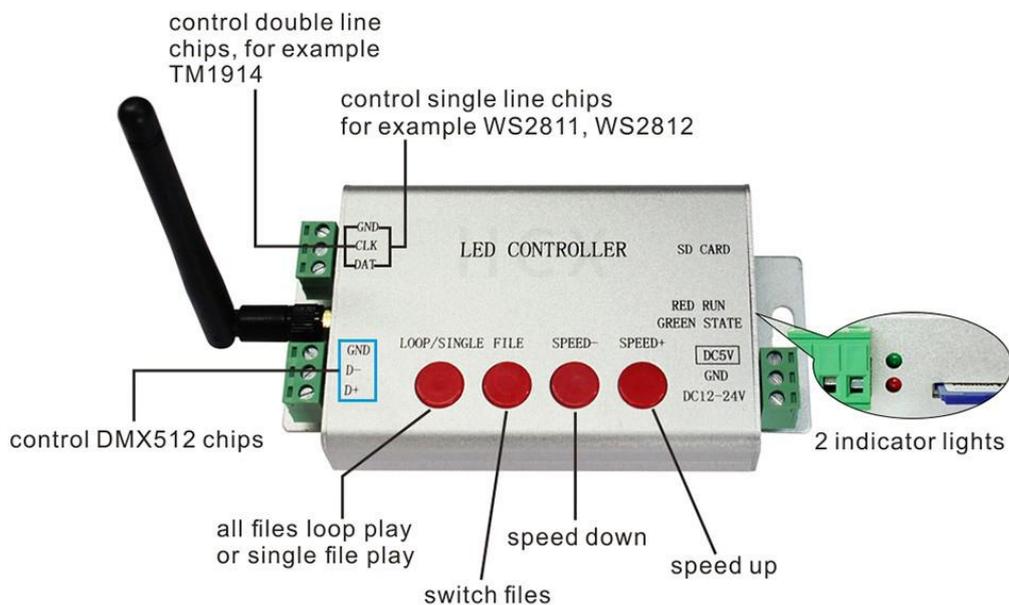


LED Digital WIFI DMX512 Controller Specifications

1. Features

- (1). One port controls maximum 2048 pixels.
- (2). You can connect your android phone to H806SB via WLAN to control leds.
- (3). H806SB supports dozens of single-line and double-line chips.
- (4). You can also use four buttons to set play mode, switch files, increase or decrease speed.
- (5). DC5V or DC12~24V input.
- (6). Maximum control radius: 25m

2. Product Display



3. Supported Chips

LPD6803, LPD8806, LPD1882, LPD1889, LPD6812, LPD1883, LPD1886, **DMX512**, HDMX, APA102, MY9221, UCS6909, UCS6912, UCS1903, UCS1909, UCS1912, UCS8904, WS2801, WS2803, **WS2811**, **WS2812**, TM1803, TM1804, TM1809, TM1812, TM1829, TA9912, TM1913,

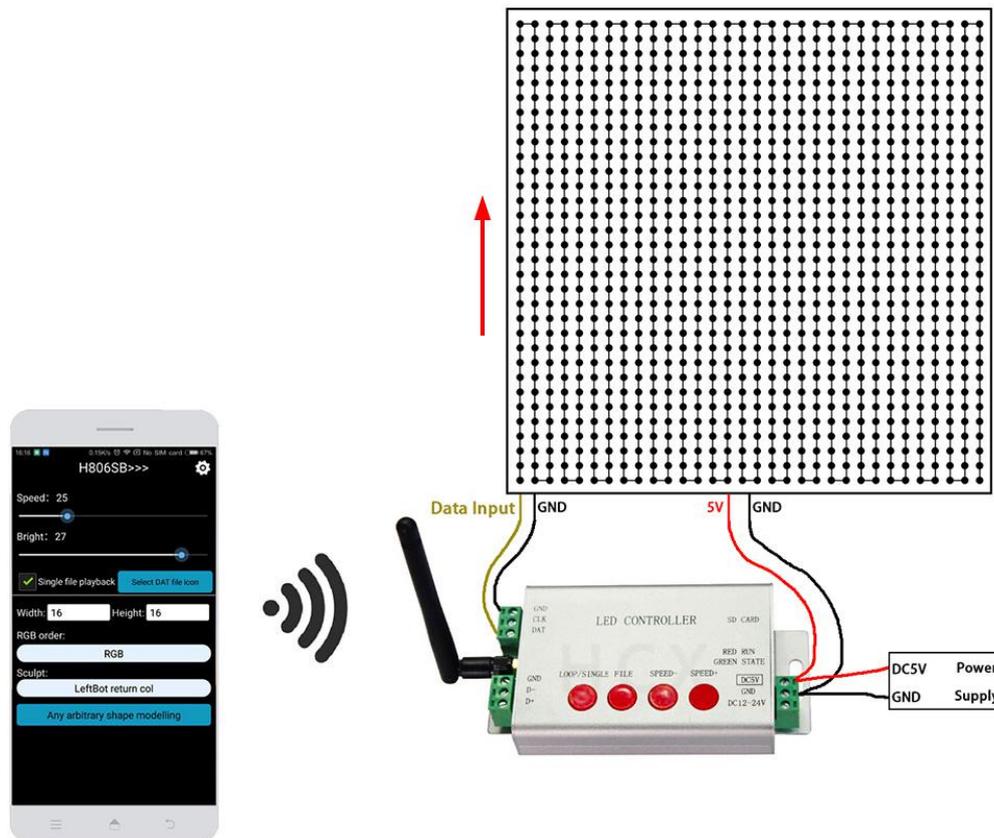
TM1914, TM1926, TM1814, INK1003, LX1003, LX2003, LX2006, TLS3001, P9813, P9816, SM16711, SM16716, LD151x, LD153x, MBI6021, MBI6023, MBI6024, etc.

