



Application:

Supermarket POS, Logistic tracking, Mobile electronic, Business data management, Inventory management.

PC700 Intelligent Pos Terminal User Manual

Service Telephone: **0755-61173277**

Catalogue

Product Brief Introduction.....	- 4 -
1. Product Feature.....	- 4 -
2. Product Appearance & Interface Description.....	- 4 -
2.1 Keys & Interface Description.....	- 5 -
3. Parameter Description.....	- 6 -
4. Advantages.....	- 7 -
5. Application Topology.....	- 7 -
6. Power System	- 8 -
6.1 External Power Supply.....	- 8 -
6.2 Battery.....	- 8 -
6.3 Battery Protection.....	- 8 -
Precautions.....	- 8 -
7. System Display and Function Keys Introduction.....	- 9 -
7.1 Function Keys.....	- 9 -
7.2 Power Key.....	- 9 -
7.3 Display Keys.....	- 11 -
7.4 Column Notice.....	-12-
7.5 Application Program & Windows Interface Introduction.....	- 12 -
7.6 Create & Manage Icon.....	- 13 -
7.7 Change Display Picture.....	- 14 -
8. Connection to PC.....	- 15 -
9. Application Program	- 16 -
9.1 Open Built-in Program.....	- 16 -
9.2 Open and Close the operating program.....	- 17 -
9.3 Download and Install APP.....	- 17 -
9.4 Uninstall APP.....	- 18 -
10. Setting.....	- 19 -
10.1 Wifi and Network.....	- 20 -
10.1.1 WI-FI.....	- 20 -
10.1.2 USB & Bluetooth.....	- 23 -
10.1.3 More.....	- 25 -
10.1.4 Ethernet setting	- 26 -
10.2 Device.....	- 26 -
10.2.1 Sound.....	- 26 -

10.2.2	Display.....	- 27 -
10.2.3	Storage.....	- 27 -
10.2.4	Application.....	- 28 -
10.2.5	Security.....	- 29 -
10.2.6	Language & Input	- 30 -
10.2.7	Date & Time.....	- 30 -
10.2.8	Developer Options.....	- 31 -
10.2.9	About Phone.....	- 31 -
11.	Camera.....	- 29 -
11.1	Photo.....	- 32 -
11.2	Video.....	- 33 -
11.3	Barcode/QRcode Scanner.....	- 33 -
12.	Thermal Printer.....	- 34 -
13.	RFID Test and Use.....	- 35 -
14.	NFC Test and Use(optional).....	- 35 -
15.	PSAM Test and Use.....	- 37 -
16.	HDMI.....	- 38 -
17.	RS232 Testing.....	- 38 -
18.	File Management.....	- 38 -
19.	TF card Restoration.....	- 40 -
20.	Video Test and Use.....	- 42 -
21.	USB HOST Port Testing.....	- 43 -
22.	Touch Screen Testing.....	- 44 -
23.	System Programming.....	- 45 -
24.	FAQ.....	- 46 -

Product Brief Introduction

PC700 intelligent terminals combine POS machine to laptop, Integrating many latest technical achievements of IT industry such as Embedded Computer System Design, Mobile Communications, RFID, Data security mechanisms etc. It has many multifunctional features such as low power consumption, modular, light structure, and beautiful appearance as mobile terminal. And it can be embedded in a variety of functional modules like 3G, Thermal Printer, RFID, Webcam, wifi, PSAM encryption with an open systems platform (Embedded Android operating system). Some external devices can be connected to this device such as barcode scanner, keyboard and so on. The machine POS can be widely used in supermarket, hotel, business hall, logistics tracking, mobile electronic payment, business data processing, inventory management and other fields.



Remark: The information provided in this manual may be different based on versions of the program. Therefore, your product may not have any above feature mentioned on this manual certain, Pictures on this manual may differ from the actual, please take the actual one for reference. This manual retain the right that we do not have to inform the buyer if any information is changed.

1. Product Feature

- ◆ CPU: Samsung SPV210 Cortex-A8, Frequency: 1GHz, fast operation and stability
- ◆ WIFI support IEEE802.11b/g(standard) IEEE802.11g(6m/s)
- ◆ RFID/PSAM/Thermal printer/camera(200w)/Wifi/3G/bluetooth/RJ45/RS232/USB
HOST/Audio and Video output
- ◆ NFC
- ◆ Connection to external devices
- ◆ Exquisite appearance and simple operation
- ◆ Provide personal customization based on customer's requirements

2. Product Appearance & Interface Description



3.



2.1 Keys & Interface Description

Name	Description
------	-------------

RFID	IC card read and write
Printer	Printing paper
PSAM card port	Read and write PSAM card
Reset key	Auto power off via press this key
RJ45 port	RJ45 network port
USB HOST port	Connect mouse, keyboard, USB flash driver and so on
Power port	(9V/3A)
Scanner	Camera can scanning barcode/2D code/identification recognition
HDMI port	Connect to HDMI display and TV
RS232	COM2 port
Receiver port	Connect to telephone receiver
Mini-USB	Connect to PC

3. Parameter Description

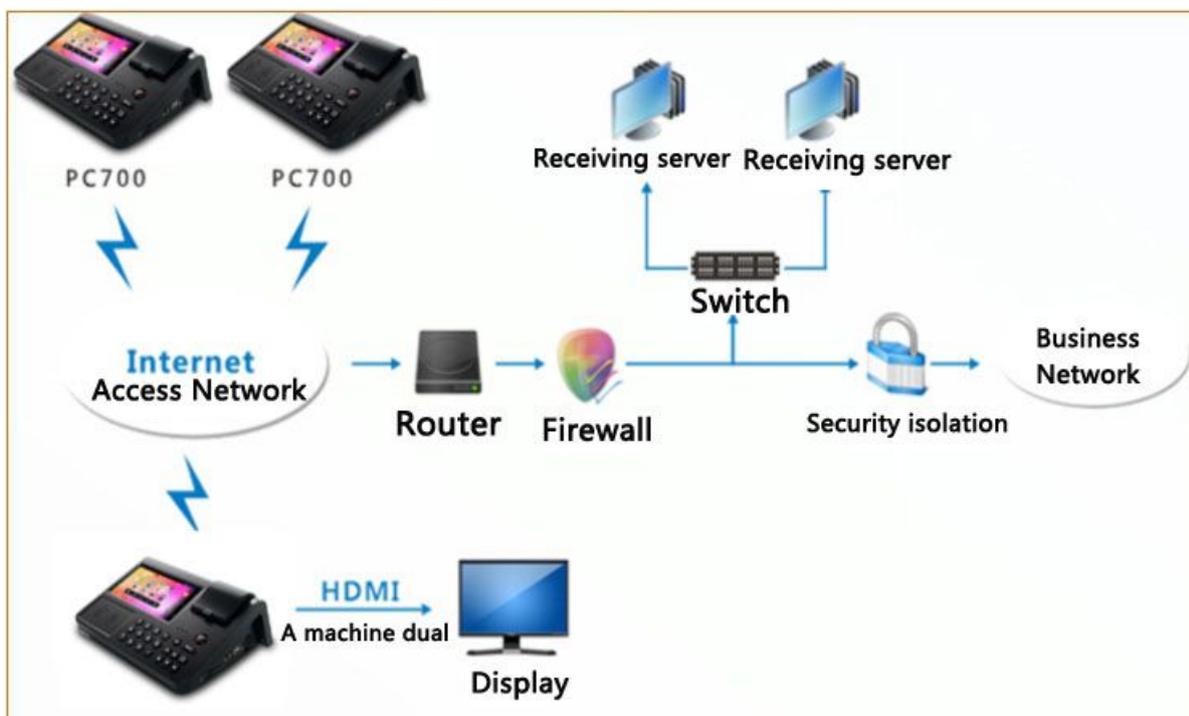
CPU	Model	SamsungS5PV210 Cortex-A8	
	Frequency	1GHz	
Memory	DDR1	512MB	
	NAND Flash	4GB	
Display	Screen size	7 inch color TFT LCD screen	
	Touch	capacity Touch	
	Resolution	800×480	
OS	Android 4.0		
Function	Speaker	Built-in speaker	
	WI-FI	IEEE802.11b/g(standard) IEEE802.11g(6m/s)	
	3G	(CDMA or WCDMA)	
	call	optional	
	PSAM	Support PSAM card encryption card reader	
	bluetooth	USB BT	
	TF card port	32GB	
	RFID	frequency:	13.56MHz
		Protocol:	ISO/IEC 14443A/MIFARE read and write support M1、S70、S50 card
	NFC	Support	ISO/IEC14443-Type A/B, ISO/IEC15693, ISO/IEC18092
Support		《 Information technology based on radio frequency mobile payments》 frequency: 13.56MHz; speed: 106、212、424kbits/s	
printer	It can print many language words,barcode/2d code/image		

	camera	Information technology based on radio frequency mobile payments
Battery	Capacity	7.4V 2200mAH lithium battery
	Charging time	3 hours
	Standby time	2.5 hours
Language	Any language	
Secondary development	Provide SDK	
Temperate and Humidity	Temperate: -10℃~50℃ Humidity: 0~95%	
Accessories	Power adopter and a USB cable	
Dimension	Product size: 26.5×22.5×11cm	
	weight: 1.1 kg	

4. Advantages



5. Application Topology



6. Power System

6.1 External Power Supply

External power supply means that the power adapter convert the AC 100V ~ 240V to (DC9V, 3A) the device need . When plugged into external power, the middle indicator lights on the panel is red.

6.2 Battery

The machine uses a lithium polymer battery (7.4V 2200mAh) as a backup power supply. When charging, the leftmost indicator light is red, when fully charged, the light turn to orange.

6.3 Battery Protection

It is limited to rechargeable times like all rechargeable batteries, The valid life of the battery varies from the ambient temperature and humidity of the use environment and the degree of use . The ideal temperature of the battery is between 5 °C to 40 °C. Anything below or above this range of temperature will shorten battery life. But in any case, the battery will be shortened in last. If the battery can not work, please make sure to replace it from the manufacturer or authorized dealer and the factory. Never replace it by yourself.



Precautions

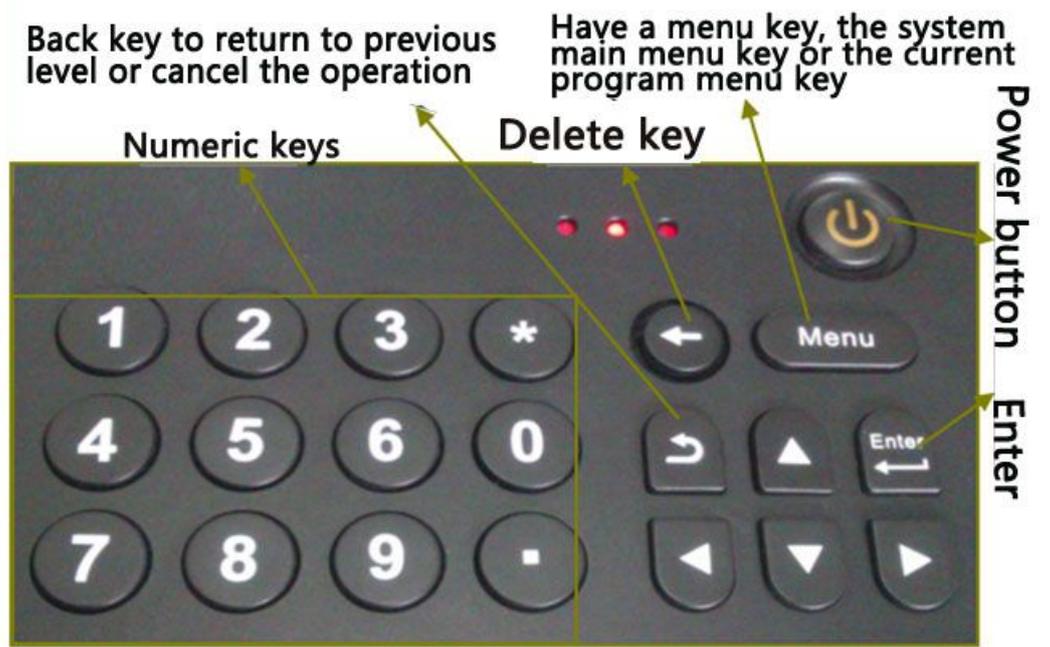
- This product is supposed to use the matched battery and the standard power adapter. Our company is not responsible for accidents caused by unauthorized battery.
- Do not attempt to disassemble, crush, puncture or fix the battery to reduce the risk of fire or burns. Do not expose the battery on the environment where the temperature exceeds 60 degrees Celsius °C environment. Do not use the battery that appears damaged, deformed, discolored, rust, overheats, or emits odor on its casing.
- The product should be kept away from excessive moisture or high temperature environments. Do not expose the battery to direct sunlight or strong ultraviolet place. These conditions may damage the product, overheat the battery, or pose a risk for personal and property safety.

7. System Display and Function Keys Introduction

7.1 Function Keys

At present, the machine provides 21 keys including the power key, the delete key, back key, Enter key, the arrow keys, Menu key, numeric keys, and each key perform the appropriate function.

