



CUBIEBOARD
<http://cubieboard.org>

RTL8188EUS User's Manual

CB1&CB2 Android

Website: <http://cubieboard.org/>
Support: support@cubitech.com



Version	Author	Modification	Check
V-0.1-20150121	Payne	Init version	



Table of Contents

1. Abstract	4
2. Hardware requirements	4
3. Software requirements.....	4
4. Wireless connection	5
4.1. The hardware connection.....	5
4.2. System start, set the connect of WiFi.....	5
5. WiFi hotspot	8
5.1. Setting WiFi hotspot.....	8
5.2. Testing.....	12

1. Abstract

Rtl8188eus is a usb wifi module ,which can support wifi & hostapd fuction .Both A10&A20 can support this usb module ,but the hostapd function for a10 can not work .

2. Hardware requirements

- Cubieboard1 or Cubieboard2
- Cubieboard WiFi-mod-8188eus
- A HDMI cable, network cable
- A mouse, keyboard and display

3. Software requirements

Android System

Firmware compression package :

Cubieboard1 : <http://dl.cubieboard.org/modules/RTL8188EUS/image/cb1-android/>

Cubieboard2 : <http://dl.cubieboard.org/modules/RTL8188EUS/image/cb2-android/>

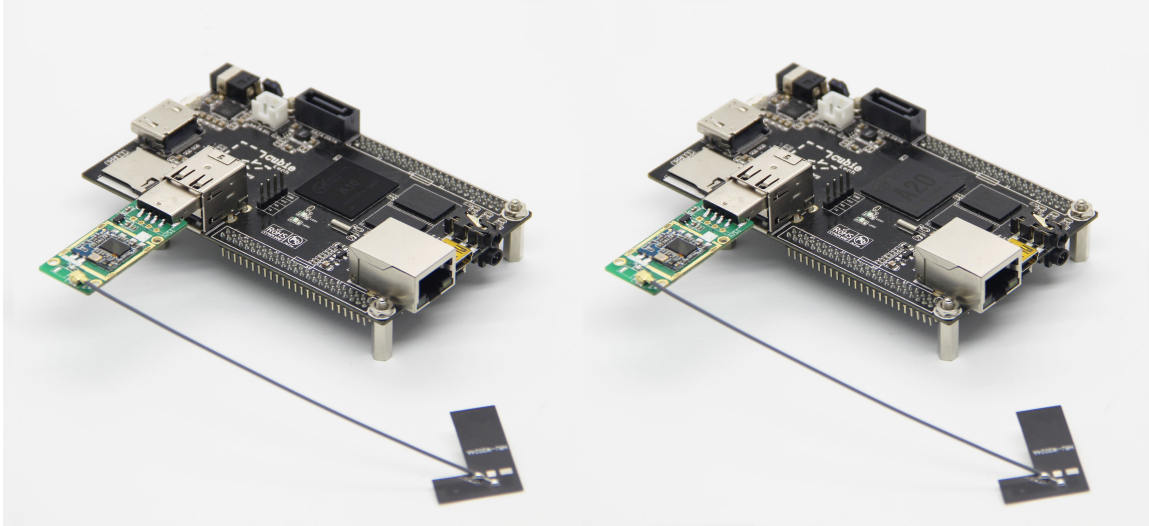
The document also applies to the following firmware at the same time

<http://dl.cubieboard.org/model/cubieboard1/Image/android/android-tvbox-v2.2/android-tvbox-8188eu-cb1-nand-v2.2.img.7z>