Note: H806SB supports more than the chips listed above (some chips have the same sequence diagram, for example UCS2903 has the same sequence diagram with UCS1903, H806SB supports them all).

4. Workflow

Assume you have a 32*32 (pixels) WS2812 panel

Step1. Set them up



Step2. Program with LED Build Software

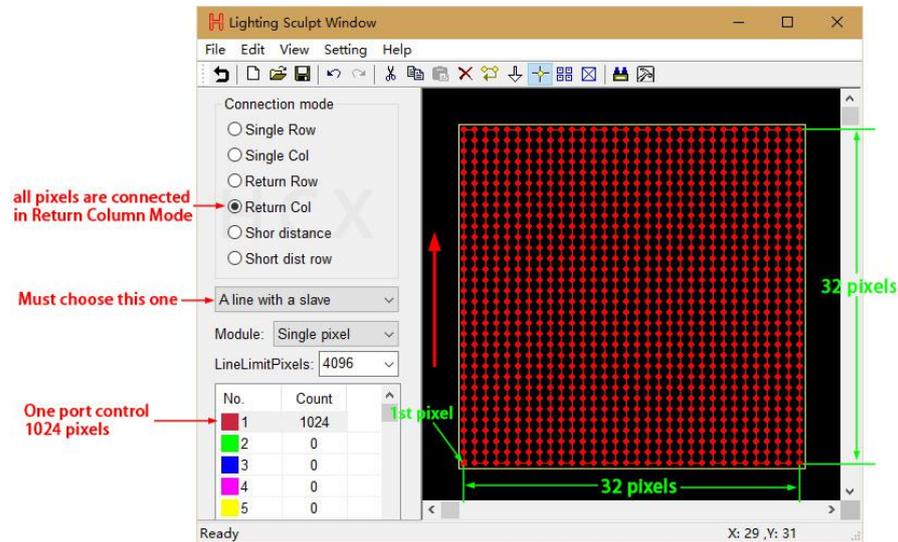
LED Build Download: <https://drive.google.com/open?id=0B1gzqyV6hfOgN2pkMV8yMFozYzQ>

LED Build Tutorial Video

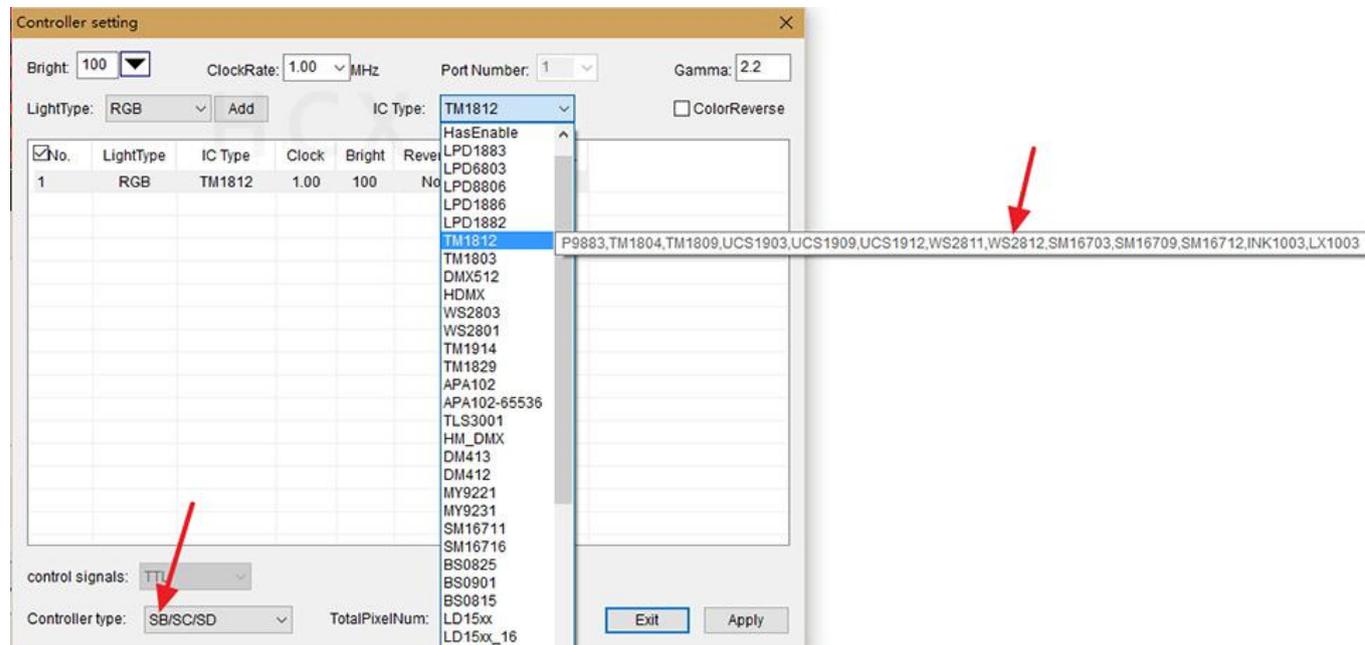
Download: <https://drive.google.com/open?id=0B1gzqyV6hfOgUnFjeG9EM3VRZjA>