As shown below:



7.2 Power Key

- Power on

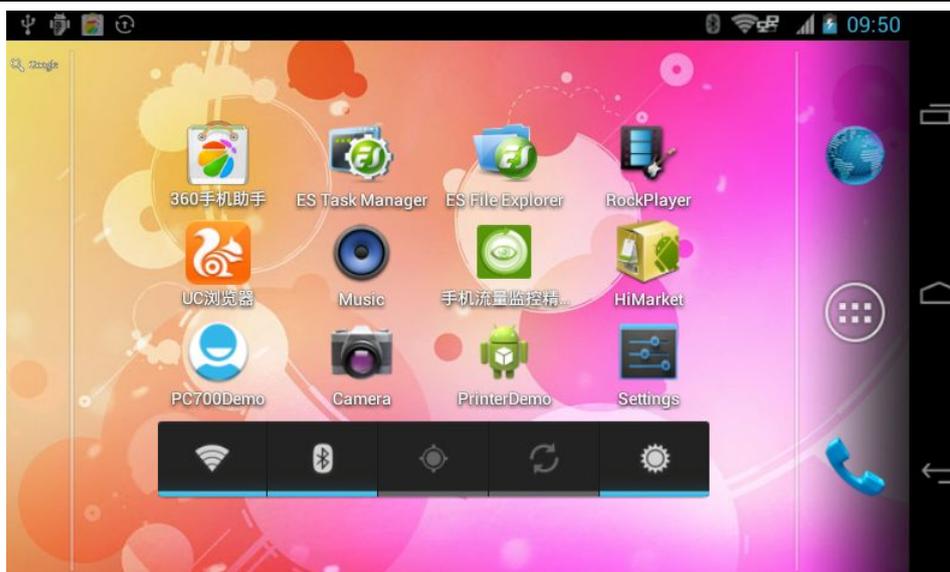
Keep pressing the power key and let it go when it enters into the booting logo interface. The device enters into Android system default lock screen, as shown below:



Click the lock icon and it will automatically display ripples to the unlocked position. The lock icon has been dragged on the small circle, you can unlock it.



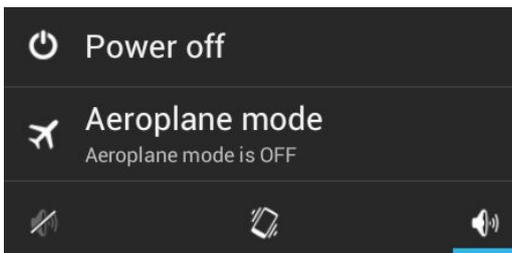
After unlocking, you can enter the system interface, as shown below:



You can switch to five different interfaces with sliding fingers and move the application icon to any interfaces like operate an android mobile phone.

➤ Power off

Press the power key for a second, when it pops up the following window and click the “power off”



Note: Press the power key until the black screen, the machine will turn off.

7.3 Display Keys



: back key



:home key.



: Daemon Key. Open the program running in the background. Click on any one of the selected program icon drag up or down, you can close the program。



: Column Notice



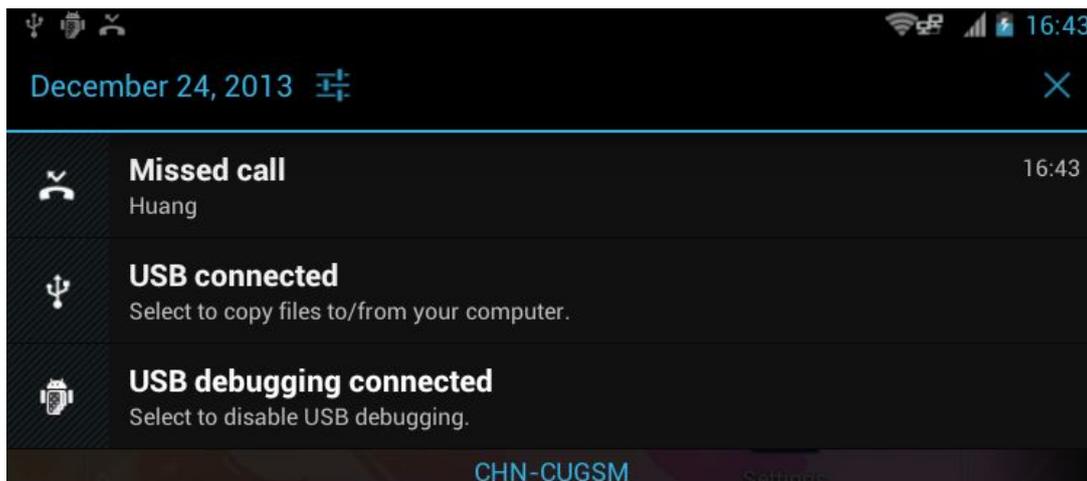
: Program tray key



: explore key

7.4 Column Notice

Drag down the top position of the screen and the hidden menu will pop up, as shown below:



click  and enter into the menu setting

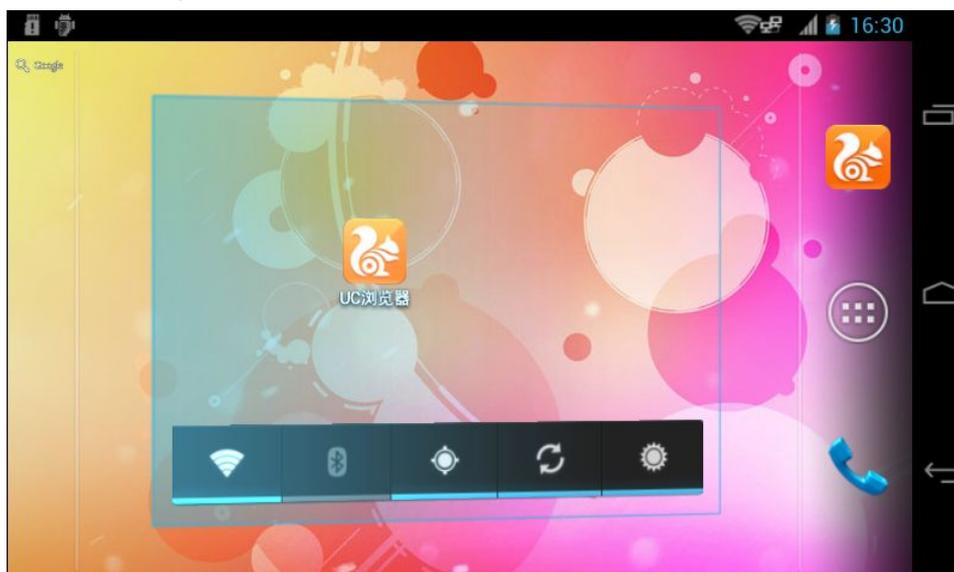
7.5 Application Program & Windows Interface Introduction

Click the icon  on the main screen, you can switch to the list of applications and widgets interface. All application icons shows that it has been installed on the application list interface. If you want to open a software, click the icon. Application icon beyond a screen, it will automatically be displayed on the second screen, slide your finger to the second screen.

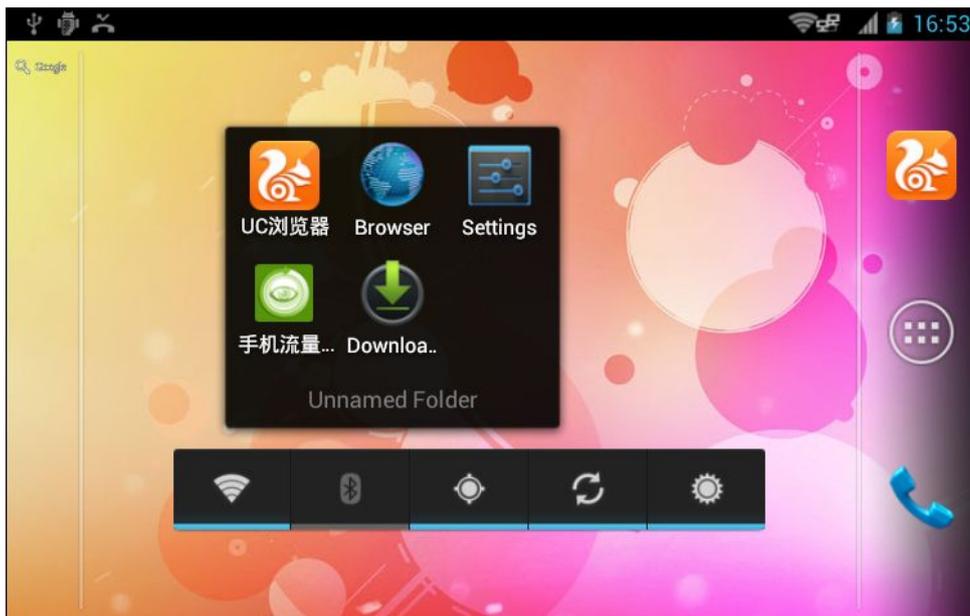


7.6 Create & Manage Icon

On the application interface and the widget interface, to keep pressing on any icon will automatically switch to the main screen desktop, and to hold and drag the icon can be placed anywhere on the desktop.

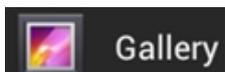
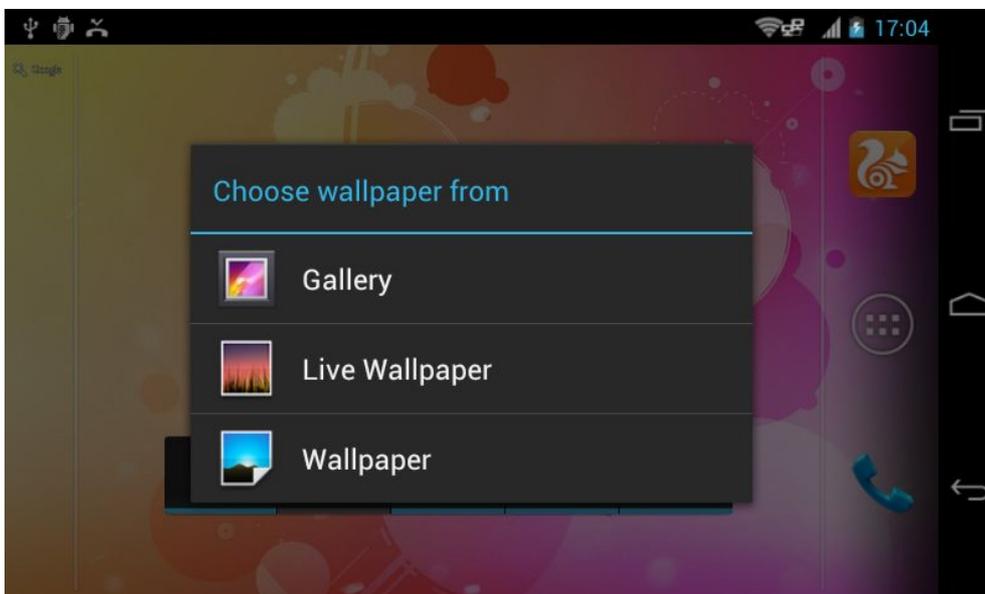


Create and name a folder that can add multiple program icons,as showed below:



7.7 Change Display Picture

On the keypad, press the "Menu" or touch the main screen for about 2 seconds and the menu will pop up, as shown below:



Gallery

: save a picture as a display wallpaper



Live Wallpaper

: download a picture as a display wallpaper



: choose a picture in the device as a display wallpaper

8. Connection to PC

◆ Mini—USB cable

Firstly, install a mobile phone assistant software on the computer, and connect the machine and the computer via a mini-USB data cable, then it will pop up, as shown below:



Then the user can click "Setting" → "Developer options" → "USB debugging", and the connection and Mobile Assistant software will be automatically installed on your computer.



Click "Open USB storage devices," the mobile Assistant software will be disconnected.

SD Card 1: The device's storage capacity, approximately 2.8GB

SD card 2: SD card or U-disk storage capacity

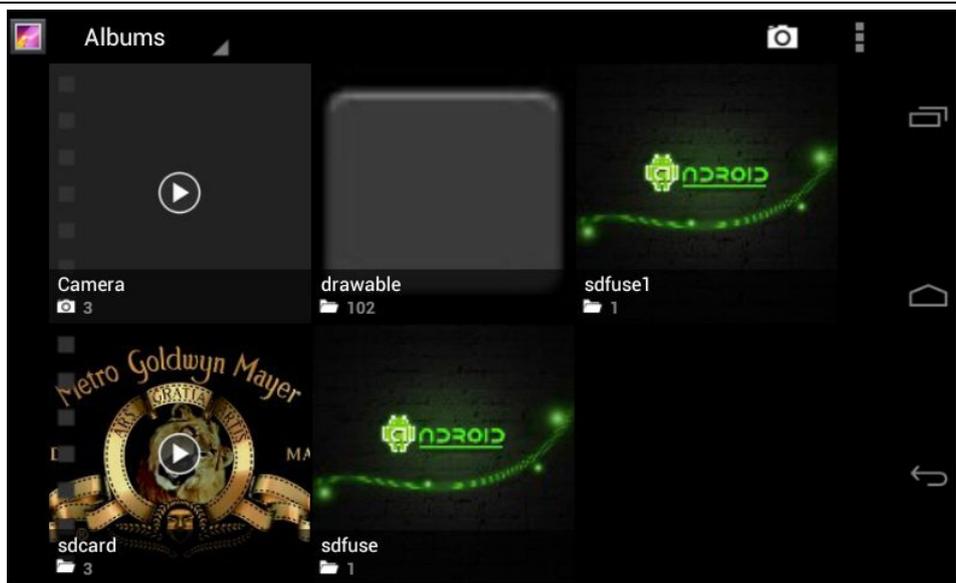
Note: Do not copy, paste, delete the user files in the system directly

9.Application Program

Applications include built-in APPs and user-installed ones. This section describes installation, removal and other basic use of Applications.

