

TT35

Quick Guide Android 4.0.3



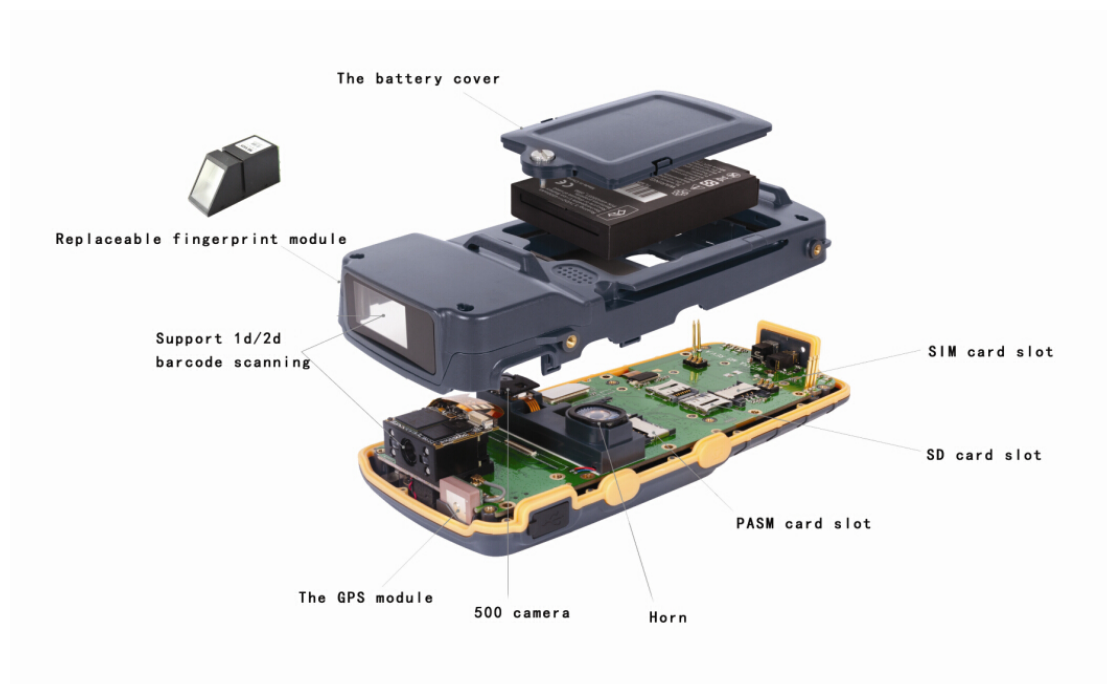
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TT35 SPECIFICATION