Software Brief Introduction

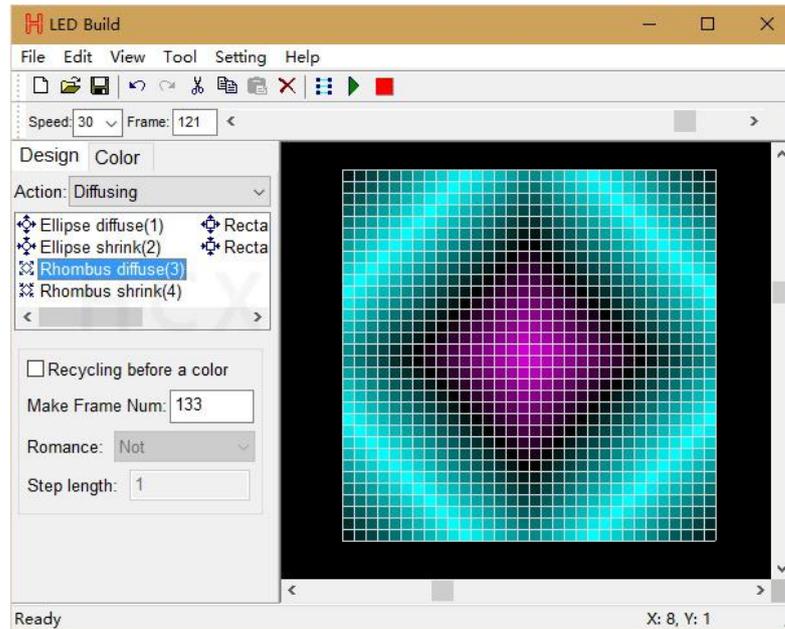
(1). Place Pixels



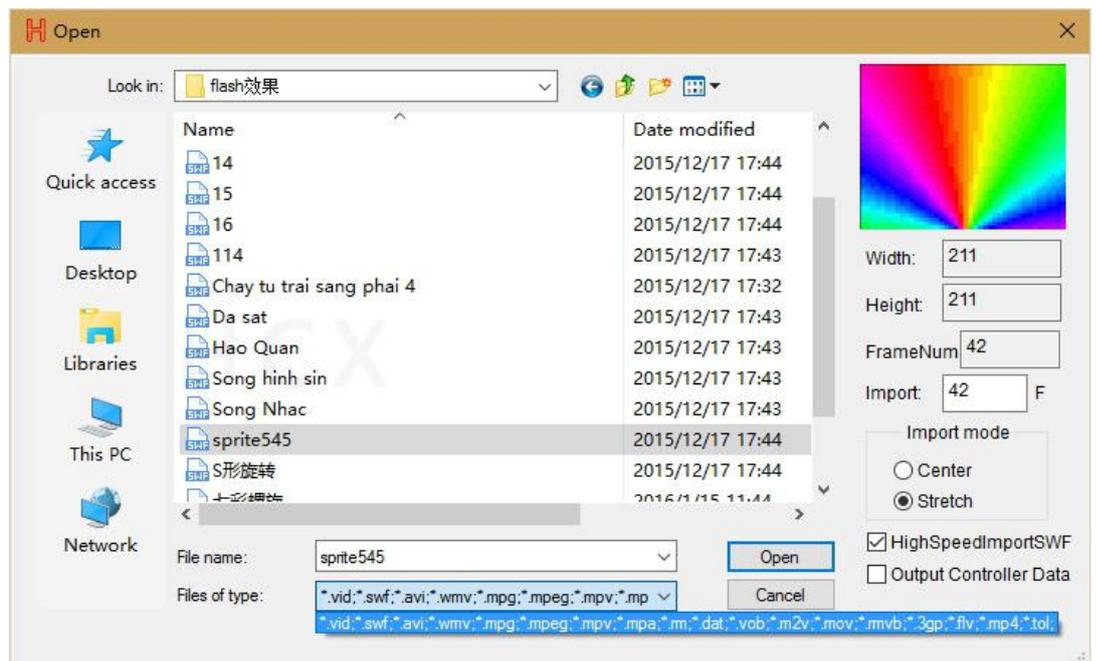
(2). Light Setting



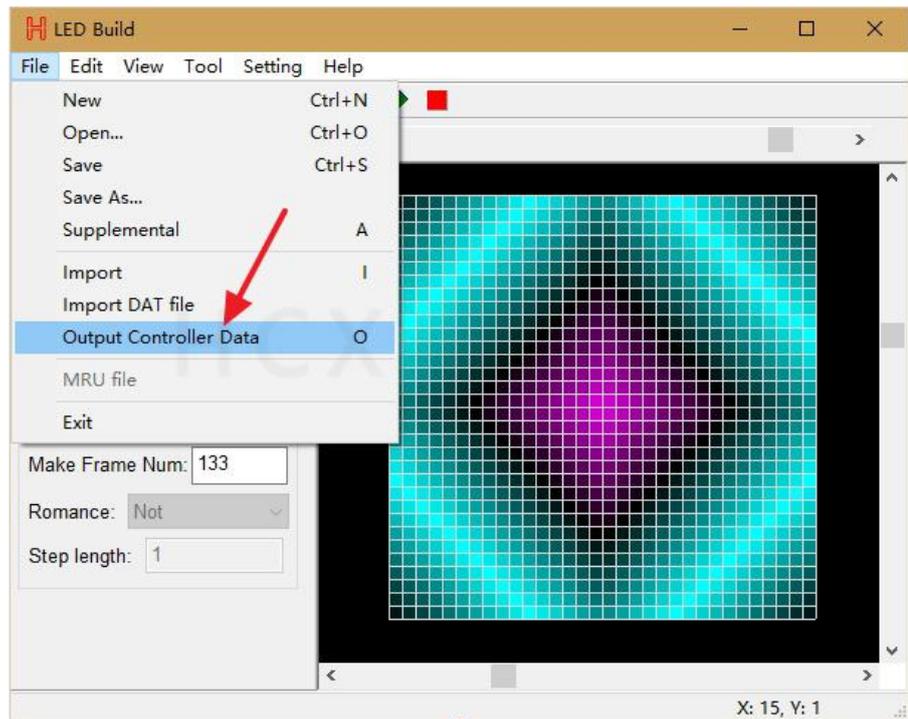
(3). Make Effects



you can import video as well



(4). Output controller data and put it into SD card



For more details, please refer to the tutorial video post above.

Test file download: <https://drive.google.com/open?id=0B1gzqyV6hfOgTkRHRTR2dGswT0U>
