



QY-IMX6S SBC Android User Manual

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2010.07

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Version	Hardware Platform	Description	Date	Reviser
1.0	QY-IMX6S-V1.2	First Published	2014-05-21	st



Preface

This manual mainly introduces how to test the motherboard function of Android.
Before reading this manual, please read carefully *QY-IMX6S Hardware Manual*
And *QY-IMX6S Android Burning Manual*.



I. Android Install and Use Android

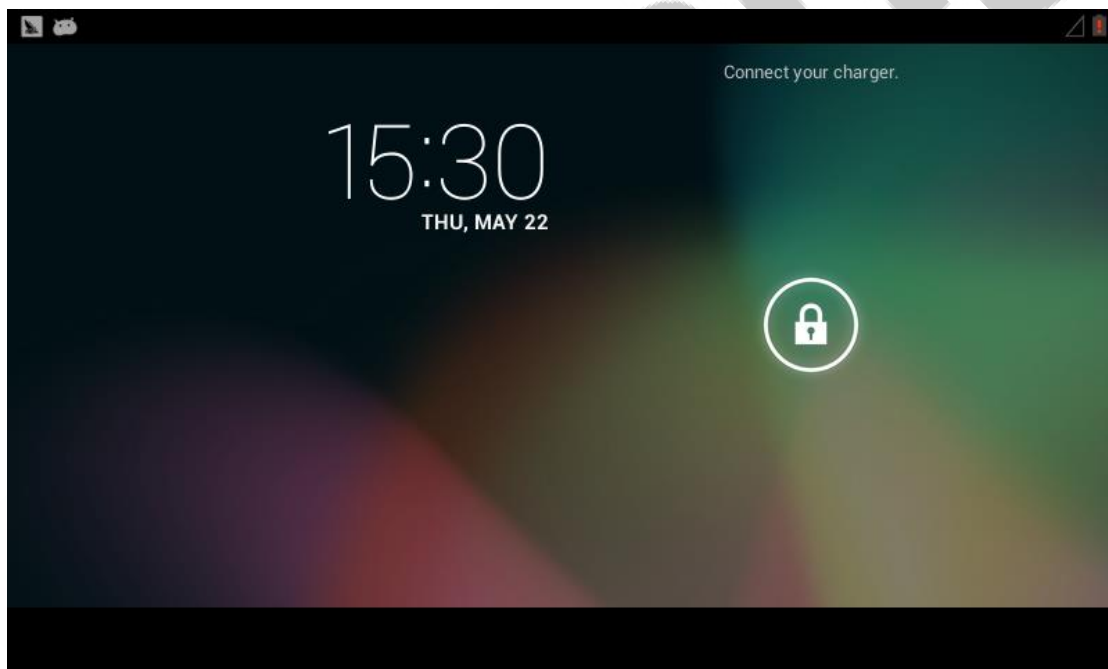
1.1 Android Install

Installation method, please refer to *QY-IMX6S Android Burning Manual.pdf*.

1.2 Touch Panel Calibration

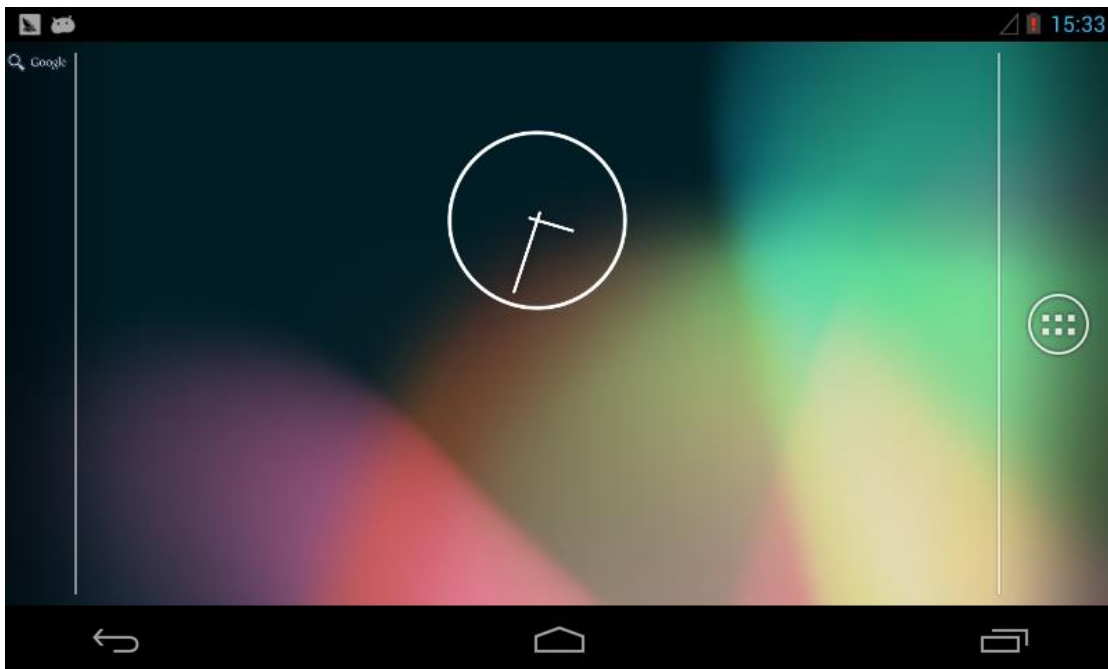
When you install Android system and first boot used, it will appear a touch panel calibration interface.

According to the tips, click crossing center in turn to make calibration, then click green point to finish calibration. After calibration, enter Android screen lock directly:



picture 1

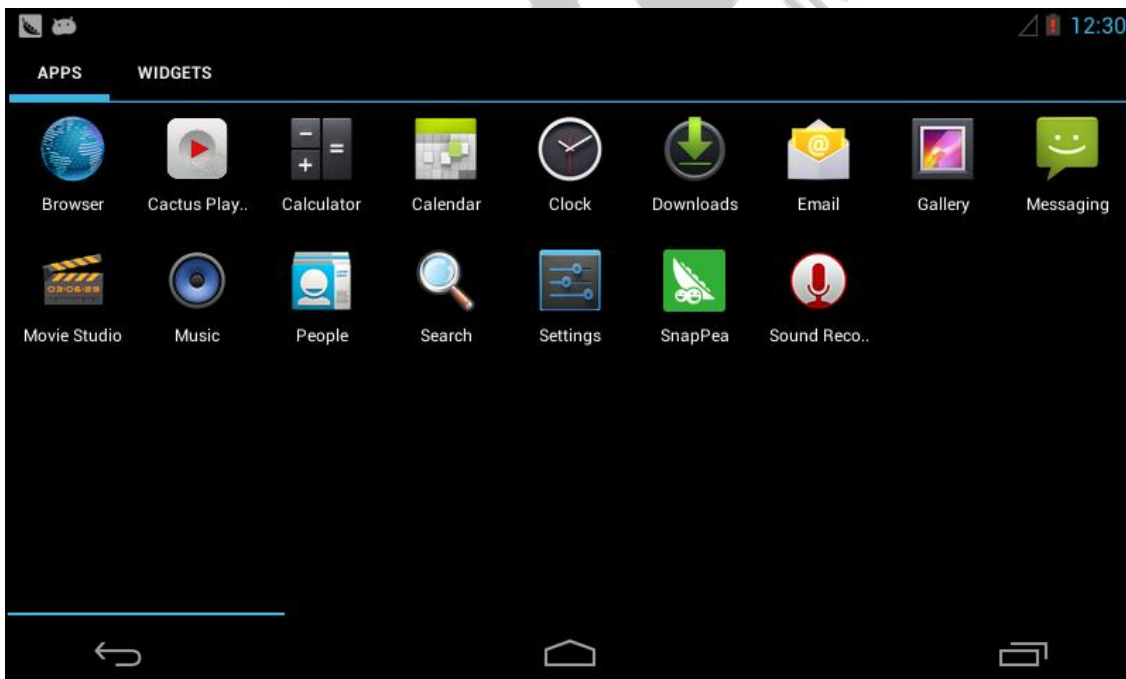
Click lock button on the interface by touch or mouse, slide outside to unlock, then enter into Android system interface:



picture 2

1.3 Main Interface Logo Description

Click menu button to enter menu interface

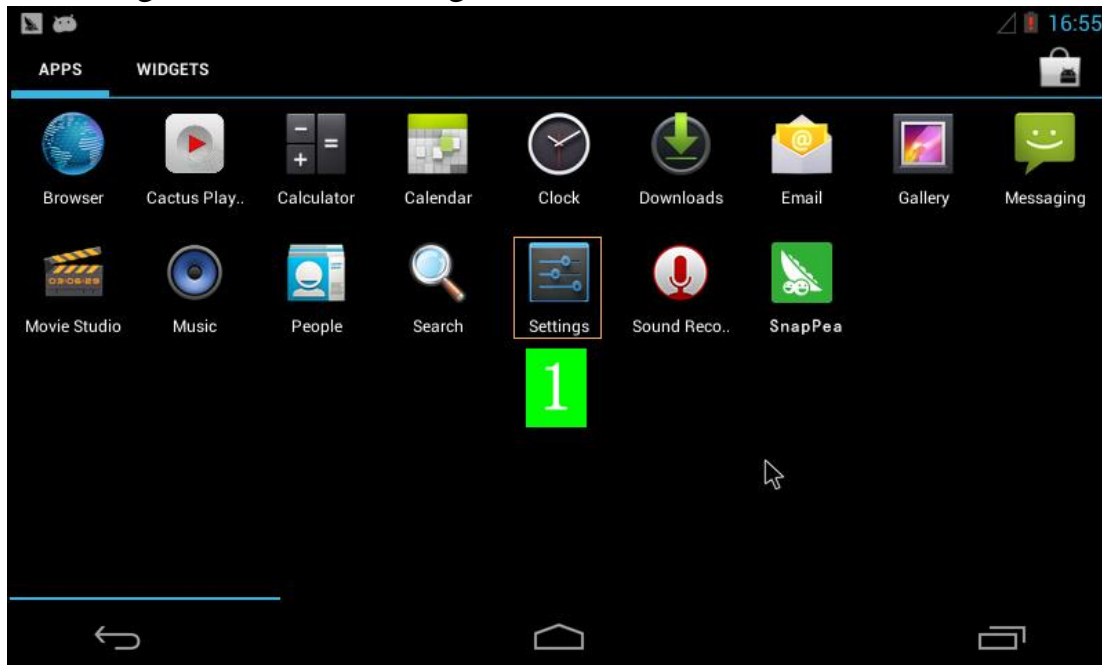


picture 3

1.4 Open USB Debug

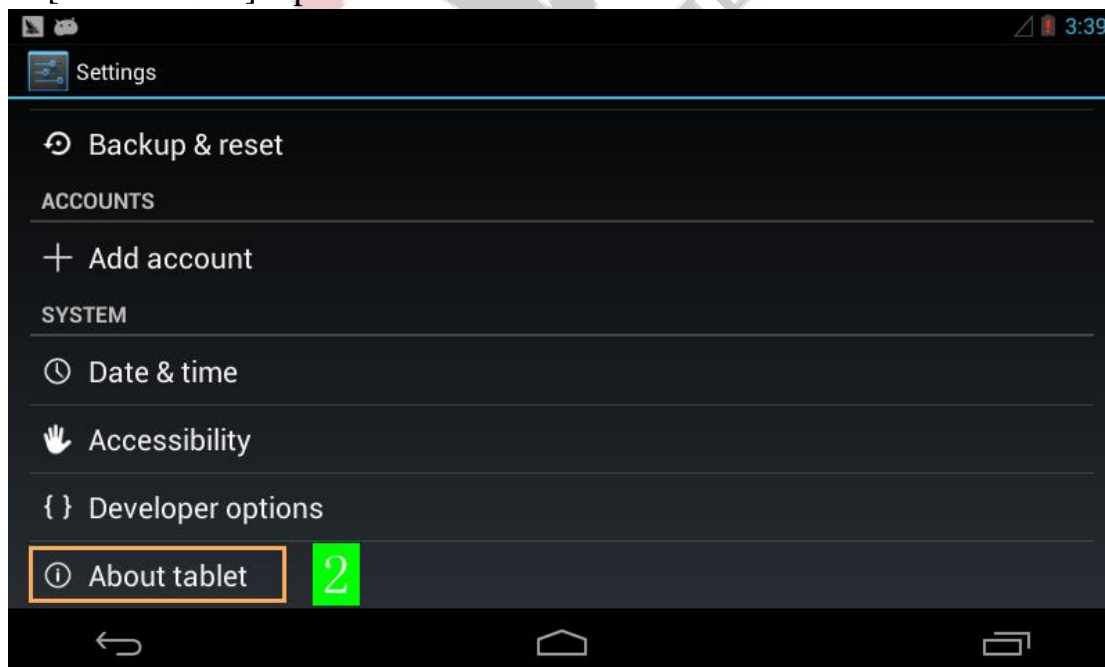
As the following picture operation,

Click [setting] to enter into setting interface:



picture 4

Click [About tablet] Option:



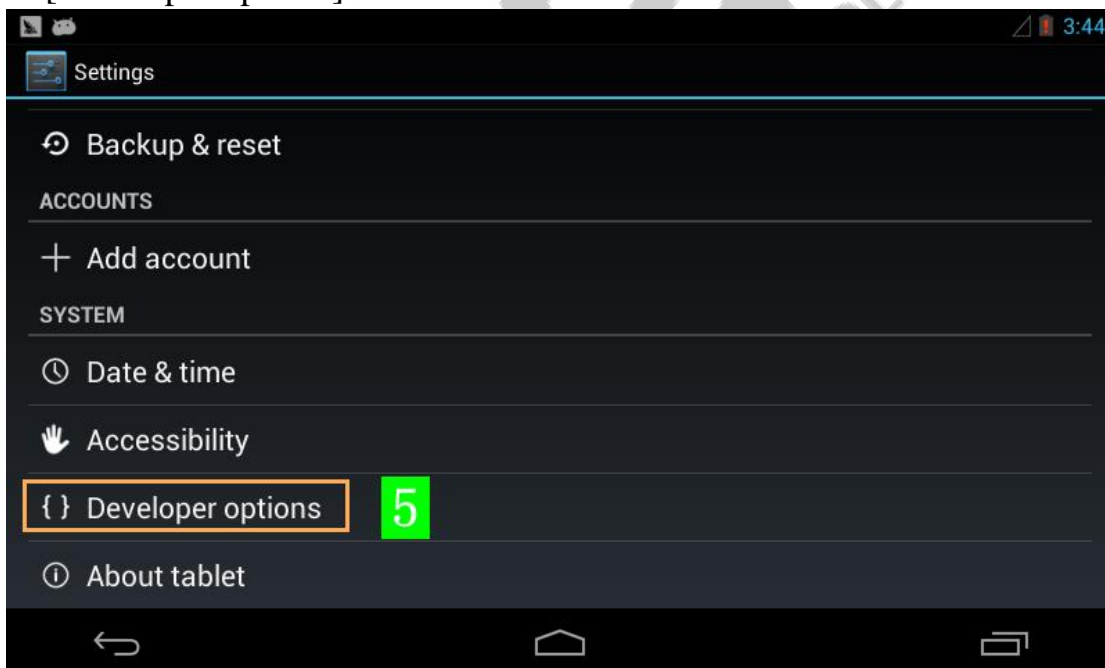
picture 5

Click [Build number] option 7times, then back to the previous level:



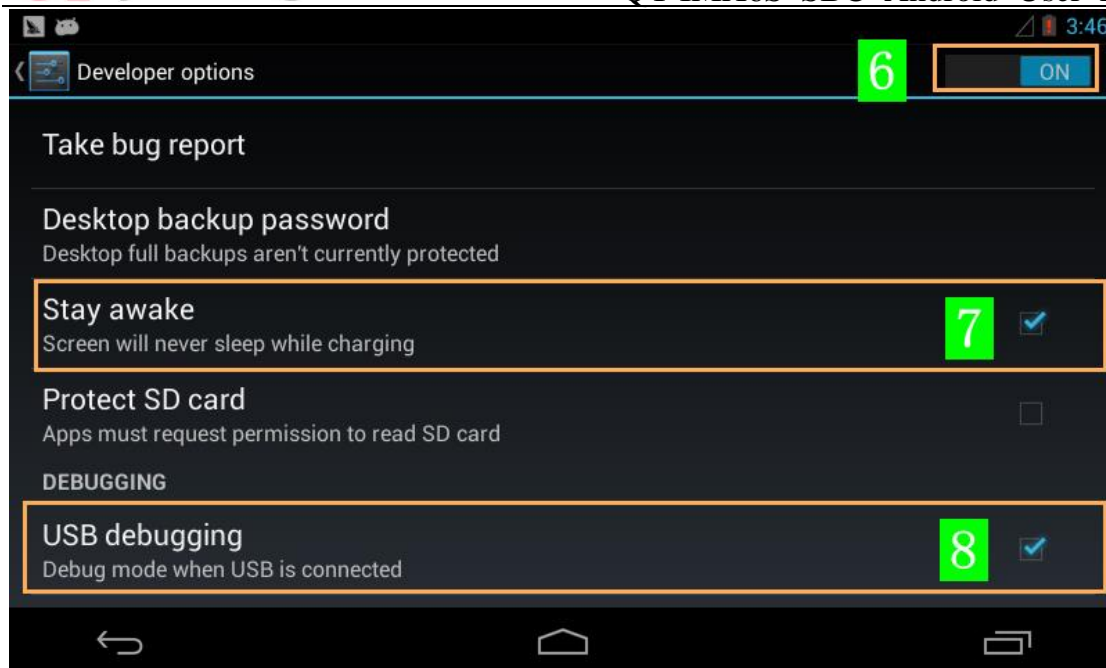
picture 6

Click [Developer options]:



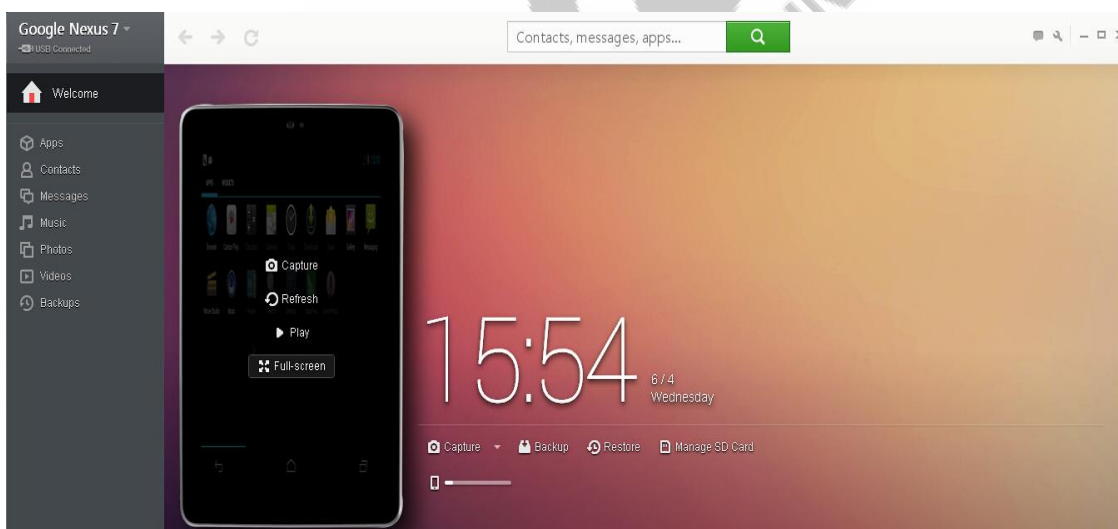
picture 7

As the following picture shows, to open the option:



picture 8

After setting, can connect to mainboard Android system through USB debugging ports. When connecting, the TFT-LCD will remind you whether allow USB debugging, click [OK] to confirm. Here we take Pea Pod program as an example:

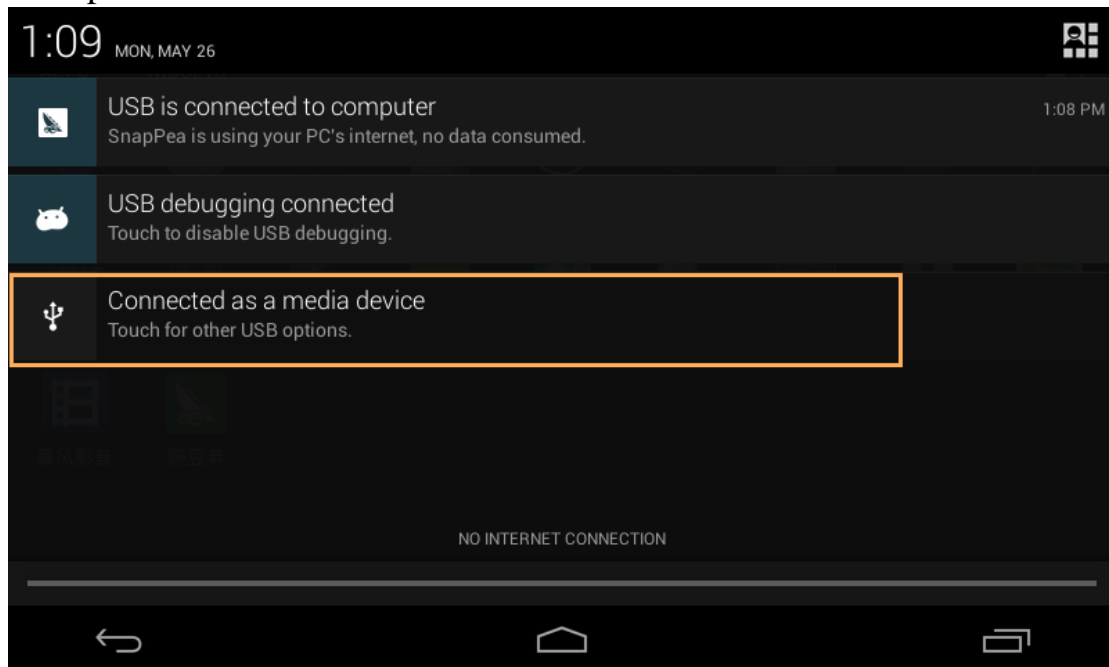


picture 9

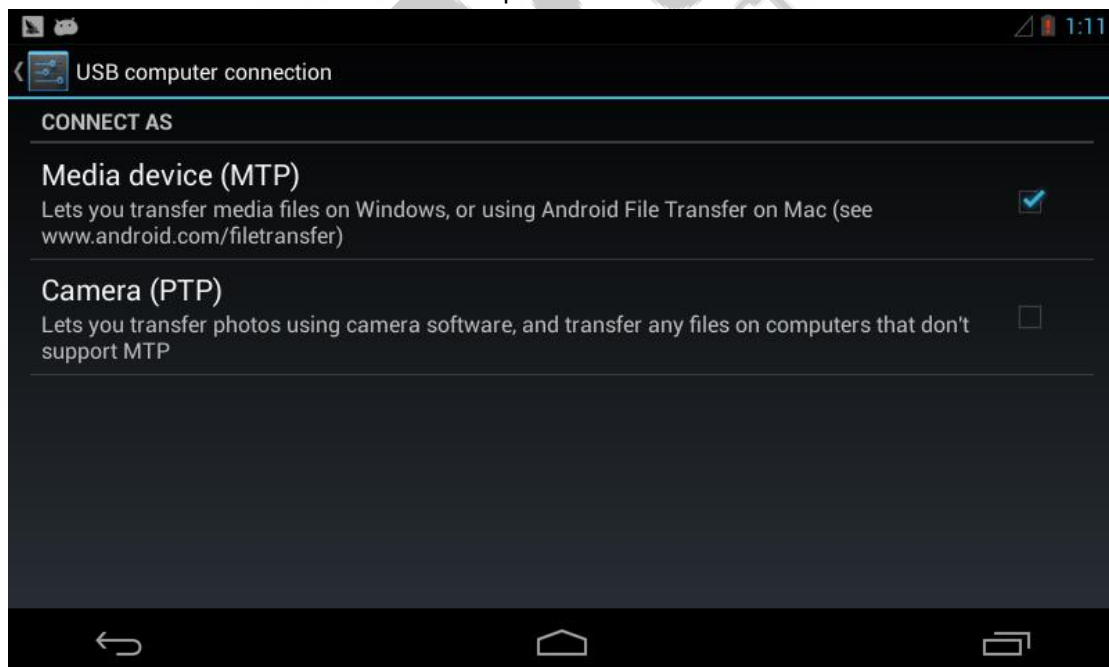
After connecting to SnapPea, the Android interface will install SnapPea APP program automatically, then you can install other APP through SnapPea, such as wechat, Skype and so on.

1.5 Use USB disk

Plug into USB disk, on the top left corner it has tips, drop-down the top taskbar, select the option: connected as a media device

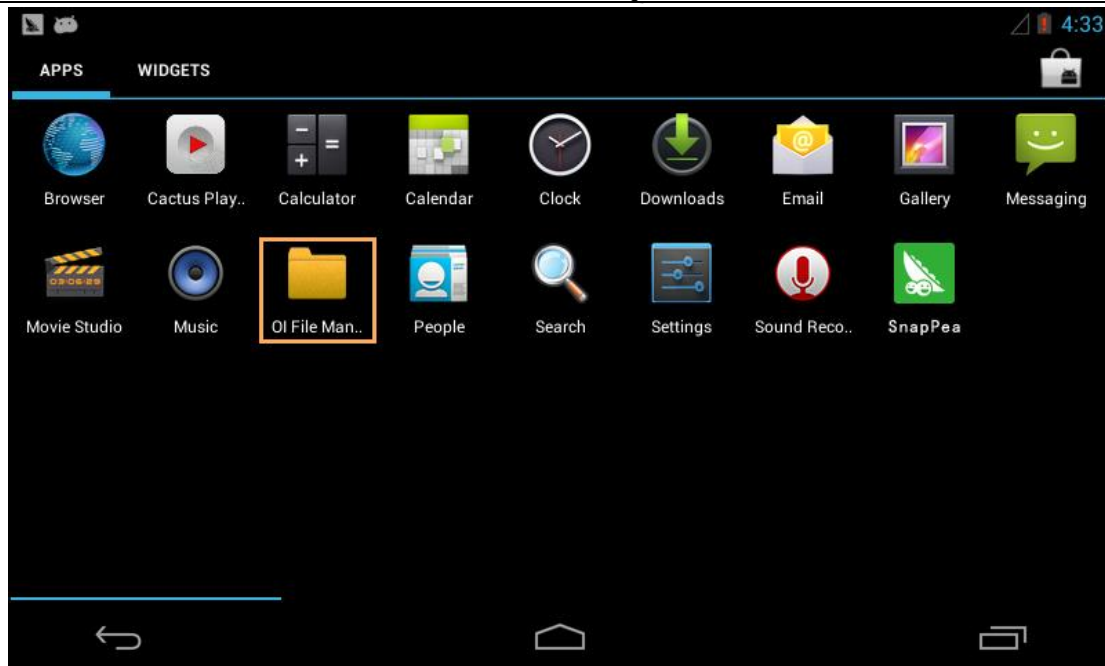


picture 10



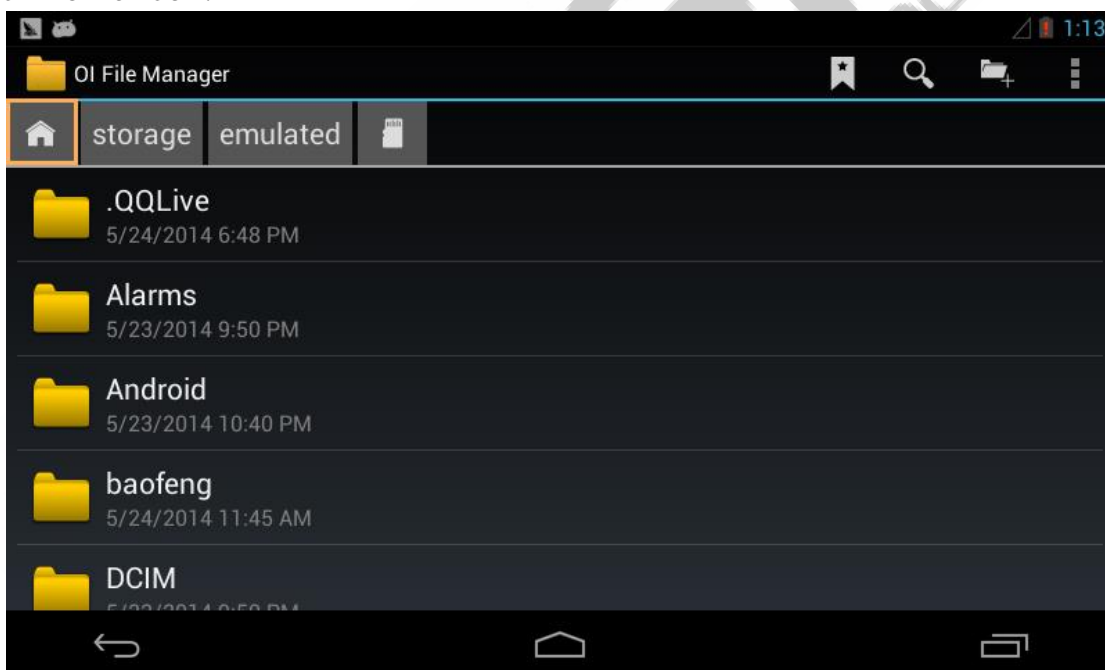
picture 11

Back to menu interface, click [OI File Manager].



