

SP107E Bluetooth LED Music Controller

1. Features:

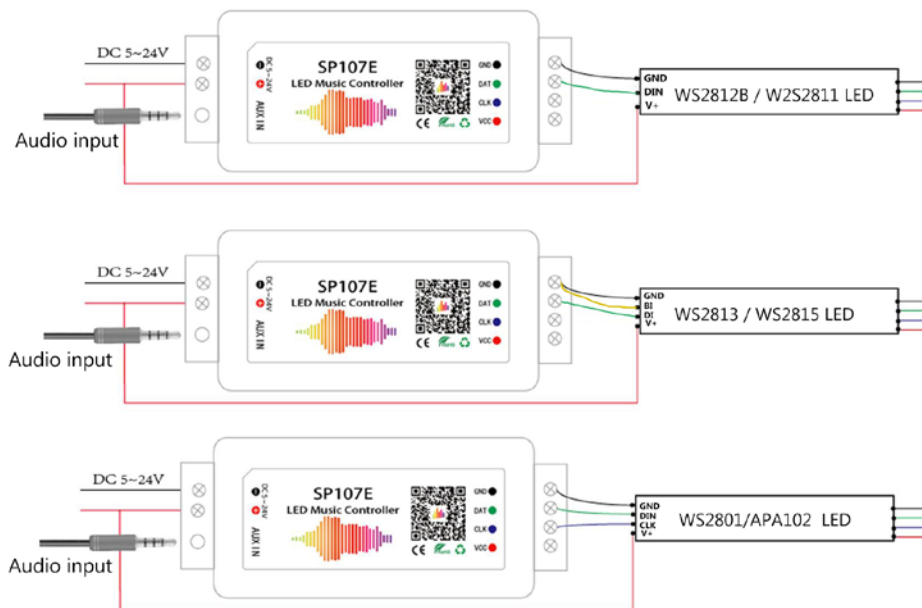
- (1) App Control via Bluetooth 4.0, long Control distance, convenient to use;
- (2) Support almost every kind of one-wire or two-wire LED driver IC ;
- (3) Support setting pixel number and segment number, control up to 960 pixels;
- (4) With 18 kinds of LED strip music effects, 30 kinds of LED matrix music effects and 180 kinds of non-music effects; Color hue, brightness and speed are adjustable;
- (5) There are two ways to input the audio signal on SP107E, AUX IN and Build-in microphone;
- (6) DC5V~24V wide range working voltage, reverse power supply input protection;
- (7) Save user setting when power off.

2. Specifications:

- Working temperature : -20°C~60°C;
- Working Voltage : DC5V~24V;
- Working Current : 18mA~45mA;
- Remote distance : 20 Meters;
- Product size : 85mm*45mm*22mm;
- Product weight : 40g ;
- Certificates : CE, RoHS;



3. Wire Connection



Audio Input:

There are two ways to input the audio signal on SP107E, AUX IN and Build-IN microphone;

- (1) AUX IN: Plug the audio splitter cable into the “AUX IN” jack, connect the audio output source(MP3,Phone or tablet...) and the speaker (or headset), controller will automatically switch into AUX input mode;
- (2) MIC: Disconnect the audio cable, controller will automatically switch into microphone input mode.

4. Precautions:

- (1). The controller can support DC5V~24V, but it 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.