(one line 200 pixels, for WS2811, WS2812 strip, copy them to sd card)

Step3. Control panel with 4 buttons

Power controller and panel up, now you should be able to control panel with four buttons.

Step4. Control panel via phone

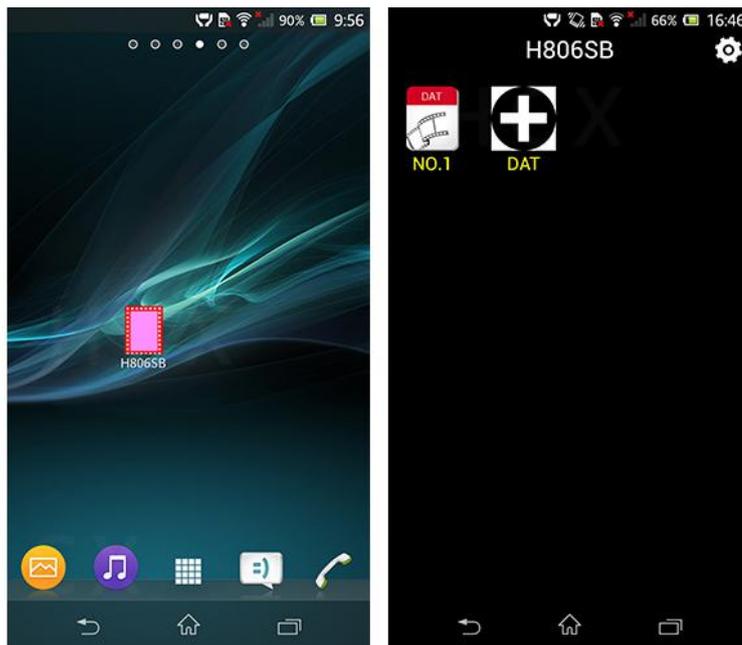
APP for android phone: LED DPF

LED DPF download: <https://drive.google.com/open?id=0B1gzqyV6hfOgSVNqTXFWWE5aR0E>

