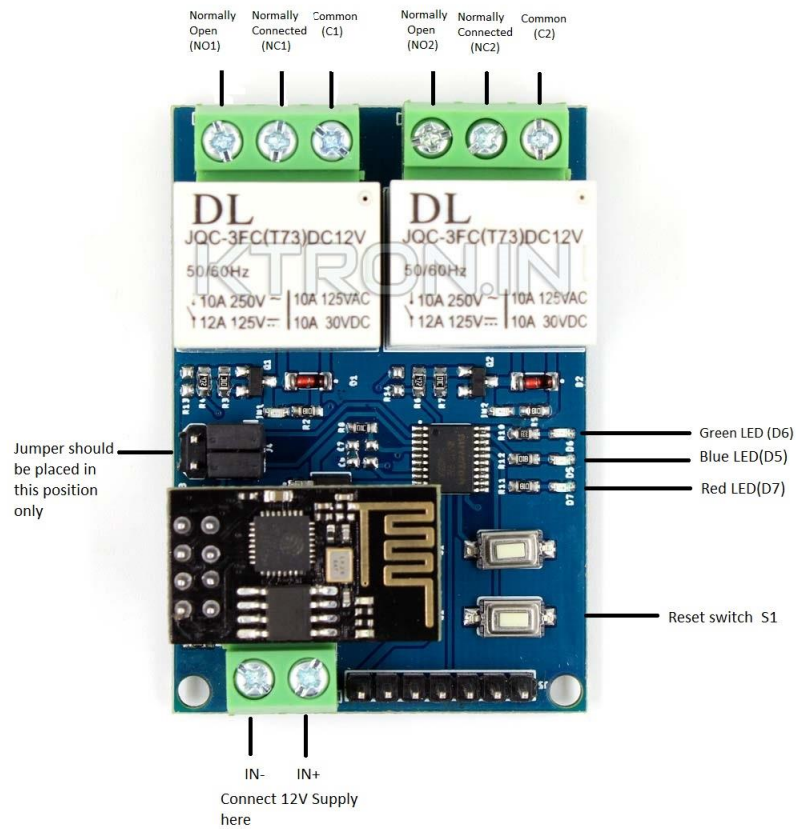


# **12V Two channel Wi-Fi relay module**

**12V ESP8266 2-ways Wi-Fi relay IOT smart home  
cellphone app remote control switch**

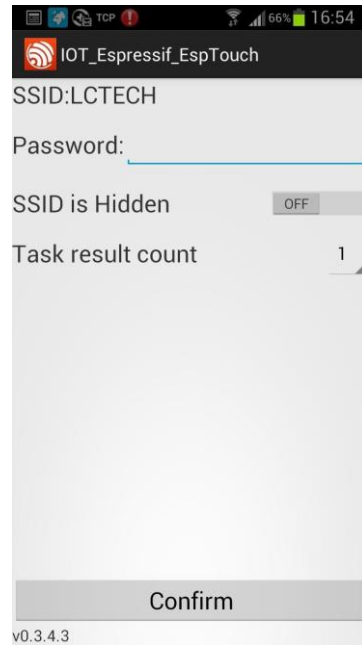
# 1. get ready for the following software and tools :

1. 12V/1A adaptor and connect to IN+ and IN-.



