H803WIFI



1. **Support Chips:**

TM1812, LPD1883, UCS1903, UCS1909, UCS1912, P9883, SM16703, SM16709, SM16712, WS2811, WS2812, APA104, TM1809, TM1804, INK1003, LX1003, APA102, LPD6803, UCS6909, UCS6912, SM16716, DMX512.

1. **Features:**
2. . H803WIFI only supports android phone.
3. . One phone controls one H803WIFI directly via WiFi.
4. . One phone controls multiple H803WIFIs via router.
5. . H803WIFI has one port, drives maximum 2048 pixels.
6. . H803WIFI stores maximum 72 animation, supports color DIY, built-in many actions.
7. . Input/Output Voltage: DC5V~24V.
8. . H803WIFI supports Art-Net protocol.
9. . You can change name and password of each device at WiFi connection interface with your phone.

**3. Manual**

**Step1. Install App**

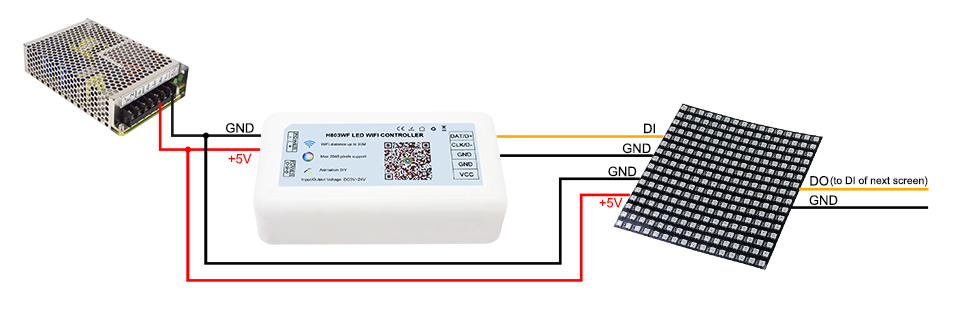
**App download link:**

**https://drive.google.com/open?id=11TNxYoFvcqZ12PdqpbVRZ-j41uYYjXzo**

**Or you can scan the QR code on H803WIFI**



**Step2. Assume you have a 16x16 (pixels) WS2812B screen, connect it to H803WIFI**



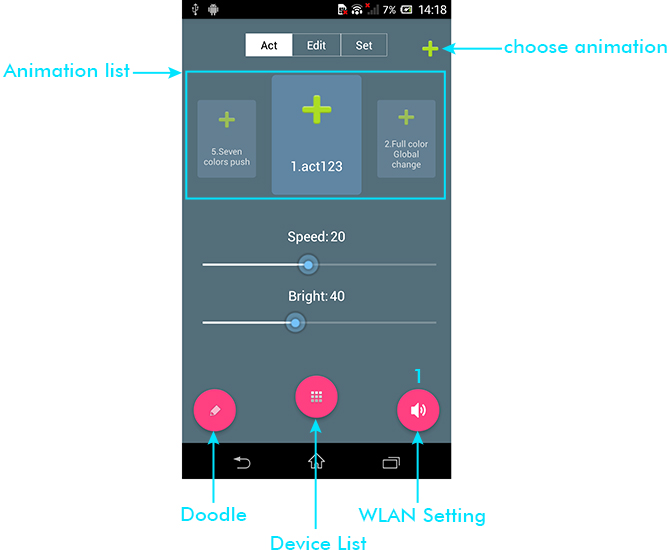
**Note: Though H803WIFI can provide power for screen, when input voltage is 5V, max output power is 5V x 4A= 20W.**

**To make sure screen works fine, sometimes you have to output the power from power supply or add an extra power supply for screen, same for strip or other lights.**