4. Wireless connection

4.1. The hardware connection

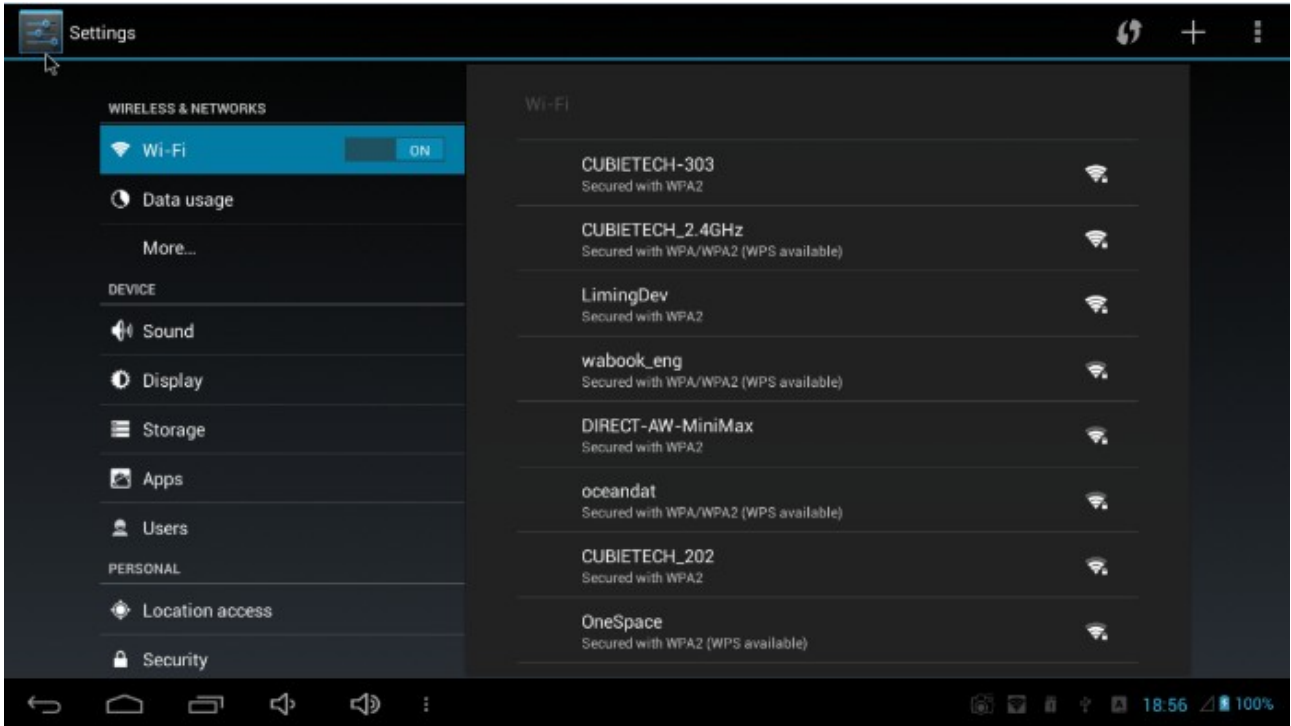


4.2. Power on, set the connect of WiFi

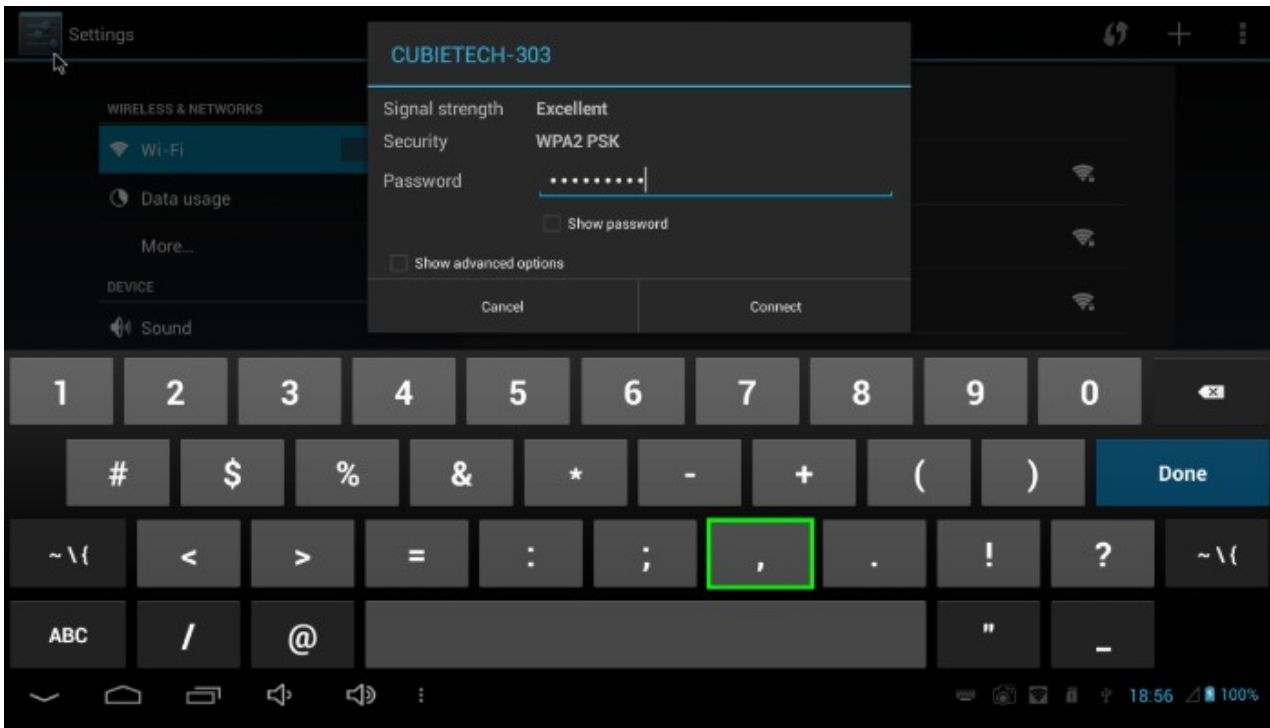
Click Settings, as follow :