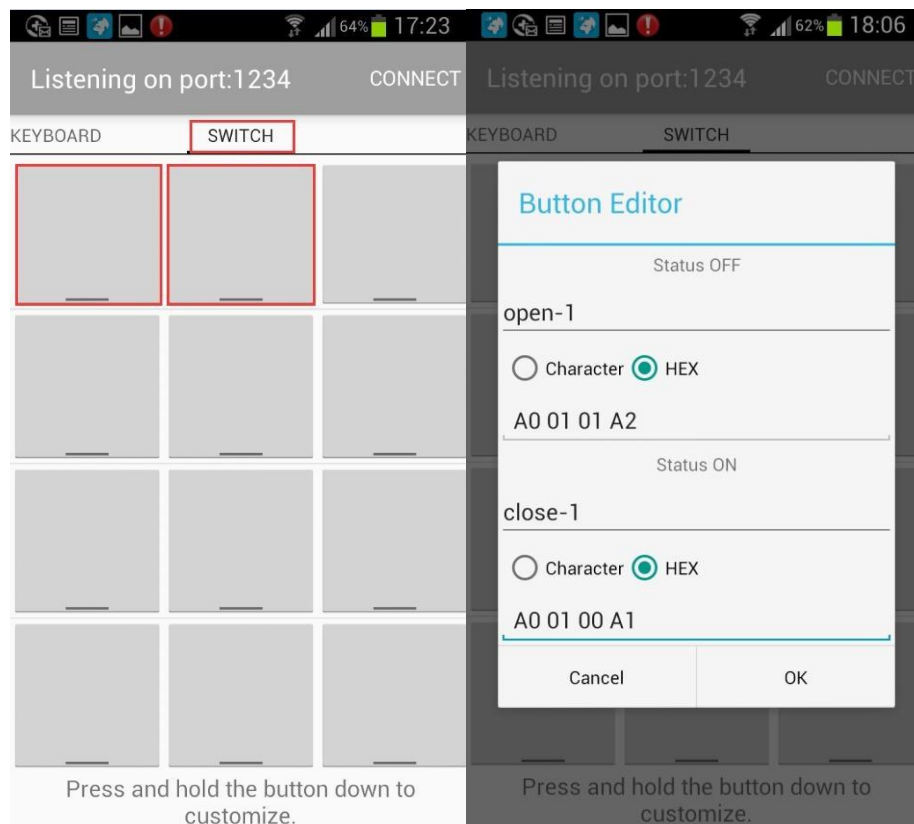
**Fig.1**

2. Install APP “EspTouch\_Demo” android version to configure Wi-Fi account and password for ESP-01 module on the first time

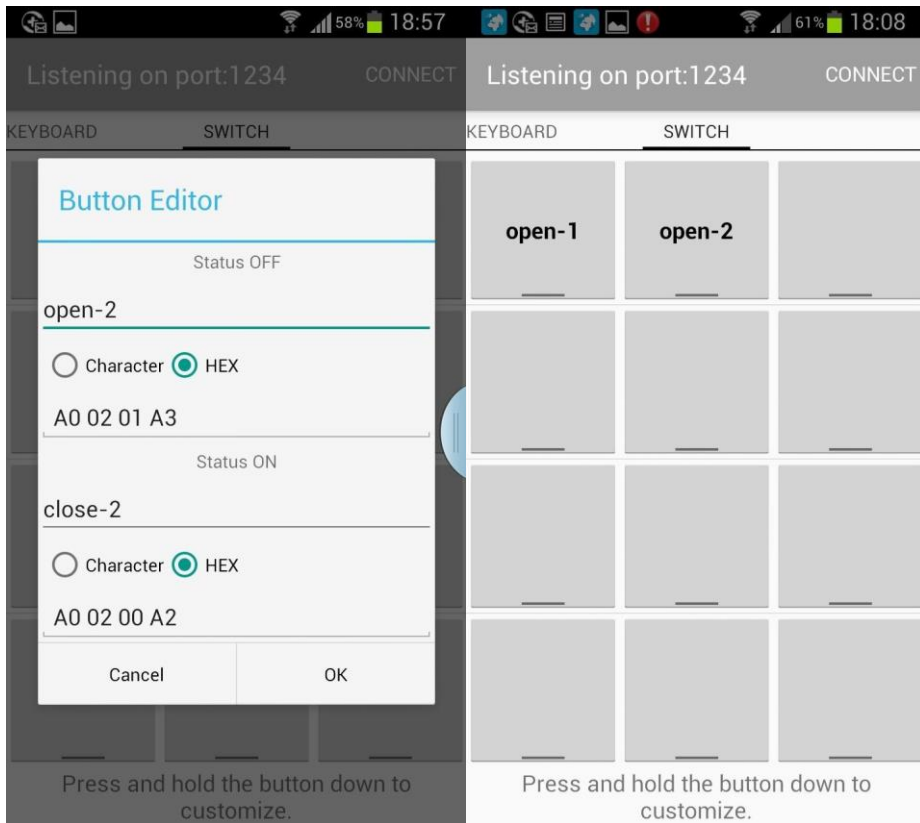


**Fig.2**

3. install APP "EasyTCP\_20 "on android cellphone. It is TCP transmitter tool for sending instruction of relay. Klik "SWITCH", and always press gray block to popup Button Editor interface. Then input the button name and choose HEX, and related command.