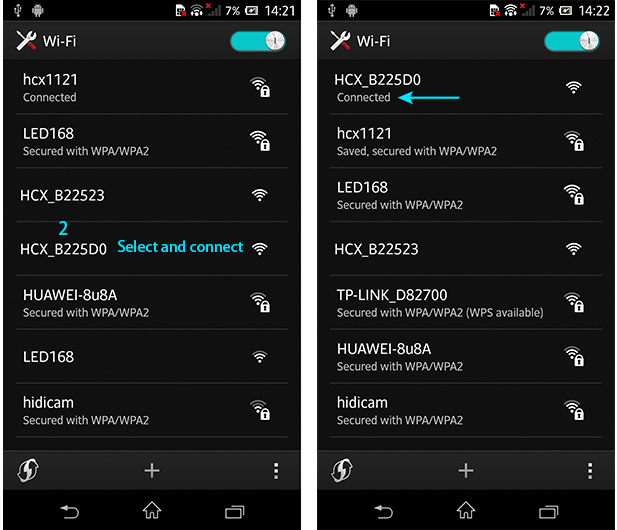
**Step3. Program in App**

**(1). Turn on WiFi in your phone**

**(2). Open H803WF.apk**



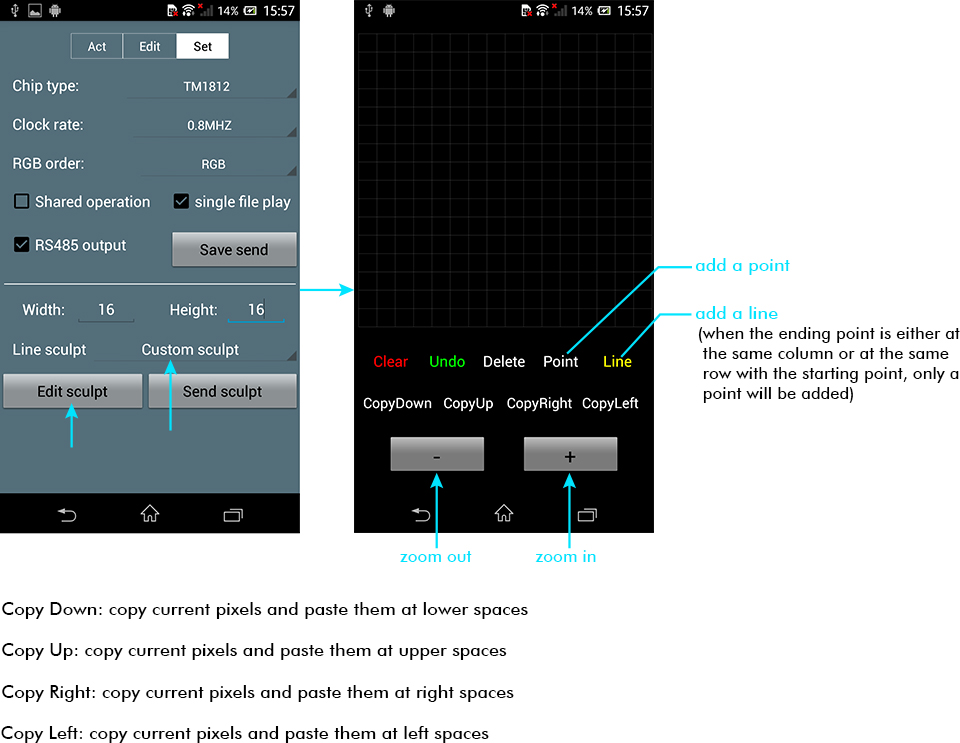
**Controller name starts with "HCX", no password, select it and connect phone to controller**