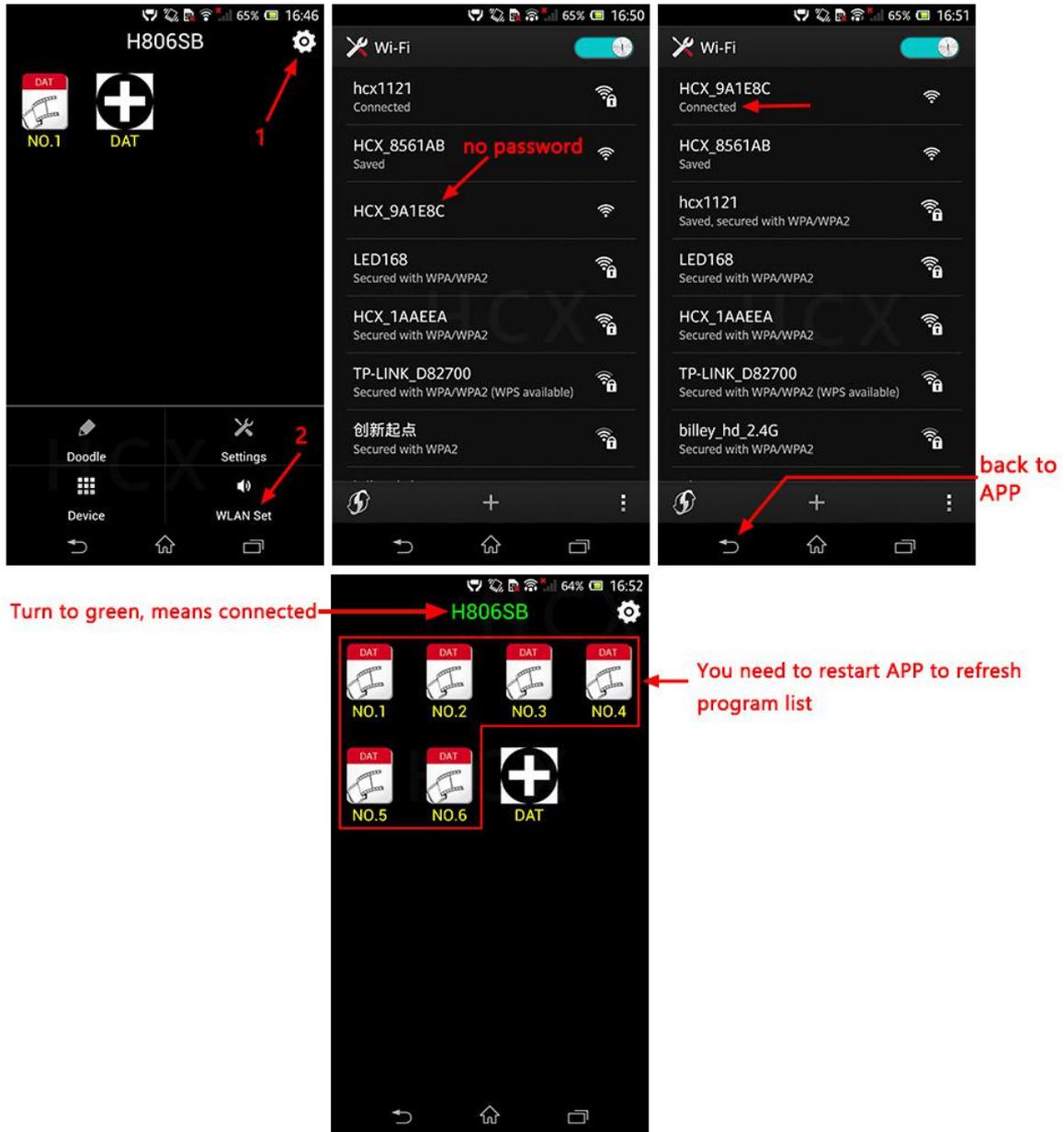
Assume we've had 6 files in SD card

		名称	修改日期	类型	大小
rive	片	gradual changing.dat	2016/10/14 10:02	DAT 文件	177 KB
		static blue.dat	2016/10/14 9:58	DAT 文件	51 KB
		static green.dat	2016/10/14 9:57	DAT 文件	51 KB
		static red.dat	2016/10/14 9:56	DAT 文件	51 KB
		static white.dat	2016/10/14 9:58	DAT 文件	51 KB
		water flow.dat	2016/10/14 10:03	DAT 文件	246 KB

Install LEDDPF. apk and open it



Click controller name in "WLAN Set", connect controller to phone.

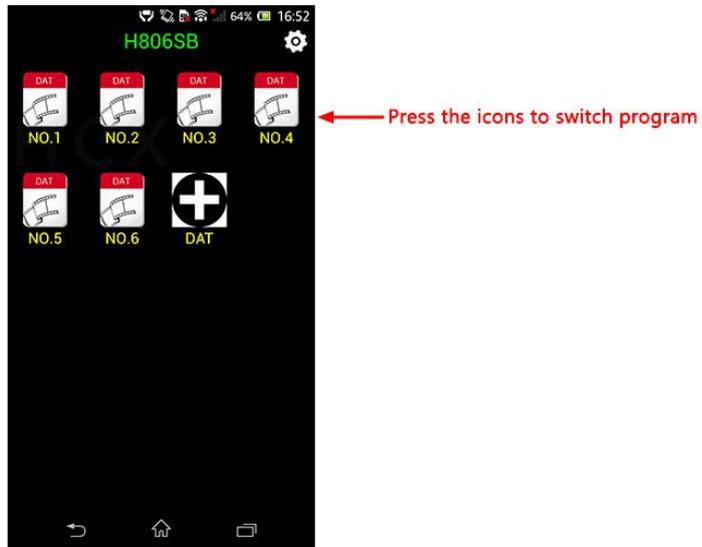


Note:

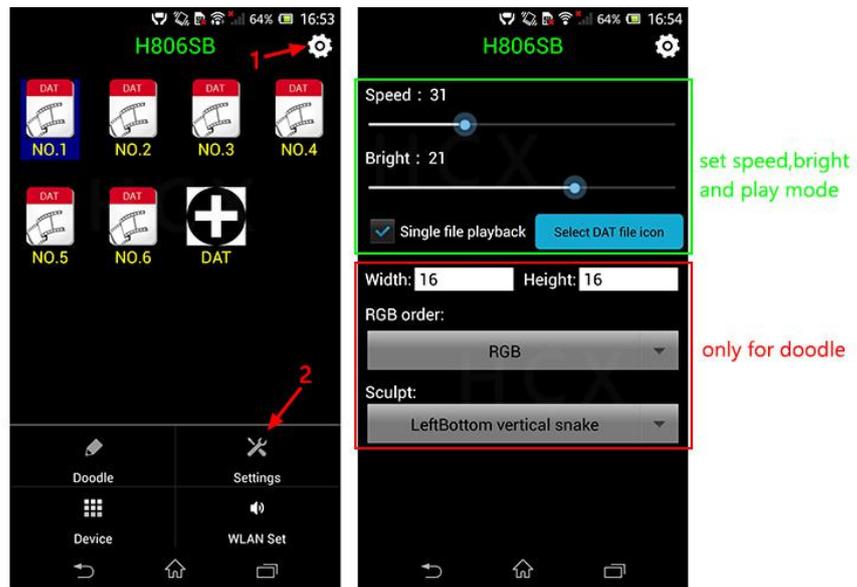
NO.	修改日期	类型	大小
1	2016/10/14 10:02	DAT 文件	177 KB
2	2016/10/14 9:58	DAT 文件	51 KB
3	2016/10/14 9:57	DAT 文件	51 KB
4	2016/10/14 9:56	DAT 文件	51 KB
5	2016/10/14 9:58	DAT 文件	51 KB
6	2016/10/14 10:03	DAT 文件	246 KB

these files are placed in alphabetic or numeral order

Now you can press these icons to switch program.