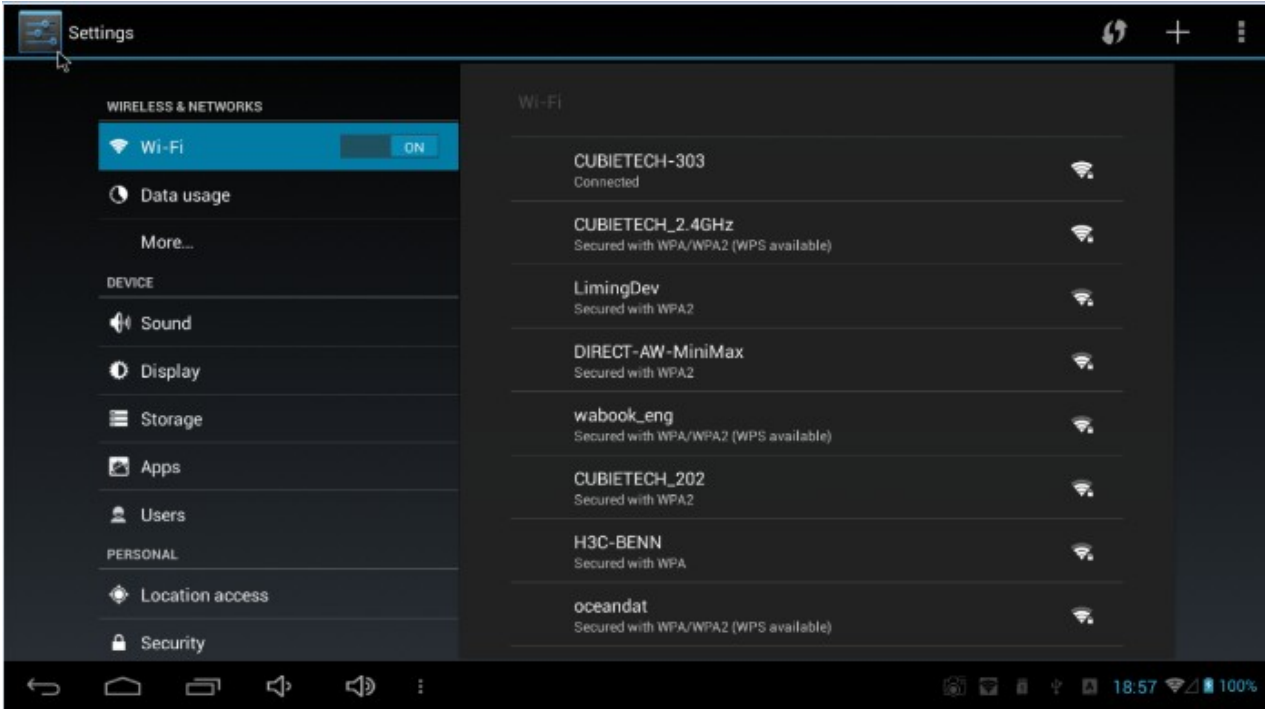
After click on the Settings shown below, click Wi-Fi options to open WiFi function, click to what you want to connect the WiFi signal.