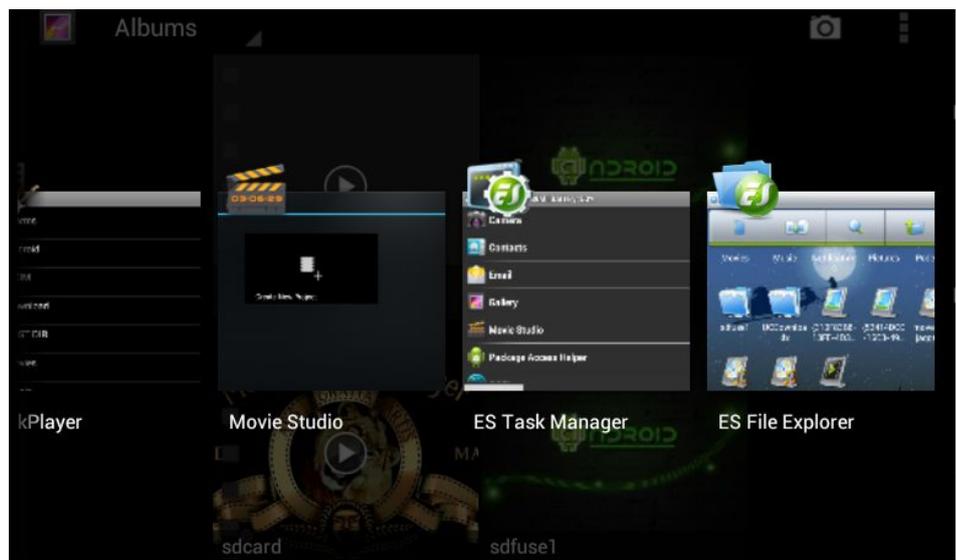
9.1 Open Built-in Program

Click  and it will show the program interface. Click  and open the video and pictures, showed as below:



9.2 Open and Close the operating program

Click  and show all the operating application. Click on any program icon to run the program from the background into the current.



9.3 Download and Install APP

There are two general access to the application:

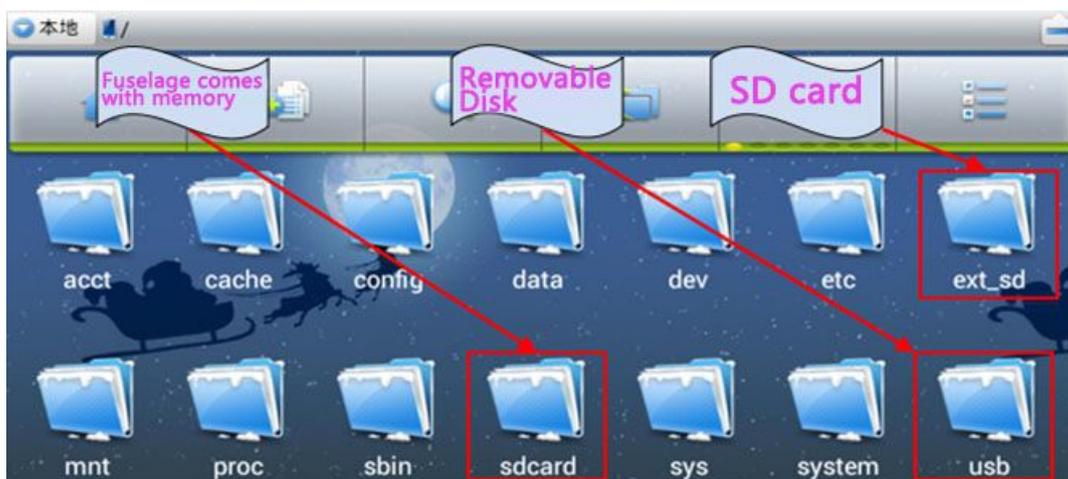
- 1. directly download and install APP from the machine via Internet

Enter into the Android Market and other clients to search for the required application via WI-FI, 3G or RJ45 network.



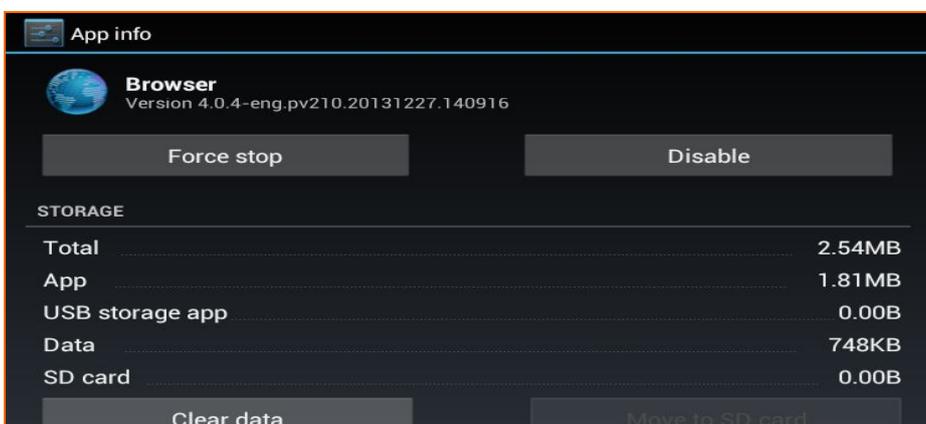
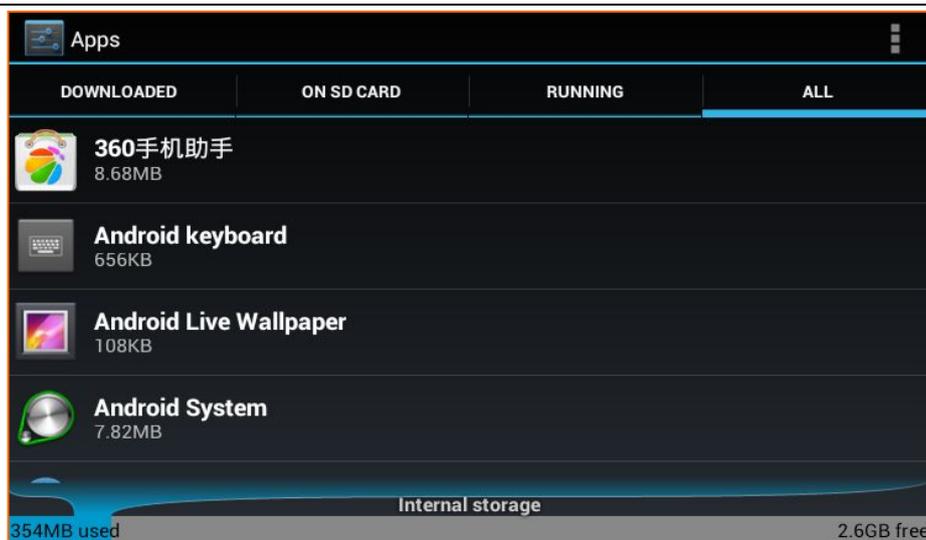
2. copy an existing application installed on the machine from the computer.

APK application will be copied to the removable disk, and insert the disk into the machine via USB port or TF card. Open the "File Manager" software, find the APK and install it.



9.4 Uninstall APP

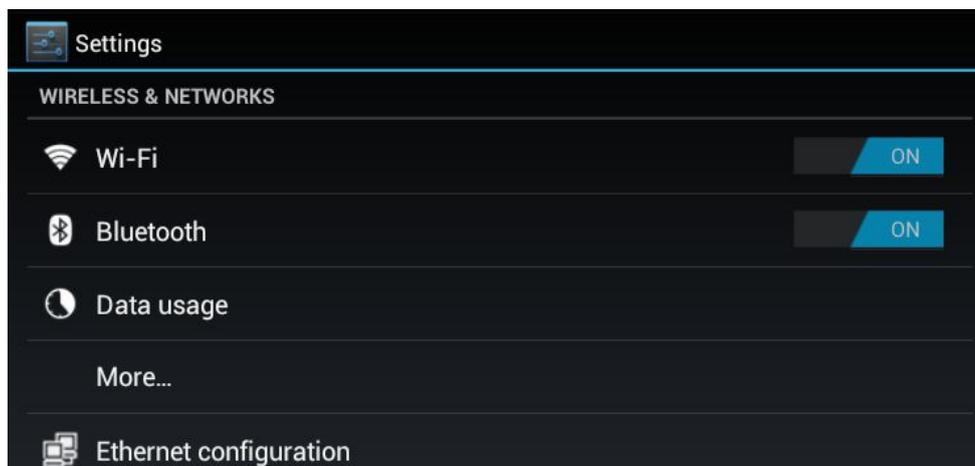
click "Uninstall" to remove the application.

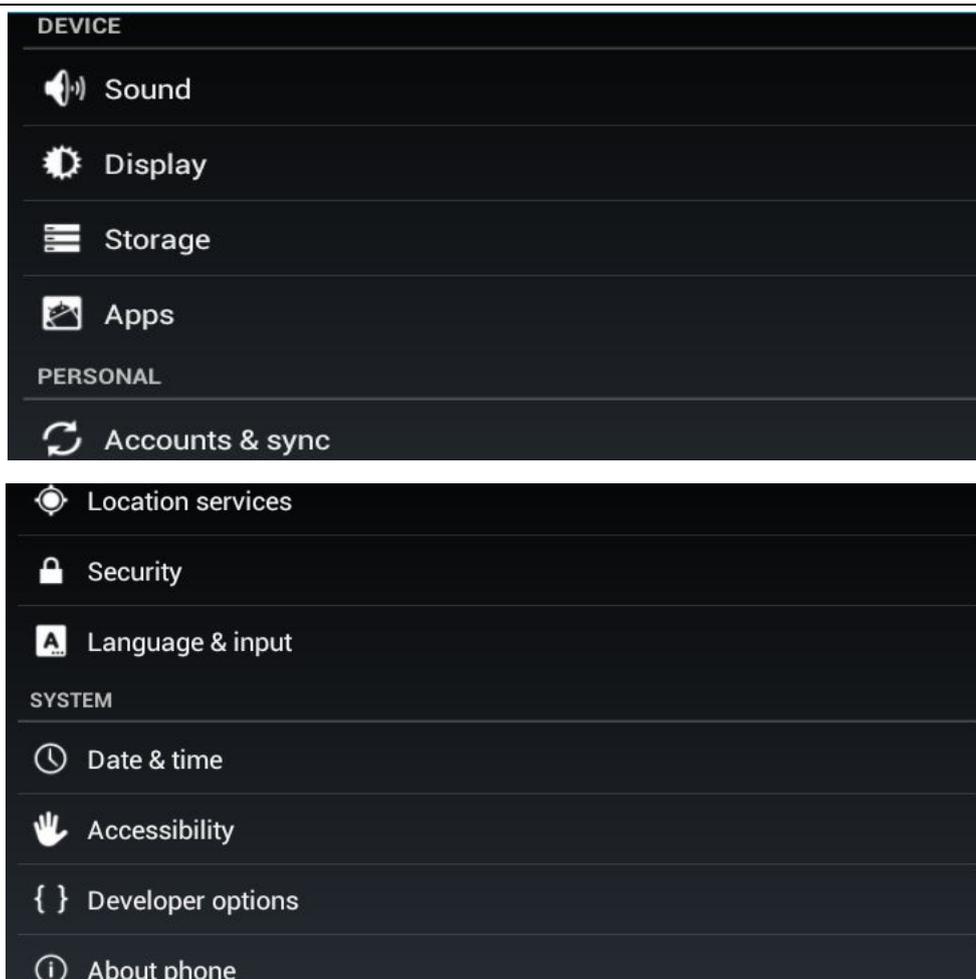


10. Setting



Click **Settings** to enter into setting interface





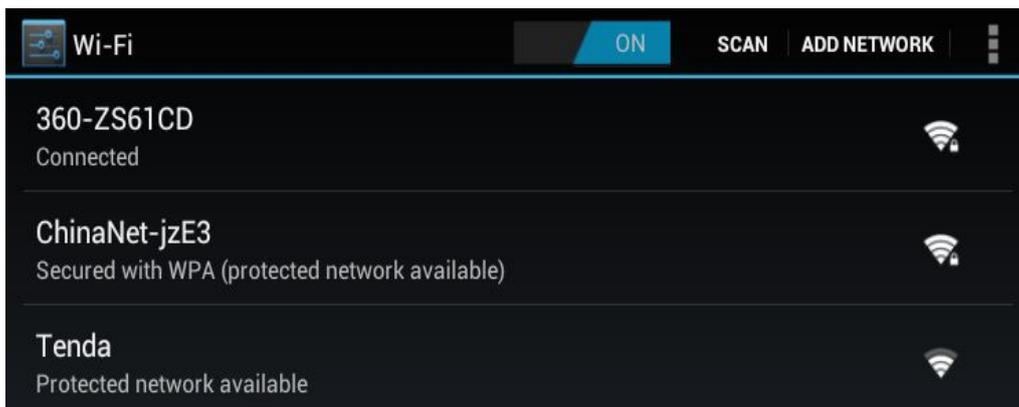
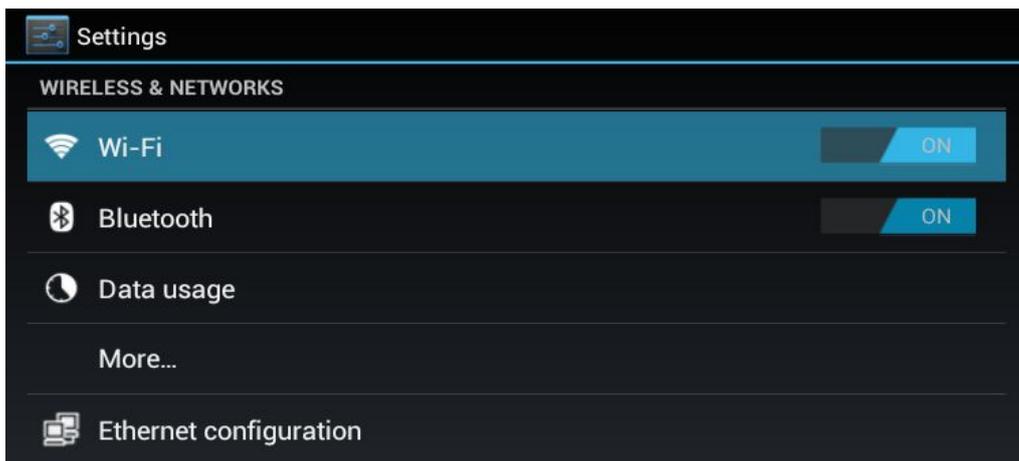
10.1 Wifi and Network

