



TR0702A  
7" Android Rugged Tablet

**User Manual**



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# 1 Chapter one Usage notes

## 1.1 Attentions of laser scan engine



Laser radiation, please do not look directly at the laser beam.

## 1.2 Safety notice

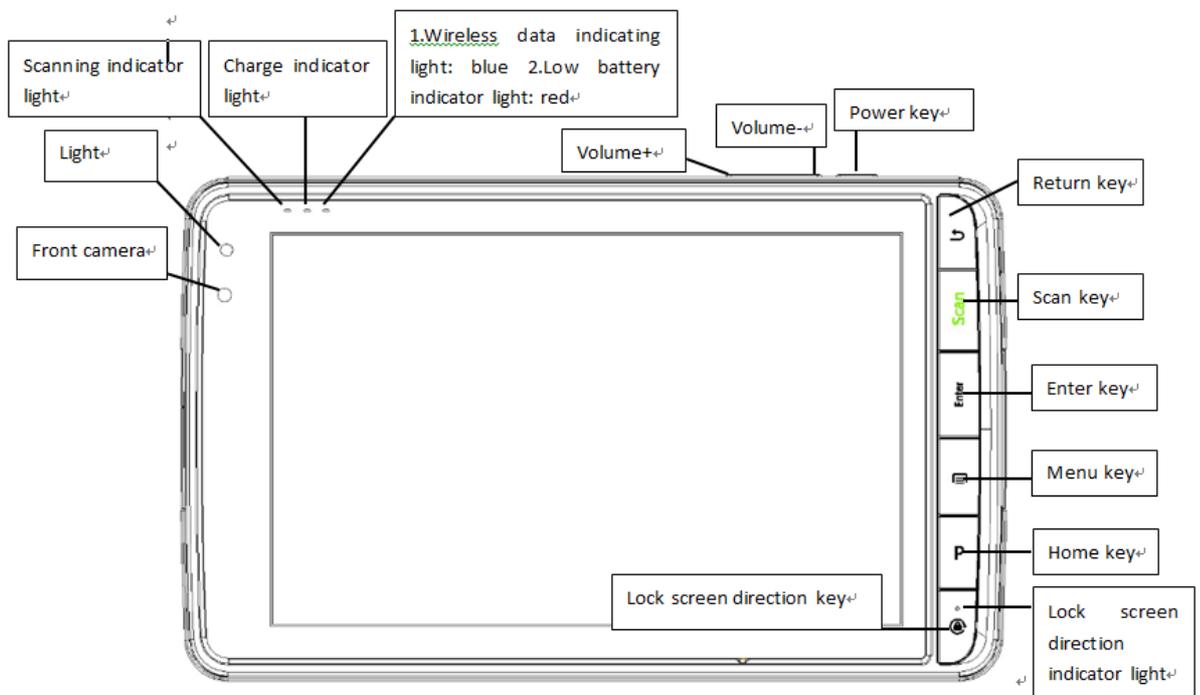
- Your devices can only use the battery and charger specified by the company. Any other products may cause the battery leakage, overheating, burst and fire.
- Charger short circuit is forbidden, otherwise it will cause electric shock, smoke and charger damage.
- Please do not use the charger when it is damaged in case of power line, otherwise it will cause fire and electric shock.
- Please do not disassemble or modify the charger, otherwise it will lead to personal injury, electric shock, fire and charger damage.
- Seize the charger when pull the plug, pull the power cord will damage the power line, causing electric shock and fire.
- Clean equipment, batteries and chargers with a soft dry cloth.
- Please do not use alcohol, thinner, benzene or other solution to wipe the device.