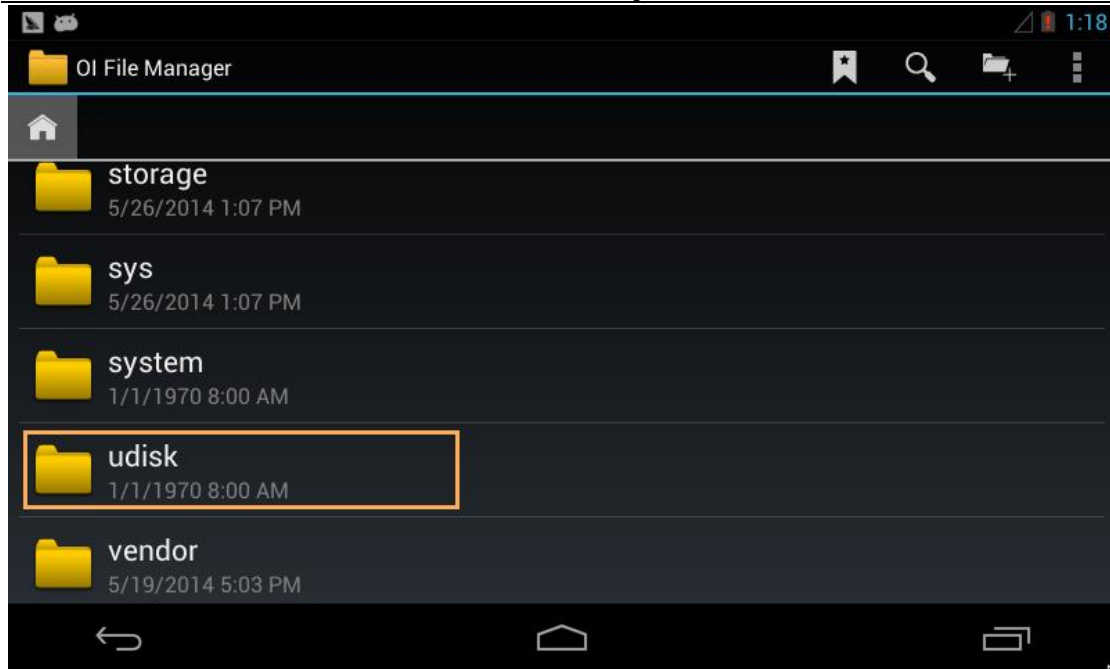
picture 12

Click home Icon:

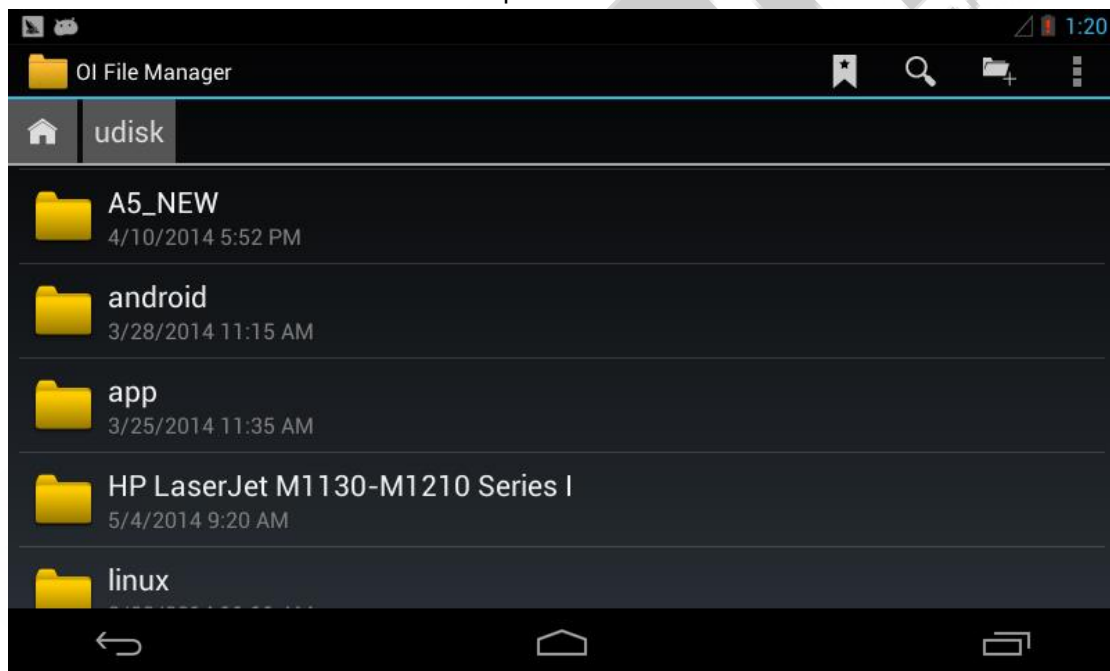


picture 13

Then click folder [udisk], you can see the USB file content:



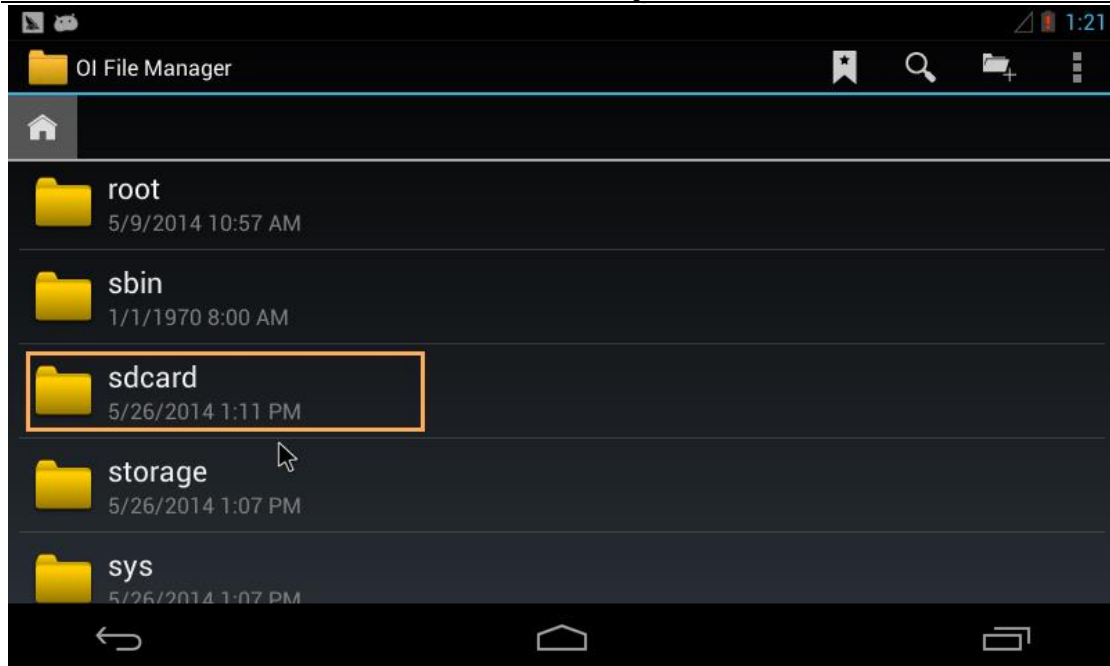
picture 14



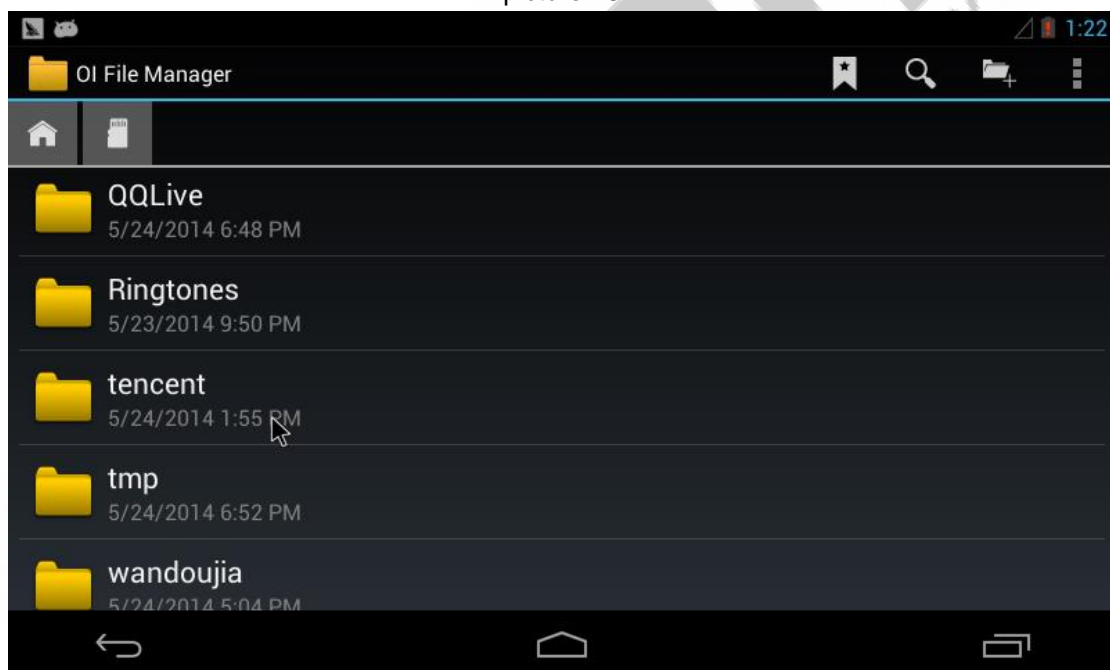
picture 15

1.6 USD SD Card

Steps like the USB disk use manual, SD card locates in folder [sdcard], click and enter into this folder to check the SD card content:



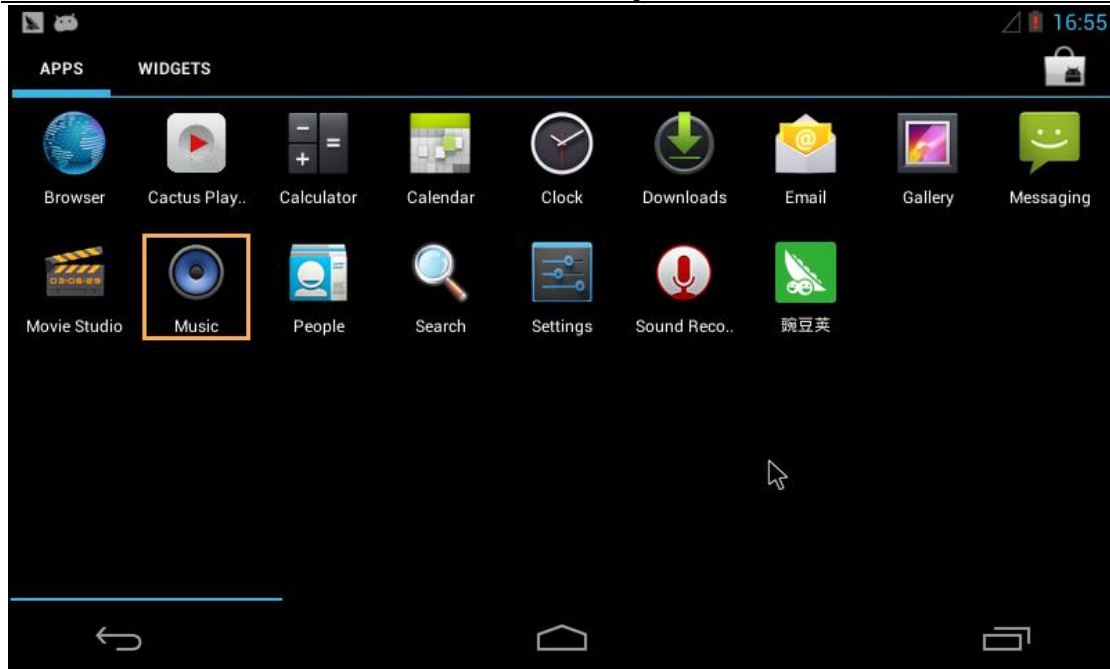
picture 16



picture 17

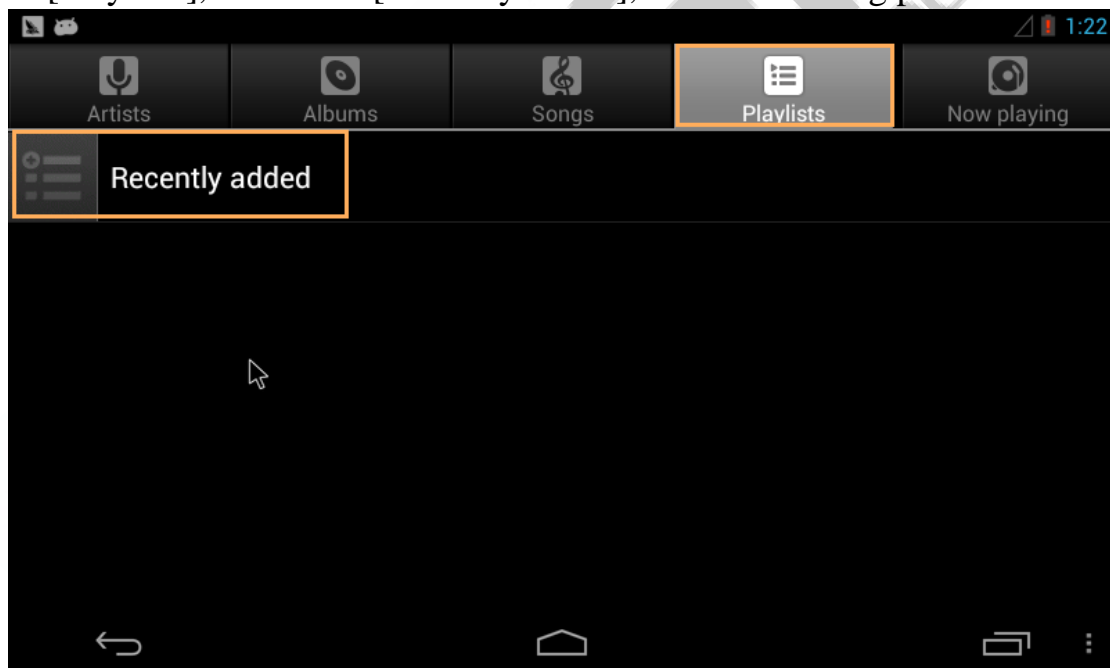
1.7 Play mp3

Put audio file to USB disk or SD Card, plug to mainboard to recognize multi-media device, open menu interface [Music]player:



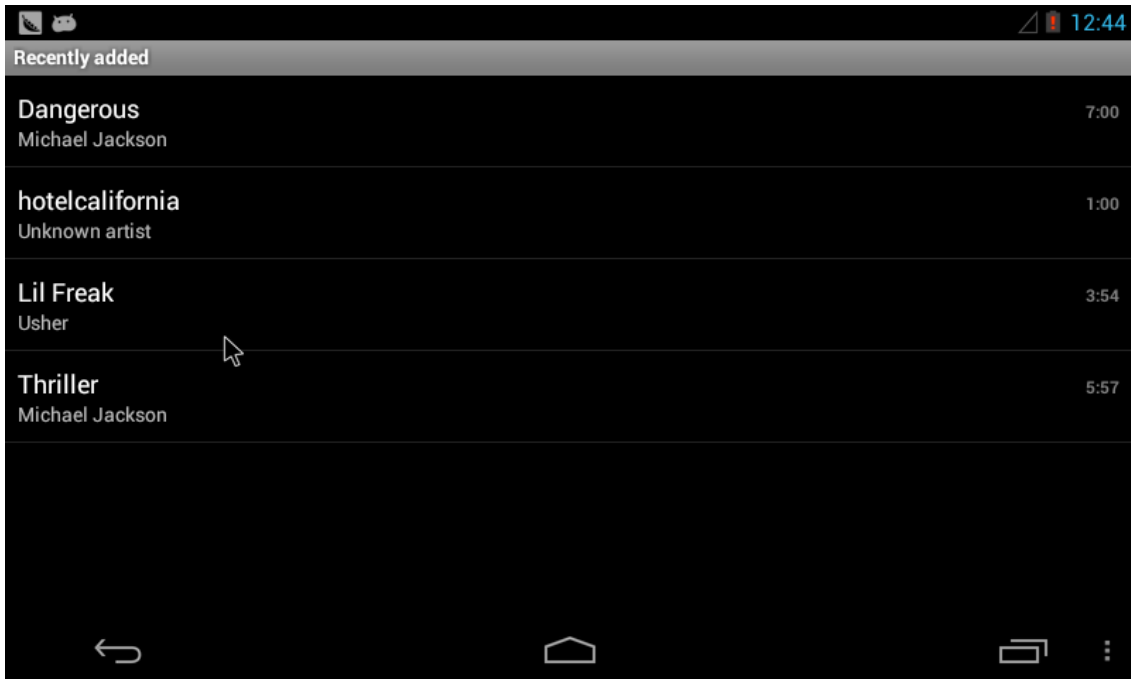
picture 18

Click [Playlists], then click [Recently added], as the following picture shows:



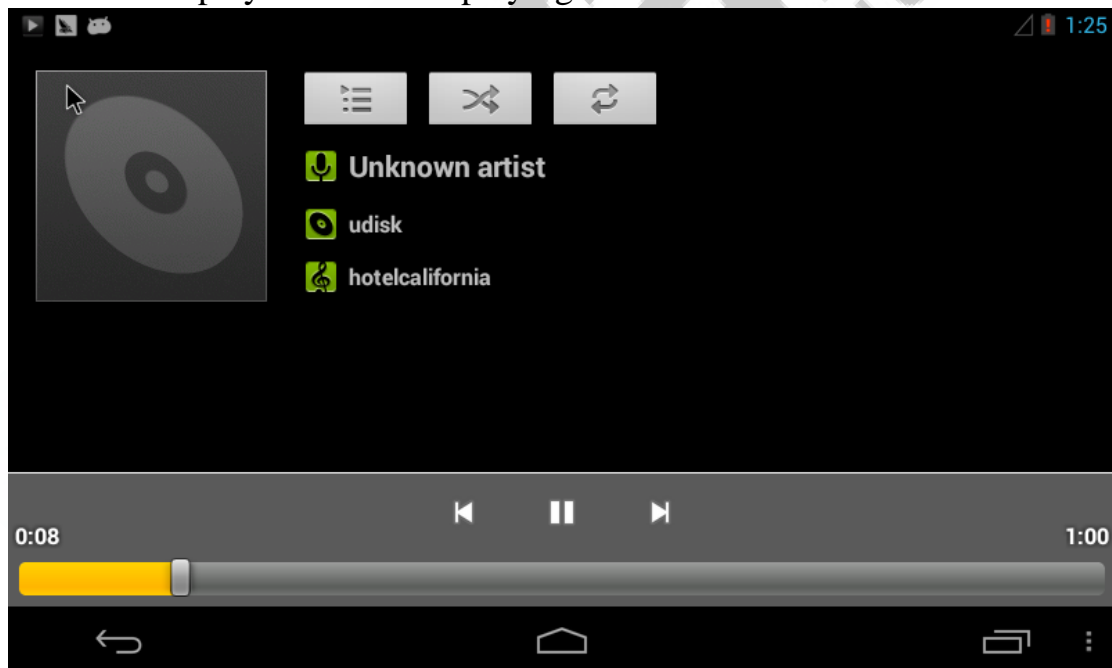
picture 19

It will appear USB disk or SD Card Audio file list, as the following picture shows:



picture 20

Click audio file play to enter into playing interface:



picture 21

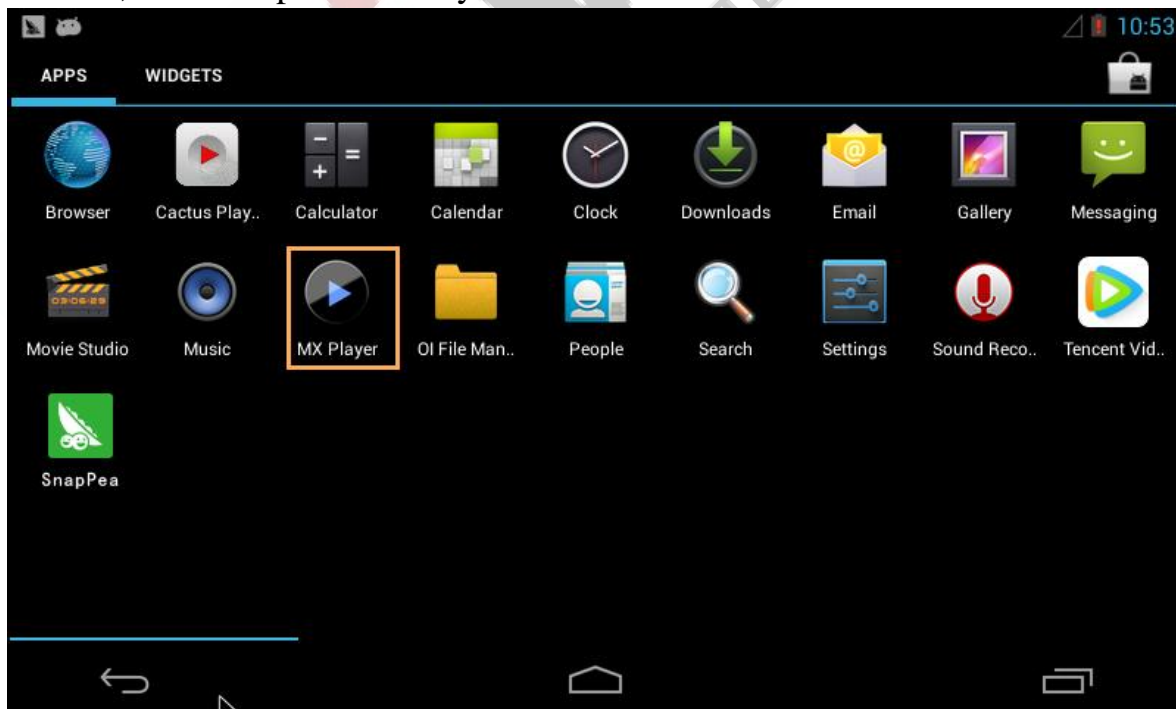


picture 22

The player can make normal play control.

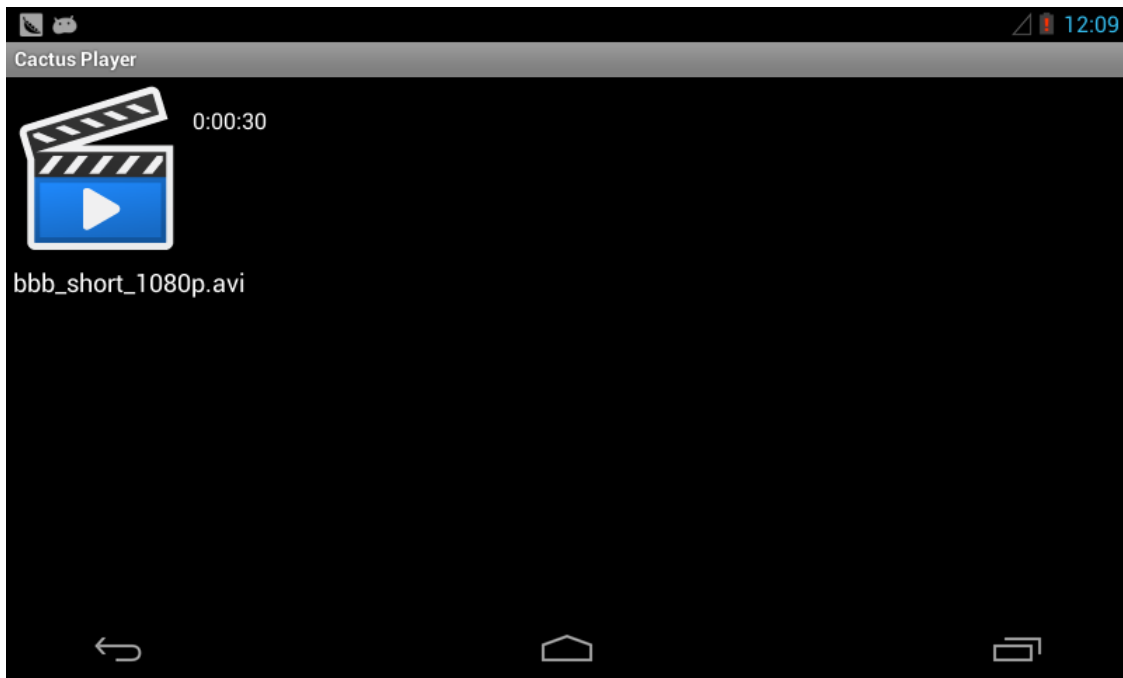
1.8 Play Video

Here install a program [MX Player] to play video through Pea Pod, after installation, click to open MX Player:



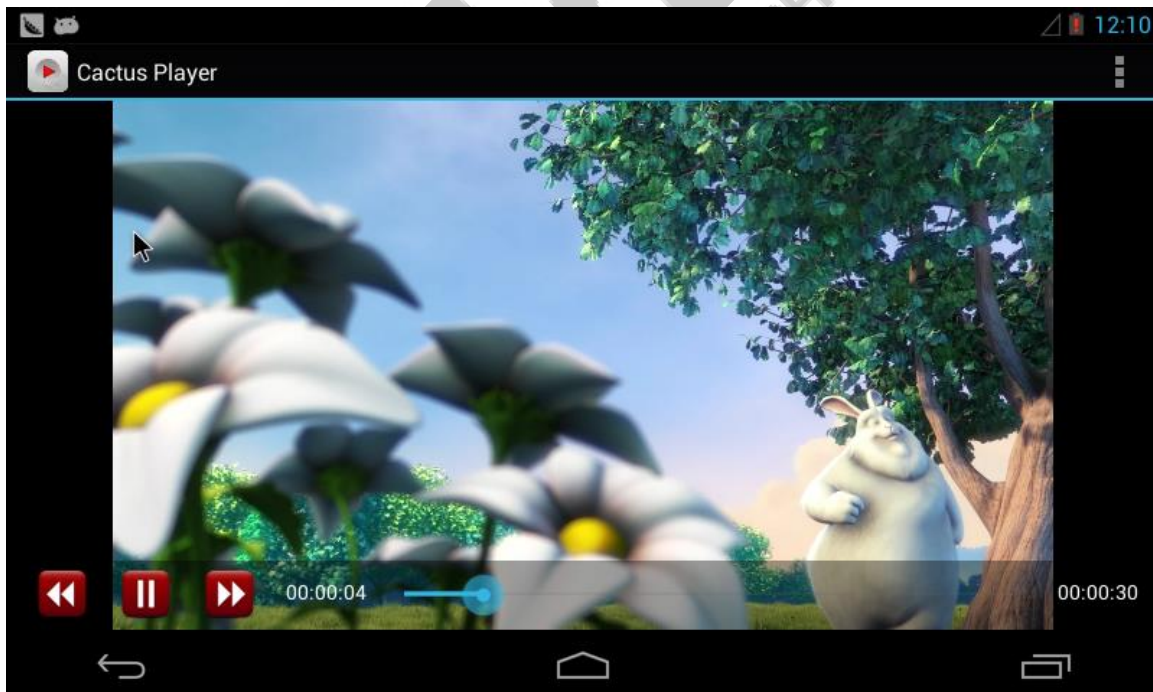
picture 23

Appear USB disk video file information:



picture 24

Click to enter into USB disk folder, you can see all the video file in the USB disk.



picture 25

Click video file play:

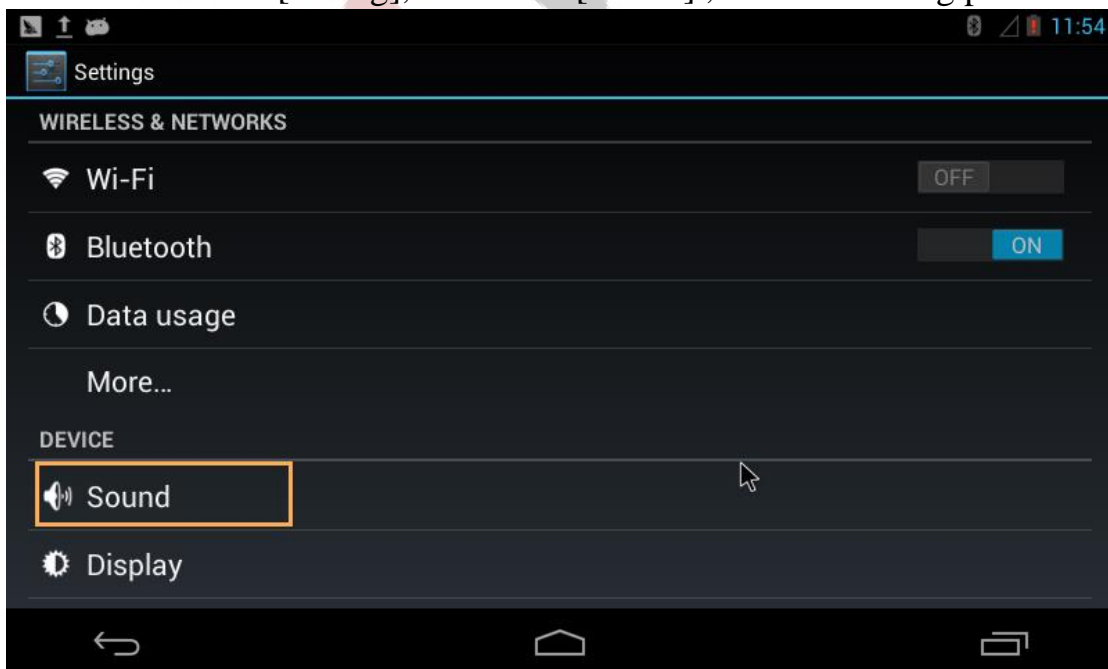


picture 26

In the video player, it can have normal video play control.