This section describes the three network modes: WI-FI, 3G, RJ45. Its priority sequence is: WI-FI network => RJ45 Network => 3G network. That is the case both opened, will give priority to the use of the former. So before using RJ45 network, make sure to close WI-FI network.

3G network will automatically disconnect when 3G/wifi/RJ45 are open simultaneously. When the WI-FI or RJ45 network disconnect automatically enabled 3G network.

10.1.1 Wifi

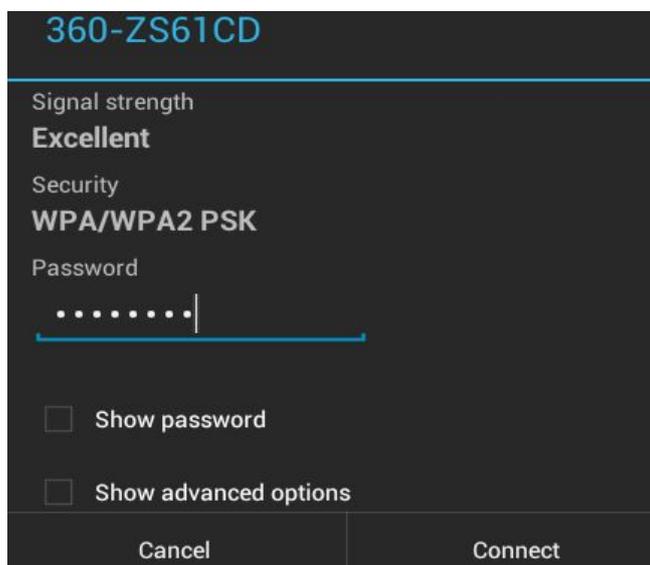
◆ Turn on and off Wifi



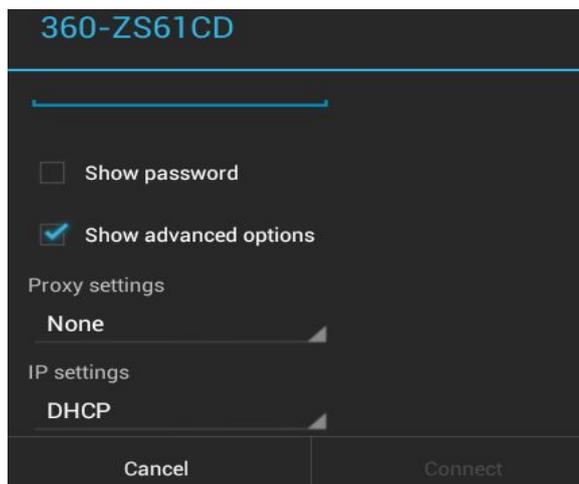
The fan icon behind each WI-FI name indicates signal strength. If there is a lock next to the fan, which means that the signal is encrypted, you need to enter a password before they can be used.

◆ Wifi connection

If the wifi is not encrypted, WI-FI connection is automatically open. Otherwise it need password.



Show Advanced Options: Check the bottom left corner  , may have more detailed settings.



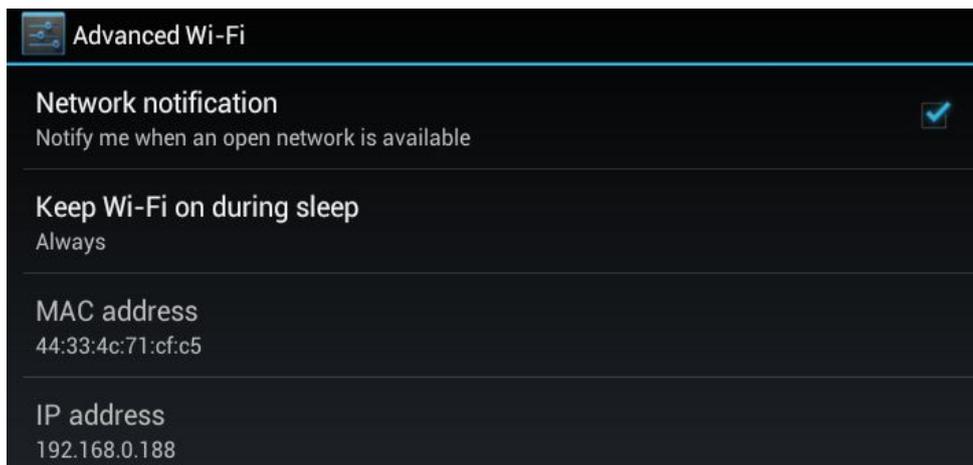
Proxy settings : none

IP settings : The default is DHCP, automatically obtain an IP address; When elected as a static "Static", you can manually enter the IP address. As shown below:



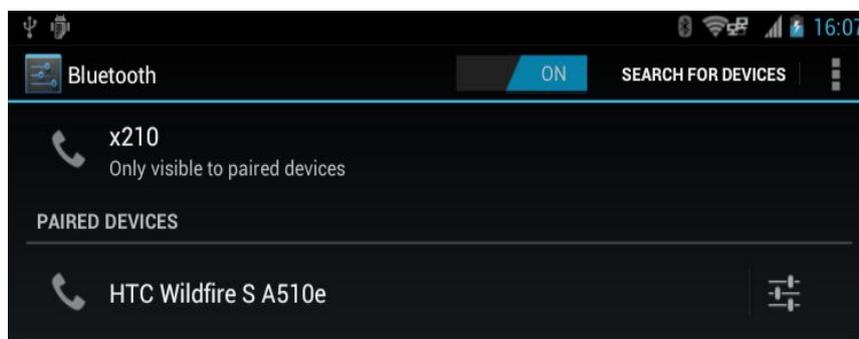
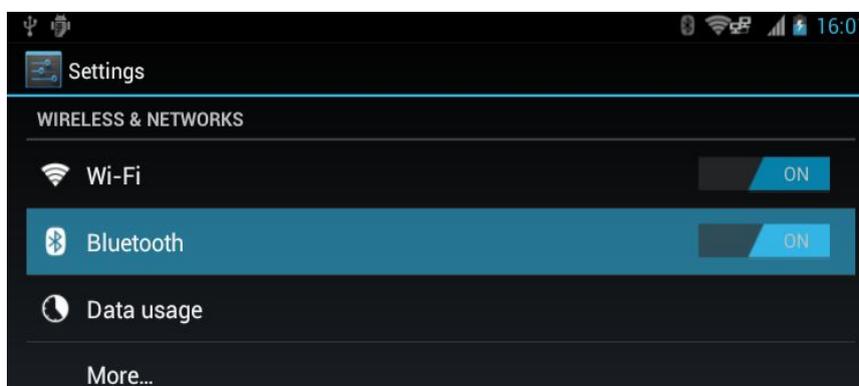
◆ Superior WI-FI settings

Click the top left corner of the screen  it will pop up a superior Wifi settings.

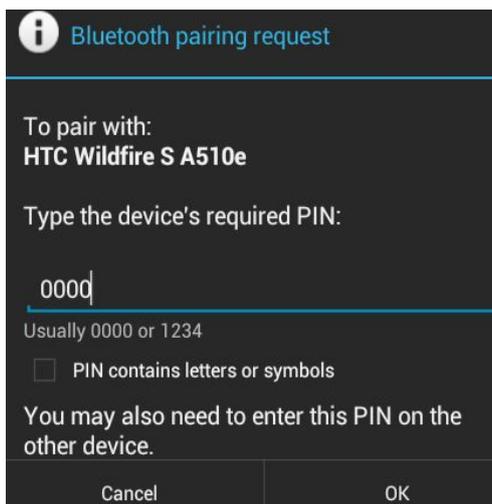


10.1.2 USB & Bluetooth

After start the USB Bluetooth, turn on the Bluetooth and enter into its settings interface.

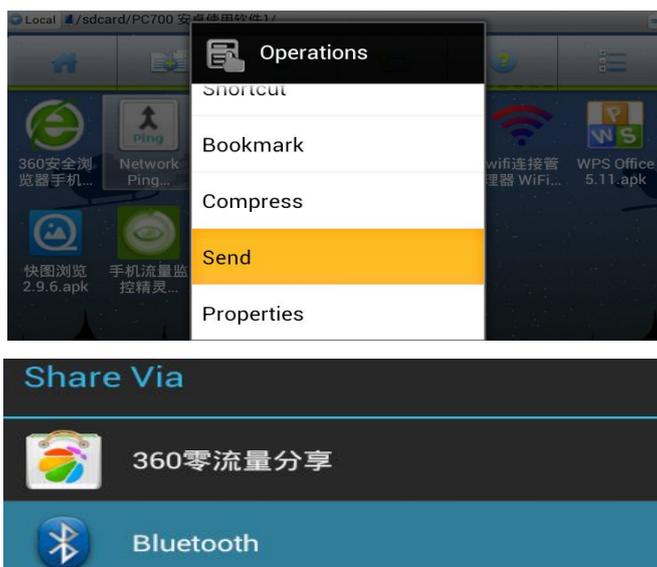


Click **SEARCH FOR DEVICES** search bluetooth devices and connect it, input the password and click OK.As showed below:

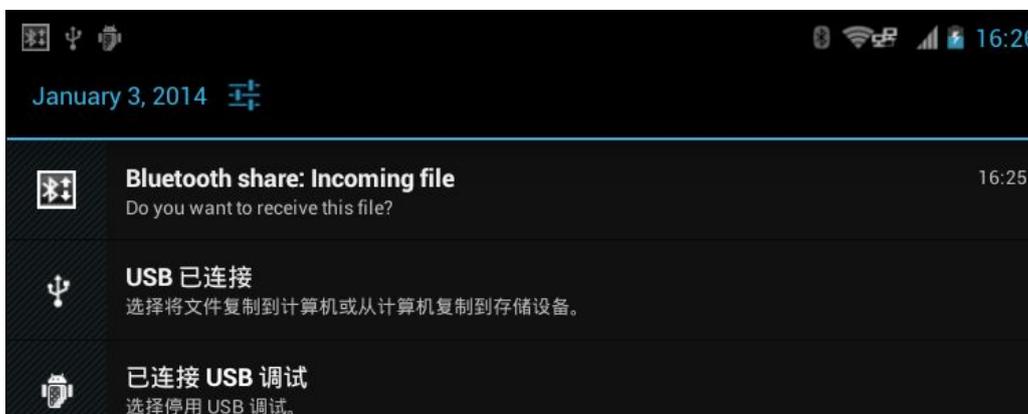


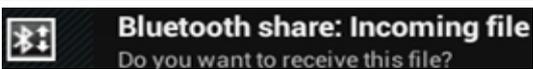
At this time, the other Bluetooth pairing request box will pop up, input the password and the Bluetooth connection is successful.

