TT35A

Quick Guide

Android 4.0.3

SPEEDATA®
思必拓

北京卓享智和科技有限公司
http://www.speedata.cn/

TT35A SPECIFICATION

BASIC INFOMATION		
	PROCESSOR	Texas Instruments AM3715 1GHz
	STORAGE & MEMORY	512M FLASH, 512M SDRAM
	OS	Android 4.0.3
	CONNECTIVITY	1. Bluetooth 2.1
		2. WIFI 802.11b/g/n
		3. GPRS/HSPA/EVDO
	GPS MODULE	Ublox The 6th Generation (option)
	PC CONNECTOR	USB 2.0 High-Speed
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: SE4500
	RFID MODULE	1. UHF RFID 900MHz
		2. HF RFID 13.56MHz(ISO/IEC 14443A/B, 15693)
		3. LF RFID（125K, 134.2K option）
	EXPANSIBILITY	Optical Fingerprint Identification
		Semiconductor Fingerprint Identification
COMMUNICATION		
	COMMUNICATION MODULE	GSM/GPRS quad-band 850/1900/2100 MHz
		CMDA dual-band 800/1900 MHz
	COMMUNICATION ABILITY	WCDMA HSDPA+ Upstream: 14.4Mbps Downstream: 5.76Mbps
		CDMA EVDO Upstream: 3.1Mbps Downstream: 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
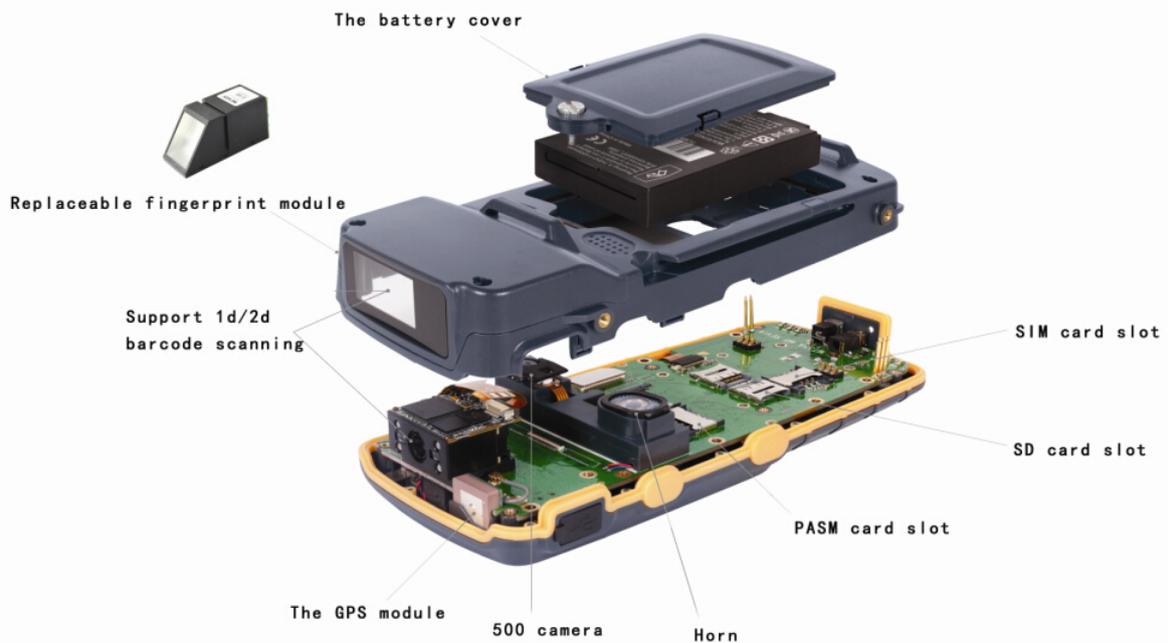
2. HOME SCREEN

