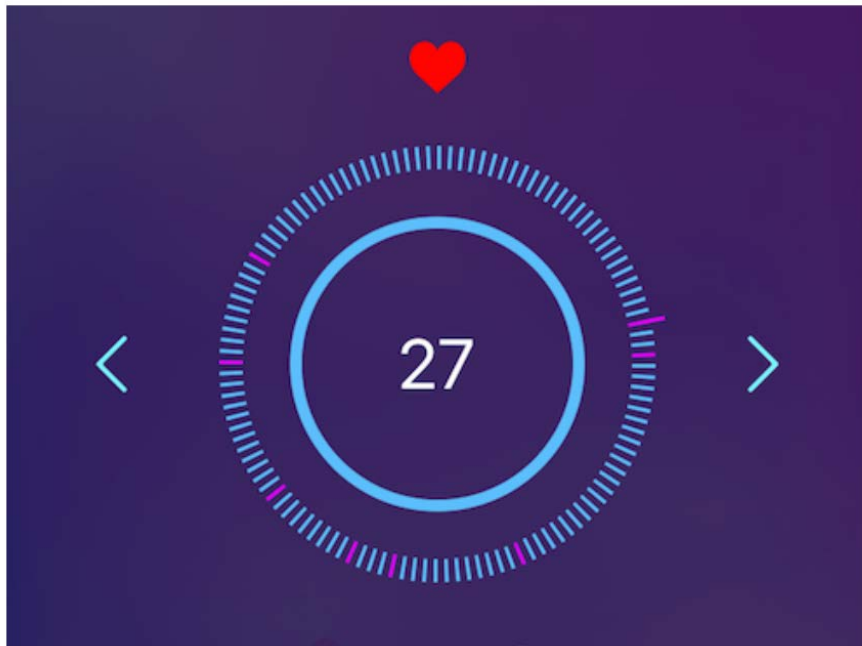
(4) Sliding selecting effect(120 in total)- Precise selecting effect by left right arrows



(5) Click the heart icon to mark your favorite effect



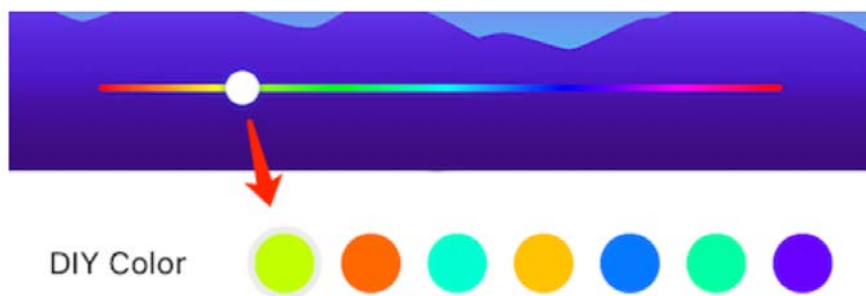
(6) Long press the heart icon to see all your favorite effect



(7) Tapping number area to enter auto mode



(8) 7 user setting solid colors, choosing and adjusting color by sliding the color bar



(9) 7 solid color



(10) Brightness adjustment



(11) Speed adjustment



(12) When IC type is set to be 4-channel driver IC like SK6812 or TM1814 etc, adjusting the 4th channel brightness



6. Precautions:

- (1). The controller cannot regulate the output voltage at the VCC. That means the output voltage of your power supply must be the same as the work voltage of your led lights. If the work voltage of your LED Light is 5V, please use a 5V power supply, NEVER use a 12V or 24V power supply. Otherwise, the entire LED light will be destroyed.
- (2). Please use a power supply not a battery to power the controller. The output power of power supply must be more than the max power of led light. For example, if the work voltage and max amp of your led light is 5V 10A 50W, power supply output must be 5V 10A 50W at least. Otherwise, it won't work smoothly.
- (3). The controller only supports LED lights with smart IC. It cannot support ordinary RGB/RGBW LED strip without IC.

7. What can you do if you can't make it work?

1. Please check your smart phone and led lights and confirm whether they can support the controller. Your smart Phone should be IOS 10.0 or Android 4.4 or later version.
2. Please check output voltage and amp of your power supply and confirm whether it matches controller and led lights. If your led light is 5V, please use 5V power supply. Never use 12V power. Otherwise, the led lights will be damaged.
3. If the power supply, controller and led lights can be compatible with each other well, please connect them and set up again following the connection and setting instructions above.
4. Please set enough total pixels number, correct RGB sequence and IC type. Otherwise they cannot work smoothly.
5. If you need more help, please contact ALITOVE directly. We will solve the issue in 12 hours.

8. How to contact us?

- **Customer Service Email:** alitove-lighting@hotmail.com info@alitove.net
- **ALITOVE shop on Amazon:** www.amazon.com/shops/alitove
- **ALITOVE official website:** www.alitove.net
- **Scan these QR codes, you can:**



Visit ALITOVE shop on amazon



Ask a question



Visit ALITOVE website