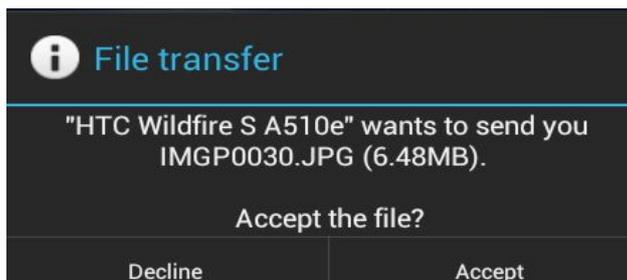
Then you can send or accept the file, as follows:



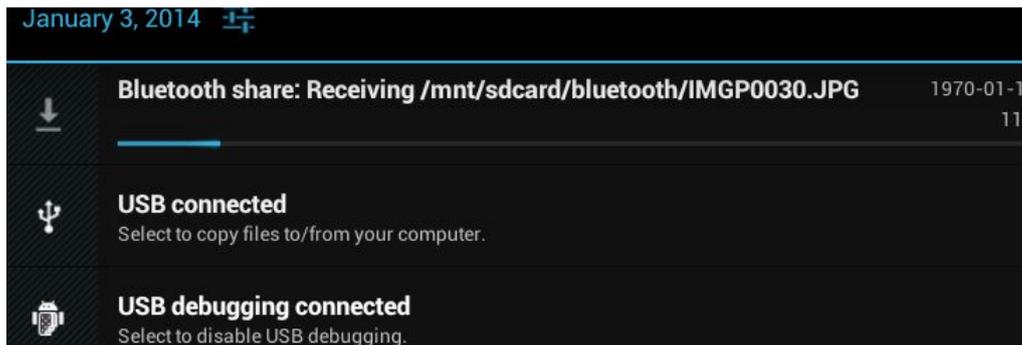
The device receive the file as show below:



Click  , pop up the following windows:

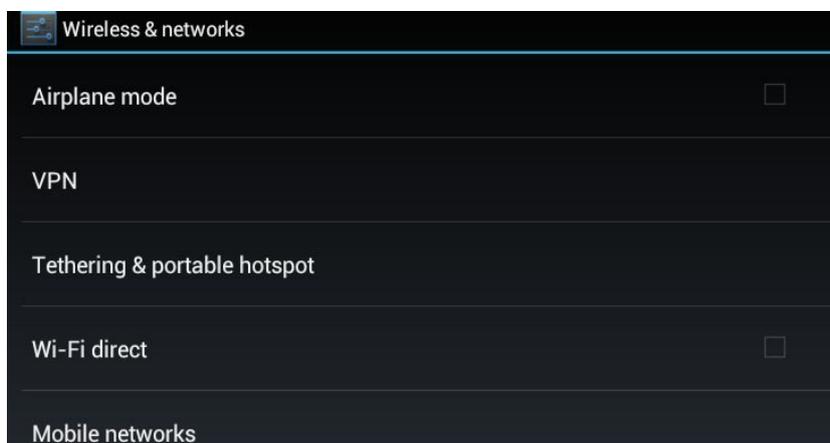


Click "Accept", as showed below:



10.1.3 More

The Features: Flight Mode, VPN, portable hotspot, WI-FI Direct, mobile networks (3G card)



Flight mode: open this function and the wireless network will disconnect automatically.

VPN: This feature requires a password lock screen first set before use. Because when you set up VPN, you need to enter account and password.

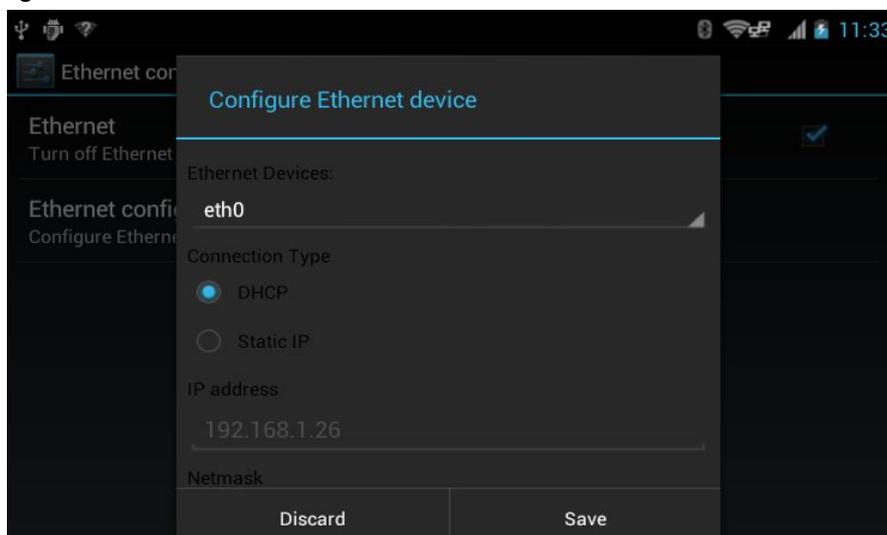
Portable hotspot: This function opens, it will automatically turn off WI-FI function, and also as a wireless hotspot for other devices to support WI-FI access.

WI-FI Direct: it can support direct wifi connection with WI-FI-Direct devices within about 10 meters. And at this time the wifi is off.

Mobile Networks: Open/close the 3G or 2G

10.1.4 Ethernet setting

Click  **Ethernet configuration** in the settings to open, close and set up the configuration of RJ45 network parameters. In the first use of an external network RJ45, RJ45 plug in the card and reboot the system, then plug the network cable is ready to use its network, also supports hot-plug RJ45 LAN



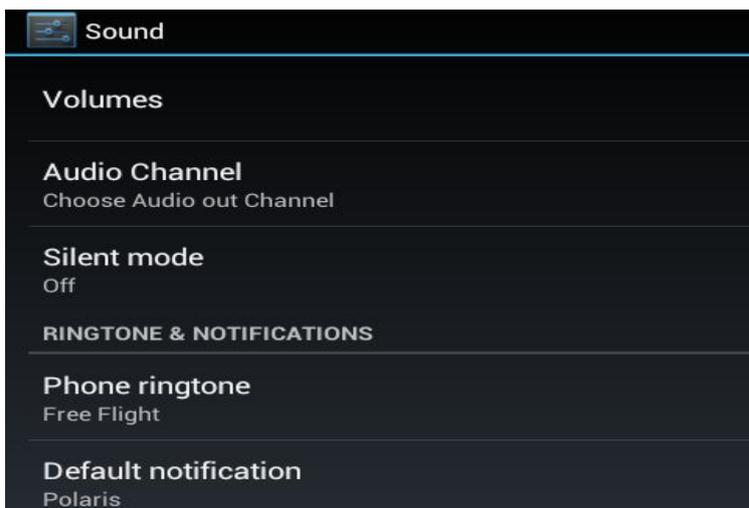
The system supports RJ45 static IP and dynamic IP. When the RJ45 network, the network icon is displayed in blue.

Note: When using RJ45 network, first insert the RJ45 network module into the USB port, and then insert the RJ45 Ethernet cable, and then start to use. If the RJ45 network module is built-in, insert the network cable into the RJ45 interface, and it can be used directly.

10.2 Device

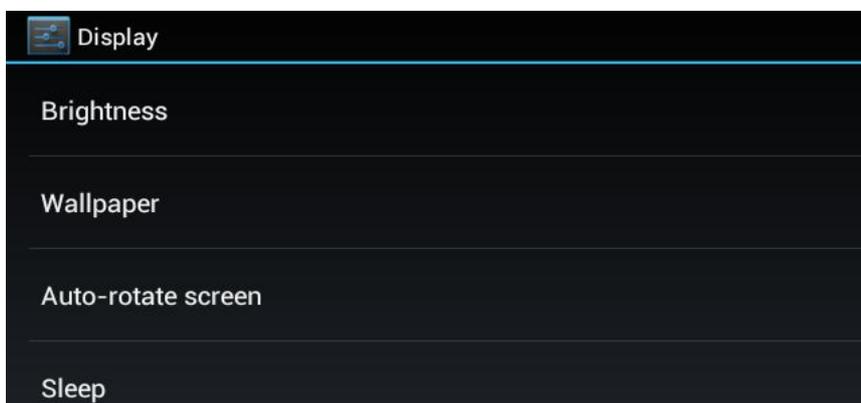
10.2.1 Sound

This section includes the volume settings, phone ringtone, touch-tone, etc.



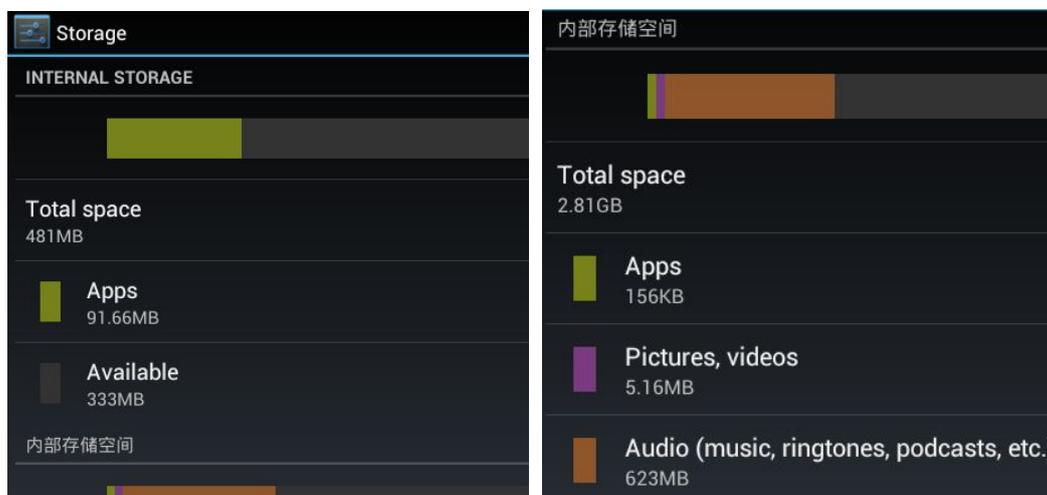
10.2.2 Display

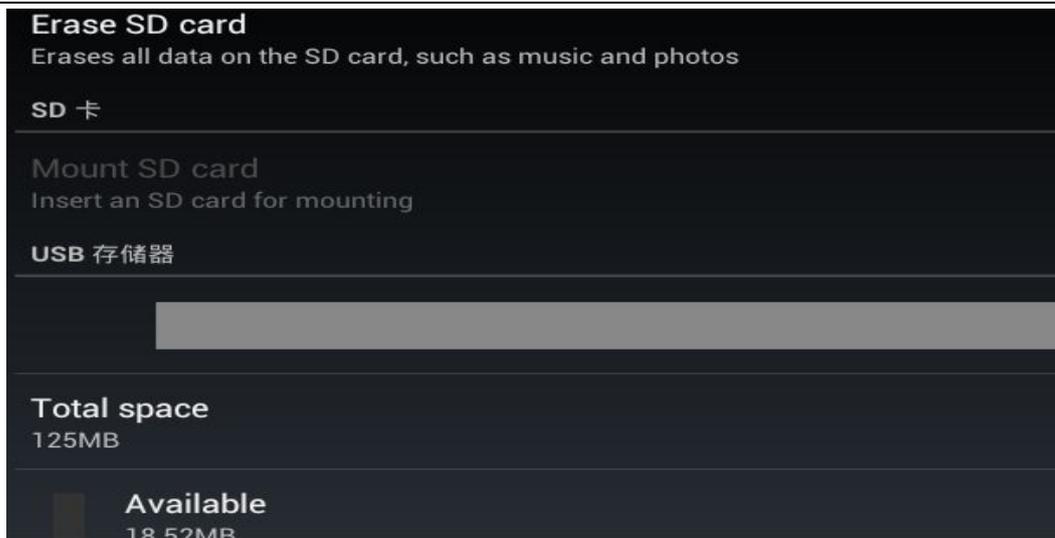
This section includes Brightness, wallpaper, Auto-rotate screen, sleep.



10.2.3 Storage

This section describes the system ROM, built-in storage capacity information TF card and removable disks, as shown below:





ROM: about 481M, is used to install the APK program allocated space systems.

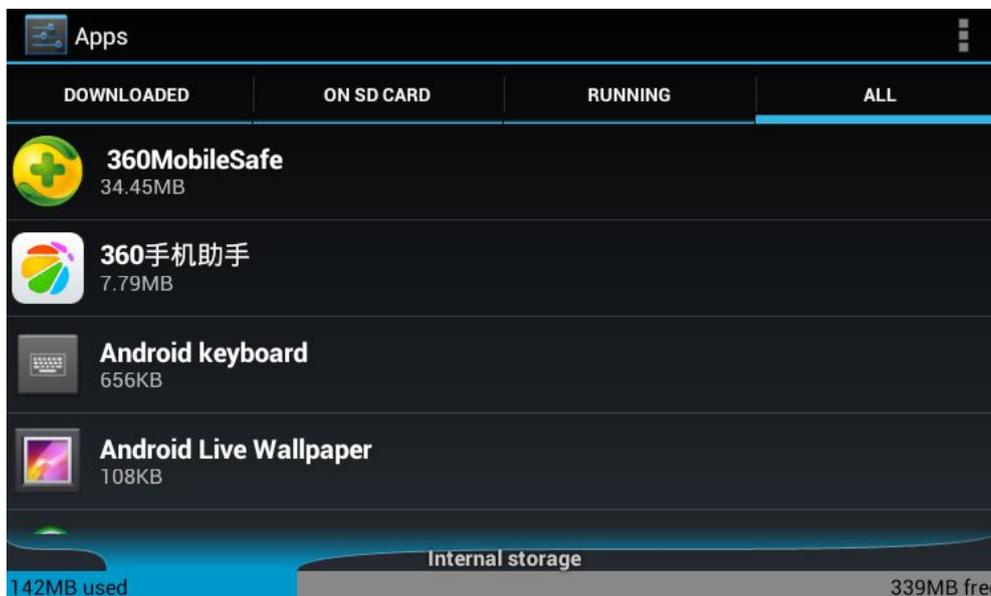
Built-in Memory: approximately 2.81GB.