## 1.3 Maintenance notice

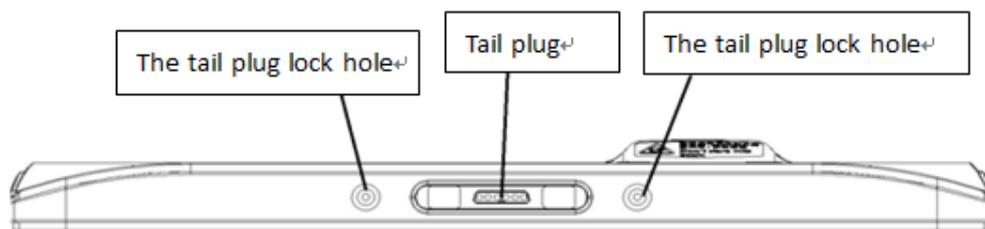
- This product is waterproof and dust proof, but it still should be kept away from operating in the environment of extremely high or low temperature. Please refer to the product specifications of the temperature and humidity standards.
- Press the screen hard may damage it. Please do not use resistive screen touching pan to avoid the scratch or damage to the screen. To clean the screen, please send a small amount of the commercial LCD spray cleaner on a soft cloth instead of spraying cleaner directly on the screen.
- Do not use any chemical cleaning agent to clean the LCD screen.
- Keep the scanning window form clean, stay away from sharp objects.

- For a long time not to use this product, please be sure to download the data to the computer store, and remove the battery. Please separate machine and battery packaging after storage.
- The battery will take a long time to complete the charge when it is the first time to work or recovery from storage.
- In case of machine failure, please note the situation and information and contact with maintenance.

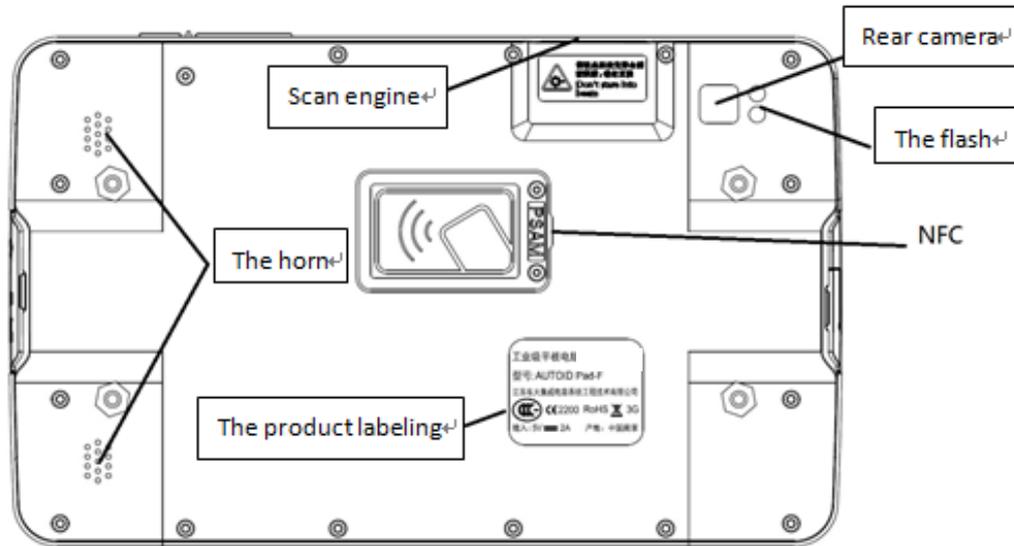
## 2 Chapter two Appearance instructions



2-1 front view



Picture2-2 side view



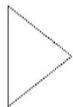
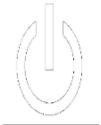
Picture2-3 back view

### 3 Chapter three Keyboard

The new 3nStar Rugged Tablet has 6 keys on the keyboard with 3 keys on the side.

Instructions:

Key	Function	Function instructions
	Back key	<ul style="list-style-type: none"> <li>click  ,to return to a higher level or exit application.</li> <li>In the text input interface, click this button to close the screen keyboard</li> </ul>
<b>Scan</b>	Scan key	<ol style="list-style-type: none"> <li>In general, as the scan key, scan bar code.</li> <li>In the camera interface (comes with the camera), as the camera button.</li> </ol>
<b>Enter</b>	Enter key	<ol style="list-style-type: none"> <li>click on this button to enter the application</li> <li>In the camera interface (comes with the camera), as the camera button.</li> </ol>