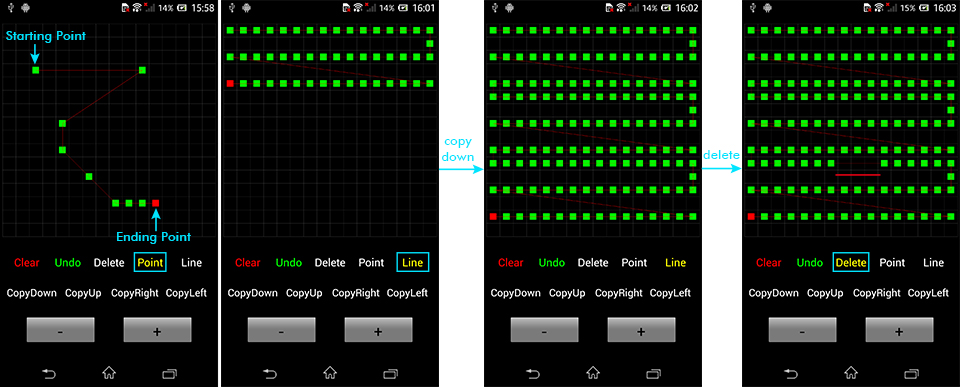


**Back to App**

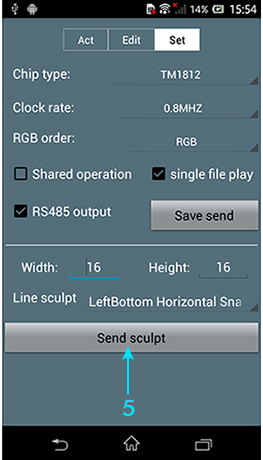


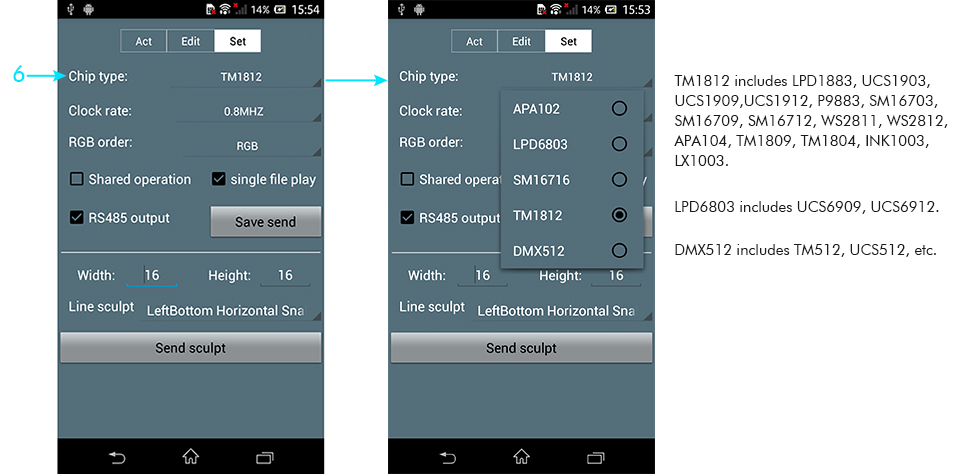
**If none of the connection method fits your real connection, choose "Custom sculpt",** **then click "Edit sculpt"**