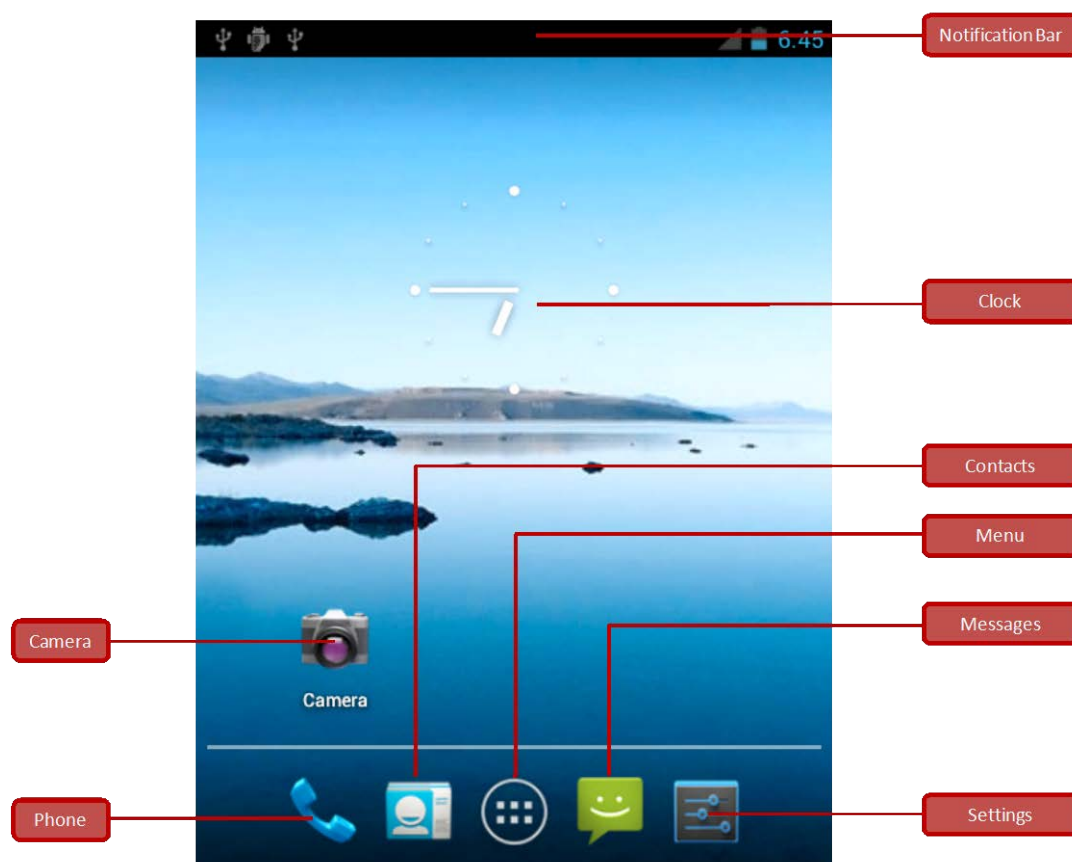
BASIC INFOMATION		
	PROCESSOR	Texas Instruments AM3715 1GHz
	STORAGE & MEMORY	RAM 512MB ROM 512MB
	OS	Android 4.0.3
	CONNECTIVITY	1. Bluetooth 2.1
		2. WIFI 802.11b/g/n
		3. GPRS/HSPA/EVDO
	GPS MODULE	Ublox
PC CONNECTOR	Hi-Speed USB 2.0 (Mini-B)	
TF Card	microSDHC	
SCREEN		
	SCREEN SIZE	3.5-in VGA LCD
	SCREEN RESOLUTION	480 × 640
	TOUCH SCREEN TYPE	Resistive touchscreen
	BACK LIGHT TYPE	Transflective screen, Back lighting, visible under sun
CAMERA		
	MEGAPIXELS	5MP
	FOCUS	Autofocus
	SCAN DISTENCE	5cm～30cm
	IDENTIFICATION RIGHTNESS	No light no less than 13Lx and can identify 0.3Lx with fill light
EXPANSIBILITY		
	BARCODE MODULE	NewLand: EM1300
		NewLand: EM3000
		Symbol: SE955
		Symbol: SE4500SR
		Honeywell: N4313
	RFID MODULE	1. UHF RFID 900MHz
		2. HF RFID 13.56MHz(ISO/IEC 14443A/B, 15693)
		3. LF RFID (125KHz, 134.2KHz option)
	EXPANSIBILITY	Optical Fingerprint Identification
Semiconductor Fingerprint Identification		
COMMUNICATION(HSPA)		
	COMMUNICATION MODULE	GSM/GPRS/EDGE 850/900/1800/1900/2100MHz
	COMMUNICATION ABILITY	Downstream: 14.4Mbps Upstream: 5.76Mbps
COMMUNICATION(CDMA EVDO)		
	COMMUNICATION MODULE	CMDA dual-band 800/1900 MHz
	COMMUNICATION ABILITY	Downstream: 3.1Mbps Upstream: 1.8Mbps
PHYSICAL		
	SIZE	175mm * 77.5mm * 24.4mm
	BATTERY	4500mAh 3.7V
	WORK ENVIRONMENT	Temperature Range: -20℃ ~ +50℃
		Humidity Range: 5% ~ 95% (no condensation)
		Within the scope of operation, 6 surface can withstand the impact of falling to cement floor from 1.5 meters in height
		Scroll Specification: 1000 times 0.5m 6 rolling contact surface
		Seal Grade: IP65

1 EXTERNAL STRUCTURE DESCRIPTION

























2 HOME SCREEN

Home screen shows some important information, such as missed calls and messages. Touch the shortcut menu to make a call, take photos, check or send messages directly and so on.