	Menu key	<ol style="list-style-type: none"> <li>1. Click this button to open the menu for the current interface</li> <li>2. Default short press this button to open / close menu function, long press this key to no effect.</li> </ol>
	Home key	<ol style="list-style-type: none"> <li>1. Click this button to return to the main screen</li> <li>2. Long press this button to open the default recently used application switcher, double click this button to have no effect</li> </ol>
	Screen direction lock key (With indicator light)	Click on this button, can lock the screen direction, so that the screen cannot automatically rotate
	Volume + key	Click this button to increase the volume
	Volume - key	Click this button to lower the volume
	Power key	<ol style="list-style-type: none"> <li>1. Long press Power button to pop up the "shutdown" and other options menu</li> <li>2. In the system working state, short press Power key, the device will enter the sleep state</li> <li>3. In a dormant state, short press Power key system will wake up and light up the screen</li> </ol>

## 4 Chapter four Quick use

### 4.1 First time

Long press the power button to start. In the system working state, short press Power key, the device will enter the dormancy state, in the dormant state, short press Power key system will wake up and light up the screen.

## 4.2 Start up

Long press the power button until the device vibrates, the screen light up. In the deep sleep mode, press the power button, can wake up the system

## 4.3 Turn off your machine

When the machine is turned on, long press the power button 2s under Non dormant state, open the options menu, select the shutdown, click on the confirmation, then the normal shutdown.

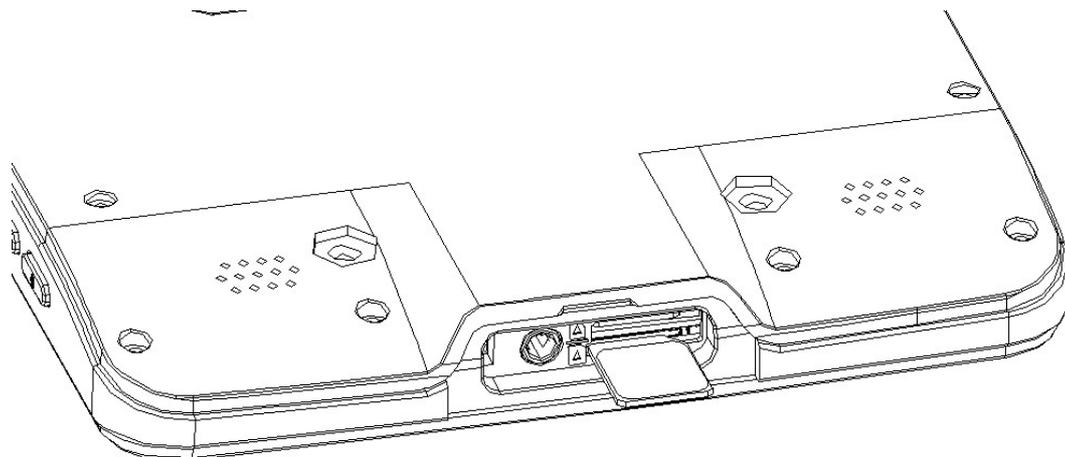
## 4.4 Restart

When the machine is turned on, long press the power button 2s under Non dormant state, open the options menu, select restart, click on the confirmation, then the normal shutdown restart.

## 4.5 Install SIM card

Please install the SIM card for the following instructions:

Insert the SIM card in the direction of the icon.