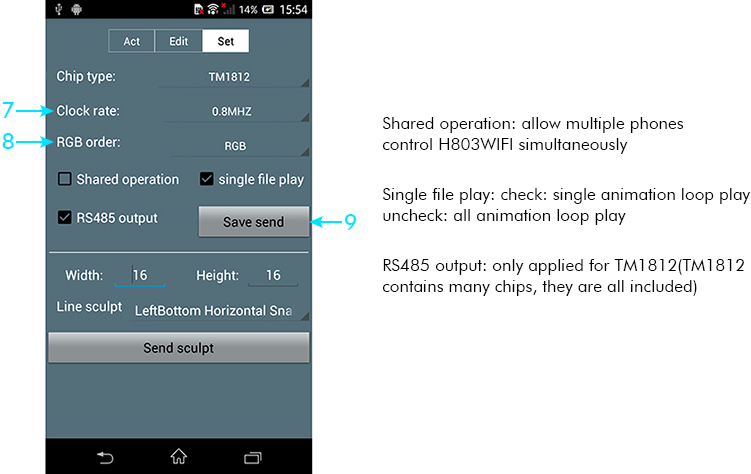


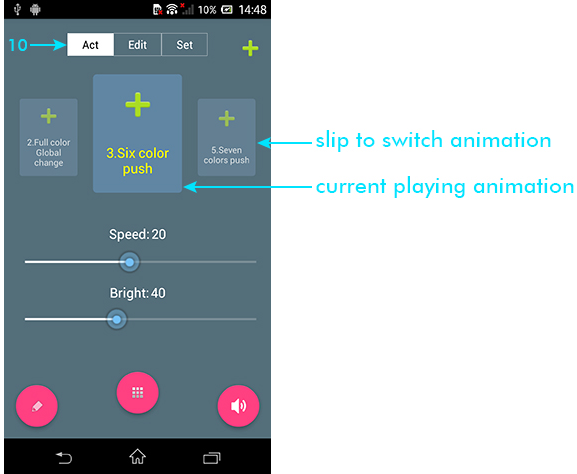


**Then, click "Send sculpt"**



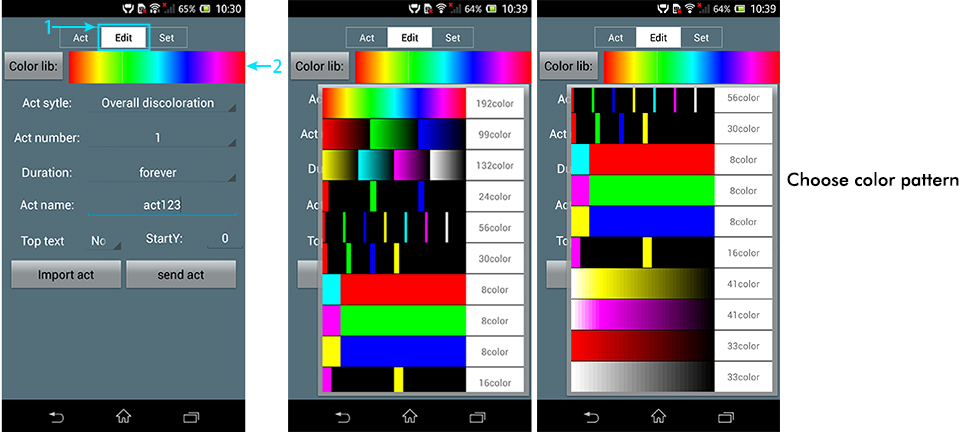


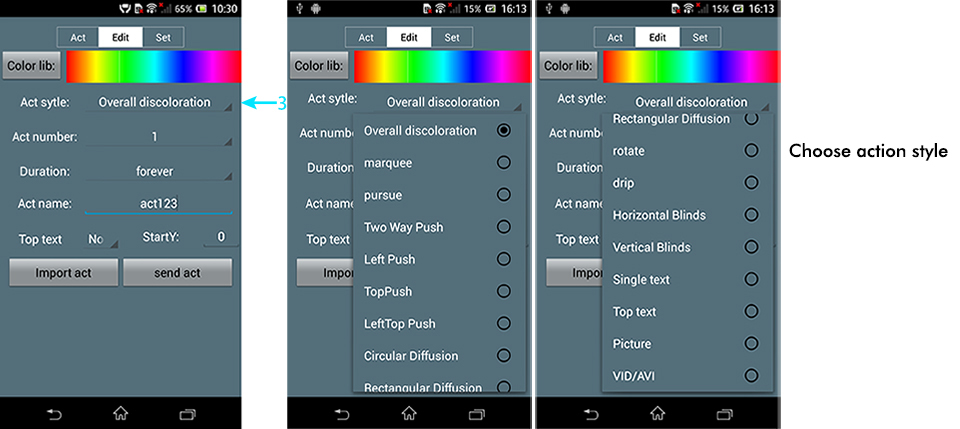