5. App Download and Install:

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

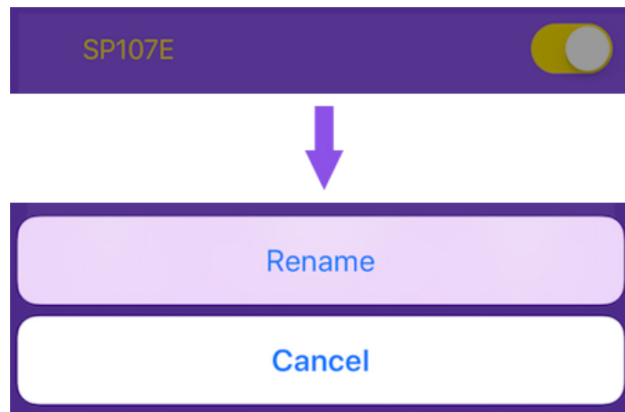


6. How to set up it:

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



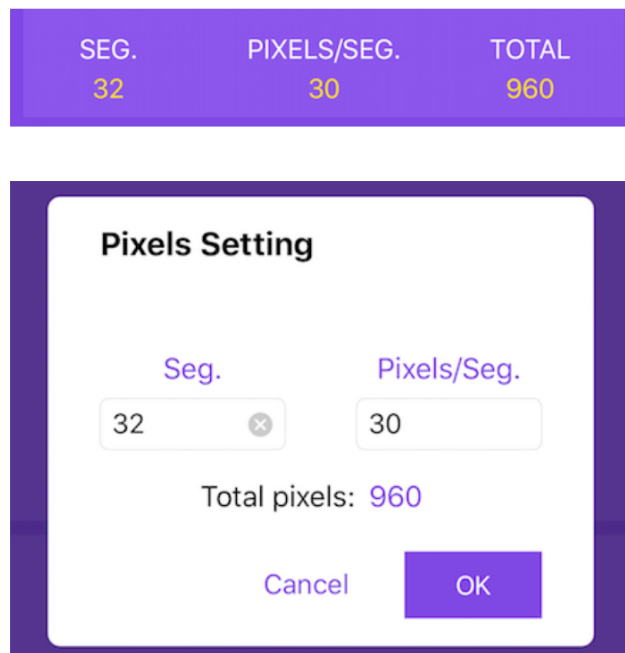
(2). Long press the connected device to change the device's name



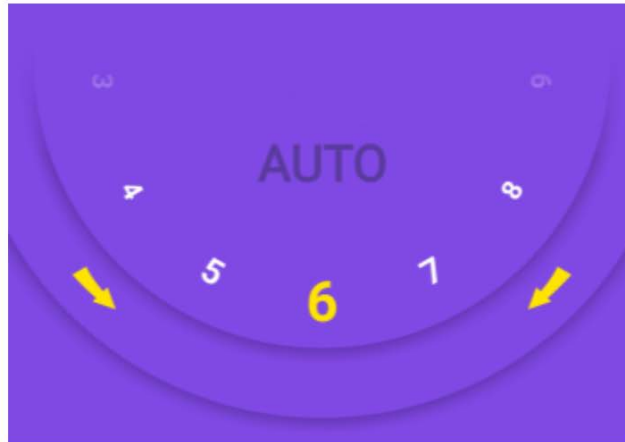
(3). Setting RGB order and led driver IC type



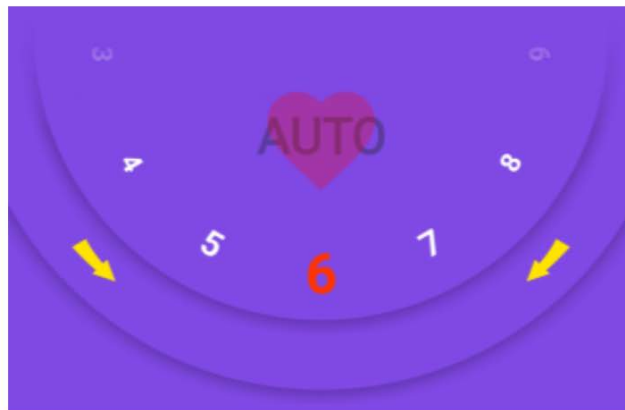
(4). Tapping the number to set pixels



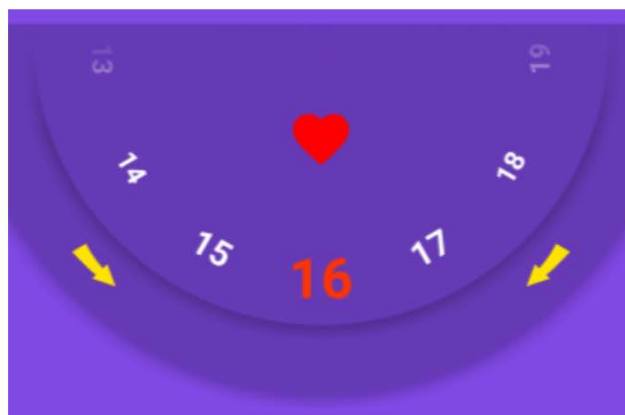
(5). Sliding selecting effect(180 in total)-> Precise selecting effect by left right arrows