Home screen shows some important informations such as missed calls

and messages. Touch the shortcut menu to make a call, take photos,

check messages and so on directly.
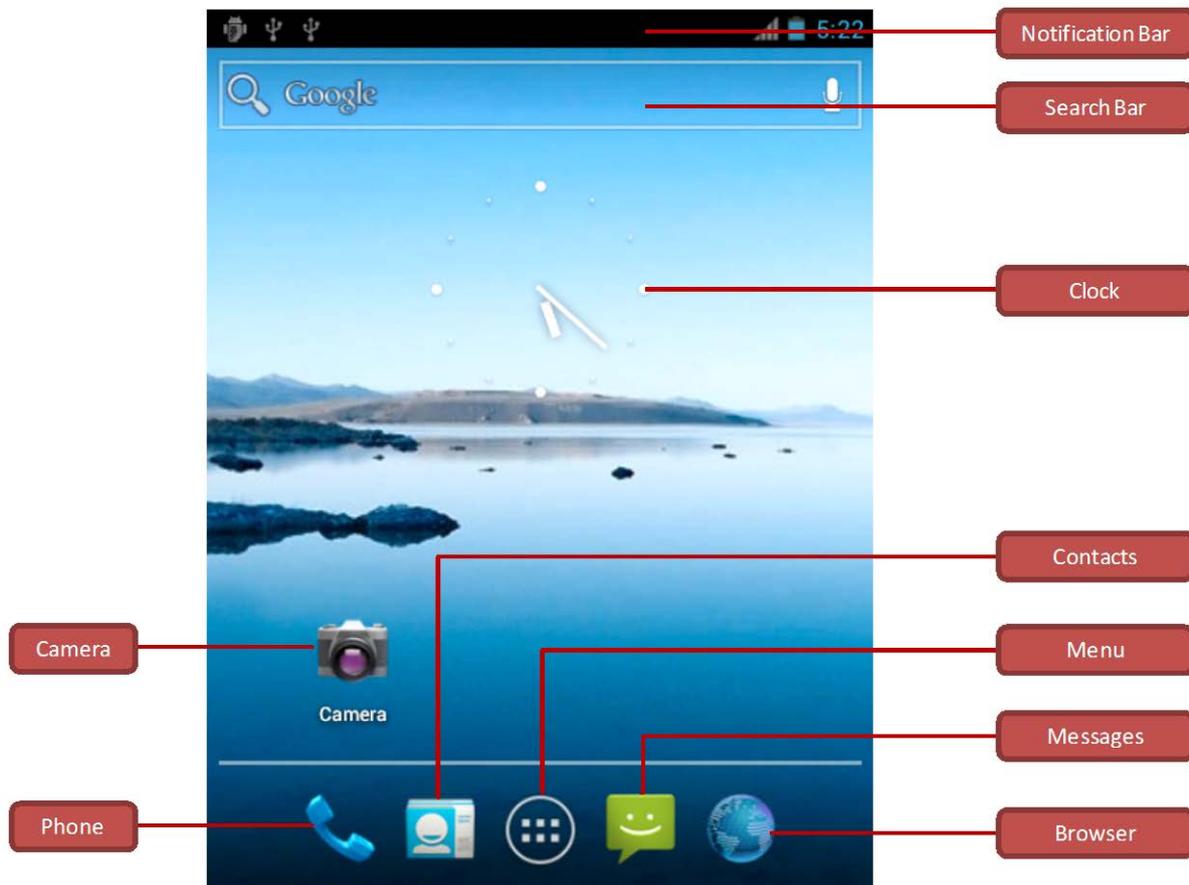
2.1 Notification Bar Icons

📶	Signal strength	✕📶	No signal
G	GPRS network connected	E	EDGE network connected
3G	3G network connected	H	HSPA network connected
R	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 the Phone at Home Screen into dial interface. The following figure:
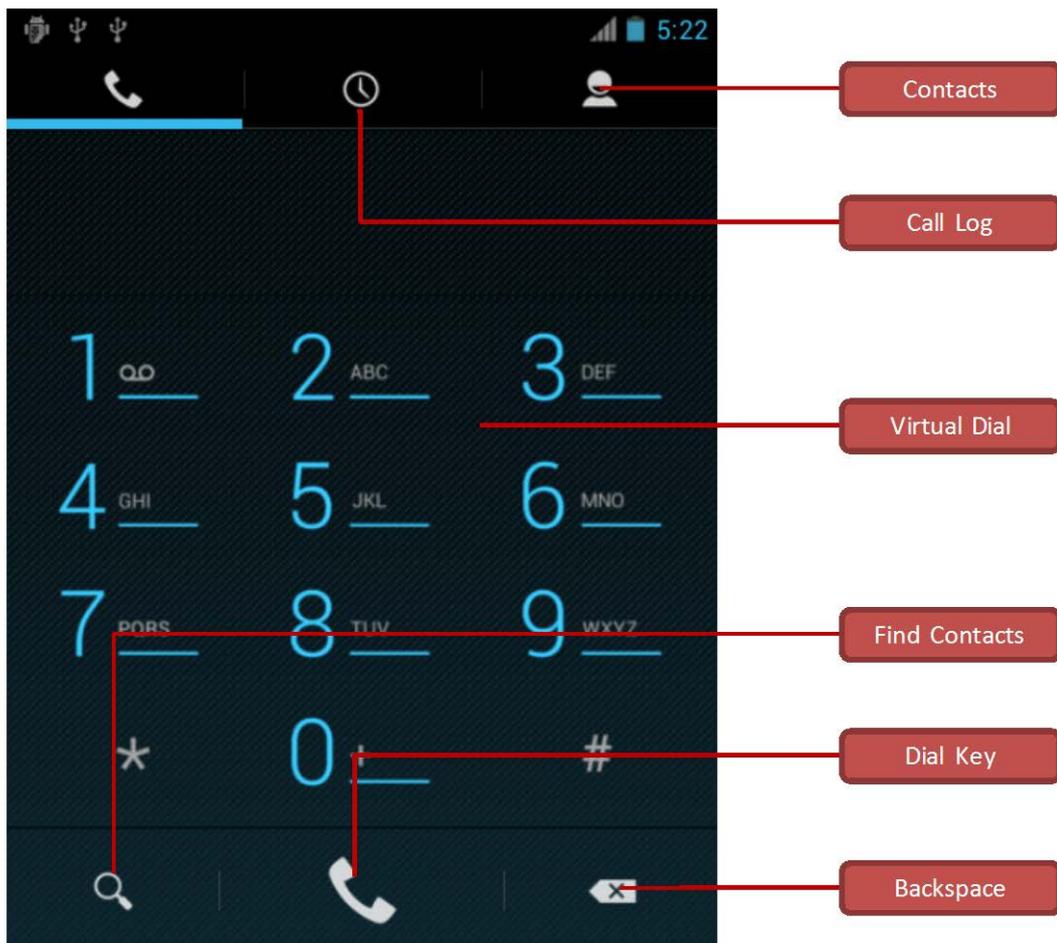
3.2 Notification Bar Drop-down Menu