**Fig.3**



**Fig.4**

## Setup for mode 1 (Connect via ESP-01 Hotspot) :

1. Power on ESP-01 module, after 4sec. Green LED turned on to 2s slow blinking, that means, configuration is finished

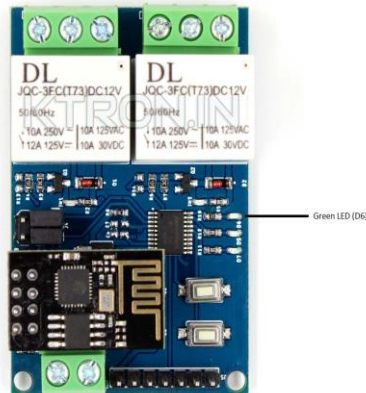


Fig.5

2. EPS-01 module creates AP or Hotspot. Now you can connect with it.

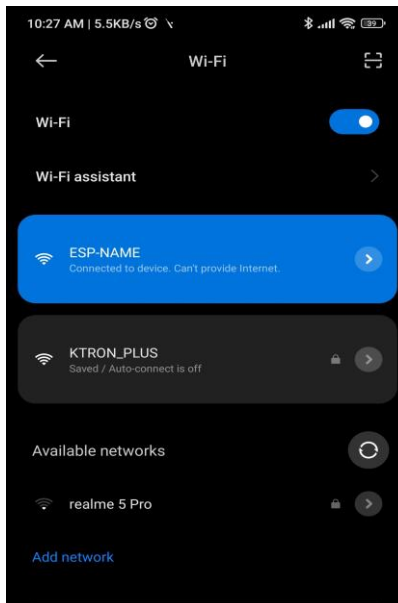
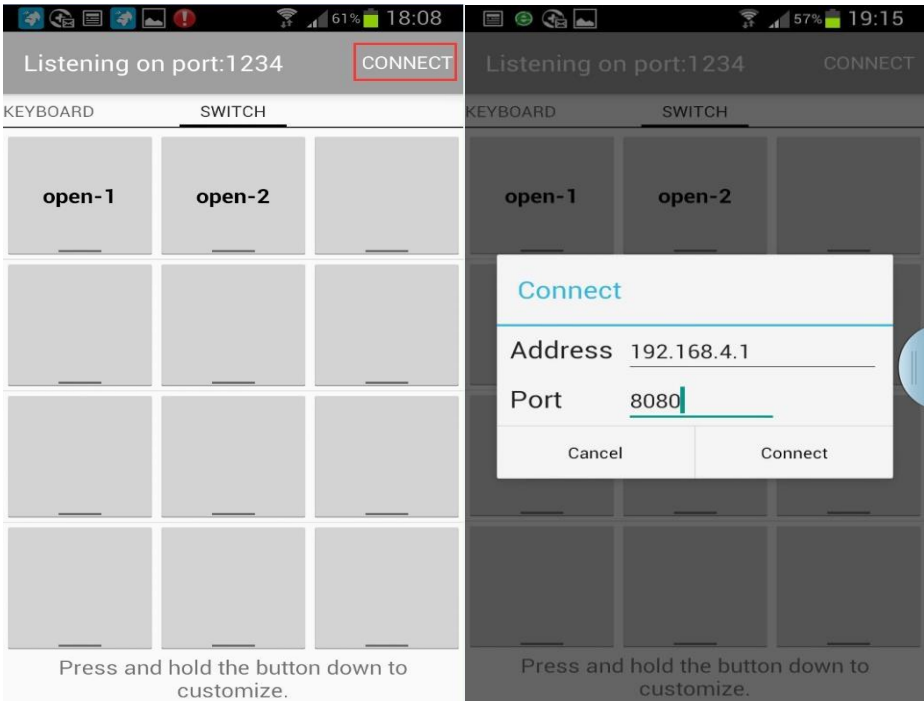


Fig.6

3. Log in app “EasyTCP\_20 “, CLICK “CONNECT”, and enter IP 192.168.4.1 in Address, and port 8080, then connect. The green LED will be 2s slow blinking to always on. Click on your created switch in Fig.3 and Fig.4 to control the relay now.