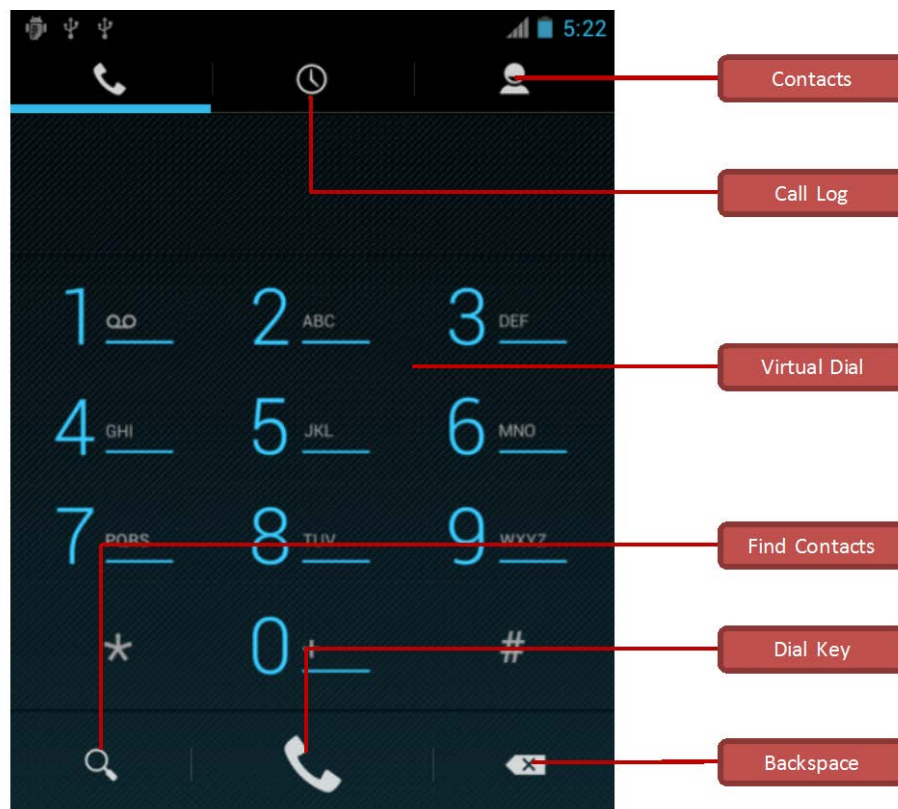
2.1 Notification Bar Icons

	Signal strength		No signal
	GPRS network connected		EDGE network connected
	3G network connected		HSPA network connected
	Roaming		Airplane mode
	Bluetooth on		Receiving location data from GPS
	Speaker activated		Alarm enabled
	Vibration mode		Silence mode
	Call muted		Charging
	Battery full		Battery extremely low
	Call in progress		Missed calls
	Call in progress using a Bluetooth headset		New mail in your Gmail account

3 OPERATION INSTRUCTIONS

3.1 Dialing

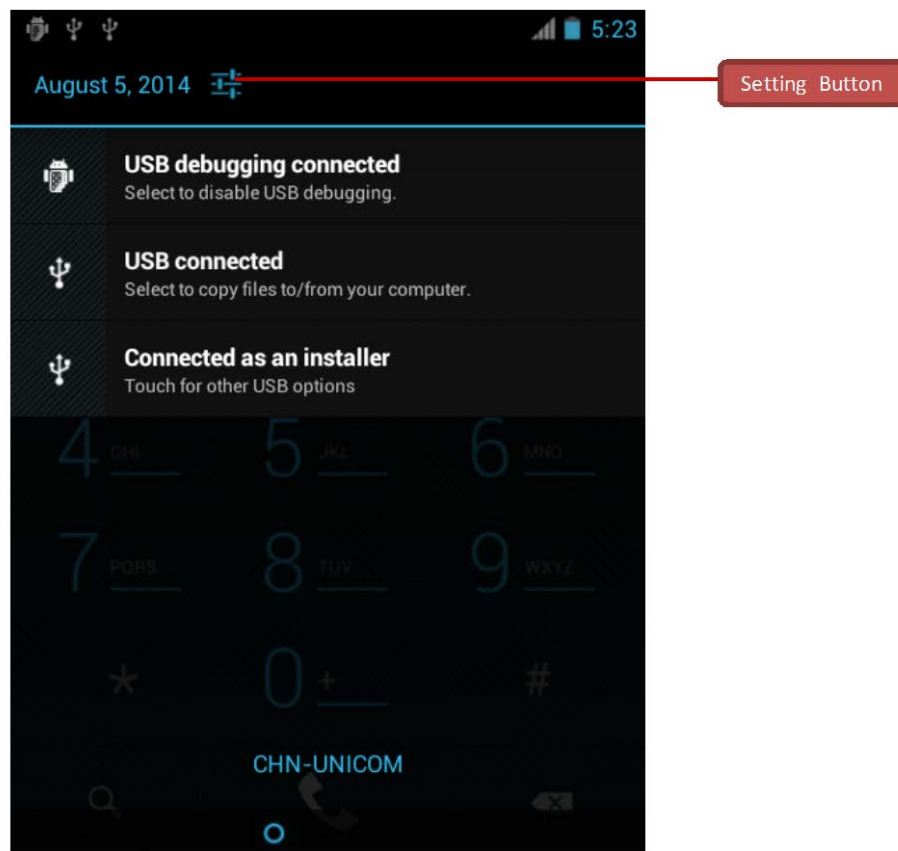
Click **Phone** at **Home Screen** into dial interface. As shown in the figure.