SD Card: SD card capacity system expansion space

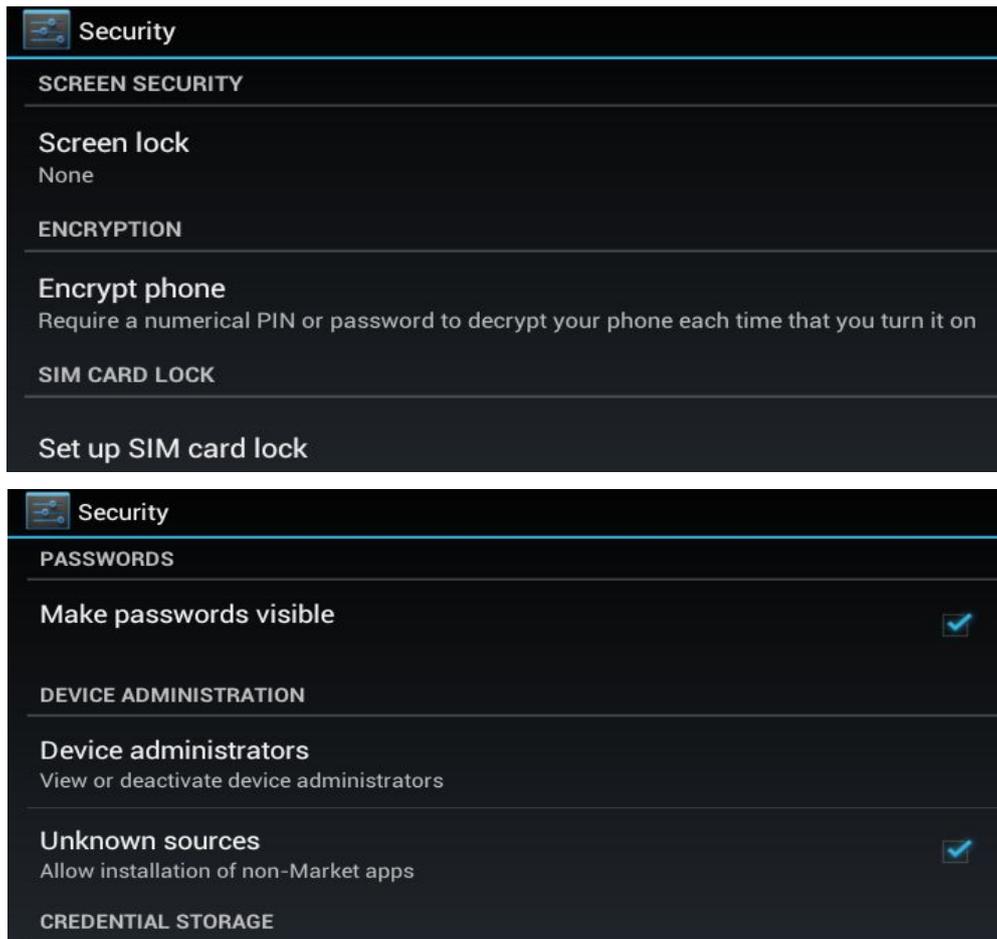
USB Memory: plug in the USB HOST removable disk

10.2.4 Application

The user can uninstall and remove the data in the application showed in the display. TF card can also be viewed in the space occupancy, RAM space occupancy and internal storage space usage.



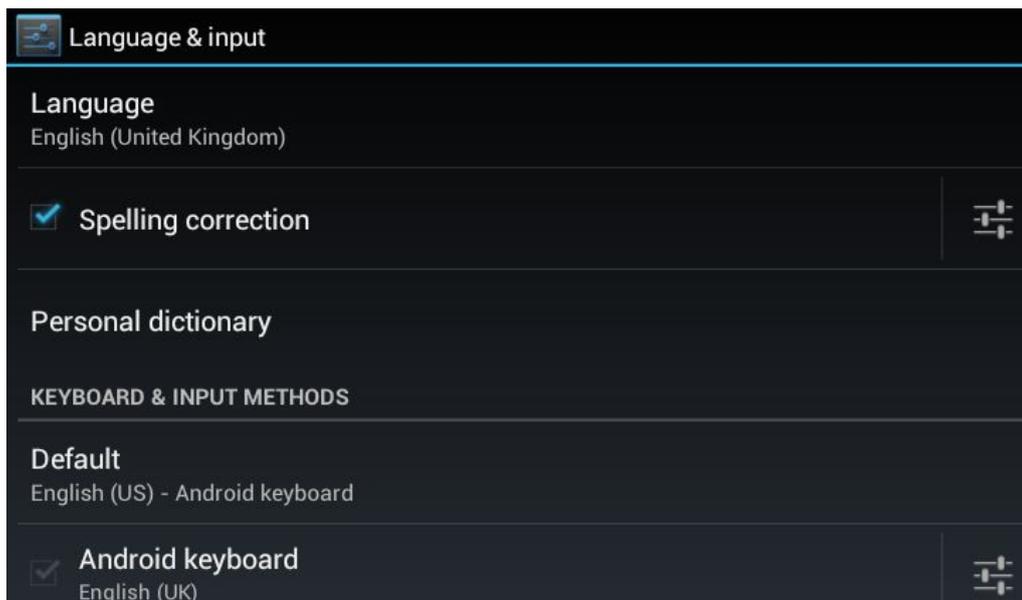
10.2.5 Security



Screen Lock: default is slide to unlock, can also be set as a pattern, password, etc

Unknown source: Not enabled by default, when you need to install the APK application that prompted, choose the option to install the APK application.

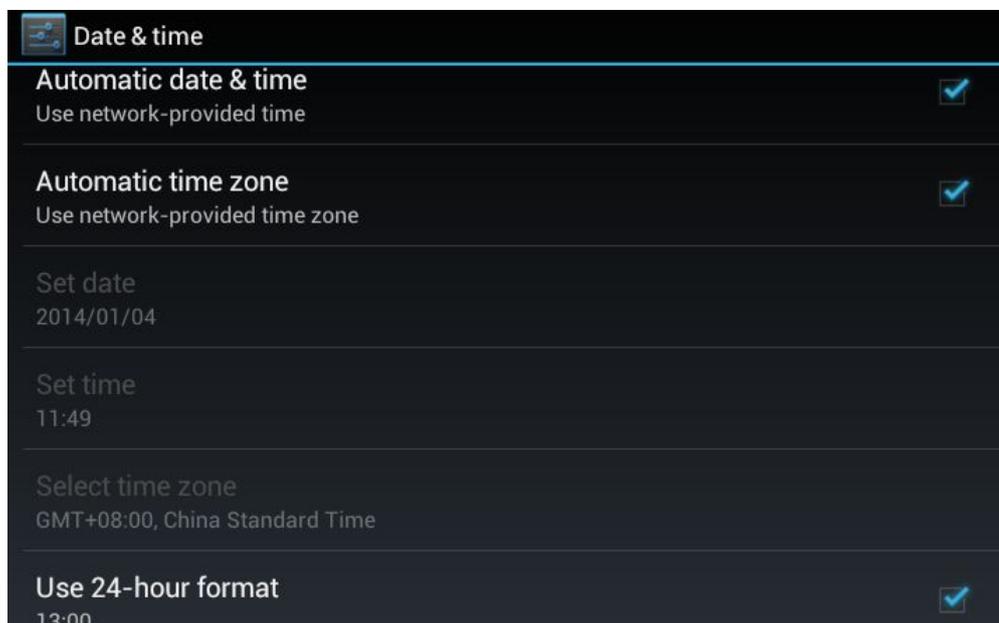
10.2.6 Language & Input



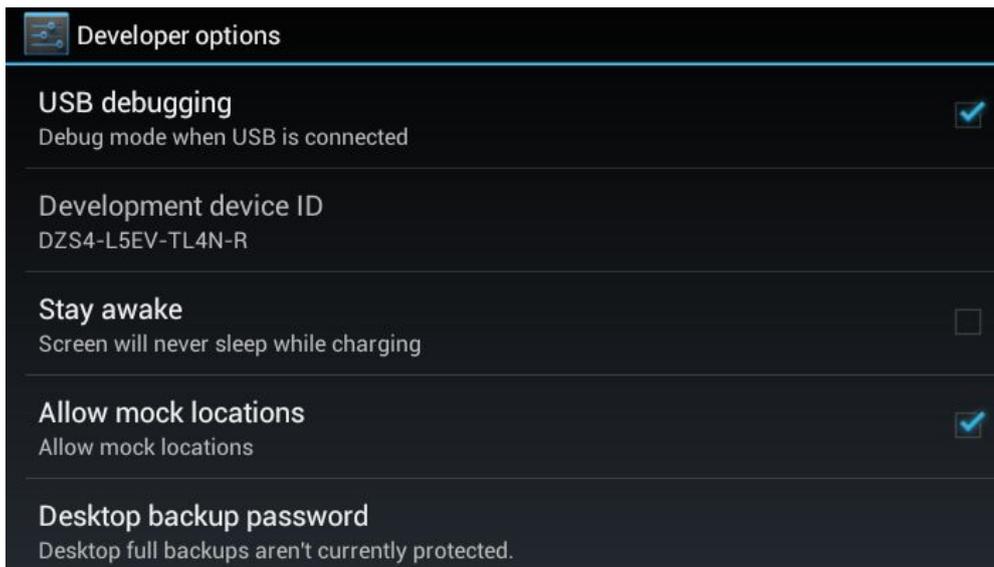
Language: set the language of the system

Input: Set the default input method of the machine or those installed on the machine.

10.2.7 Date & time



10.2.8 Developer options

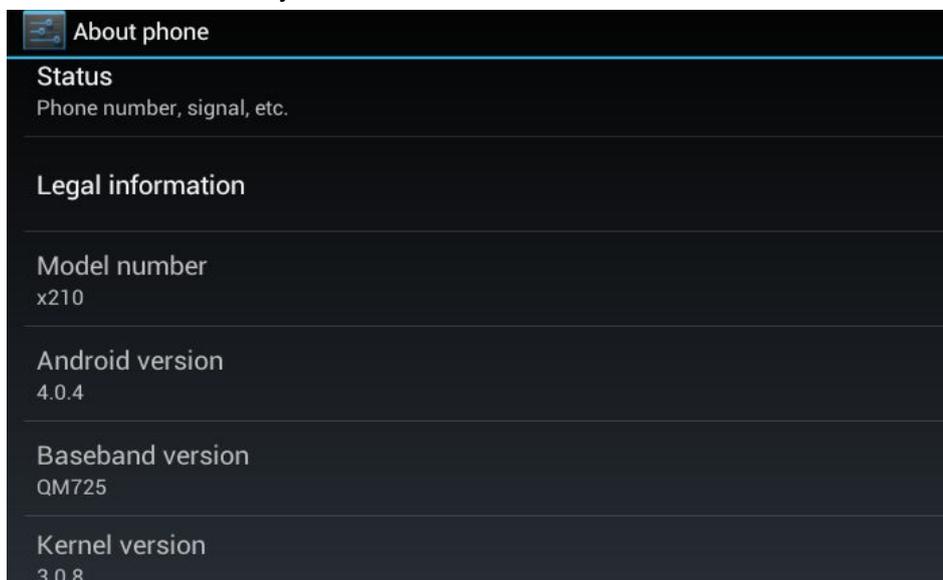


USB Debugging: The default is off. It will open when a communication software is installed such as 360 Mobile Application Assistant.

Stay awake: In the case of connecting external power source, the machine does not automatically go to sleep when this option is open.

10.2.9 About Phone

You can view the system version and firmware version of the machine.



Status: Open this option and can view the system parameters, such as: IMEI, WIFI IP addresses, signals, etc.

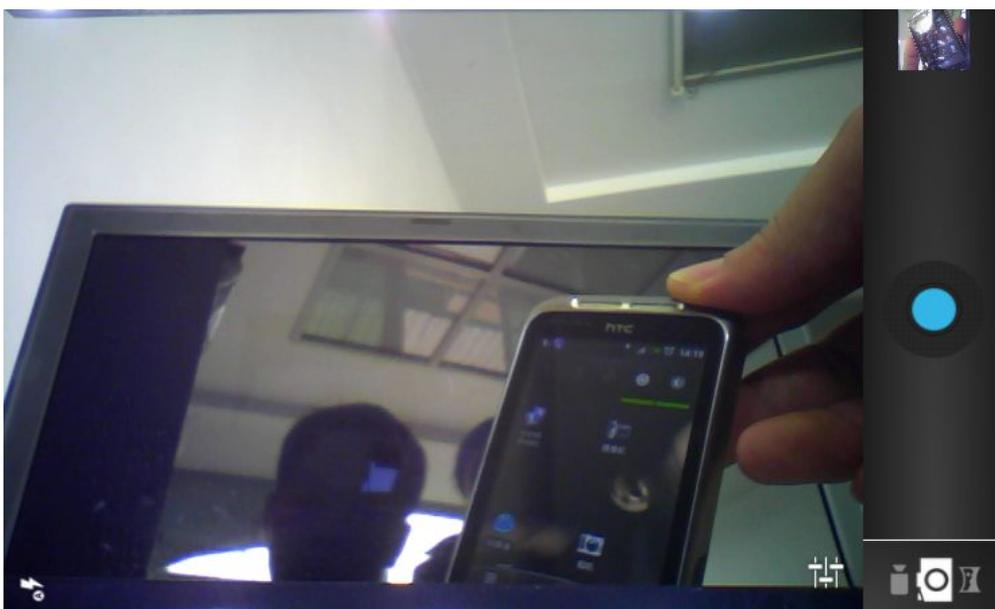
11. Camera



Click  to open the camera. The main function is to take pictures, record video and scan one-dimensional, two-dimensional code, view pictures pictures, play video files and so on. Open and save Pictures photos, recorded video files in the DCIM folder. (APK software is needed to be download when scanning one-dimensional, two-dimensional code)

Note: camera photos and video files default stored in the system SD1 card.