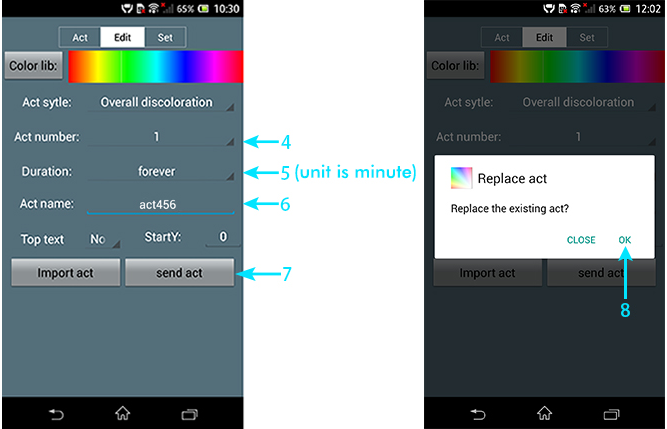


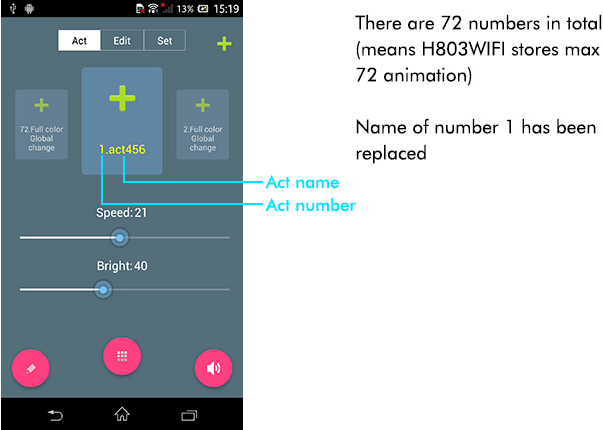
**By now, you should be able to control lights with H803WIFI. However, H803WIFI can do more**