Input a password in the below , click Connect :



It has been connected to the WiFi as follow, the signal source for "CUBIETECH-303"



Return to the main interface, click on the browser, enter and input www.baidu.com in the address bar, look to whether can connect to the Internet, as below:

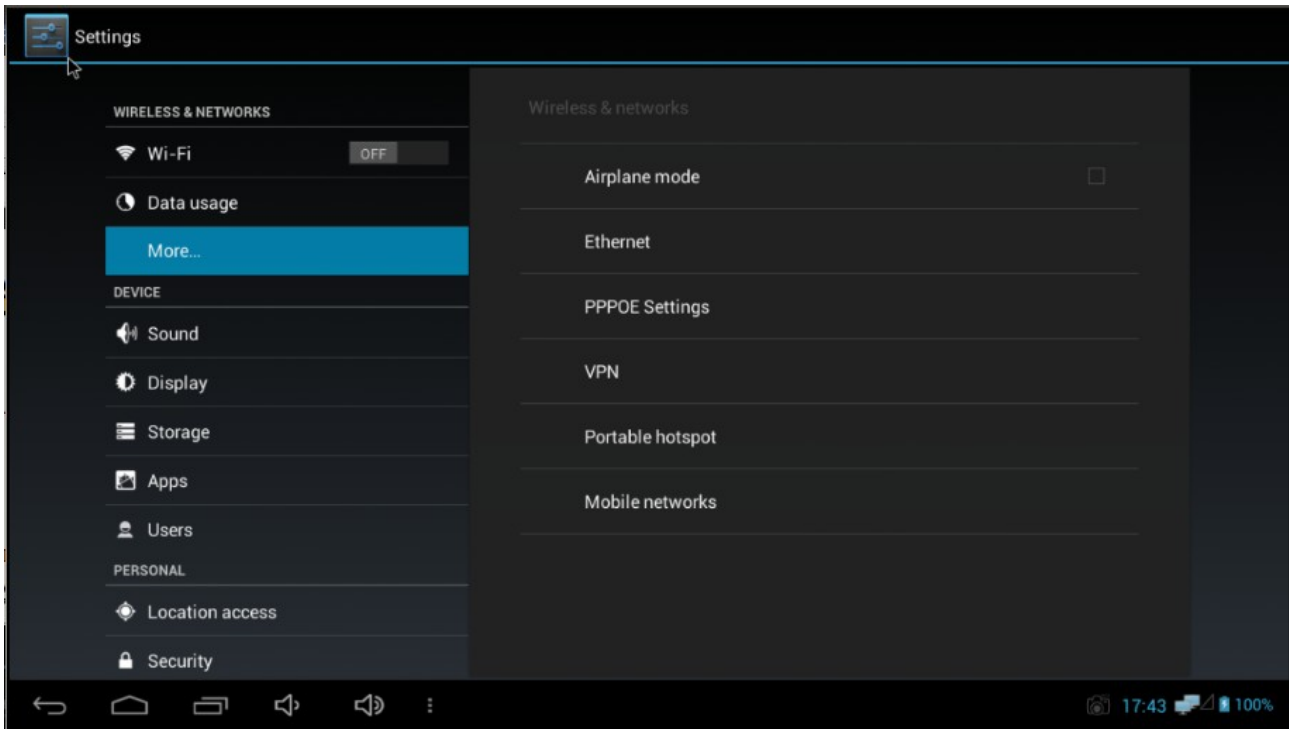




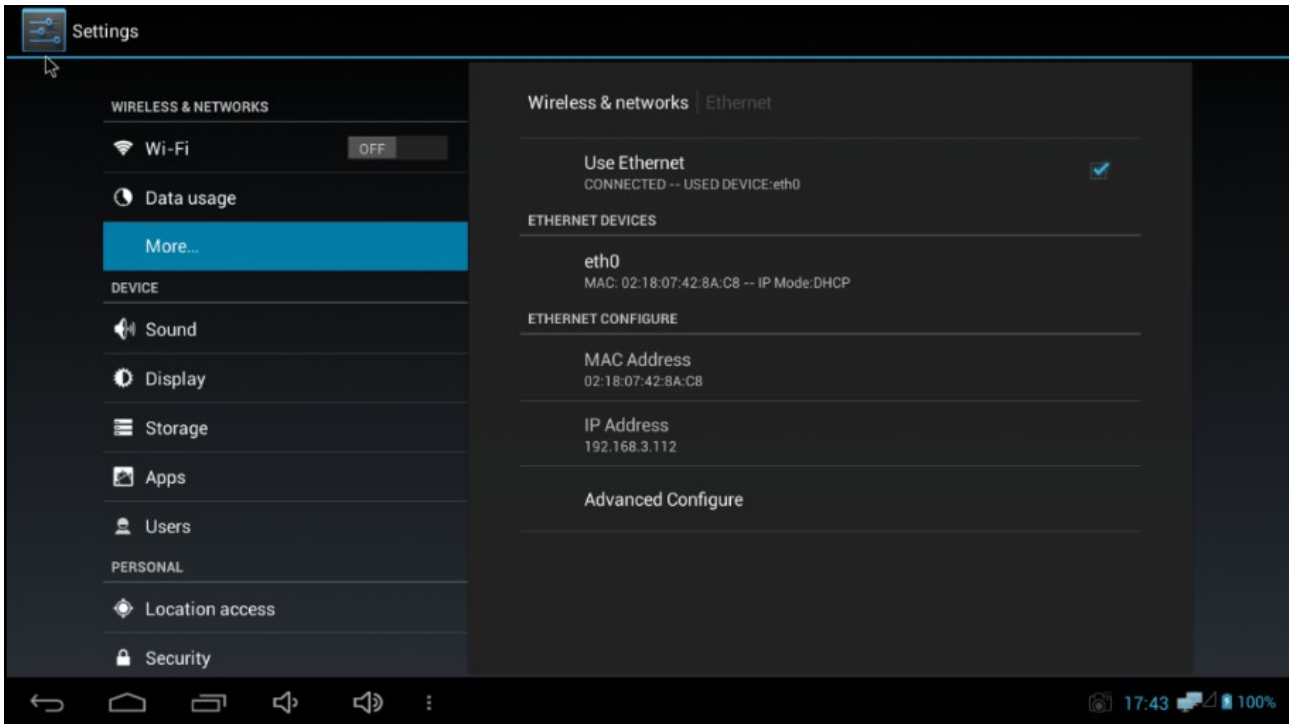
5. WiFi hotspot

5.1. Setting WiFi hotspot

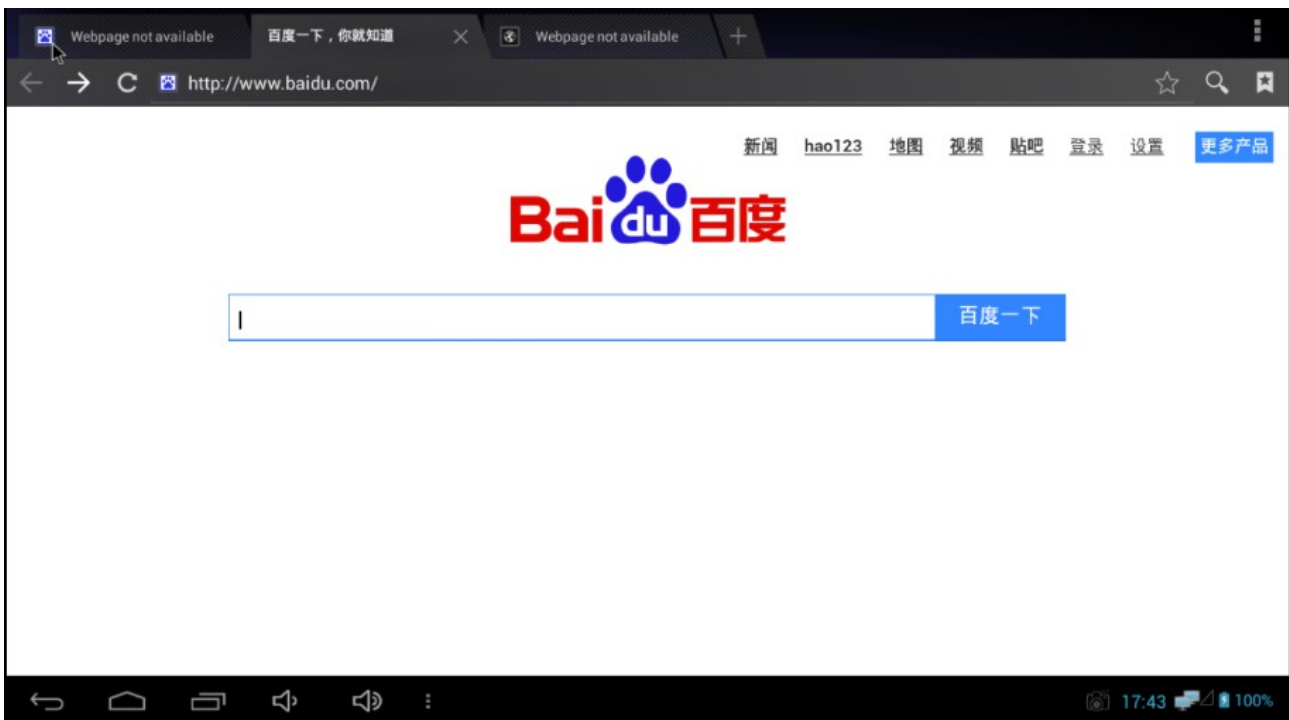
Connect to line, open the Ethernet connection, enter the Settings interface as shown below, click More, click below the right "Ethernet".