11.1 photo



Keys Introduction:



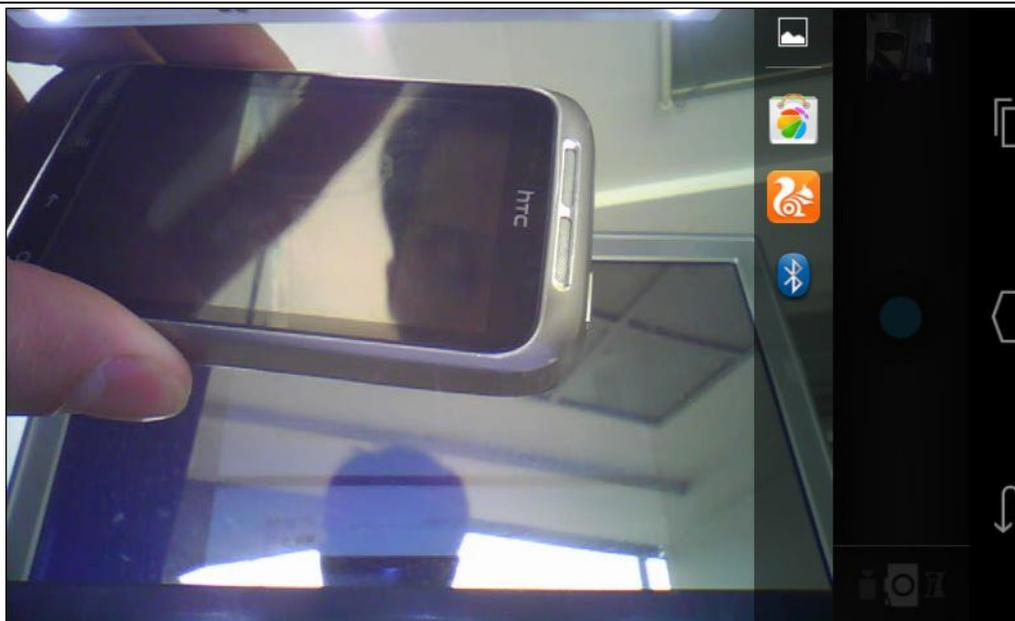
: Camera status display button, left to right: video, pictures, monthly photo mode.



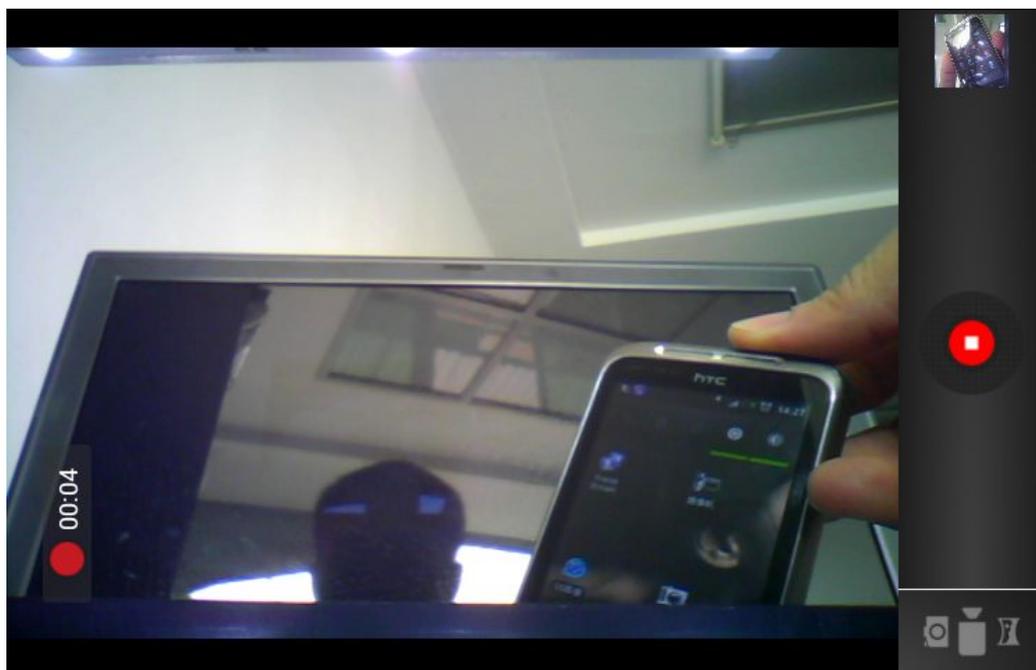
: take a photo



: view the photos here



11.2 Video



: turn on/off



: play a video

11.3 Barcode/QRcode scanner

In the Android Market to download and install camera barcode scanners (You can also use

the system automated testing tool  for testing). Open the barcode scanner, the

one-dimensional or two-dimensional code near or close to the camera to scan window, and scan one-dimensional, two-dimensional code scanning in the window. Then the machine can read the one-dimensional or two-dimensional code information, as shown below:



12. Thermal printer



Install and open the test tool **PC700Demo**, double-click the printer test program **PrinterTest**, selected by default serial port COM3 and 38400 baud rate, click on "Open Power", it appears "close Power, as shown below:



Testing tools function keys Description:

Timed Print :	Print the words at fixed time
Print:	print
Words Turn Pictures:	Turn the words to picture

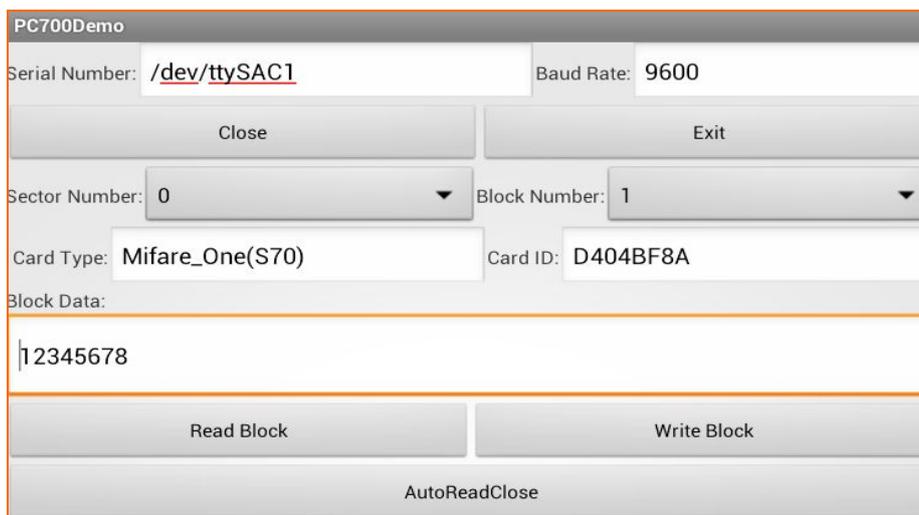
Open Picture:	Select and open a picture that you need to print
QR CODE	Turn words to QR code
BAR CODE	Turn words to bar code
Print Picture:	Print bar code/QR code/picture

Print roll Placement: Use your fingers scratch the print rolls, then put the paper side where there is the scratch traces facing down.

13. RFID Test and Use



Install and open the test tool PC700Demo, double-click the RFID testing program RFIDTest, select COM1 and 9600 baud serial number, click on "open", it appears "close", click on "Auto Read Write Block", it displays "Auto Read Open", the card reader is placed at the top of the window at 0 ~ 2.5cm, the reader is shown below:



➤ Write RFID card

The S70 card is placed on the reader window, click the "Auto Read Write Date" to display "Auto Read Card Close", input the string such as "12345678uu8rfeyu" in the "Block Date" window, then click on "Write Date" to write data, Click "Read Date" to read out the written data.

14. NFC Test and Use (optional)

NFC phone has three main functions: card mode, read mode and ad hoc mode. Card mode means that NFC device simulate a card, user can spend credit card after this card download the

application. Read mode means the NFC device can read card data such as the balance of bank cards and Bus cards and so on, and also can be used as a pos device. Point mode refers to two NFC devices can exchange data.

First of all, NFC tag is the important feature of NFC , which is actually a tiny little chip that can write some personalized features. Devices with NFC chips (such as: mobile phone) scan the NFC tags, it can respond to tag functionality immediately.

Download and install related NFC software,NFC tags will be placed at a 10 CM distance of NFC antenna.You will see the data of label is empty after scanning, because the data is not written into the tag.

◆ Read-in data

First,click on the scene working mode which u need and set up by yourself.Scan the NFC tag after set up, then will set the parameter in NFC tags successfully.

◆ Read NFC tag

Scan NFC tags in the apparatus unlock state, equipment prompt 'read', equipment will entering the scene work mode which in NFC setting.If you want to exit this mode, re scan the NFC tag.

◆ Reset the NFC tag data

Open the software and click on the the scene operating mode which you want to change,scan the NFC tag after set up, then you will set the parameters in the NFC tags and change the data successfully.

Note: Tag data record keeping time is about 10 years, and thenumber of erase data may be more than 1W.

◆ NFC Application

The application of NFC function is very rich, NFC technology can be applied to many scenes, such as mobile payments, bus cards, card, ticket ticket, file transfer,electronic card game, paired, smart posters etc..Through the NFC function with mobile phone to buy things,attendance, brush bus card or ticket, or with others to exchange business cards, transfer files, online game etc..Even if your mobile phone has no electricity, can still see it as a traffic card, and our hands of various induction card exactly the same.

If you would like to know more, check the relevant data please.

15. PSAM Test and use



Install and open the test tools PC700Demo, double-click the PSAM test program PSAMTest, select the serial number COM0 and 9600 baud rate, click on "open", which shows "close", select the SAM1(wild card) or SAM2 (internal), click on the "Card Reset","Get Random" or "select Master", below the box display a group of 16 hexadecimal number, card as shown below:

The screenshots show the PC700Demo app interface with the following details:

- Serial Number: /dev/ttySAC0
- Baud Rate: 9600
- Buttons: Close, Exit, CardReset, GetRandom, SelectMaster
- Radio buttons: SAM1 (selected), SAM2
- Output boxes containing hexadecimal strings:

Screenshot	Hexadecimal Output
1	AA103B7B18000020900004FBFFFF96AB5B5055
2	AA0AAD1A41BBEF17596B900055
3	AA02611755

16. HDMI

After the boot, the HDMI line is connected with the HDMI interface and the display, the screen will display synchronization.

Note: This machine system HDMI video output do not need any setting, only HDMI line is connected to the machine, the system will automatically detect and output image.

17. RS232 testing

Connect the machine and the computer by RS232 port line, then install and open the test tools, double-click the serial test tools,select "ttSAC2" serial port number, baud rate 4800 ~ 115200, click "open", receiving data box can receive the data from computer, sending the data transmitting a data frame, the computer can receiving the data, the following diagram:



18. File management

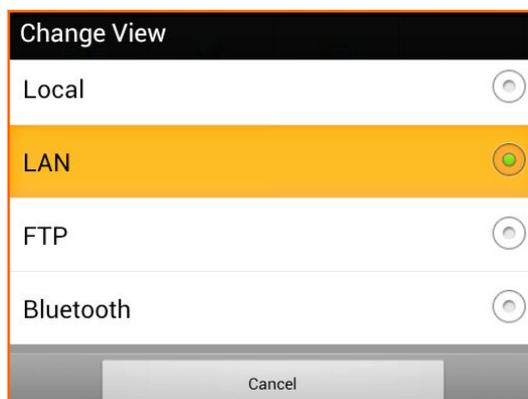


Open the file manager program [ES File Explorer](#), the system default directory into the SD1 card; click the red box, enter the system main contents, then you can see 'sdcard', namely SD1 card drive; Removable disk 'USB' or 'ext_sd' expansion drive information,support copy, paste,delete file operation between the three letter.