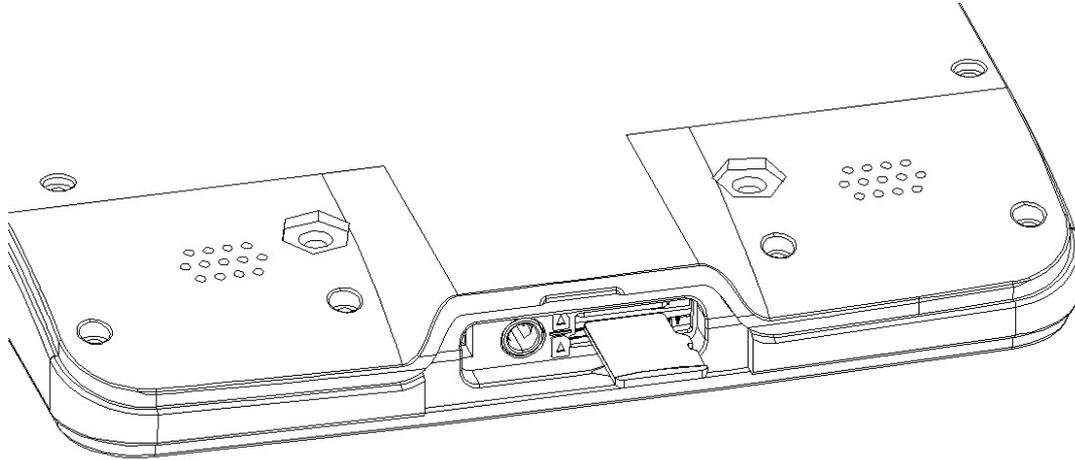
Picture4-1 Insert the SIM card

Note: This device does not support hot plug SIM card, after plugging SIM card need to restart the machine

## 4.6 Install SD card

Please install the SD card for the following instructions:

Insert the SD card (microSD or microSDHC) in the direction of the icon.



Picture4-2 Insert the SD card

Note : This device supports SD card hot plug

## 5 Chapter five Charger

Due to the battery in the factory has only a small amount of electricity used for test, when you receive the machine you must charging before use. Connect the device to the adapter for charging directly. At the same time, the New 3NSTAR RUGGED TABLEseries also have optional base for charging.

### 5.1 Charging time

Battery: through the adapter, the battery's first charge time is about 5 hours, the LED lamp shows red represents charging, power is full when it is green.

### 5.2 Charging temperature

- The best operating temperature is room temperature 18~25<sup>0</sup>C.
- The battery will not charge if the temperature less than-20<sup>0</sup>C or more than 50<sup>0</sup>C.

### 5.3 Battery power supply

- If you turn on the wireless network service or data acquisition program, the battery power will be substantial loss. Please turn off these procedures to save electricity when these functions are not required.
- In order to avoid the battery power shortage, it is recommended that you work with a battery of electric power, or connect the external power supply.

Tip: if you do not use the product for a long time, please charge at least once every two months.

### 5.4 Attentions for using batteries

- If the battery is depleted, it may not be immediately switched on, which is a normal phenomenon. Please continue charging for a while before turning on devices.

- Batteries can be charged repeatedly, but the battery is a consumable product, please replace a new battery if you find the device's standby time is greatly reduced.
- Battery charging time change with temperature and battery usage, please charge at a reasonable temperature range.
- When the battery is in low power, the device will give low - power warnings. When the battery power is too low, the device will automatically shut down.

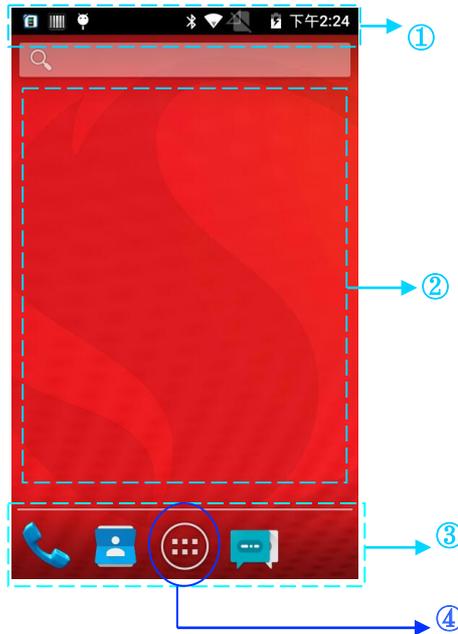
## 5.5 LED indicator lamp

- When LED indicator light is in the middle of the top right of the machine, it indicates the status of the battery and the charging state according to different colors:
- Without the insertion of USB, charging adapter, red light flashing shows the battery power is low, Please charge as soon as possible.
- Insert USB cable, charge adapter, long bright red means that the battery is charging.
- Insert USB cable, charging adapter, the long bright green represents the battery is full of electricity.
- If the LED indicator light which is on the right side of the machine flash blue just like the breathing light, it means that there's a message for reading, please check in time.
- When the LED indicator light is scanned into the bar code, the light flash red once. When the bar code is not scanned, no light flash.

Note: when the system is in charge, the blue indicator light will not be prompted.

## 6 Chapter six Main screen

New 3NSTAR RUGGED TABLE series devices are a total of five main screens, sliding screen to the left or right can be switched on each other. In the application of the main screen display, click any application icon, you can open the program.