Click the Notification Bar downward-sloping, open the following

interface:
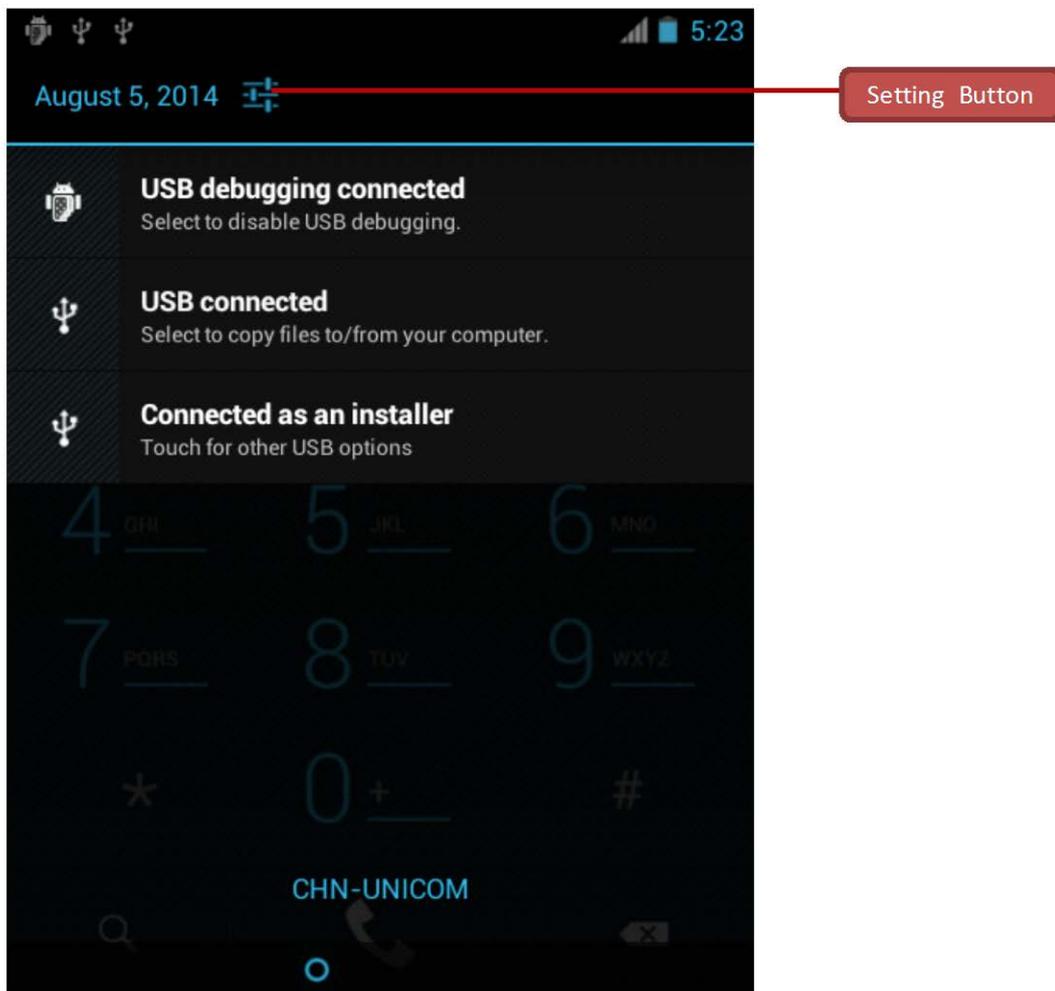
3.3 Main Menu

Click Menu in Home Screen, you'll see the picture below:
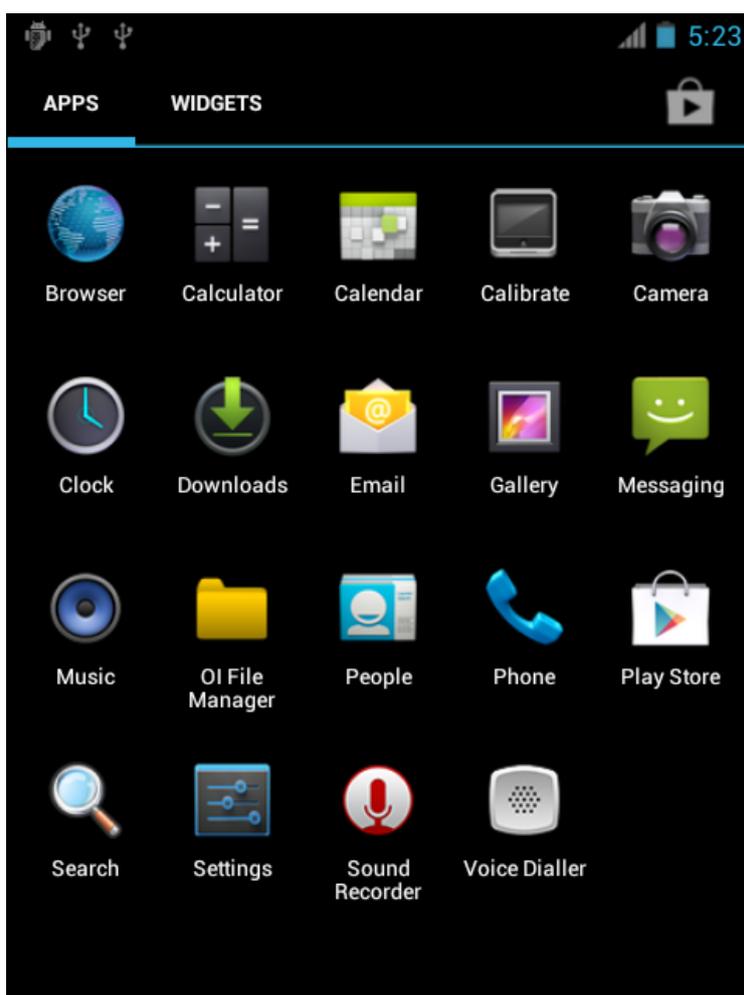
All apps are list here, click the icon to start the application. If there are too many icons can't