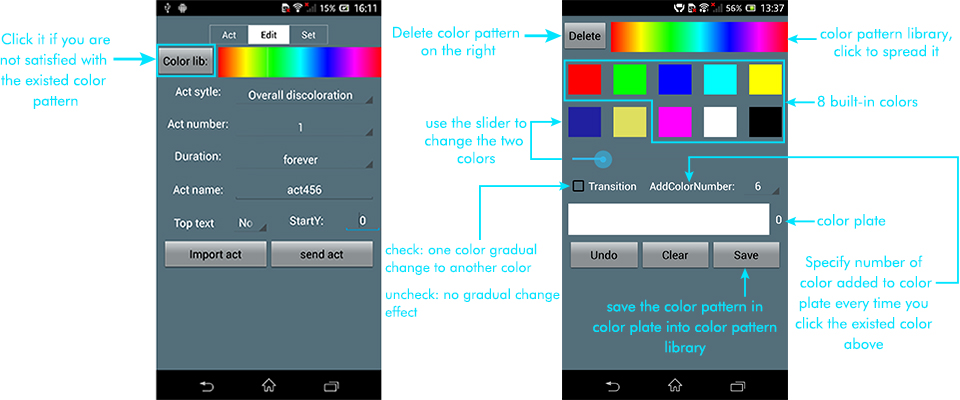
**(1). Edit animation**

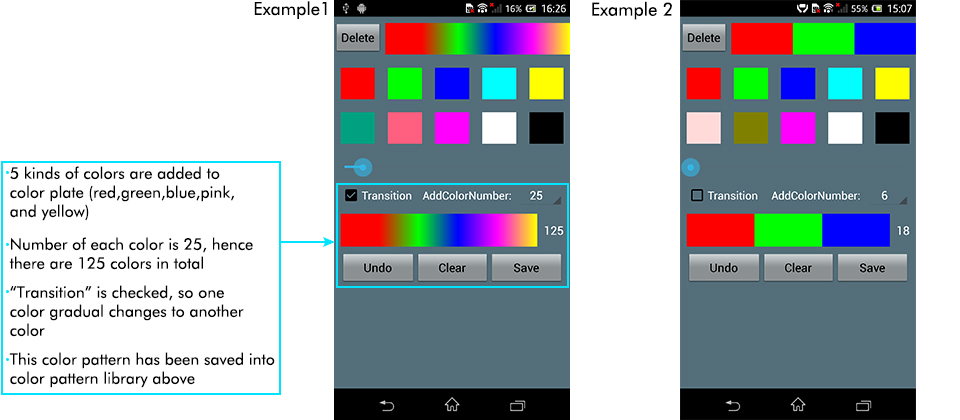


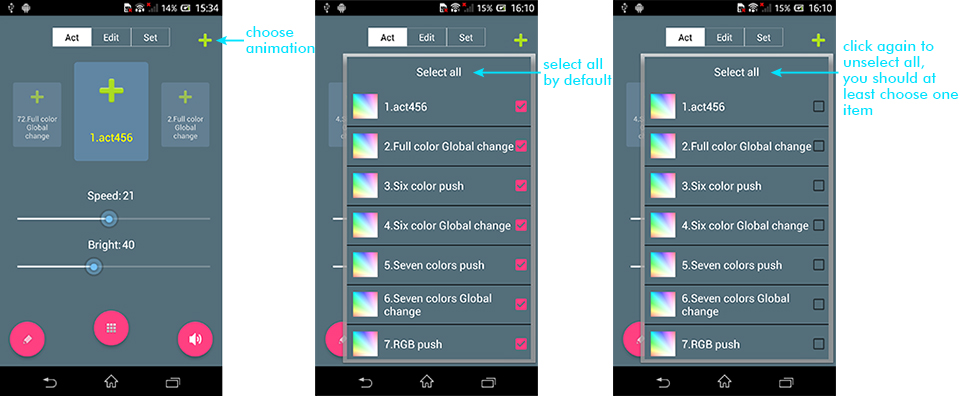


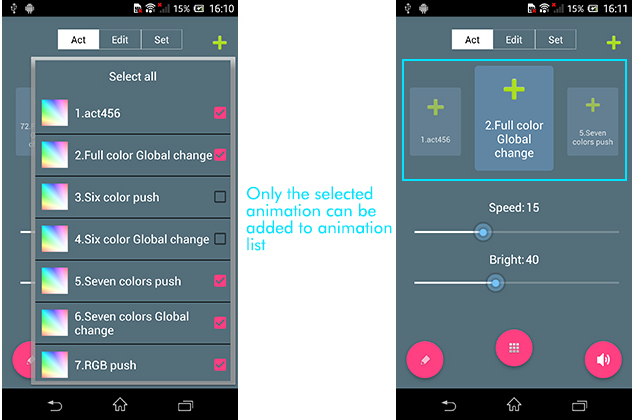






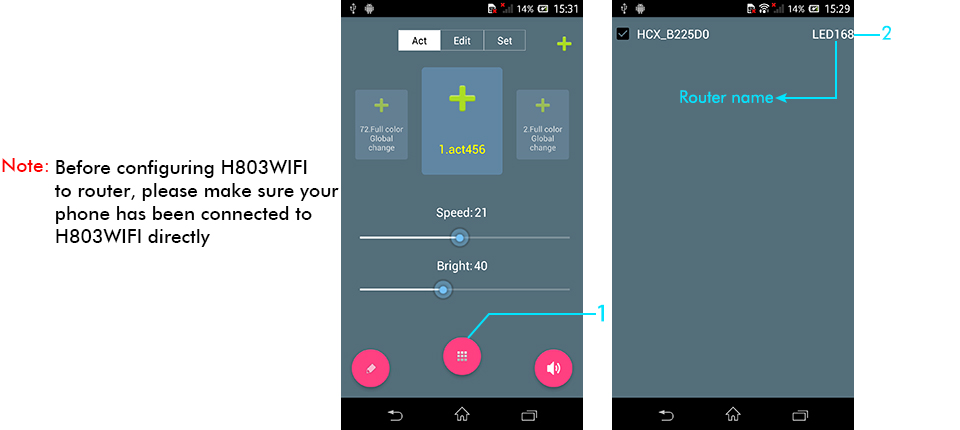


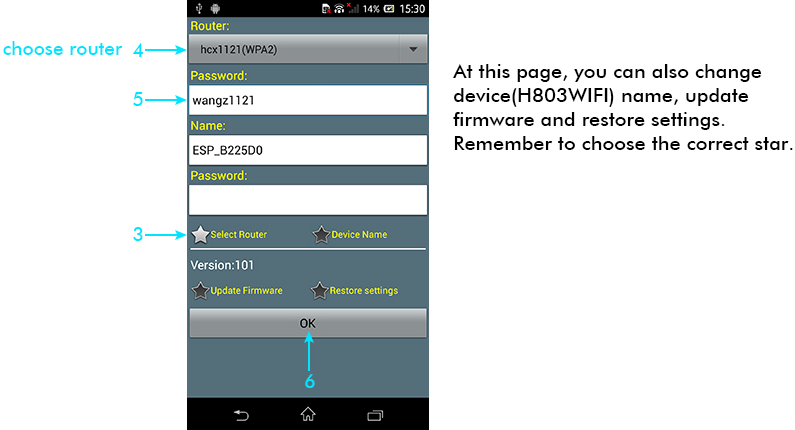


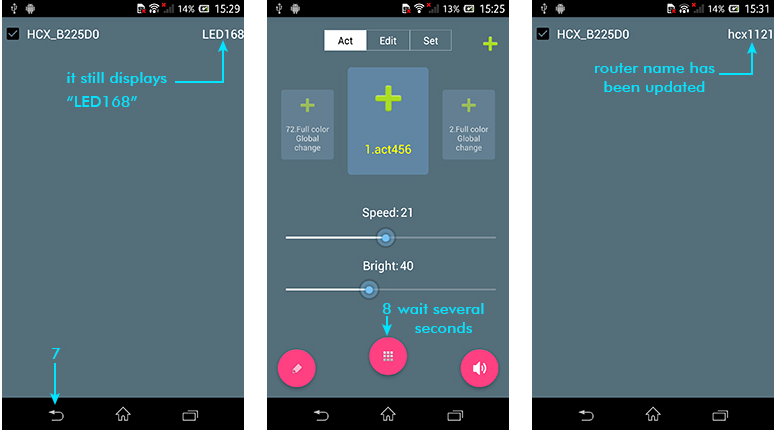