You can use the **Virtual Dial** or press the buttons on device to input number. Click **Dial Key** or press dial button to call. Delete error input by **Backspace** or delete button. **Call Log** can view all related records. And you can see all saved phone number in **Contacts**.

3.2 Notification Bar Drop-down Menu

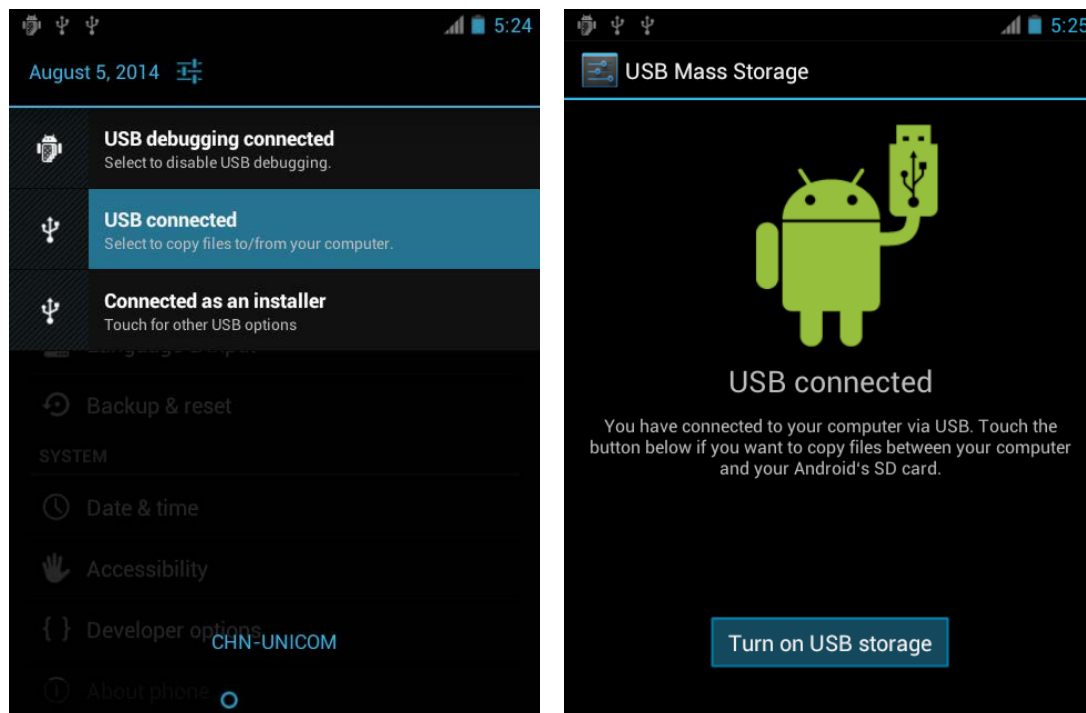
Sliding down the **Notification Bar** and you will see the following interface.



There are prompts about connect USB cable and SIM card status. Clicking **Setting Button** could enter system settings directly.