display on this screen, please slide finger to the left to show more icons. Click or slide to the widget, long press parts to add to the desktop.

3.4　Settings Menu

Click Settings at Main menu, as shown in fig:
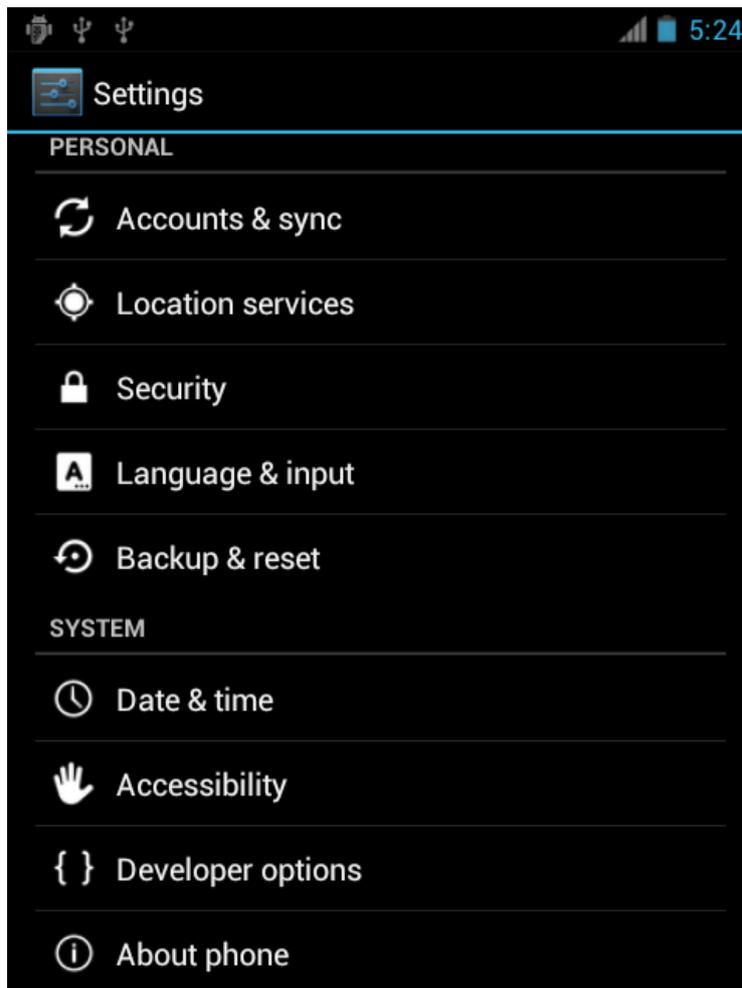
All the settings about the phone are list here, such as Wi-Fi, Language &