**(2). Bridge H803WIFI to router**

**If you want to control one H803WIFI or multiple H803WIFIs with your phone while surfing Internet, the following steps are essential**



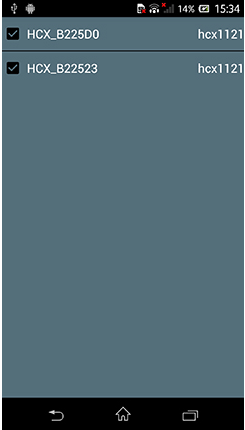




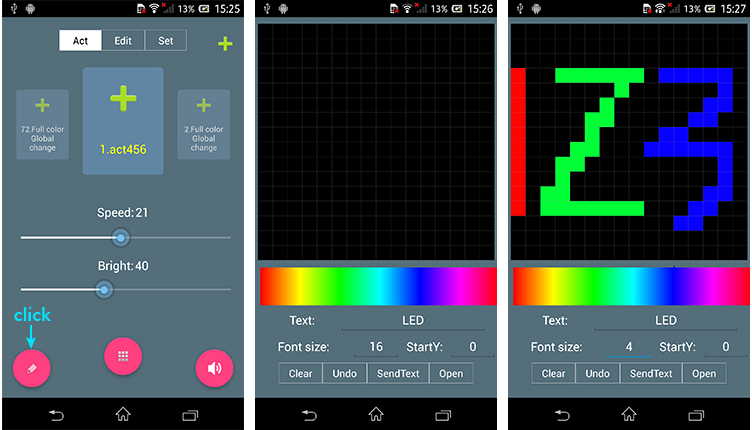
**Now, you can use phone to control H803WIFI while surfing Internet**