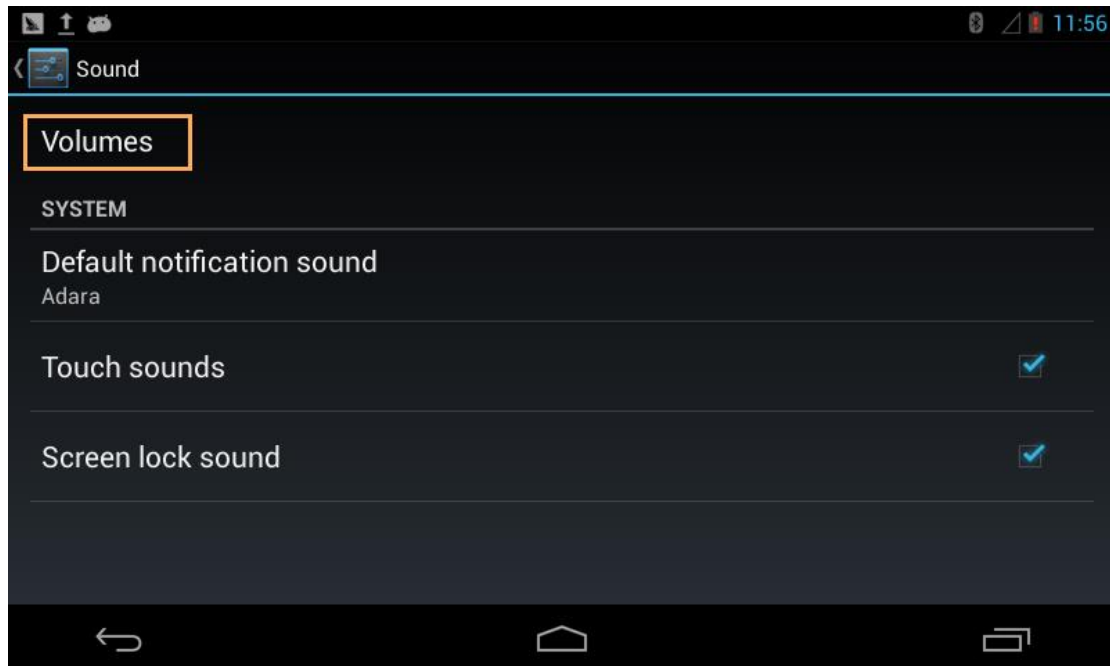
1.9 Adjust Volume

Click menu interface [setting], then click [Sound] ,as the following picture shows:



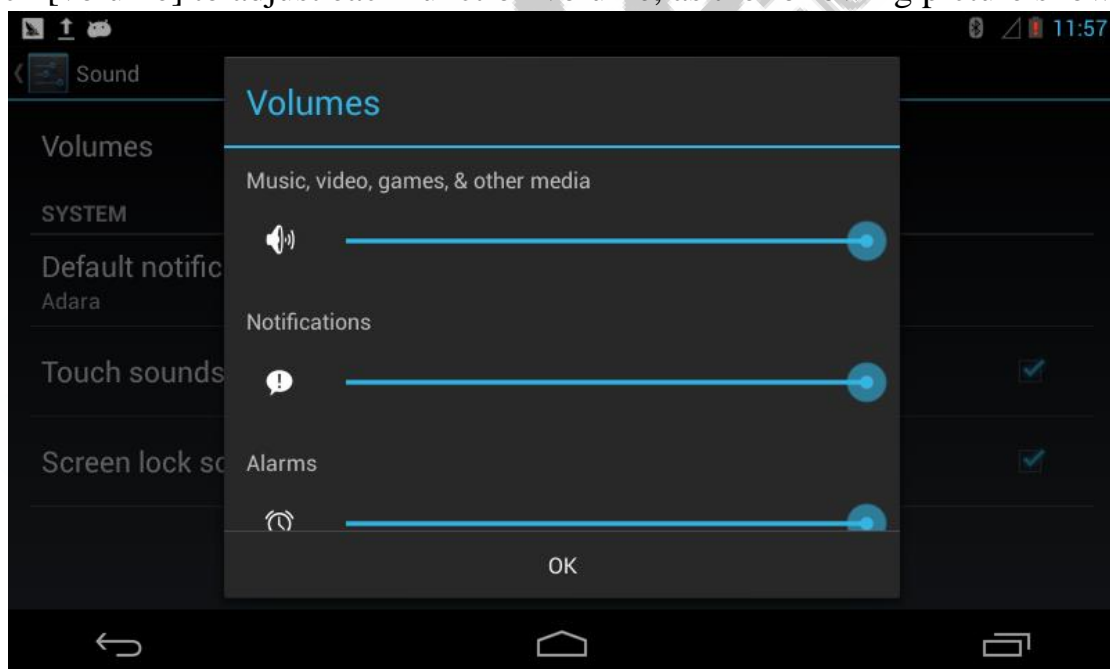
picture 27

Here can set [touch sound] and [screen lock sound]:



picture 28

Click [volume] to adjust each function volume, as the following picture shows:

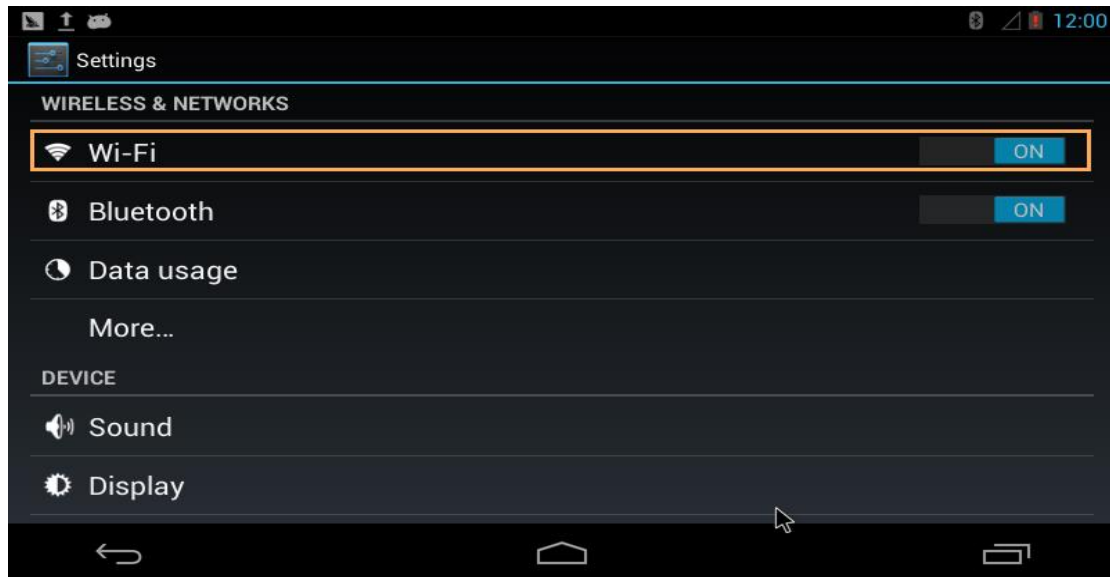


picture 29

1.10 Use Wifi Module

Defaulted system support our company standard wifi module, connect to wifi module and power on mainboard to start Android system.

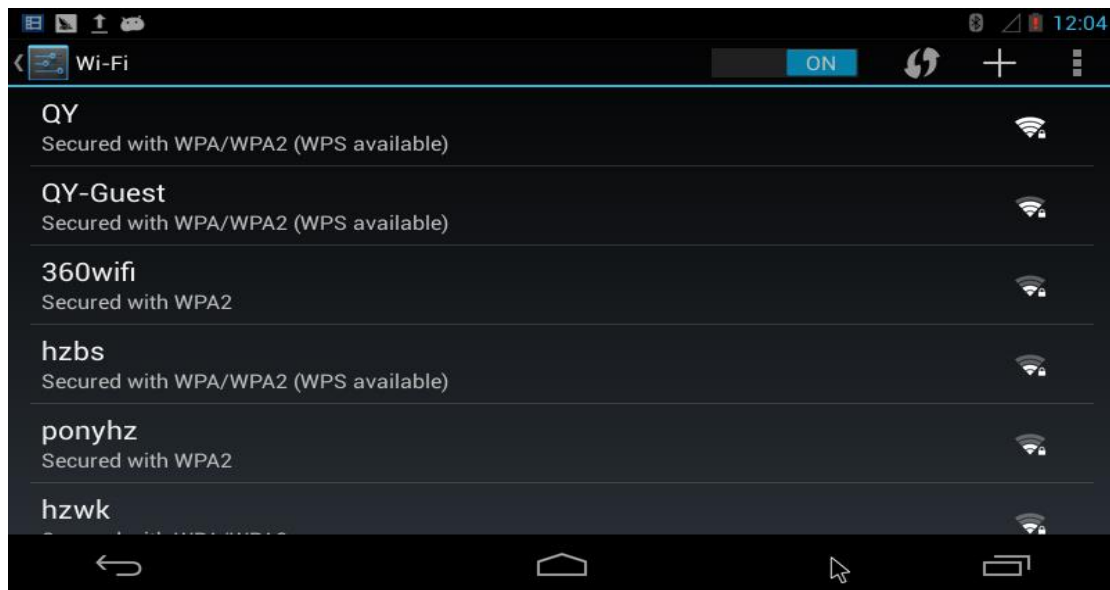
Click menu image [setting], open [Wi-Fi] setting as follows:



picture 30

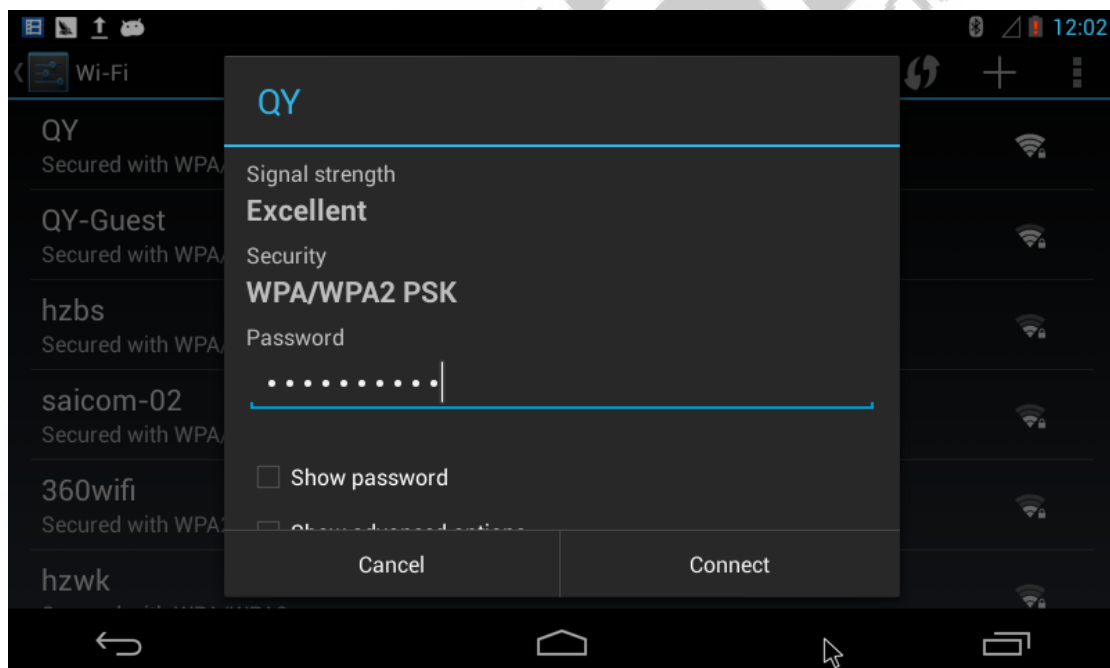
1.10.1 Wifi Wireless Network

After opening, select [WIFI]. Then you will find that the wifi module is searching for the nearby wifi AP signal, as follows:



picture 31

Here, take an example of [QY]SSID , click [QY]SSID, type wifi establish connection:



picture 32

Click [connect], then make authentication, after pass authentication, on the right top corner of the screen, it will has a wifi connection logo ,as the following picture shows:



After connected smoothly, open browser to test wifi network function as follows:

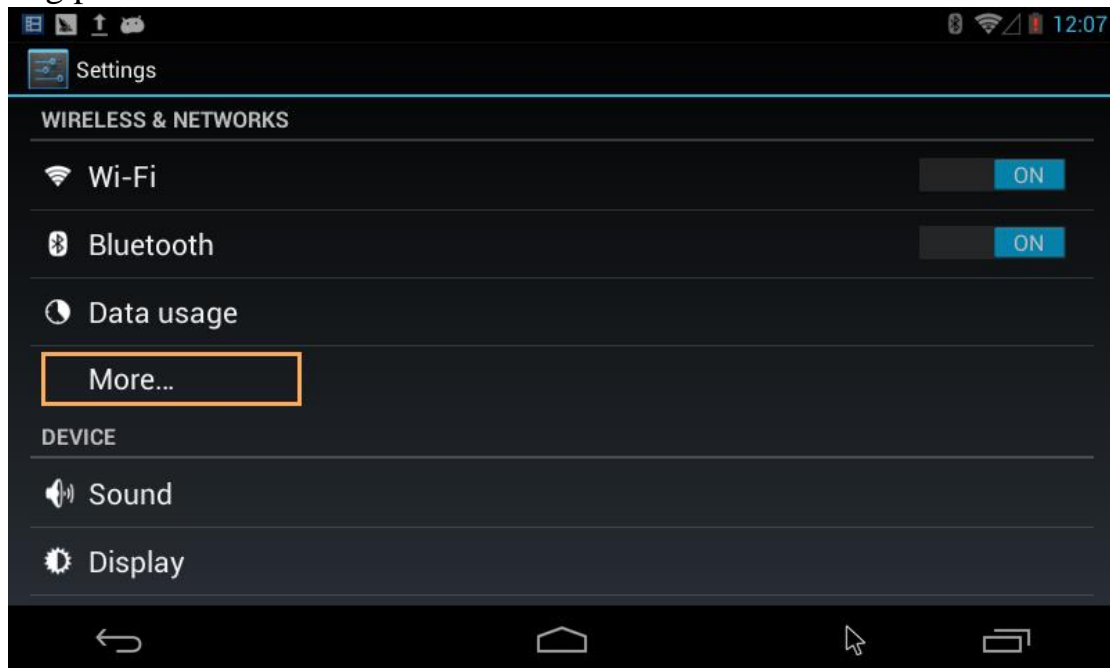


picture 33

1.10.2 wifi AP setting

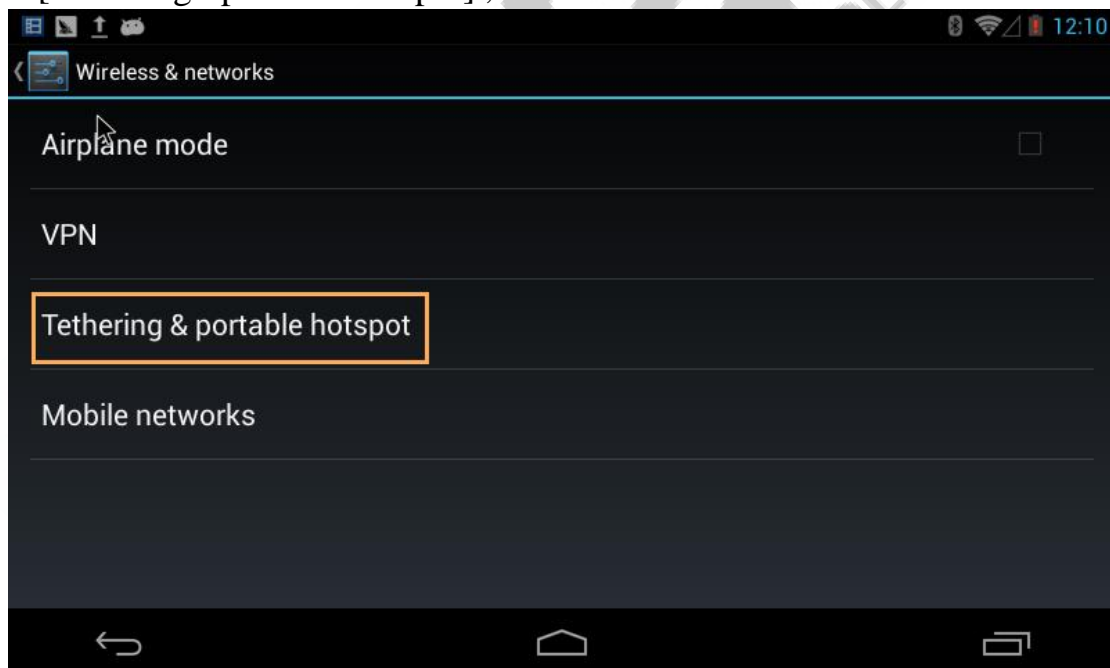
Click [settings] interface's [WIRELESS&NETWORKS]parts [More...],as the

following picture shows:



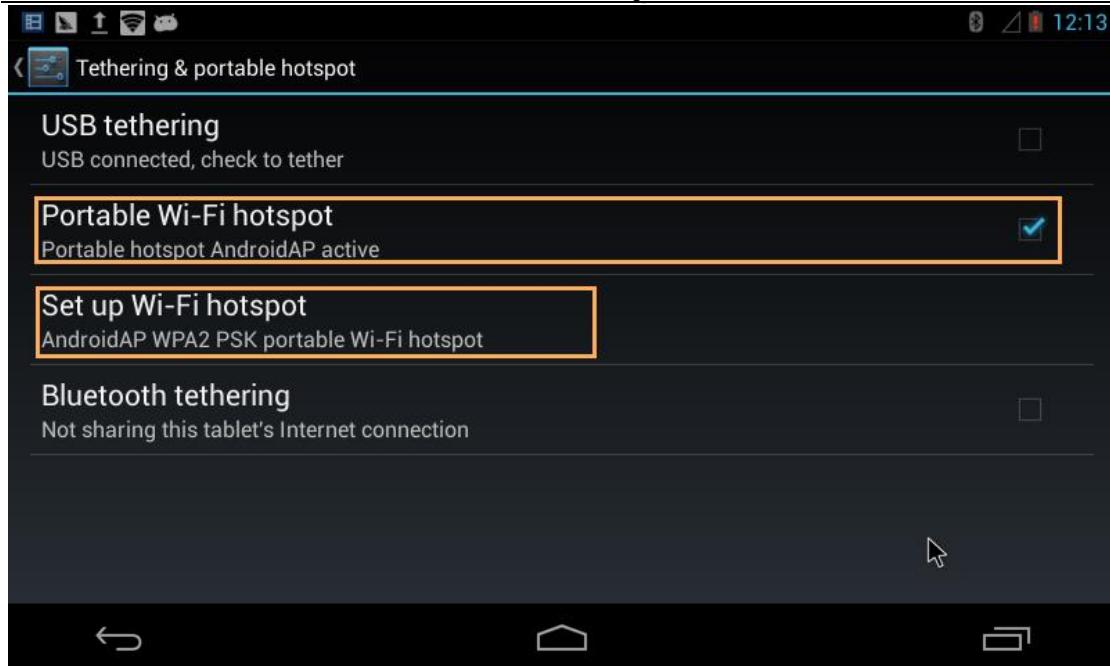
picture 34

Click [Tethering & portable hotspot] ,as shown:



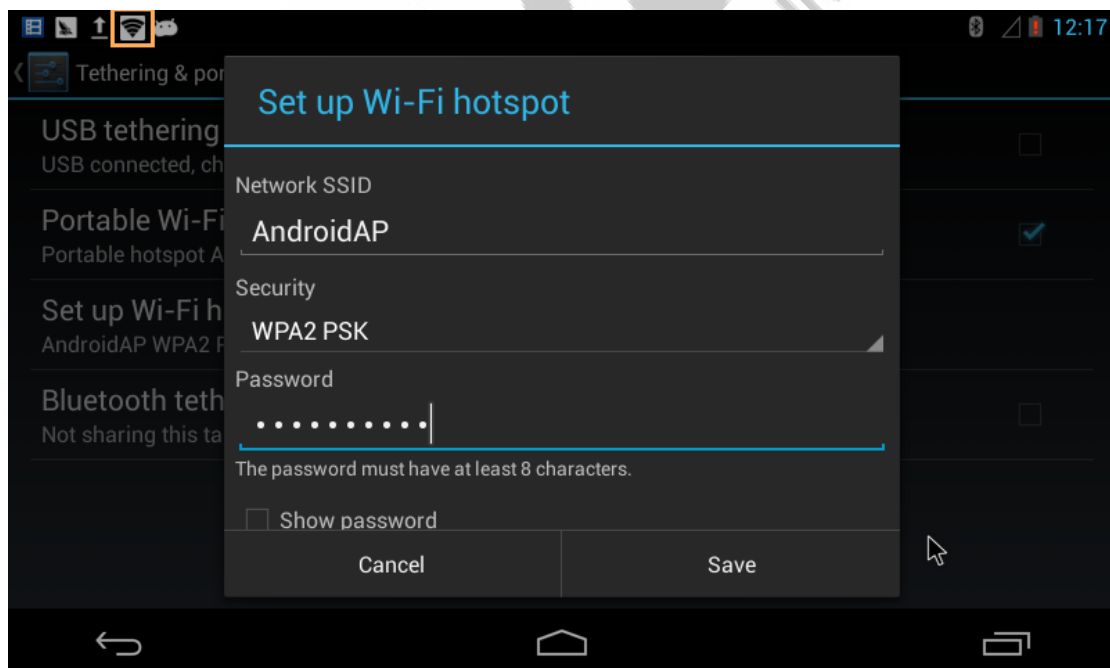
picture 35

Select [Portable Wi-Fi hotspot], then click [Set up Wi-Fi hotspot] as shown:



picture 36

Set network SSID, Security, Hot-pot keywords, click [save], as the following picture shows:



picture 37

After finish setting, the top left corner will appear a hot-pot logo, like the above

picture:

Then in the phone you can search “AndroidAP” hot-spot like the following picture shows:



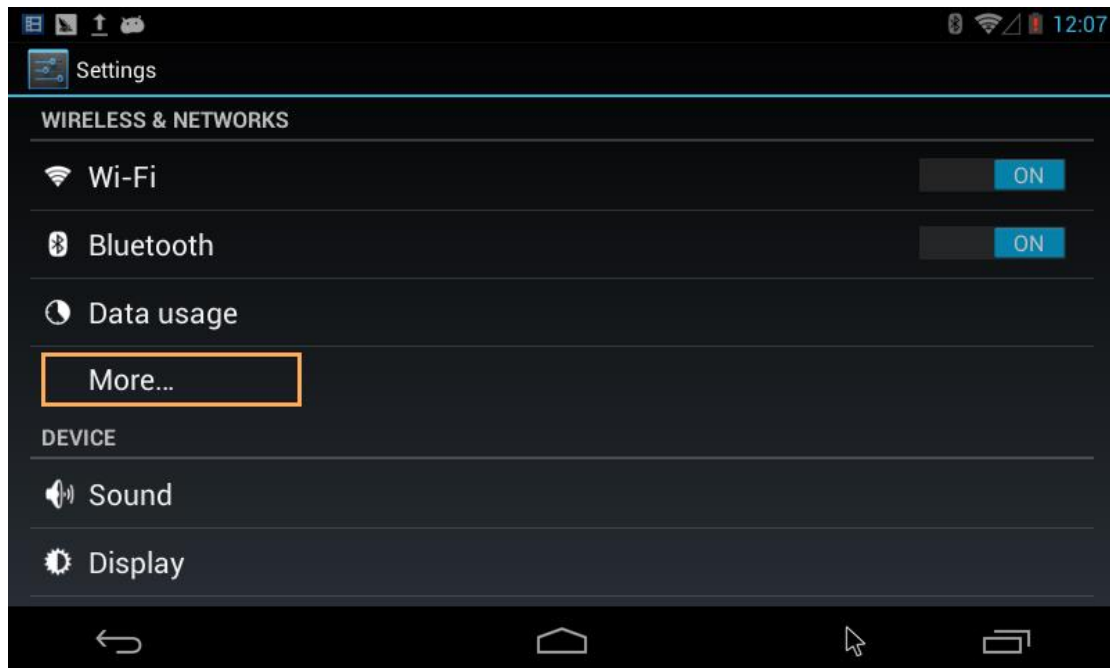
picture 38

Connect mainboard and phone wireless network through setting keywords.

1.11 3G Network Card

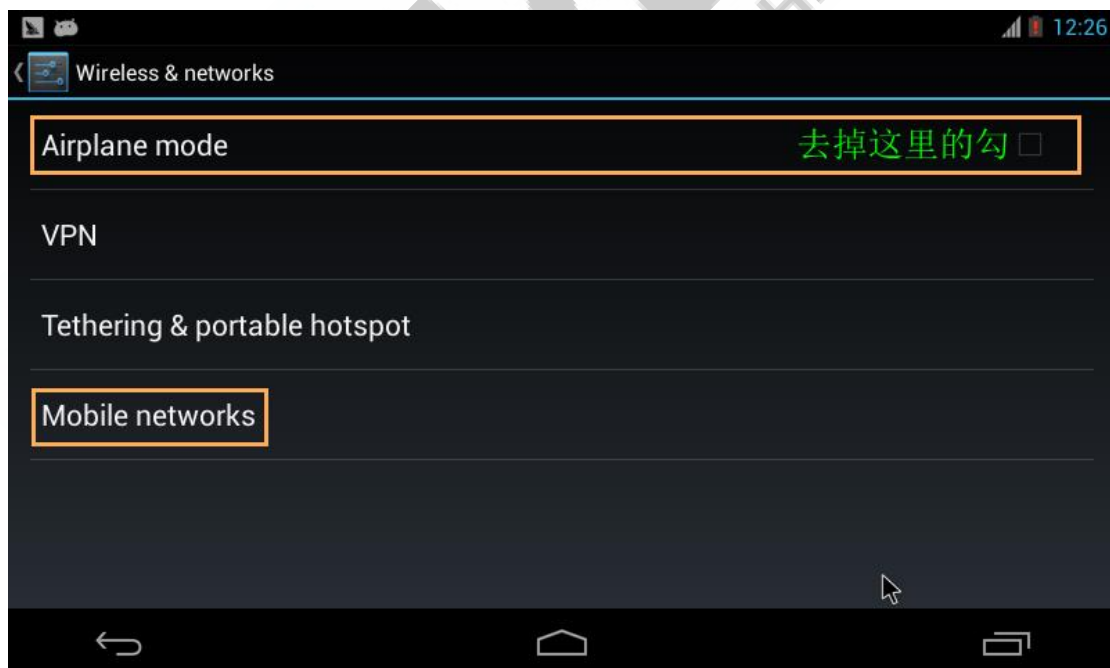
Defaulted system support our company standard 3G module, connect to 3G module and SIM Phone Card, mainboard power on, then boot Android system.

Click menu interface [setting], then click wireless and network [More...]option.