input and Apps. Slide up & down to see more settings.

3.5 File Transfer Instructions
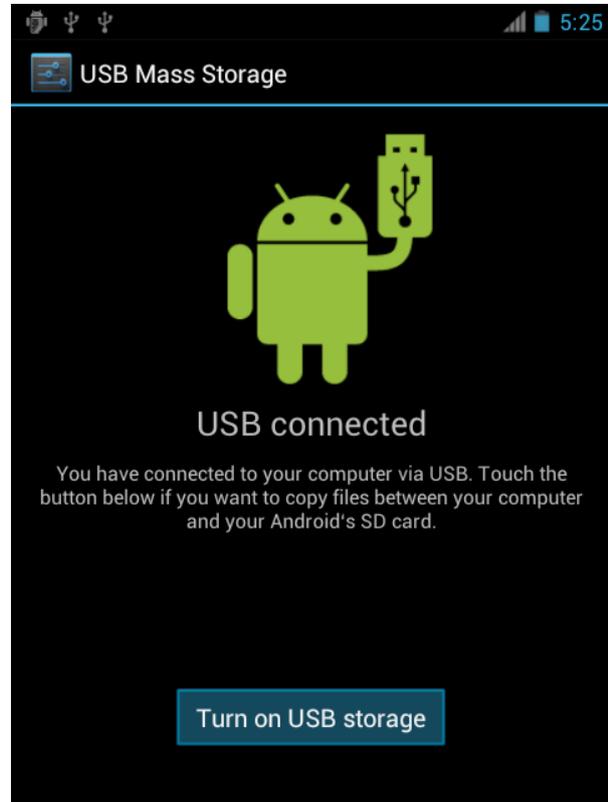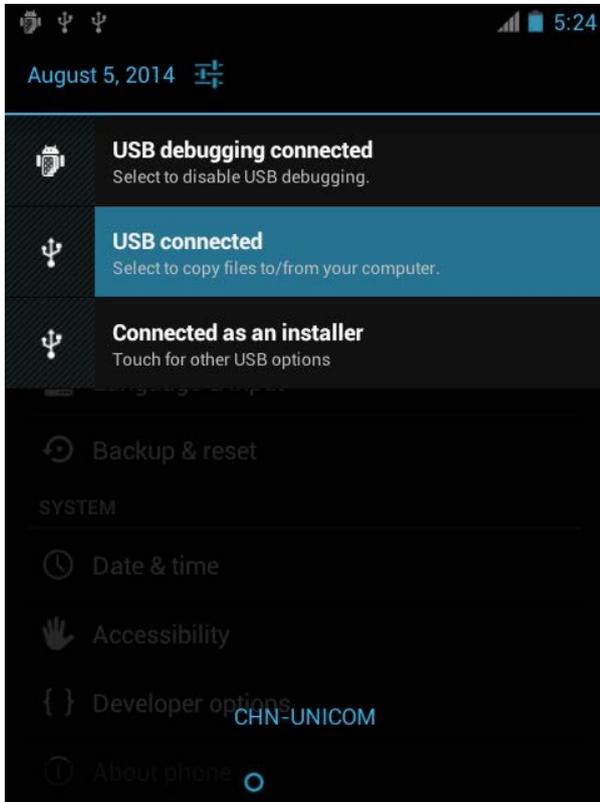
Ensure that the TF card installed well and the USB cable is connected to PC well. Drag down the Notification Bar and click the USB connected, turn to next picture, click Turn on USB storage. When successful, the robot will change to orange. Now the pc will notice you a removable storage device is connected, you can use it just like a u-disk.