3.3 File Transfer Instructions

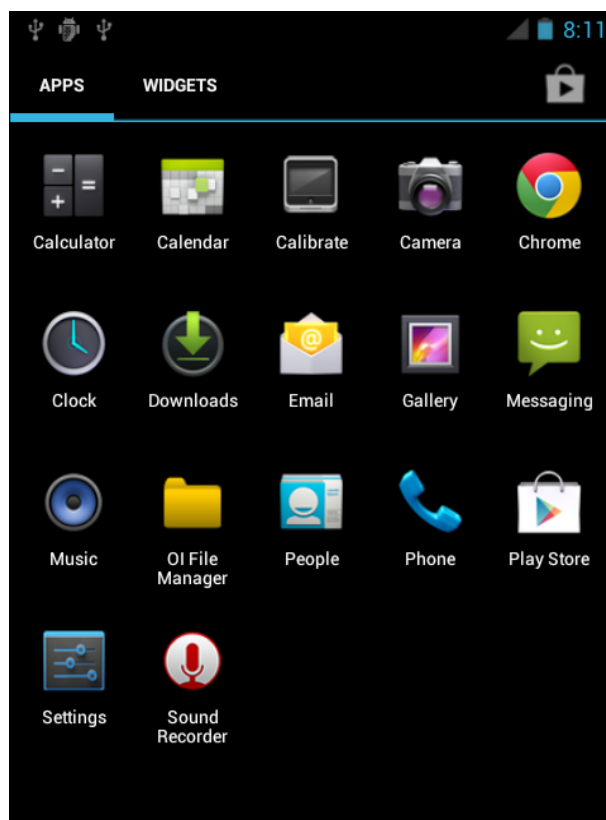
Put a memory card in default card slot, check **USB debugging** and the specific process is **Settings→{}Developer options→USB debugging**. Connect device and PC with USB cable and you will see the first picture after sliding down the **Notification Bar**.



Click blue part in first picture to get into the second one. Click **Turn on USB storage** and android robot will turn into orange after connecting successfully, a removable storage device will display on computer. You can read and write the memory card like operation U disk now. You can install applications by memory card. Firstly copy installation files(*.apk) of app to SD card, then Turn off USB storage and find the file in SD card, the specific process is **Menu→OI File Manager**. Click and install it.

3.4 Main Menu

Click Menu in Home Screen, you'll see picture below.

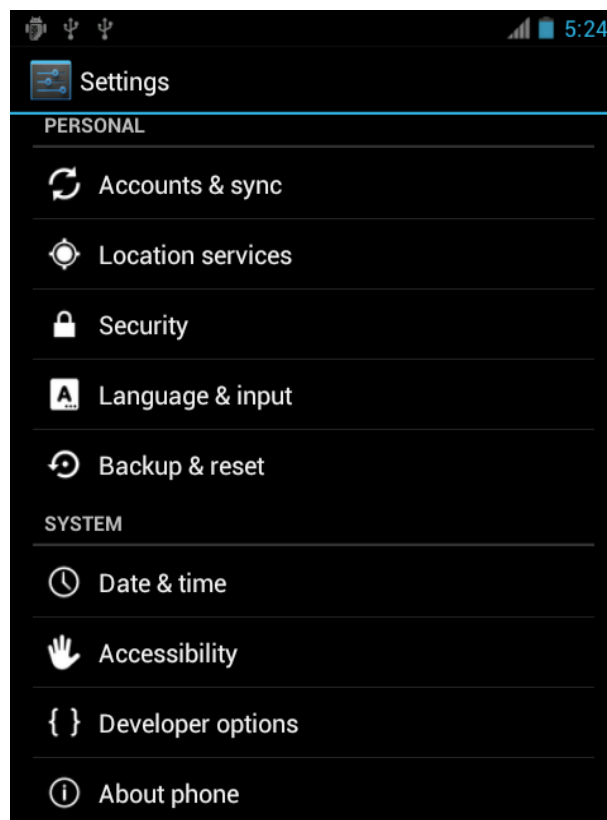


All about system apps, settings and installed third-party apps are listed here. Click icon to start it. The screen can't display completely If the icons are too many that a screen, please slide around to show more. Long press parts in **WIDGETS** to add to **Home Screen**.