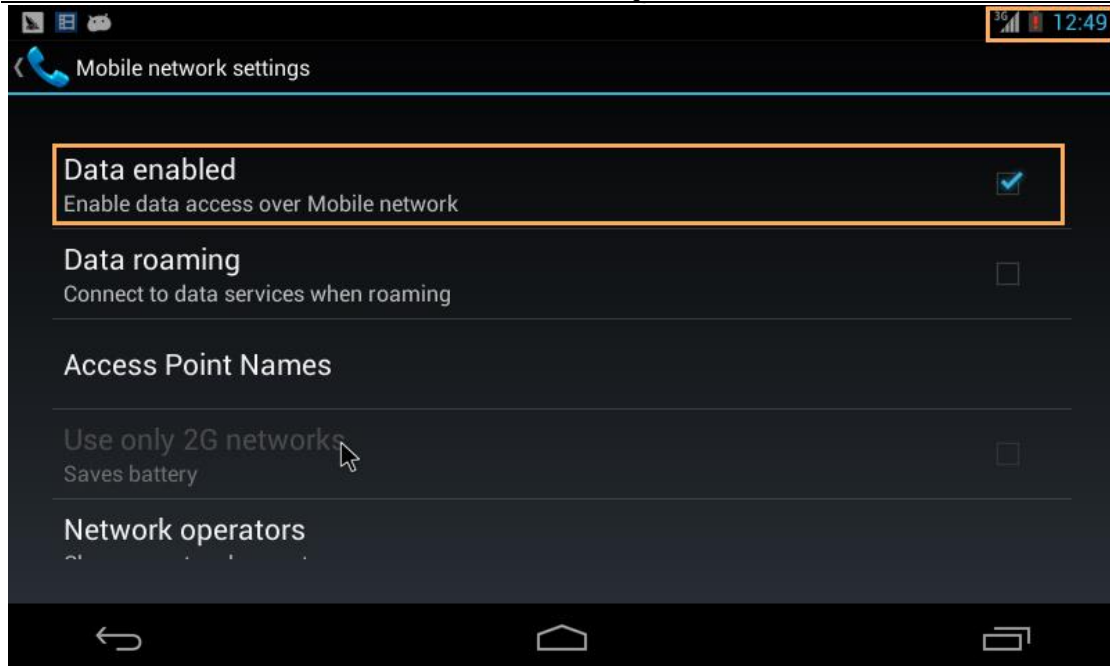
picture 39

Remove [airplane mode], then click [mobile networks]:



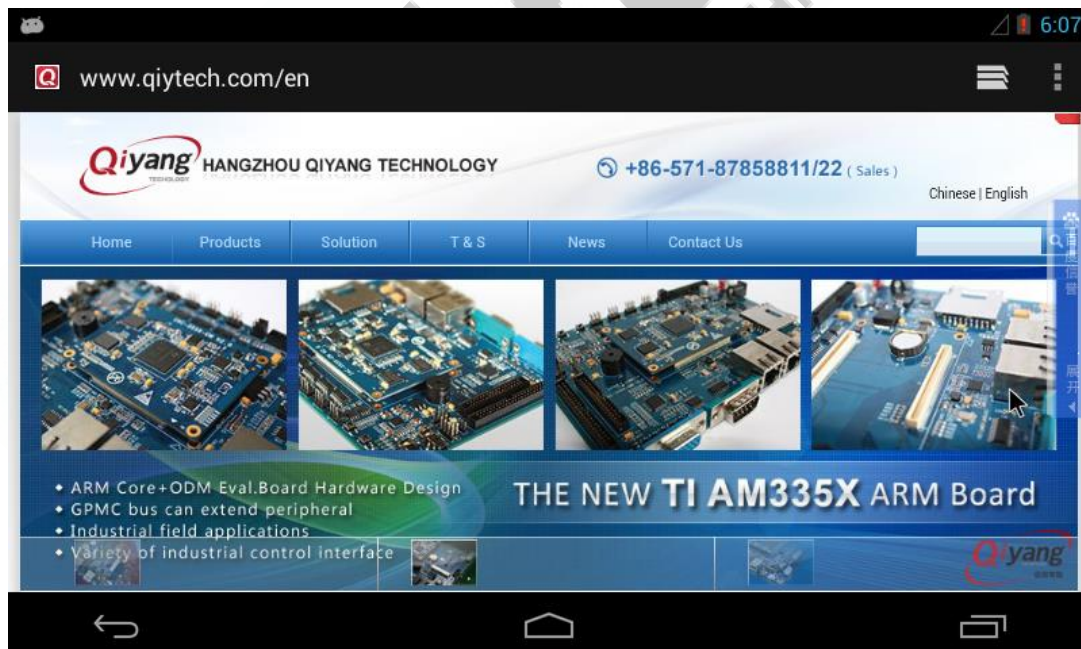
picture 40

Select [Data enabled], as follows;



picture 41

Wait for dial-up, then you can see the 3G signal on the right top corner of the screen, then open browser to test 3G dial-up network function:

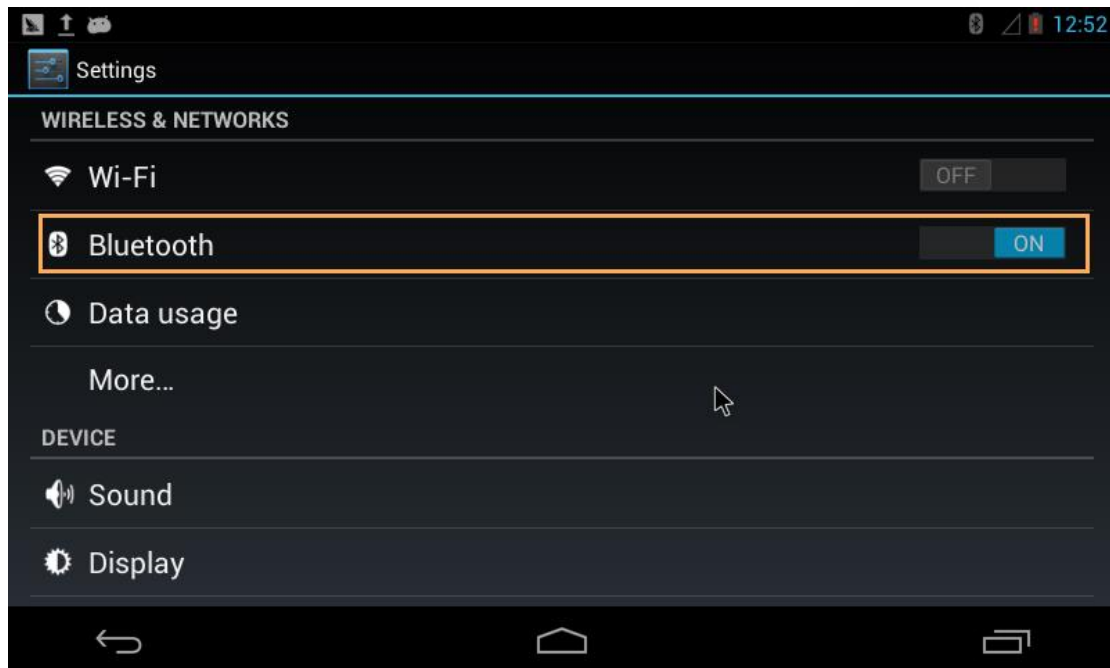


picture 42

1.12 Use USB Bluetooth

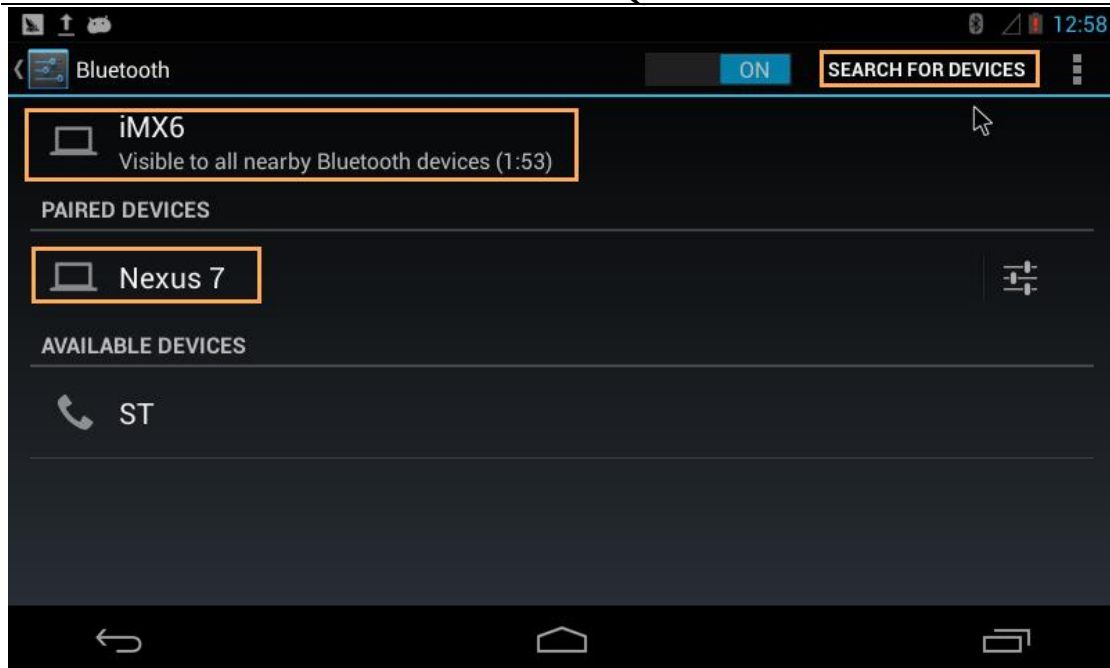
1.12.1 Bluetooth Pairing

Click menu interface [settings], open Bluetooth as follows:



picture 43

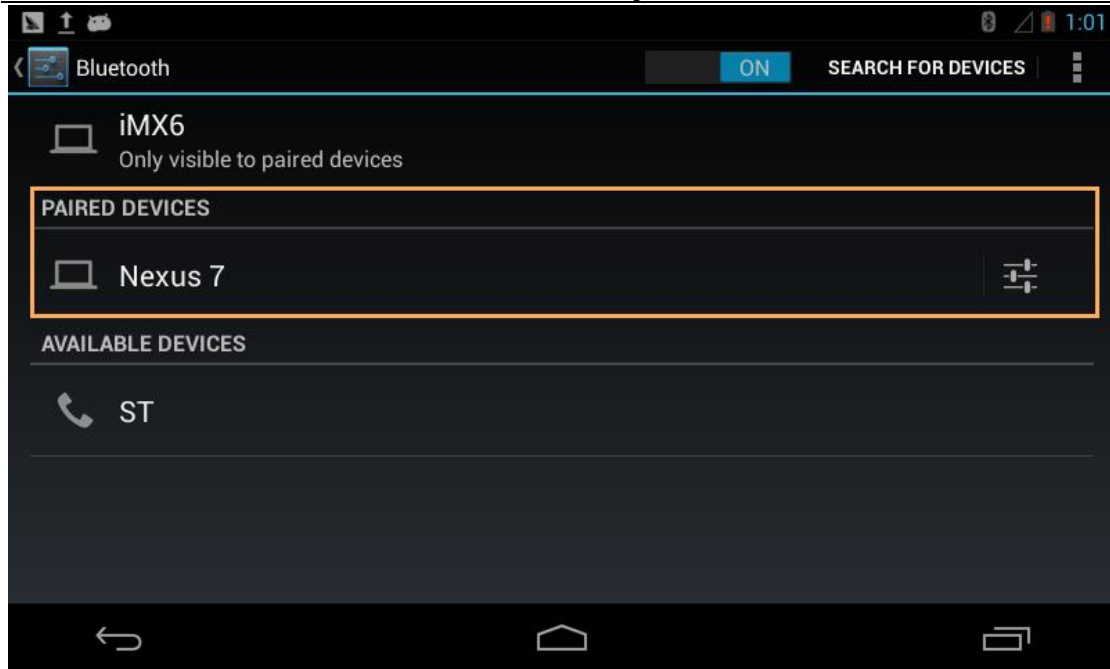
Click [Bluetooth]option, you can find the nearby opening bluetooth device, if do not search out automatically, click the top right corner “SEARCH FOR DEVICES” to search as follows:



picture 44

Click [iMX6] option to make the nearby bluetooth device to find the mainboard bluetooth.

Here you can find phone bluetooth device “Nexus 7”, click “Nexus 7” to make bluetooth pairing, pairing successfully will be as the following picture shows, paired device:

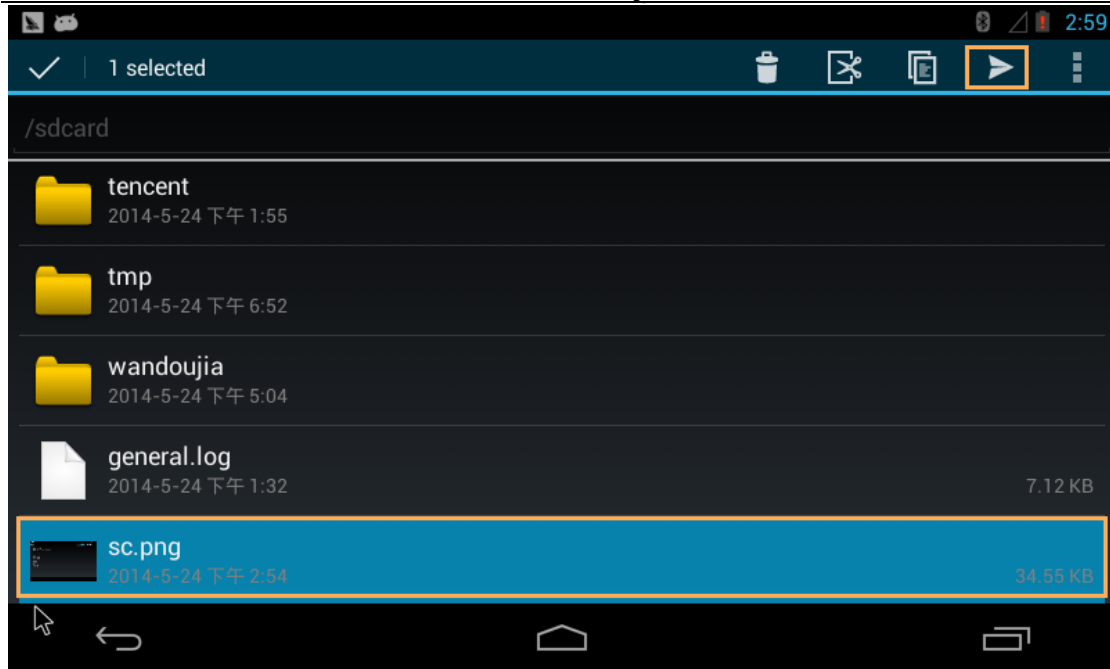


picture 45

1.12.2 Use Bluetooth to transmit file

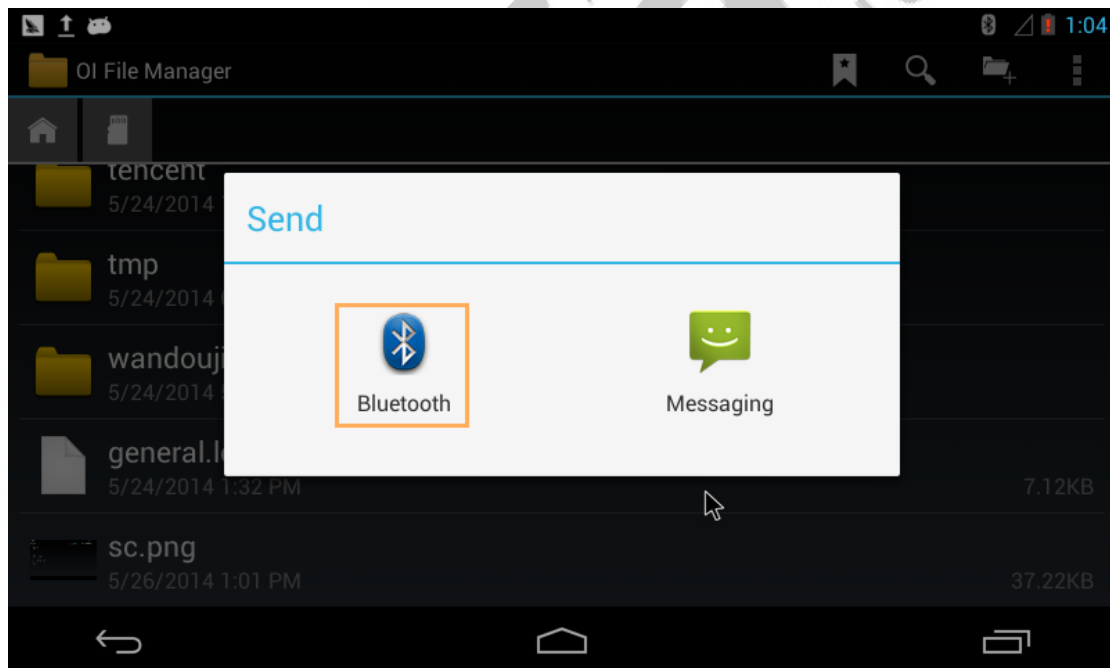
After pair successfully, the bluetooth can be used to transmit files.