3.6 **Wi-Fi**

The device is in wireless network environment and can use it. Go into

Settings, turn Wi-Fi ON below WIRELESS & NETWORKS. Then it will list

the networks 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.
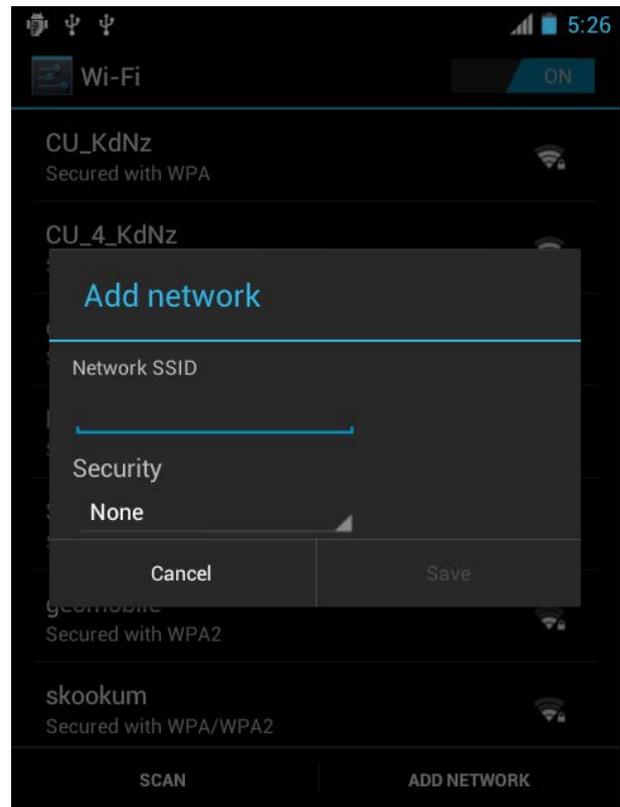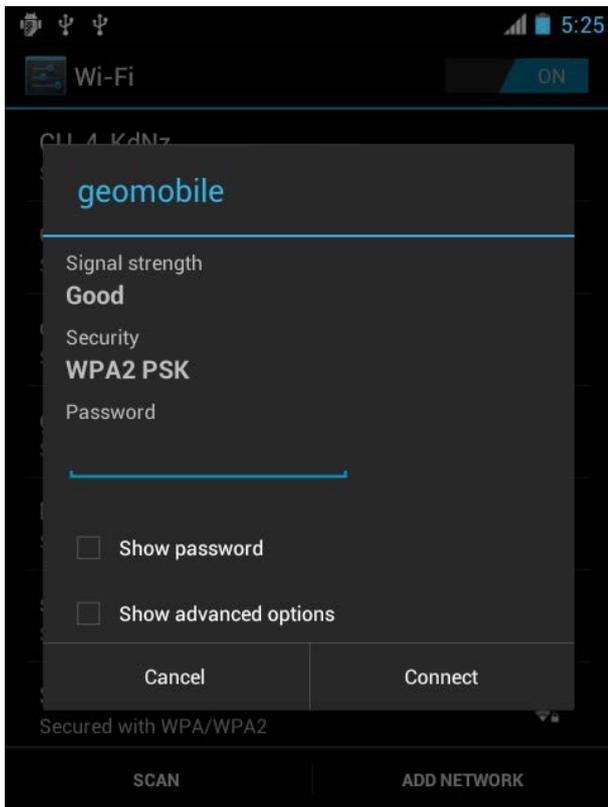
3.7 Focus Scanning