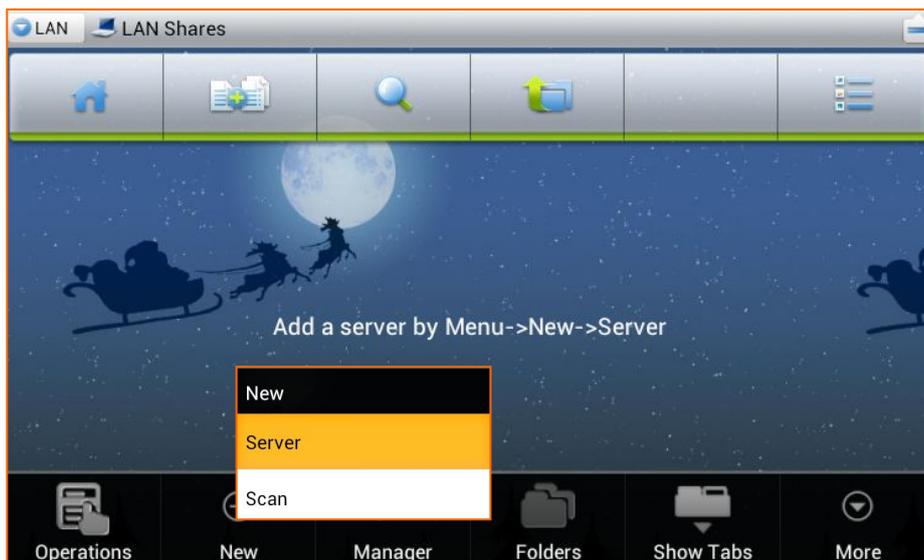


➤ Lan sharing

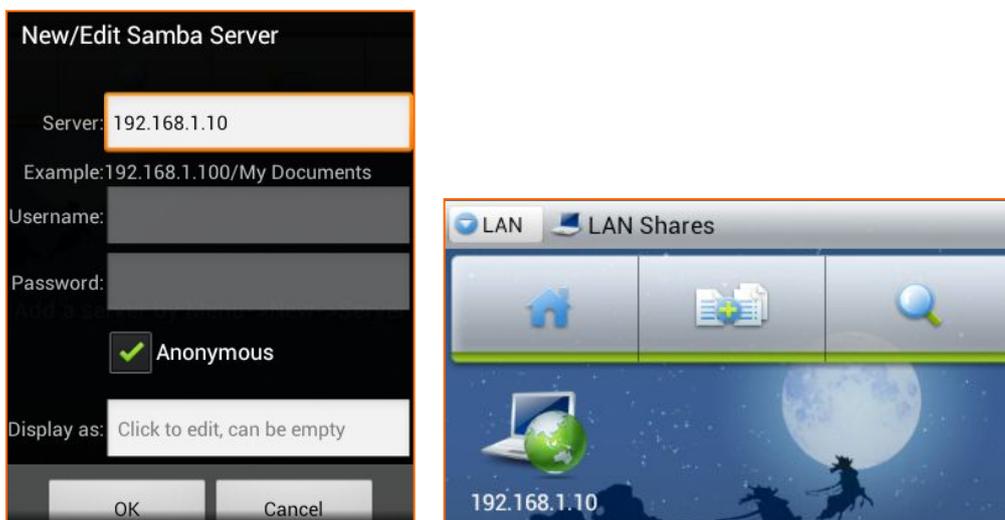
Click on the  button, pop up the following box, choose the lan.



According to the panel on the 'Menu' pop-up box select 'New', select 'Server' as shown below:



Enter a shared network IP address in the pop-up box,select Anonymous options,click 'OK',as shown below :



Click to share network icon, as shown below:



19. TF card restoration

Insert TF card after the boot, sometimes may not be able to identify the TF card, if still could not recognize the TF card after re inserted TF card,try to fix the TF card.

There are two repair method :

➤ **Recovery the TF card by using the reader in the PC machine.**

Put the TF card into the card reader, select the drive, click on the 'right click' select 'properties' in the pop-up box, select 'tools', began to 'check', as shown below:



Repair was performed according to the figure below, click "start", as shown below:



➤ **Repair by the PC running menu**

First,click 'run' in the start menu, type 'CDM' and determine,then run the 'chkdsk' H:/F (H: TF card drive, /F is repairing parameters), as shown below:



```
ev C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.

C:\Documents and Settings\Administrator>chkdsk H:/F
文件系统的类型是 FAT32。
卷序列号为 453C-14ED
Windows 正在校验文件和文件夹...
已完成文件和文件夹校验。
Windows 已检查文件系统并确定没有问题。
总共有 7,745,748 KB 的磁盘空间。
31 个文件夹中有 128 KB。
89 个文件中有 1,756,420 KB。
5,989,192 KB 可用。

每个分配单元中有 4,096 字节。
磁盘上共有 1,936,437 个分配单元。
磁盘上有 1,497,298 个可用的分配单元。
```

You can also use this method in TF card repair if computer could not open the TF card.

20. Video test and use

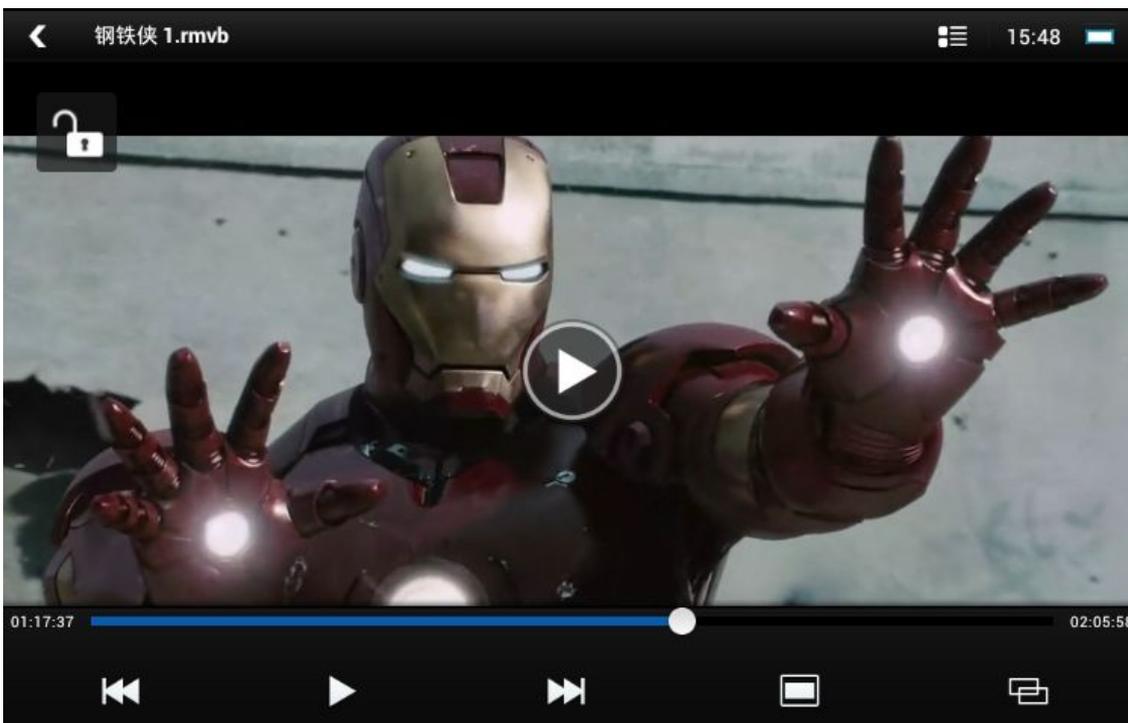
Put the video file on the SD1 card, U disk or the extend letter 'ext_sd', open and operate the video player(support MP4 format video) or download the video player which is support RMVB format video from the internet.

Note:This test only use with the MP4 or RMVB format video download from the internet.For reference only, for other formats or some high bit rate video playback, and the effect may not be the same.

- Play 1024×426 The Hobbit MP4 format video file are played smoothly.



- Play 1088×592 Glacier century.Rmvb format and 1024×576 Iron man .rmvb format video file are played smoothly.



21. USB HOST Port Testing

USB HOST port can connect a variety of USB equipment,such as: U disk, mouse, keyboard, barcode gun or other USB device.

➤ U disk usage

The System will detects the mobile disk after you put the mobile disk into the USB interface, open the menu of 'ES File Explorer' which is a file management program. Then enter USB disk directory,you can browse the mobile disk contents, as shown below:



➤ Barcode gun usage

Plug the USB barcode scanner into the USB port,then open a text box or the message input box,after the one-dimensional code scanner worked and scanned,the input box will generate a bar code.

22. Touch screen Testing

The android system comes with tools to test the touch effect.Step as following:

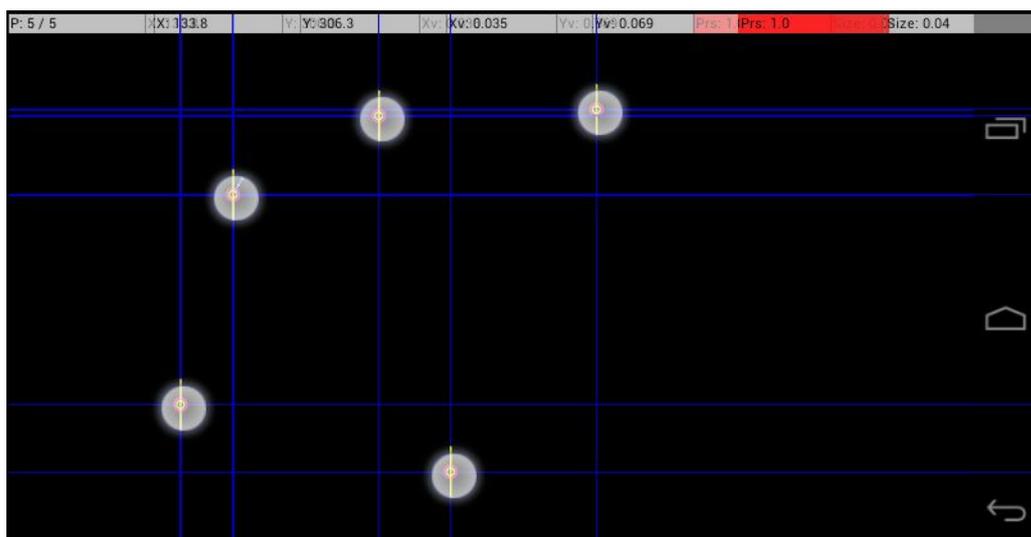
➤ Select Dev Tools



Select Pointer Location



Click on the screen and slide, Sliding track will be displayed on the screen, compare with the sliding track between screen and finger. You can determine the calibration parameters whether your touch is accurate or not.



Capacitive touch screen support 5-point simultaneous touch and touch offset phenomenon does not occur.

23. System Programming

We have pre-installed programs in the SD card1 (system built-in card). If customer needs to upgrade the system with a new program, please install the new program on the main directory of SD card 2 (external SD card) in your home directory, and then press the “upgrade button” to upgrade.

Steps are as follows :

- 1.create a new folder named “sdfuse” in the external SD2 upgrade card (extended memory interface next to the battery, use a 2G or 4G TF card and its format: FAT32).
- 2.Copy the four program files to the “sdfuse” folder and pull the SD2 card into the Press the “power on/off” key while press the direction keys up and down.
- 3.In this case, the upgrade interface displays a white background, while burning program, the seven options are displayed OK.If the system enters the Android interface automatically,it means the programming process is completed.

If the system built-in card works abnormally or need to replace the card, you could adopt the same method . System Card can also be programmed as an upgrade program card, you just follow the above method without formatting. Place the system files “sdfuse” in the system card and

insert the card in the expansion memory interface then it can be programmed.

24. FAQ

Question 1 : WI-FI disconnected ? After disconnecting, will automatically search for connections?

- 1、 Confirm that WiFi is turned on, the connection setup parameters are correct
- 2、 Check whether the wireless router's transmit power to meet the requirements, generally unimpeded WiFi distance of 100 meters, Separated by a wall from 20 to 30 meters.
- 3、 Confirm that network signal strength is good
- 4、 After opening the WI-FI network, after re-boot, WI-FI will open automatically; When the signal is stable, due to WI-FI network, WI-FI will open automatically.

Questions 2 : Connected 3G, why can not always connect to the network?

- 1、 The area where the equipment is no signal or the signal is too weak
- 2、 After using wifi or limited network, 3G need to re-open
- 3、 Check the 3G card is configured with the appropriate 3G module
4. If there is sufficient money in 3G card.

Question 3: 3G module supports text messaging, phone call functions?

- 1、 Customer demand for functional needs, if necessary, we will choose to support text messaging, phone calls features 3G module, we will alternate Phone handset interface.

Question 4: TF card programming system can not be used ?

- 1、 TF Card should be formatted into FAT32.
- 2、 The programmer did not put into sdfuse folder, and the file in the first directory of TF card
- 3、 Programming process, the machine may not recognize some types of TF card, Suggest the 2GB and 4GB TF card of the SanDisk Brand.
- 4、 TF card has contact problem between the socket./TF card are poor contact with the socket.
- 5、 When the card is abnormal or if it is damaged and can not enter the system, the card needs to be replaced, follow the procedures as described above for the programming of the system.

Questions 5: Do wifi, RJ45 network, 3G can simultaneously use ?

1、 Network priority sequence is: Wifi internet => Wired Network => 3G network, that is both open cases, priority former, the latter will be automatically disconnected.

2、 Disconnect the highest priority network, if the need to choose a lower priority network, the need to re-open the lower priority network.

3、 In the use of RJ45 network, plug in the RJ45 module after the boot,you need set one time the static IP first,and the network icon will be displayed normal.(normal:icon in blue)