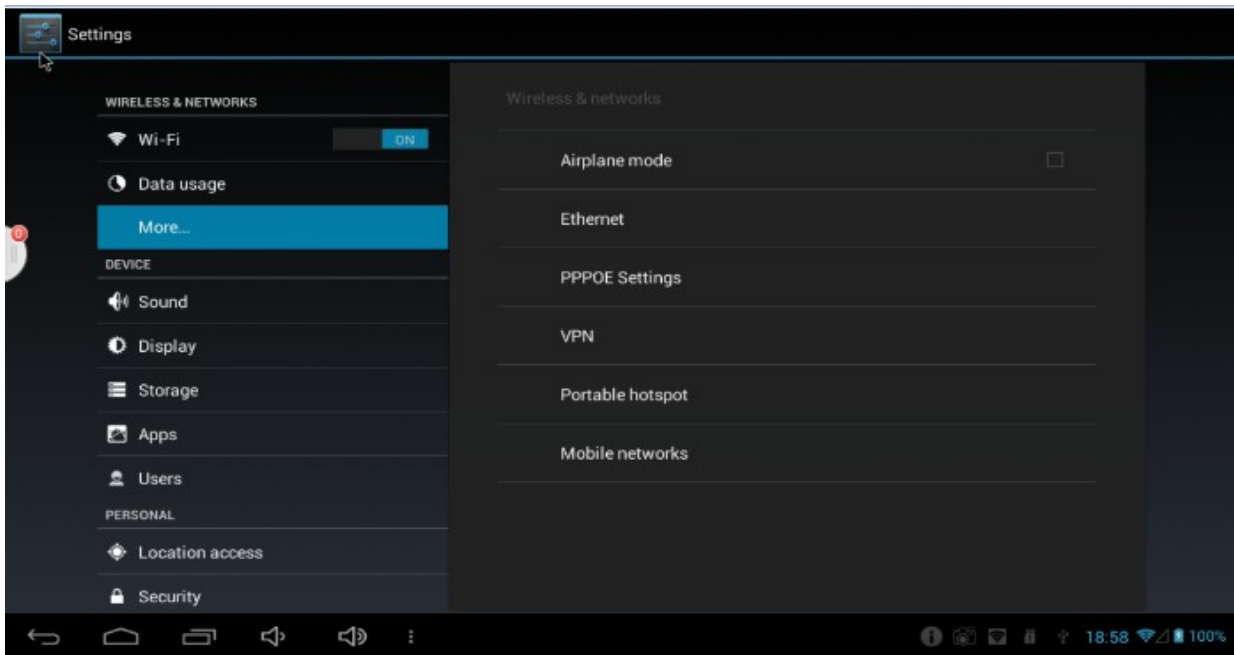
Click the "Use Ethernet" as follow:



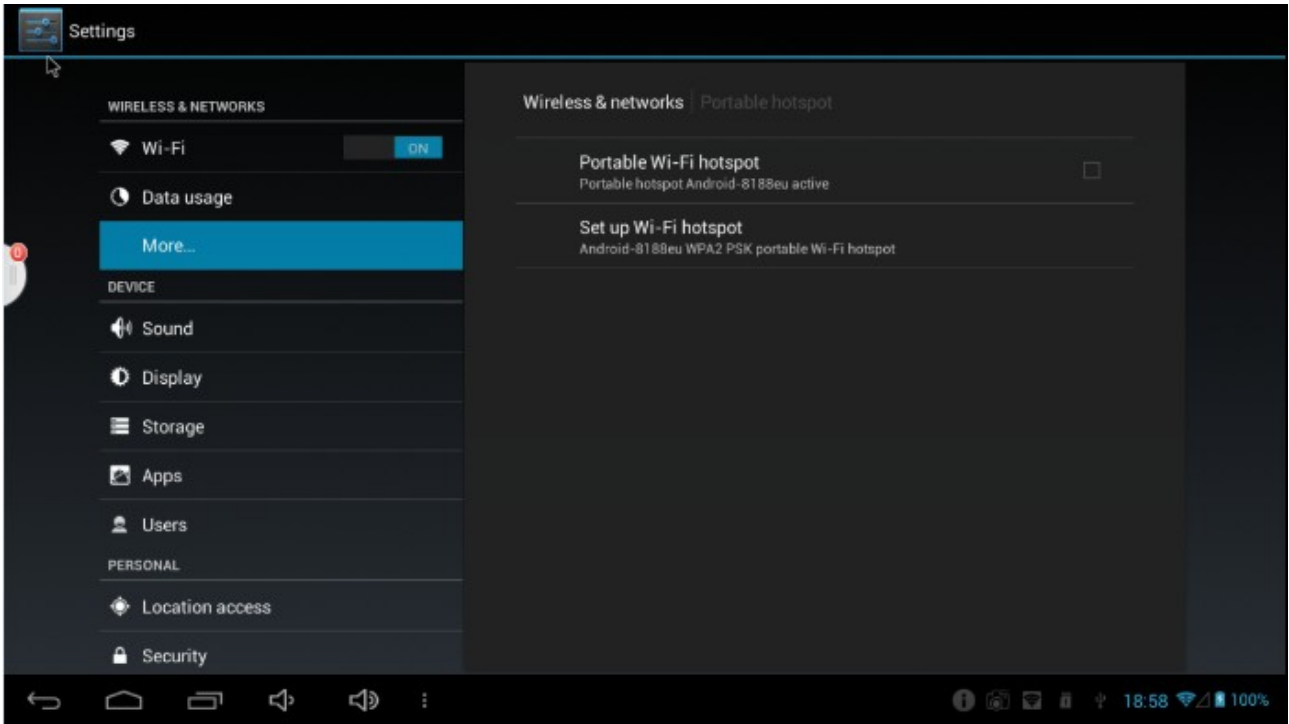
Checking if can you connect the Internet



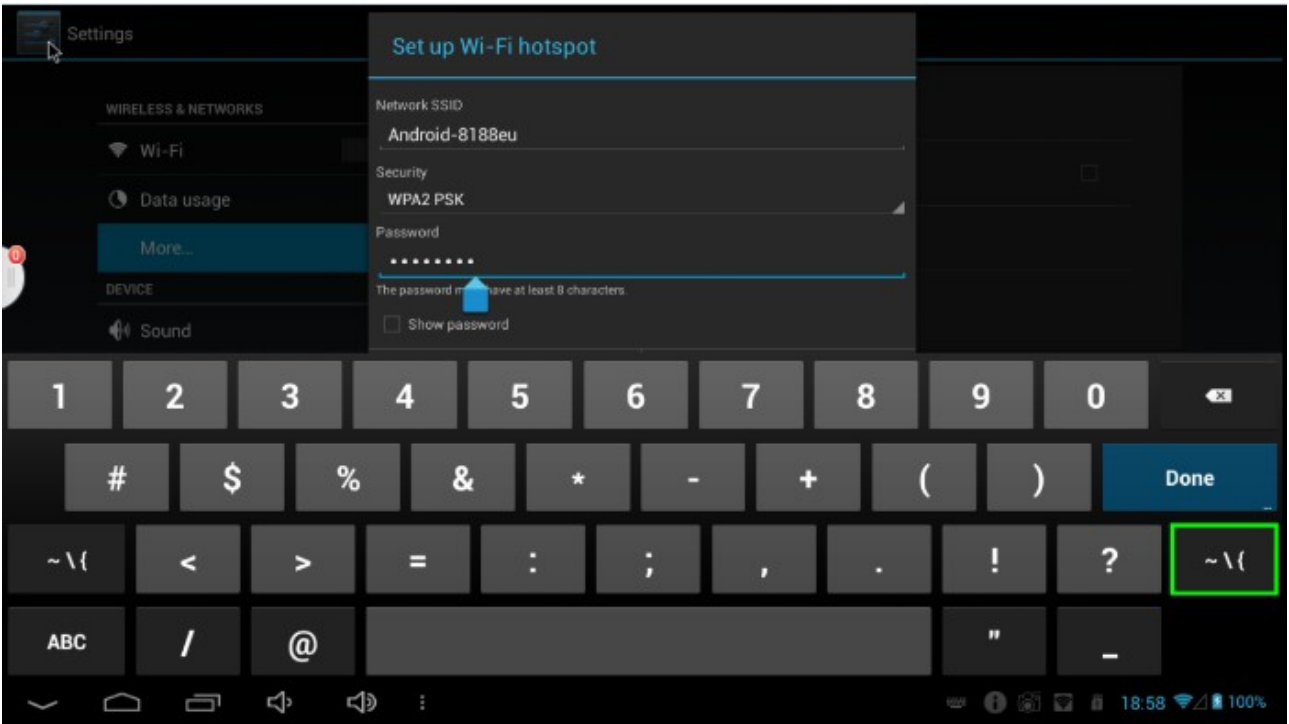
Enter the interface of Settings, select “More...”, then click on "Portable hotspot" below the right of option, enter the WiFi hot set options:



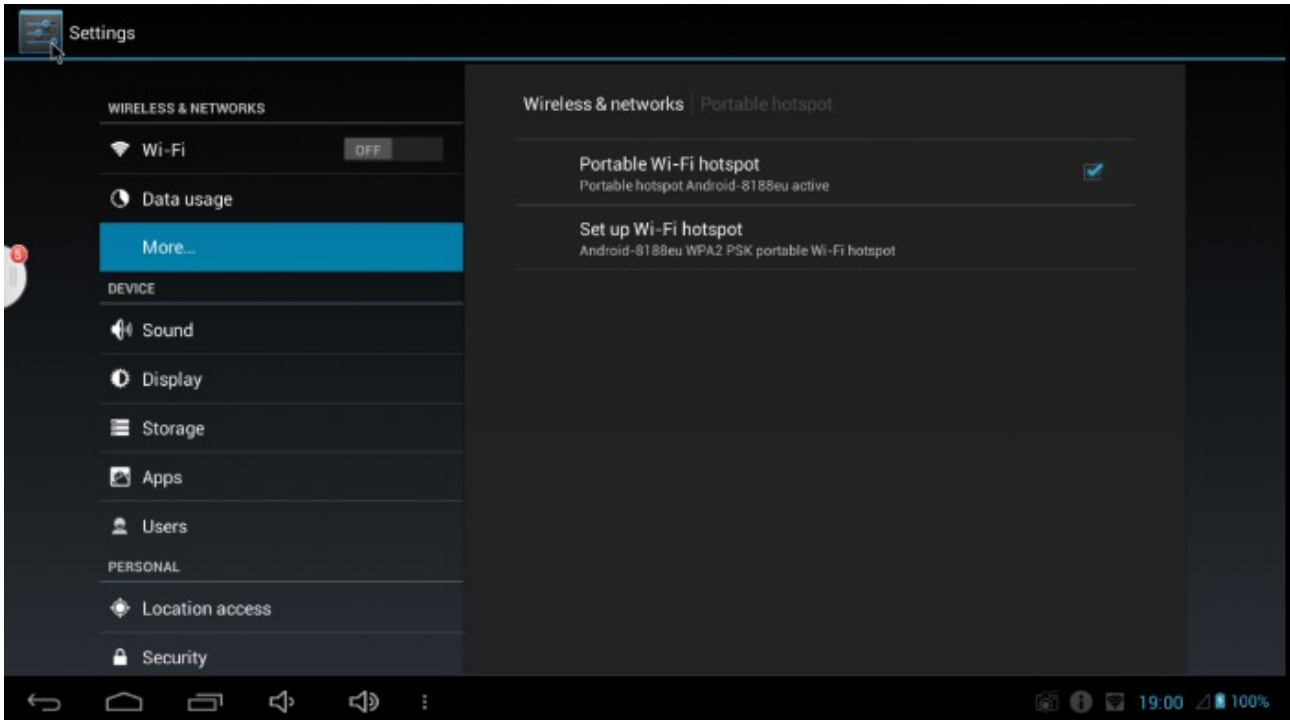
Click the “Set up Wi-Fi hotspot” to set the hot basic information as follow:



Set the SSID and password :



Click on the "Portable Wi-Fi hotspot" to open, the WiFi hotspot start-up success as follow:



5.2. Testing