When cursor is in a input status, the device can scan barcode and input the result to where cursor in by press 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.
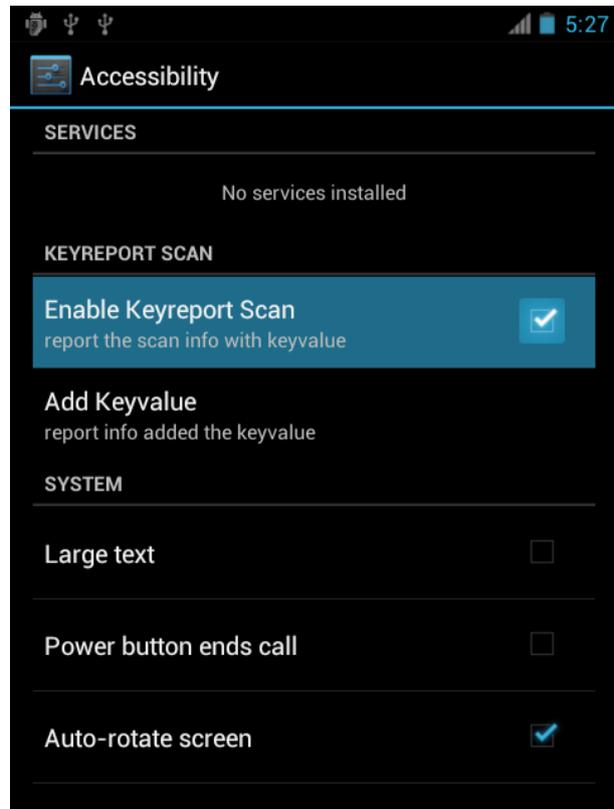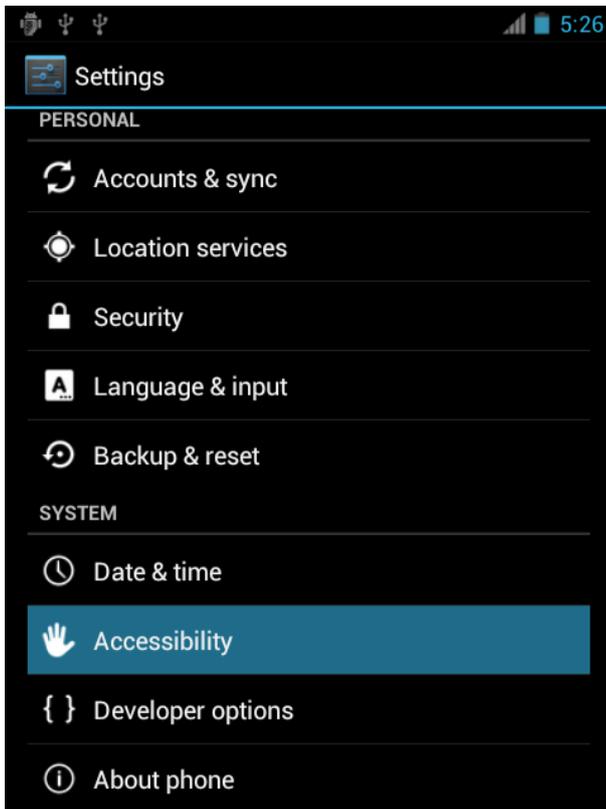
Note:

1. You should designated the position of cursor before use Focus Scanning, 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, an table or an enter after the bacode messages.

3. Be sure of the Enable Keyreport Scan do 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 slot. Located above a SIM card slot on the left side of the /mnt/sdcard2 card slot is not the default of the mount , but you can visit. 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, we had four links.

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 number of sector and click DEMO. The screen will display the informations after read and write this sector.
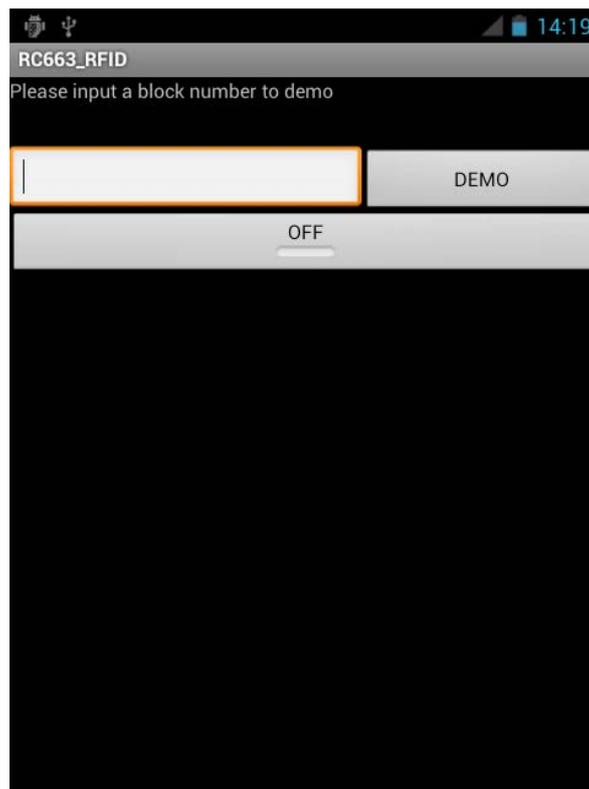
When develop application related RFID, we'll provide you the DEMO and documentations.

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 TT35A Standard	Standard configuration: BT/GPS/GPRS/WIFI/4500mA battery/3.5″LCD/WCDMA/charger/cable/Industrial packaging
2	TT35A-NL 1D Infrared barcode scanner	Standard + Newland EM1300 Support Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93
3	TT35A-NL2D 1D&2D barcode scanner	Standard + Newland EM3000 1D&2D barcode scanner /Hardware decoding
4	TT35A-SY 1D laser scanning	Standard + Symbol SE955
5	TT35A-R60 RFID	Standard + HF RFID module 13.56MHz 14443/15693
6	TT35A-D6	Standard + U BLOX GPS moudle
7	TT35A-N43 1D Laser scanning	Standard + Honeywell N4313
8	TT35A-SE45SR Symbol SE4500SR scanner	Standard + Symbol SE4500SR

6. SPECIAL MODEL(optional)

6.1 TT35A can use UHF RFID or LF RFID module

UHF RFID
or
LF   RFID

Read area

6.1.1 UHF Device Instroduction

The UHF module's freq is 900Mhz , the device with UHF module will add

a "-UHF" after the normal name, such as "TT35A-NL-UHF".