Press menu "settings" to adjust speed and brightness.



So far, you can switch programs, change speed and brightness with phone.

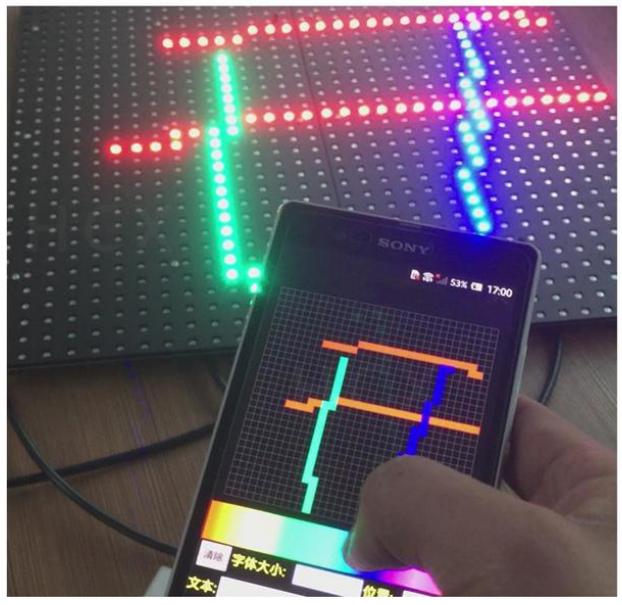
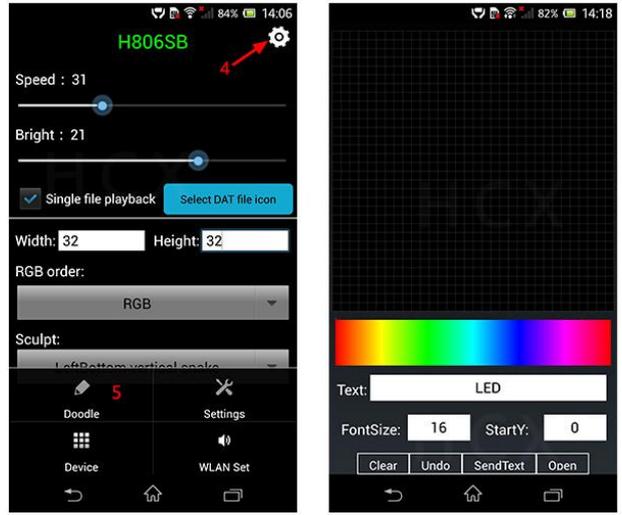
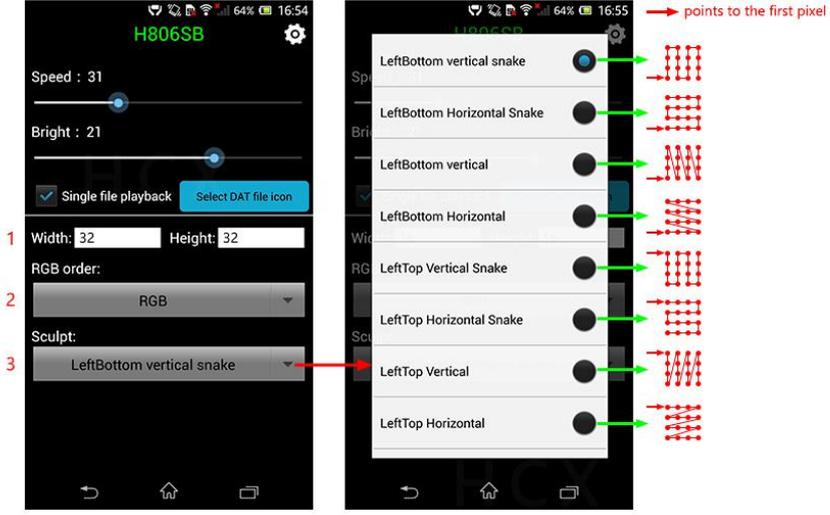
Step5. Doodle

In this example: 32 pixels by 32 pixels WS2812 panel

Width and Height: 32

RGB order: RGB(for instance)