3.5 Settings Menu

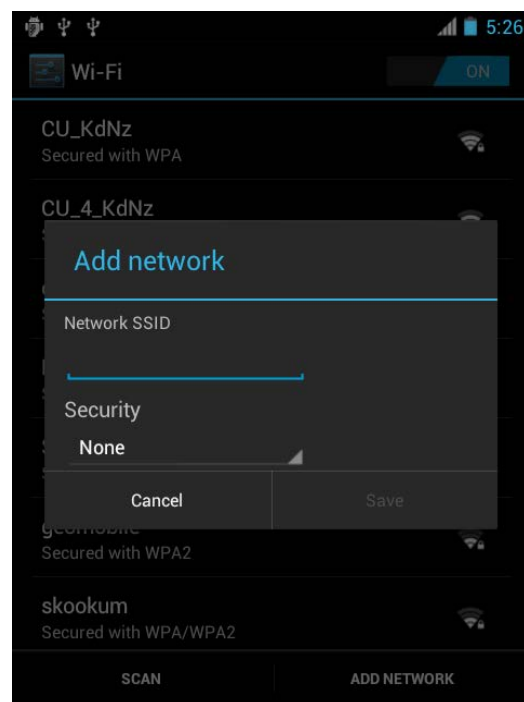
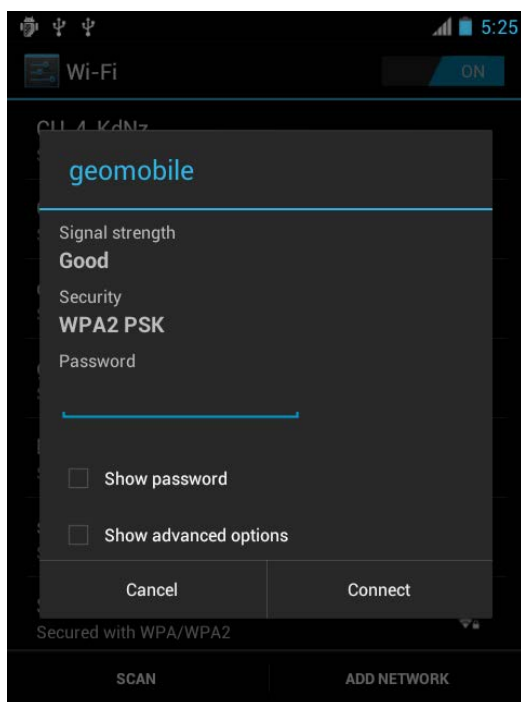
Click Settings in **Home Screen**, **Menu** or **Notification Bar** to enter the following interface.

All settings about device are listed here. A total of four classes: WIRELESS & NETWORKS, DEVICE, PERSONAL and SYSTEM. Slide up and down to show more. If you want to use wifi, please open Wi-Fi and connect it. Click Sound and remove the tick of Touch sounds if you want to cancel Touch sounds. The specific process of factory reset in settings is **Backup & reset→ Factory data reset**.



3.6 Wireless Network

You can surf the net when the device is in wireless network environment. Go into **Settings**, turn Wi-Fi ON below WIRELESS & NETWORKS. Then the network is available. Choose the hotspot you want to connect directly, input password. If it is a network hidden SSID, please click **ADD NETWORK**, input SSID and select the security type.

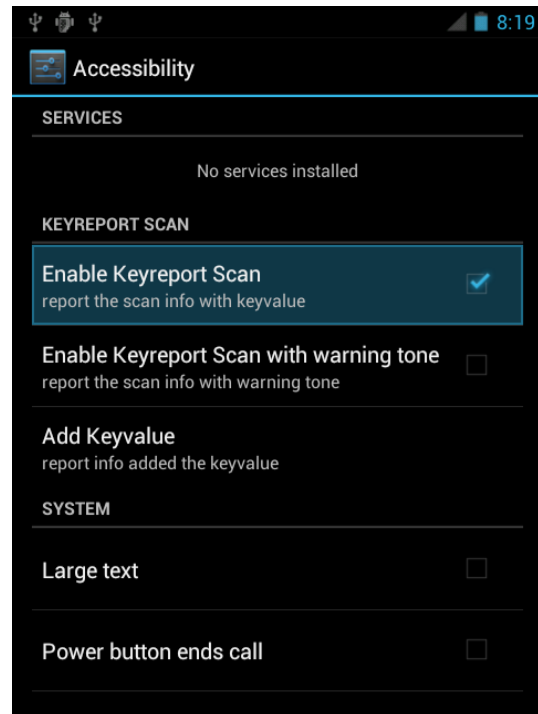


VPN settings steps:

Firstly ensure device has connected to network. Then enter Settings→More...→VPN and do set a kind of screen lock. Click Add VPN network, input a name like Vpn and server address. Click Save after inputting the data. Finally, input username and password and connect.