6.1.2 UHF Demo

The device has UHF module, then choose As3992demo in menu, and enter ISO18000-6C, as shown in fig:
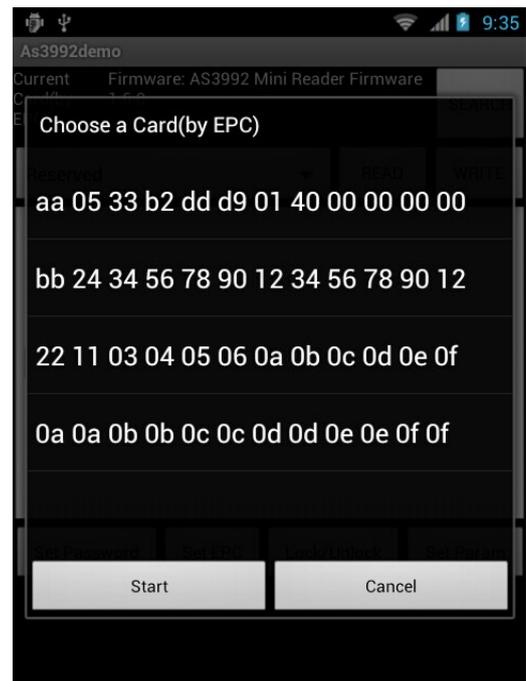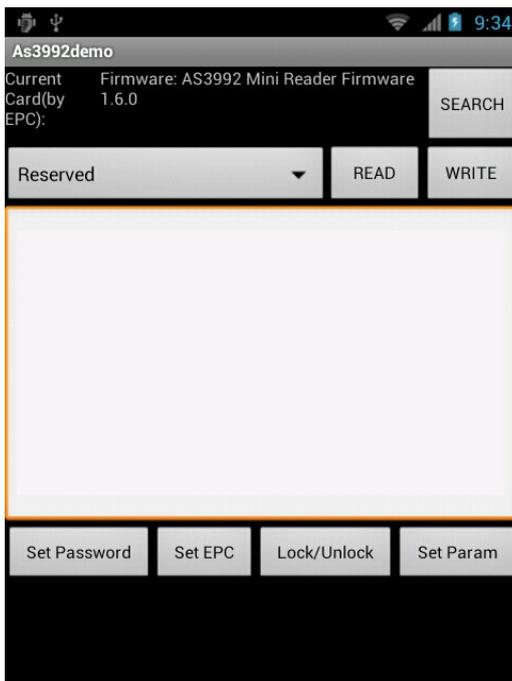
First click SEARCH key, a dialog will popup. Click Start key to begin to search card. When a card is in the valid range, it's EPC will list in the screen. Click Stop key and click the EPC directly to select the card. When success, it will go back to main window, and display the EPC in status bar. Now you can operation the card(read/write/lock).

More informations about this demo and develop code please contact the phone manufacturer to acquire.

6.1.3 LF Device Instroduction

TT35A has two types of LF RFID modules. One's freq is 134.2KHz(LF1) and the other is 125KHz(LF2). The device with LF RFID module will named with a "-LF*", such as "TT35A-NL-LF2".

6.1.4 LF Demo

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

More information about this demo and develop code please contact the phone manufacturer to acquire.
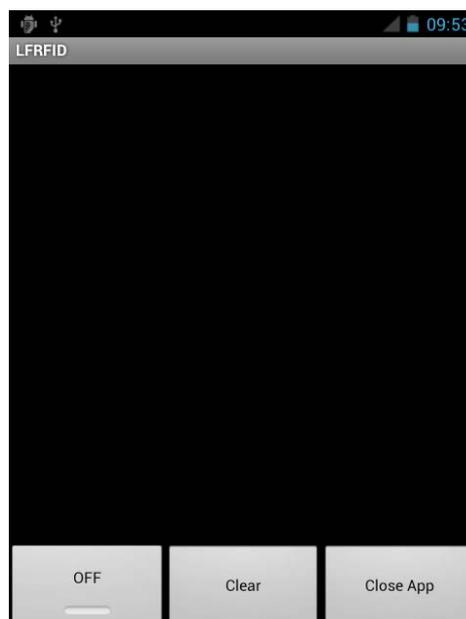
6.2 TT35A Embedded Printer

MT35A can attach a embedded printer, see the picture below. It Can print text and barcode. Page width is 5.5cm .

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

7. CUSTOMER SERVICE AND TECHNICAL SUPPORTER

Customer sevice   010 - 82346858

Technical supporter   Skype: Android.Speedata

QQ: 1736897508