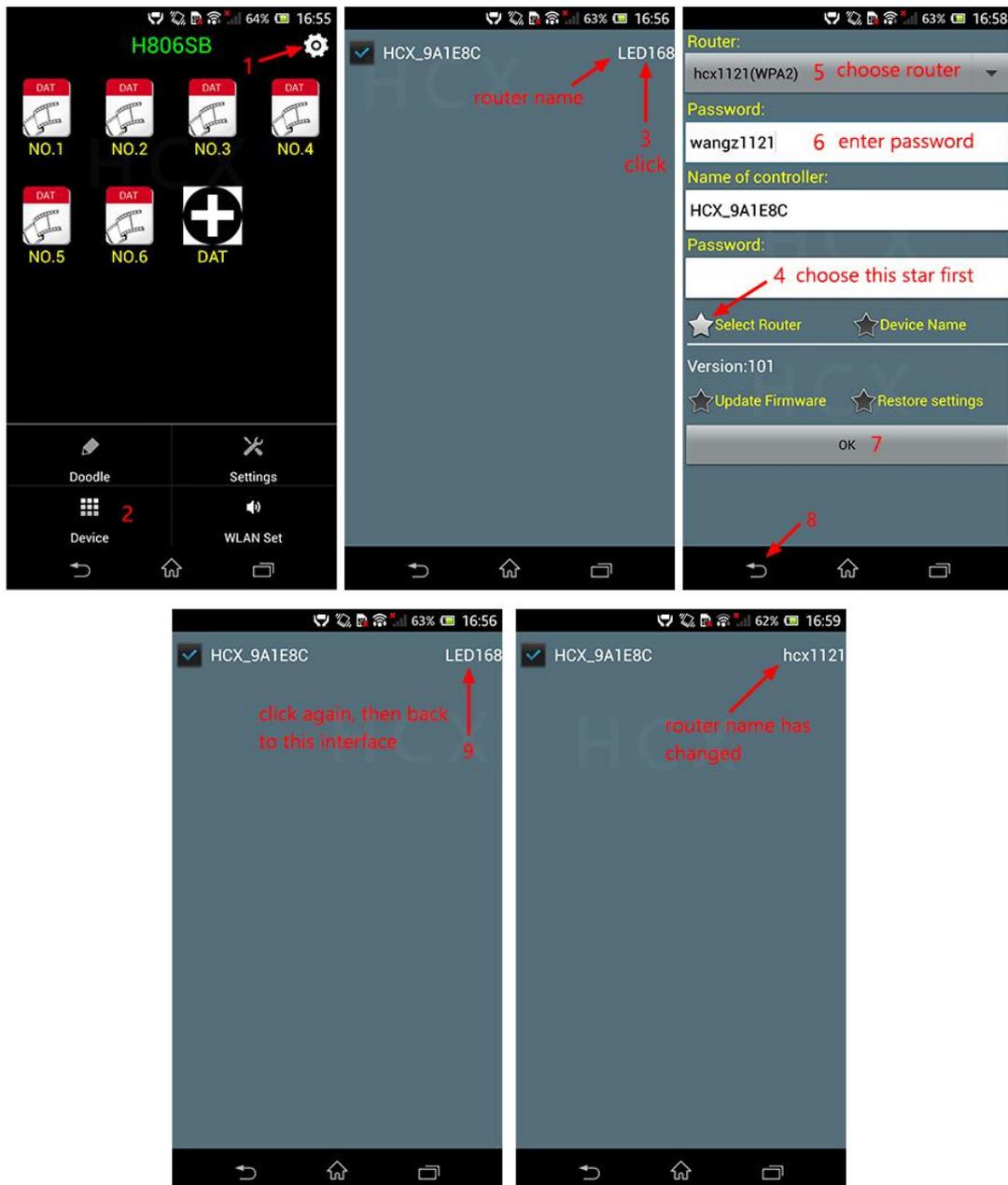
Sculpt: Left Bottom vertical snake(for instance)