3.7 Focus Scanning

The cursor is in an input status, the device can scan barcode and input the result to where cursor is by pressing **SCAN KEY**. Before implement it, you should do a setting. Go into **Settings** → **Accessibility**, and check **Enable Keyreport Scan** just like the pictures below. Then you can use **Focus**



Scanning. Check **Enable Keyreport Scan with warning tone** to hear a chime after scanning successfully.

Note: 1. You should designate the position of cursor before using Focus Scanning and use default input method, or you won't see the messages about barcode.

2. The Add Keyvalue under Enable Keyreport Scan is an option for Focus Scanning. You can choose one to add nothing, a table or an enter after the barcode messages.

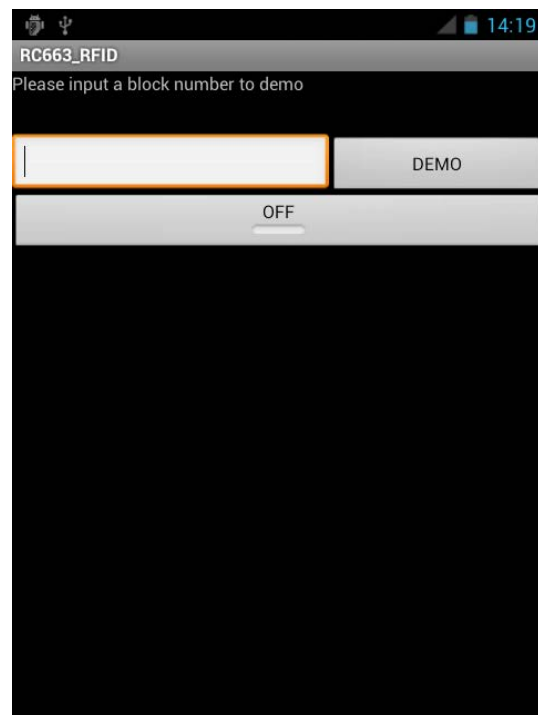
3. Make sure the Enable Keyreport Scan is not checked when using Barcode scan Demo we provided. You can't use Demo and Focus Scanning at the same time.

3.8 About TF Card

The device has two TF card slots. Located above a SIM card slot on the **left** side of the **/mnt/sdcard2** card slot is not the default one , but you can visit it. And the other **/mnt/sdcard** is mounted by default. Data on the drive can be 1,4,8. Hardware can connect up to 8 bits.

3.9 RFID (optional)

If the phone has RFID module , open **RC663_RFID** application. Place a Mifare One card to the reader range, input a sector number and click **DEMO**. The screen will display the information after reading and writing this sector.



When develop application is related to RFID Please contact the phone manufacturer to get more information.

4 SPECIAL CUSTOMIZATION INSTRUCTIONS

This phone has many reserved port to meet the customization. It can connect with RS232, I2C, RS485 and other interface's peripherals or some function modules. Please contact the phone manufacturer to get more information.

5 NORMAL MODEL

Num	Model	Specification
1	TT35A-S TT35 Standard	Standard configuration: BT/ GPS/ GPRS/ WIFI/ 4500mA battery/ 3.5"LCD/ WCDMA/ charger/ cable/ Industrial packaging
2	TT35-NL 1D Infrared barcode scanner	Standard + Newland EM1300 Support Code128, UCC/EAN-128, EAN-13, EAN-8, UPC-A, UPC-E, ISBT 128, AIM 128, ISBN/ISSN, Interleaved 2 of 5, Code 39, code 93, Code 11 ...
3	TT35-NL2D 1D&2D barcode scanner	Standard + Newland EM3000 1D&2D barcode scanner Hardware decoding
4	TT35-SY 1D laser scanning	Standard + Symbol SE955
5	TT35-R60 RFID	Standard + HF RFID module 13.56MHz 14443/15693
6	TT35-D6	Standard + U BLOX GPS moudle
7	TT35-N43 1D laser scanning	Standard + Honeywell N4313
8	TT35-SE45SR Symbol SE4500SR scanner	Standard + Symbol SE4500SR