**If you want to use phone to control many H803WIFIs,** **steps are basically the same:**

**Connect phone to H803WIFI directly first, then follow step1 to step8 above**

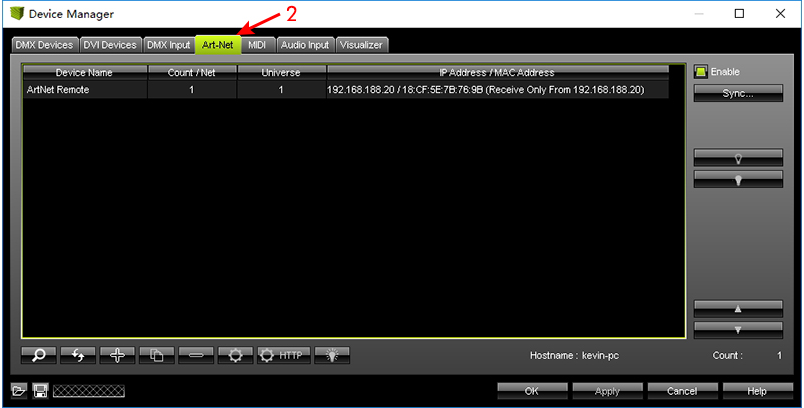


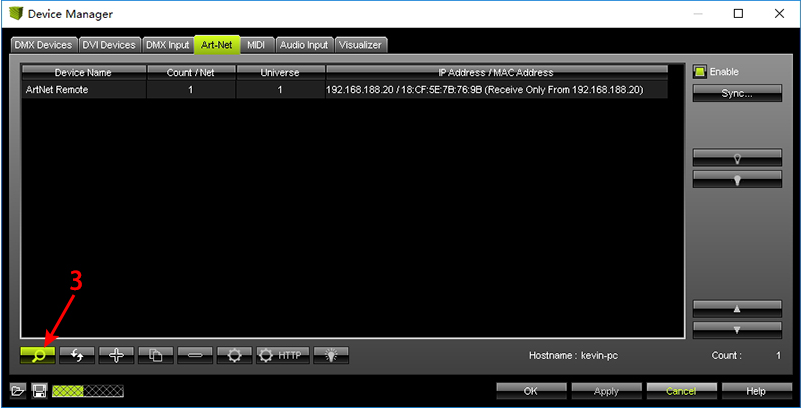
**(3). Doodle**

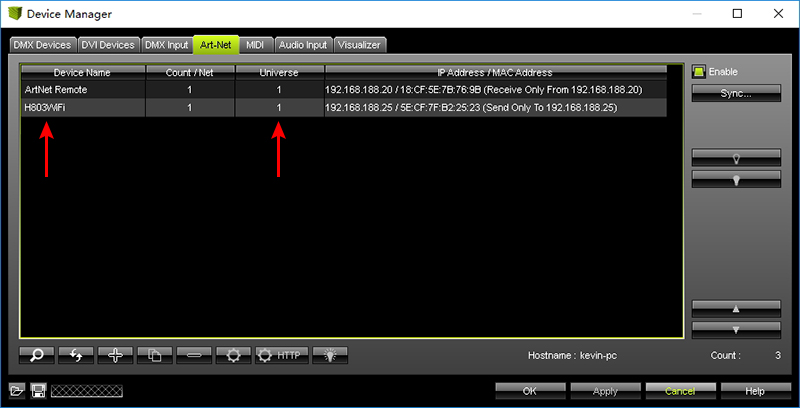


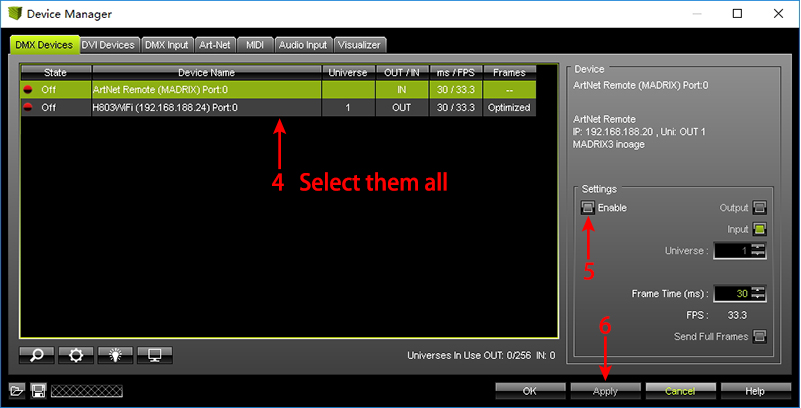
**(4). Art-Net Remote Control**

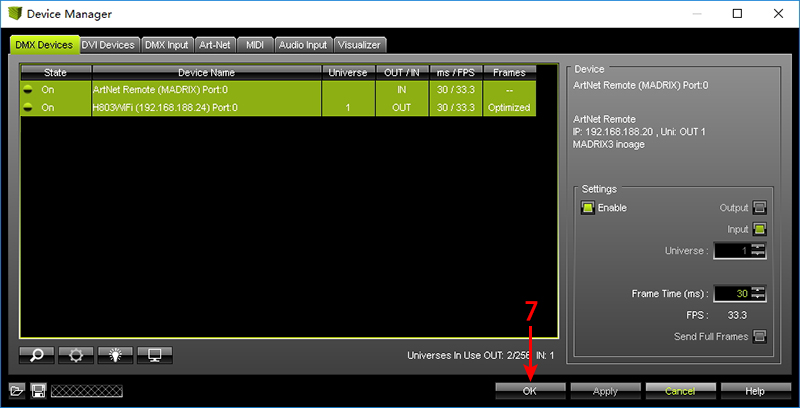












**4. Specifications**

|  |  |
| --- | --- |
| Input Voltage | DC5-24V |
| Power Consumption | 0.6W |
| Drive Pixel Number | 2048 |
| Weight | 40g |
| Working Temperature | -20C°--75C° |
| Size | 85mm x 45mm x 23mm |