**Fig.7**

## 5. Setup for mode 2 (cellphone and ESP-01 module carry on router together)

1. Insert ESP-01 module and power on relay module, press S1 and change to mode 2 when green LED is on slow blinking. Blue LED will be on at this time and green LED is out to 0.5s fast blinking. The module is waiting for “EspTouch\_Demo” APP configuring Wi-Fi account and password.

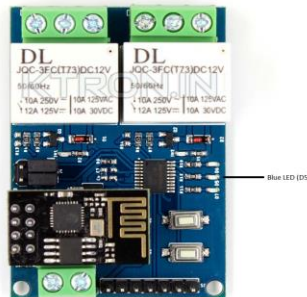


Fig.8

2. Log in “EspTouch\_Demo” APP input Wifi router password and confirm.

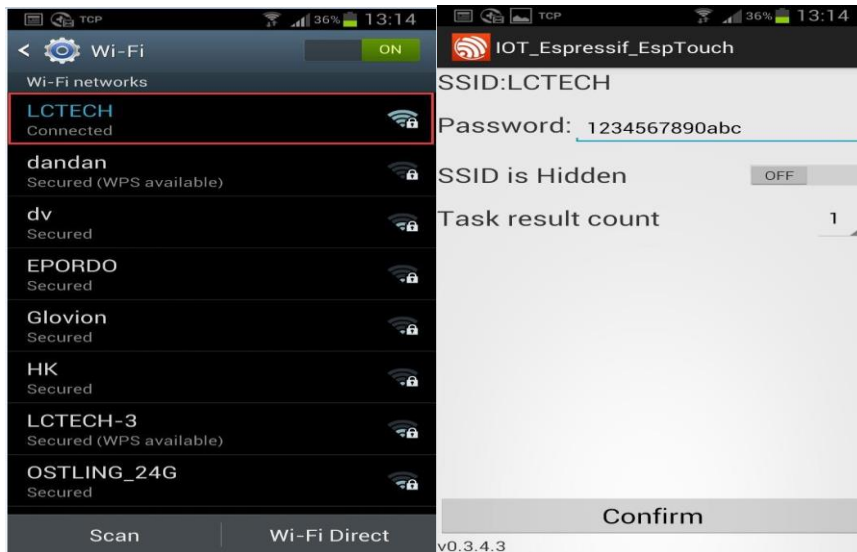
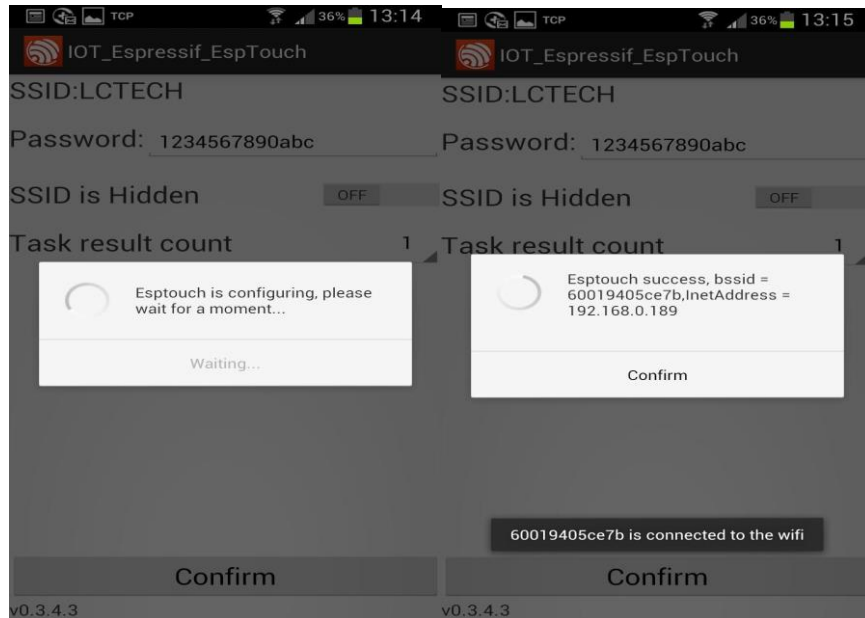