6 SPECIAL MODEL(optional)

6.1 TT35 Embedded RFID

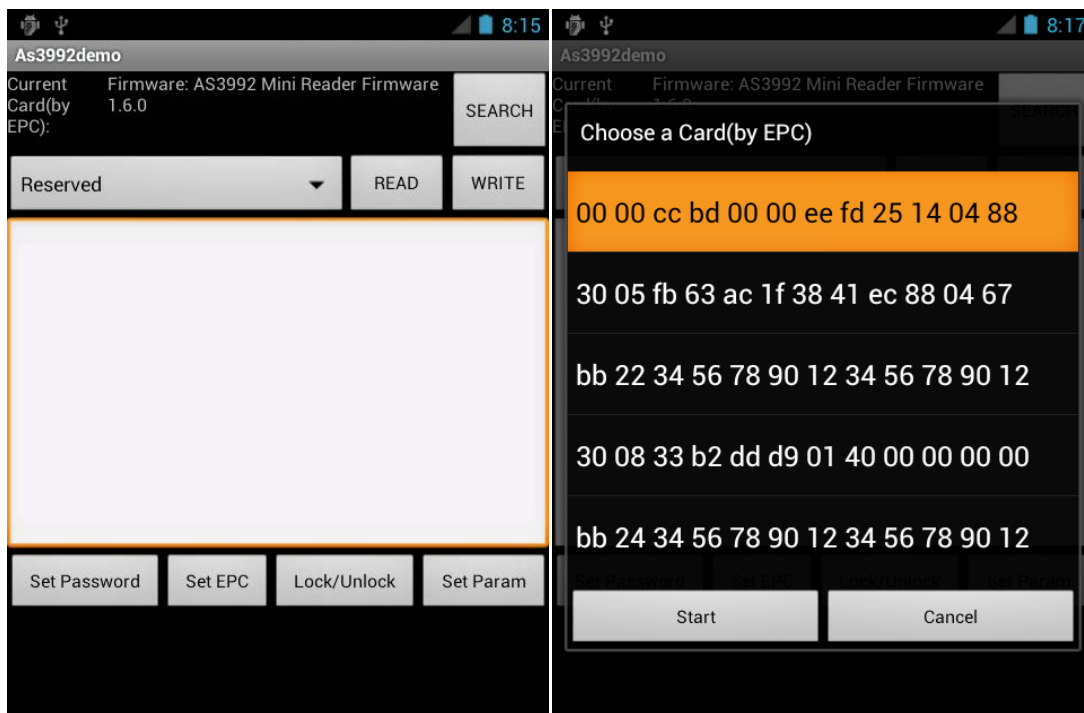
6.1.1 UHF Device Introduction

The freq of UHF module is 900MHz , the device with UHF module will add a “-UHF” behind the normal name, such as “TT35-NL-UHF”.



6.1.2 UHF Demo

If the device has UHF module, choose **As3992demo** in menu, and enter ISO18000-6C, as shown in fig:



First click **SEARCH** key, a dialog will popup. Click **Start** key to begin to search card. When a card is in the valid range, its EPC will be listed in the screen. Click **Stop** key and click the EPC directly to select the card. It will go back to main window, and display the EPC in status bar if it succeeds. Now you can operate the card(read/write/lock).

More information about this demo and developing code please contact the manufacturer to acquire.

6.1.3 LF Device Introduction

TT35 has two types of LF RFID modules. One's freq is 134.2KHz(LF1) and the other's is 125KHz(LF2). The device with LF RFID module is named after a "-LF*", such as "TT35-NL-LF2".

6.1.4 LF Demo

If the device has LF module, choose **LFRFID** in menu to enter demo, as shown in fig. Click **OFF**, The demo is available if it turns to **ON** and the green bar light on. Place a card near the RFID read area, the card's content will display on the screen.



More information about this demo and developing code please contact the manufacturer to acquire.

6.2 TT35 Embedded Printer

TT35 can attach an embedded printer, see the picture below. It can print text and barcode. Page width is 5.5cm .

Note: The device with printer needs two-cell battery motherboard with 7.4V battery.



7 CUSTOMER SERVICE AND TECHNICAL SUPPORTER

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