Click file need to be transmitted, then click the right top corner sending logo, as follows:



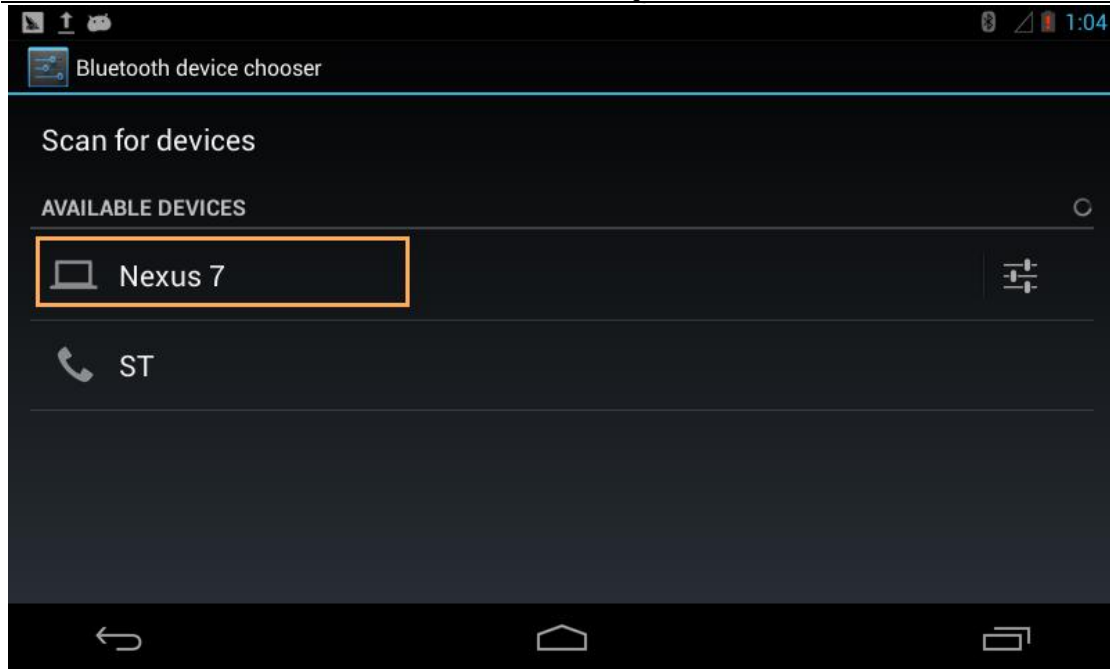
picture 46

Select bluetooth to send as shown:



picture 47

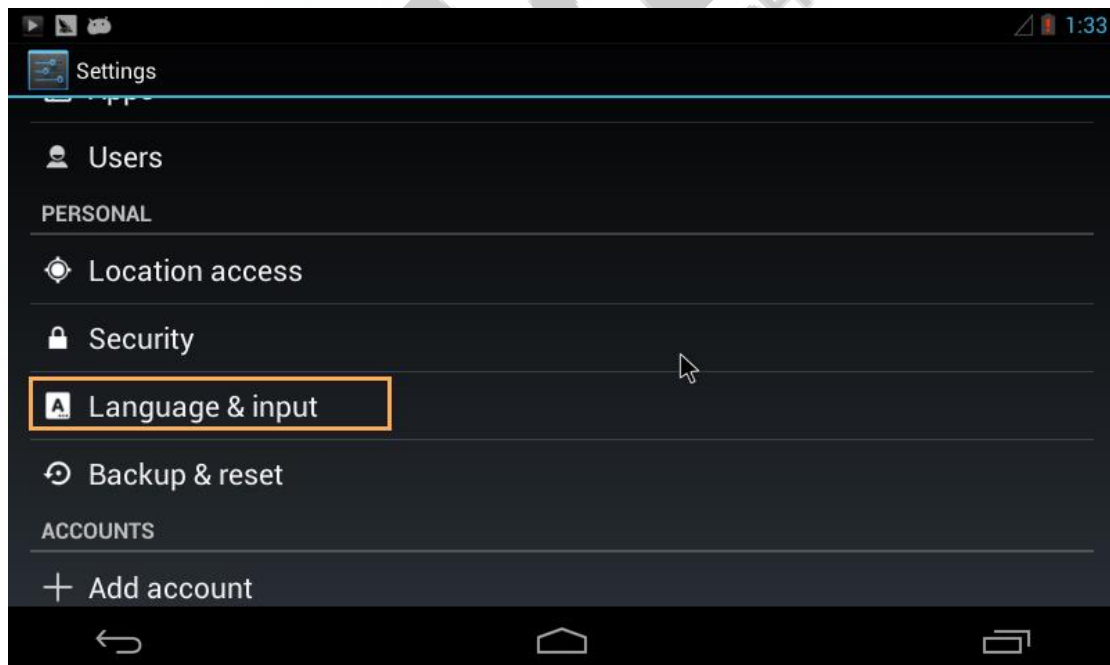
Select paired bluetooth device, after selecting, the file starts to transmit automatically:



picture 48

1.13 Language and Input Method Setting

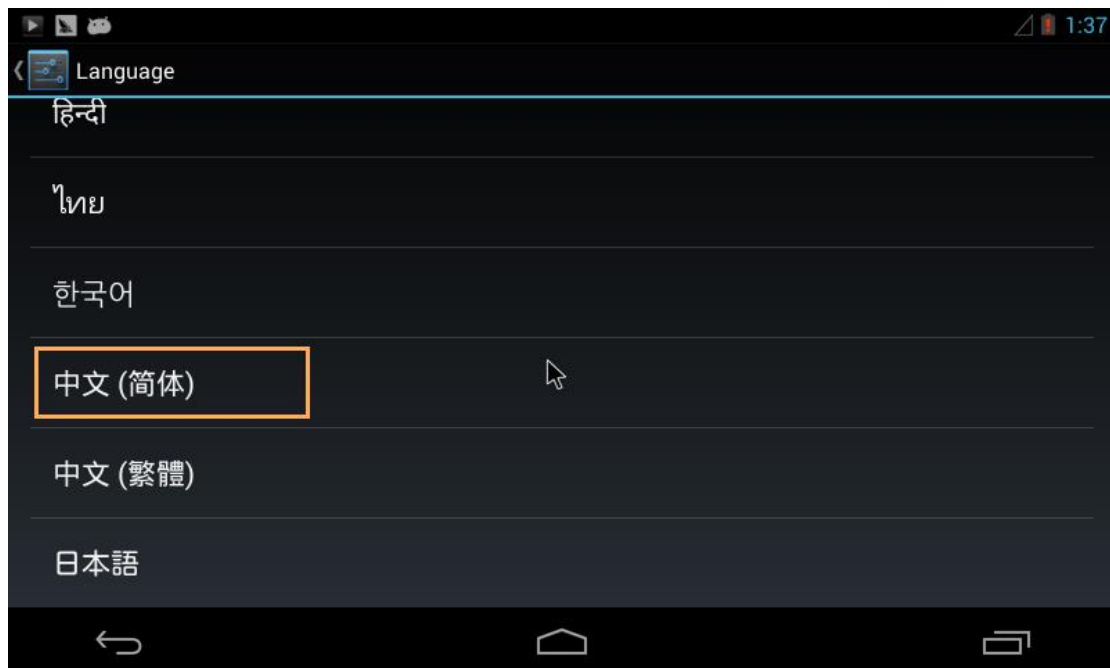
Click [settings] of menu interface, the click [Language&input]:



picture 49

1.13.1 Language Setting

Click[Language], select system language, the defaulted is English. Here you can choose [Chinese] as shown:



picture 50

1.13.2 Input Method Setting

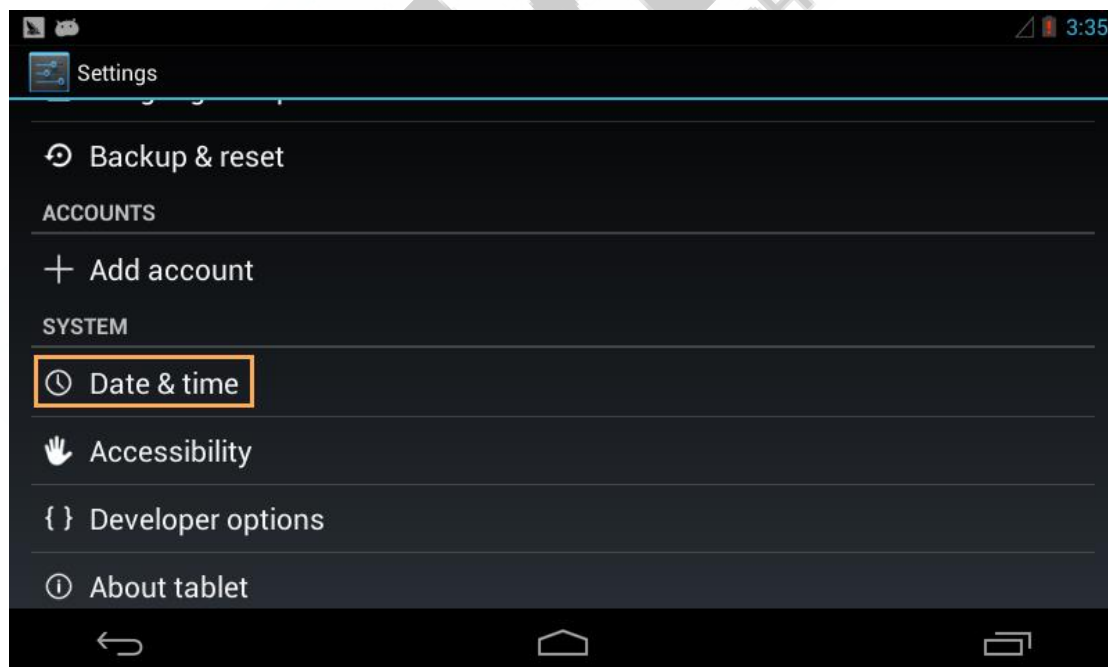
The defaulted input method only support English version, select [google language] as defaulted option, in later, set the defaulted input method to be English or other ,like the following picture shows:



picture 51

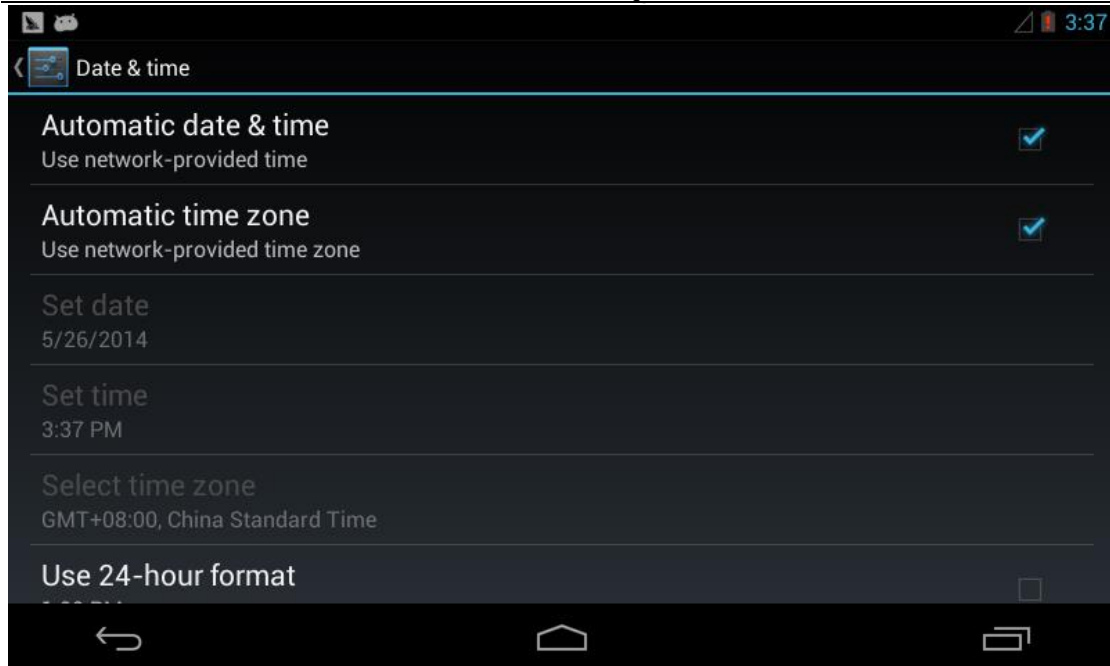
1.14 System Time Setting

Select [Setting] Button, enter setting interface:



picture 52

Select [Date&time] to enter time setting interface:



picture 53

Defaulted selection is when network connection normally, automatically gain time from network, you can also set date, time, zone, 12/24 hours, date type by hand.

II. Conclusion

If you have any questions or suggestions, please feel free to contact us: supports@qiyangtech.com, more information contact trade@qiyangtech.com, or log <http://www.qiyangtech.com>.

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