Fig.9



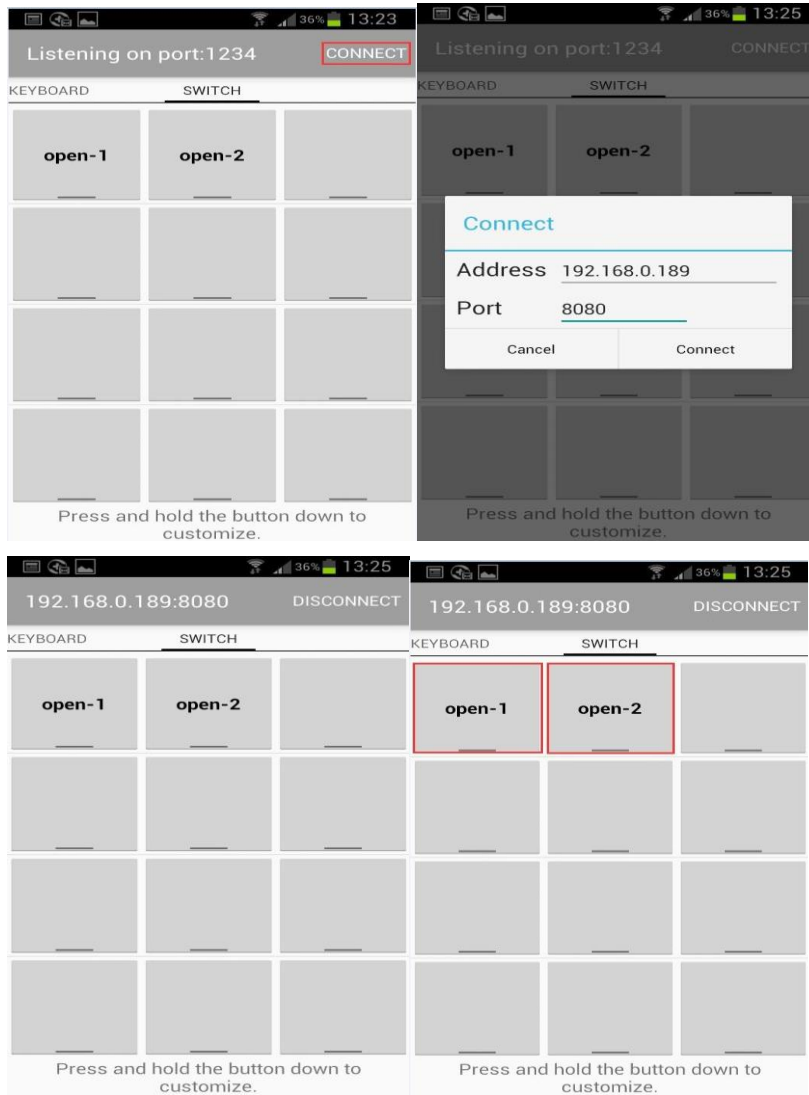
3. When an app creates IP (192.168.0.189 for example) successfully, ESP-01 module connects router already. It will remember account and password. And it will connect the router automatically next time.



**Fig.10**

**It is important to note:192.168.0.189 this IP address is dynamically allocated by the router to ESP - 01 module. It may change after the next re-connection. User can see the router device list of real-time IP address**

4. Log in EasyTCP\_20”APP, click “CONNECT”, input IP of ESP-01 module which will show while doing above step 3(fig.10 ):192.168.0.189 and port 8080 and connect. Green LED is from 2S slow blinking to always on. Then you can control relay by clicking on switch which you created Fig.3



**Fig.11**

Thank you