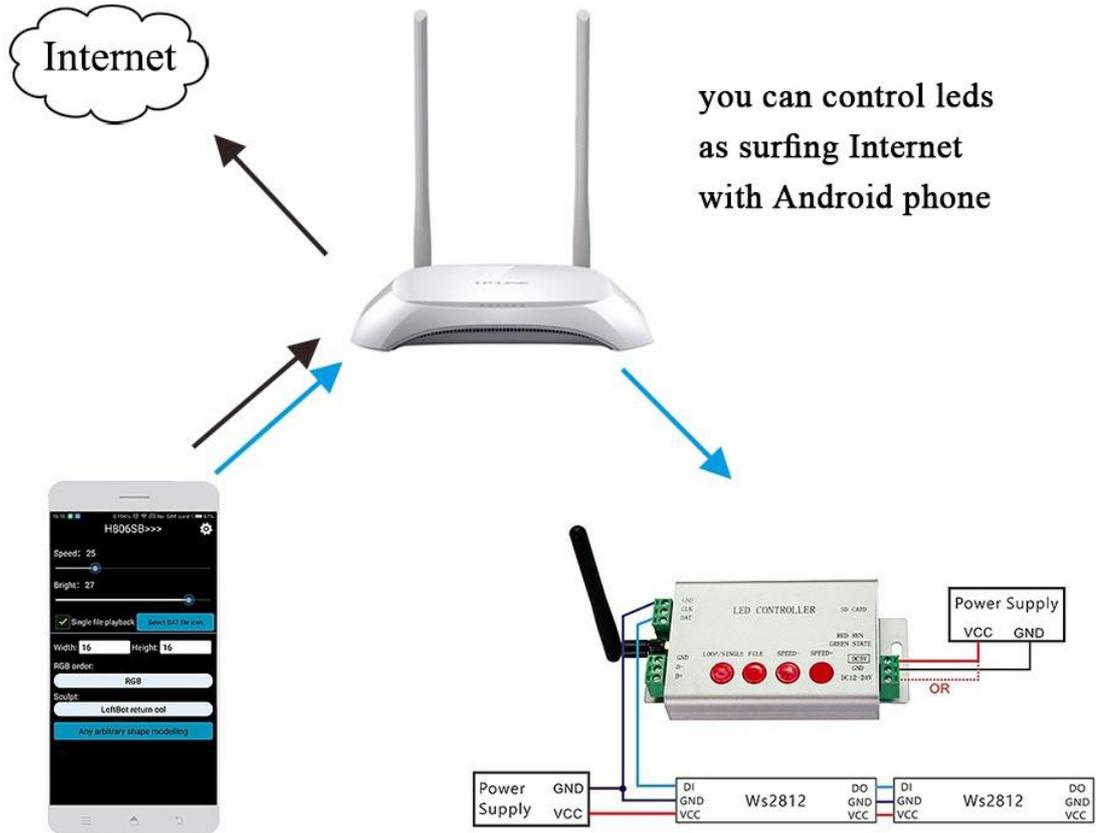


Step6. Configure Router

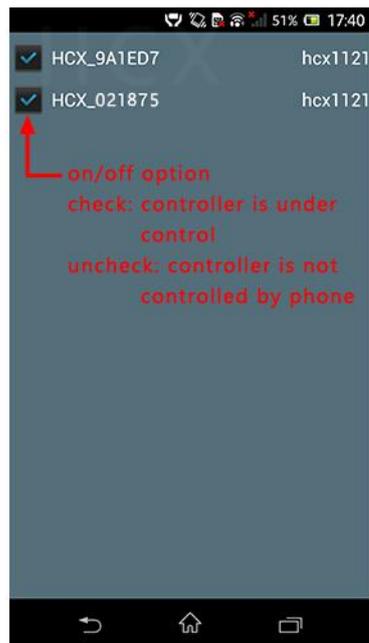
Note: before configuring each H806SB to router with phone, make sure your phone has been connected to each H806SB directly

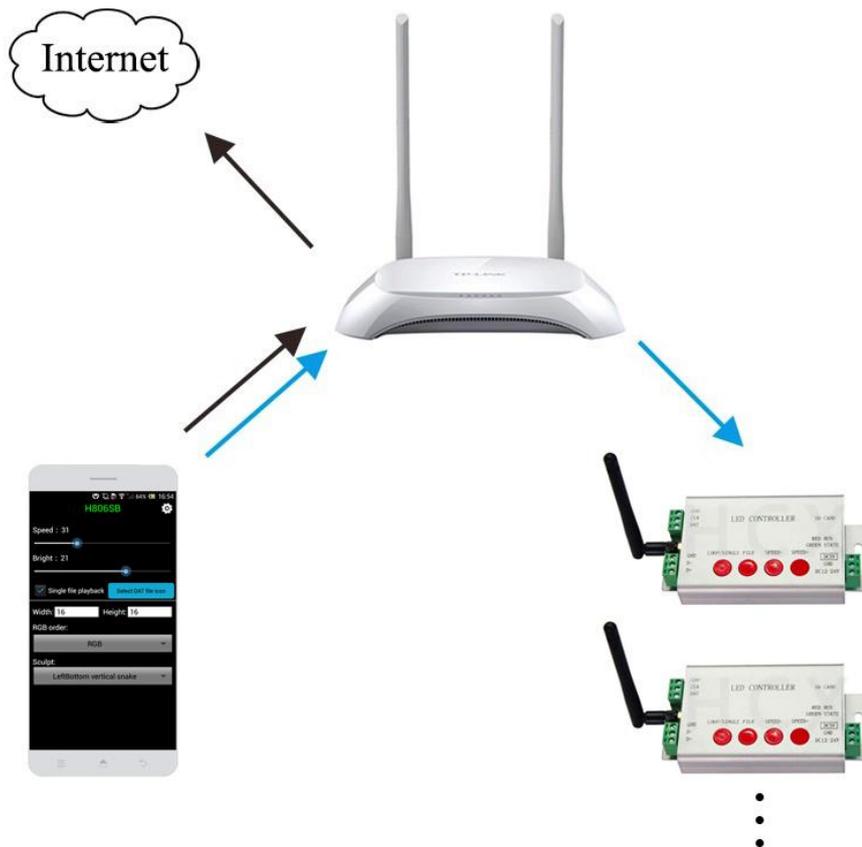
Note the color of "H806SB" in the following example, it's green, which means phone has been connected to H806SB directly





If you have mutiple H806SBs and want to configure them all to router.
For the first H806SB, just connect phone to it directly first, then connect it to router.
For the others, just do the same.





5. Button operation and indicator lights status

Power controller on.

With SD card inserted, green light is on and keeps still, red light is flashing.

Without SD card, green and red light are on and all keep still.

Button	Function	Indicator lights status
LOOP/SINGLE	Switch between loop playback and single playback	Loop playback: green light is on Single playback: green light is off
File	Switch files	Nothing changes
SPEED-, SPEED+	Set speed, maximum speed is 100, minimum speed is 1	Nothing changes

6. Package Include



7. Specifications

Input Voltage: DC 5V~24V

Power Dissipation: 0.3W

Drive Pixels Number: 2048

Control Radius: 25m

Weight: 0.34KG

Dimension: L150 x W82 x H38