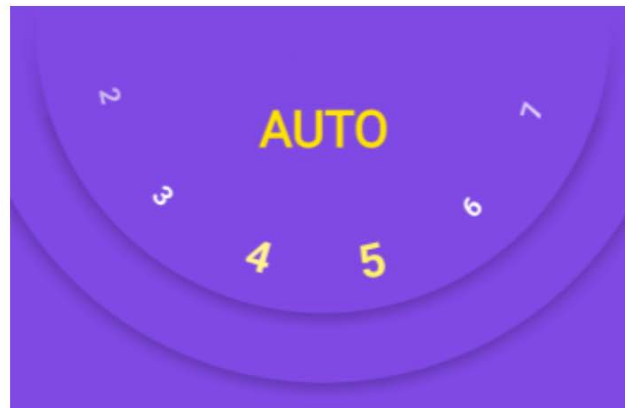
(6). Click the number to mark your favorite effect



(7). Long press number to see all your favorite effects by tapping the left or right arrow, and tap the heart icon to unmark current effect. Tapping the empty area to exit



(8). Tapping aUto" to enter AUTO mode, and tapping again to exit



(9). Slide the color bar or click on the color block to enter the solid color mode and click solid"to exit



(10). user setting solid colors, choosing and adjusting color by sliding the color bar



(11).7 solid color



(12). Brightness adjustment



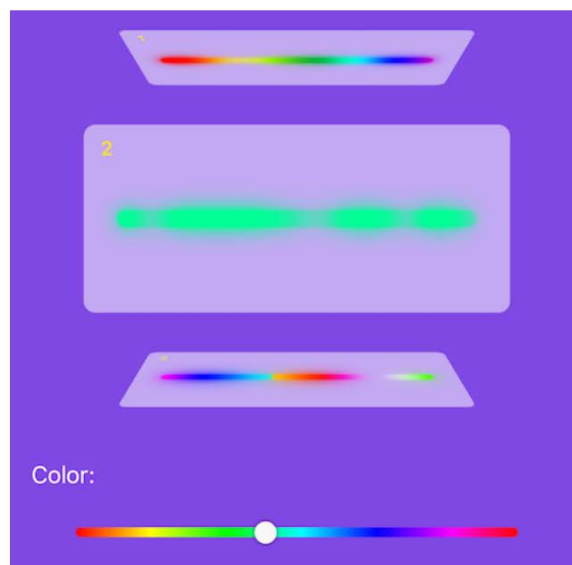
(13). Speed adjustment



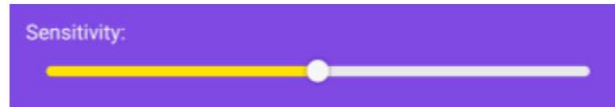
(14). When iC type is set to be 4-channel driver IC like sK6812 or TM1814 etc, adjusting the 4th.



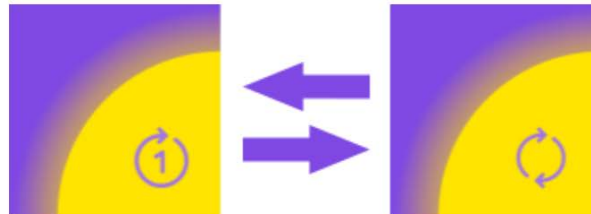
(15). LED strip music mode, some of which can adjust the color.



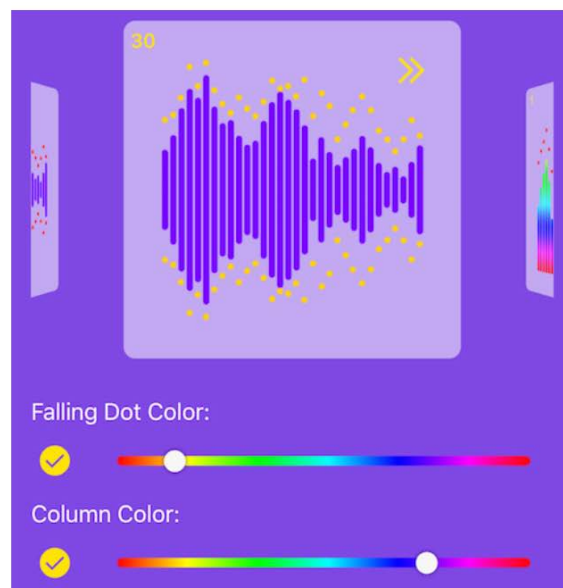
(16). Adjustable sensitivity.



(17). Clicking icons can enter or exit the automatic loop mode.



(18) LED matrix music mode, dropping dot's and pillar's colors are adjustable and can be removed by uncheck the color bar.



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:**



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Ask a question



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