Picture6-1 main screen

Table6-1 main screen

①	Status bar: display notifications and status icons.
②	Display area: used to place the application icon, desktop folder, and window widget.
③	Shortcut: Click to enter the application.
④	Application tray: Click to view all of the programs.

### 6.1 Status bar icon

Status icon and notification bar icon is located at the top of the screen status bar, it display device status information and notification, as follows.

Table6-2 Status icon and notification bar icon

Icon	Introduction	Icon	Introduction
	Detection of available WLAN networks		Signal strength

	Connected WLAN network		Not inserted SIM card
	Portable WLAN		Mobile network has been connected
	Silent mode		Airplane mode
	Vibration mode		Scan
	Missed calls		Battery charge
	New messages		Battery power is full
	Capture screen		Battery power is low
	The alarm clock		Multiple notification icons, beyond the display range
	Prepare for microSD card		Insert headset
	Bluetooth		GPS is positioning
	Uploading data		Downloading data
	USB debugging		USB connect

## 7 Chapter seven Set up

### 7.1 WLAN

Find this icon: 

Settings

## Wireless and Network

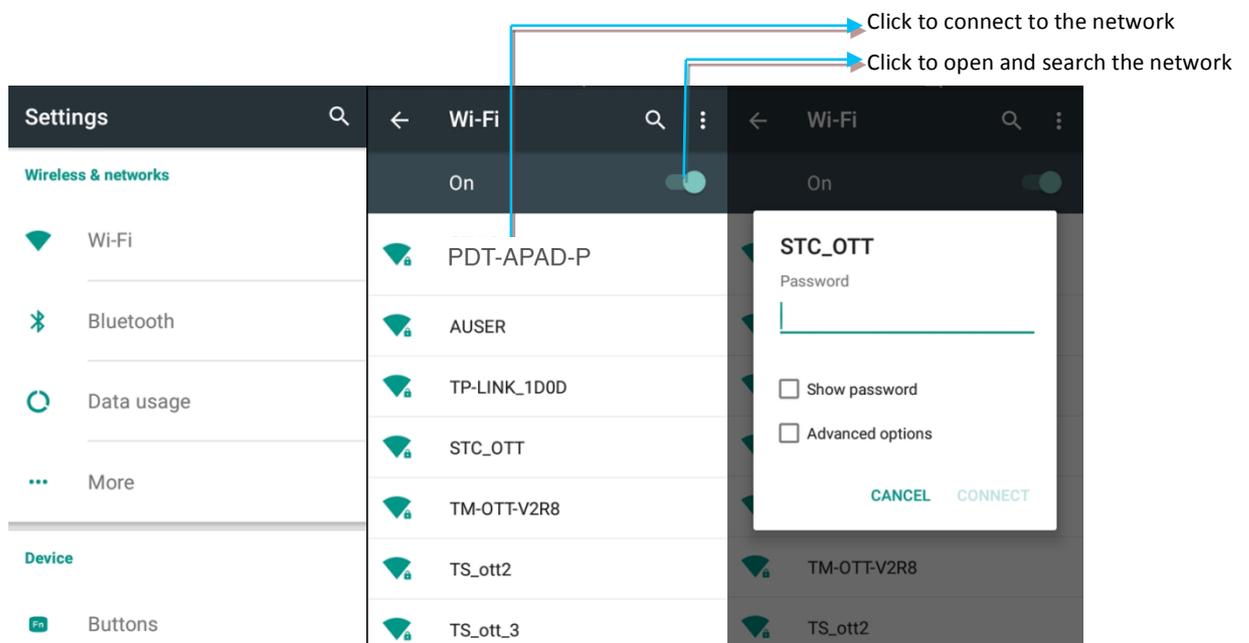
### WLAN

2.4G Wi-Fi provides the most remote 450 feet (150m), 5G provides the farthest 300 feet (100m) wireless network access range (note, industrial grade AP, open area). To use the Wi-Fi on your device, you must connect to a wireless access point or hot spot.

Note: the availability of the Wi-Fi signal is determined by the amount of the required number, the infrastructure, and the object to which the signal is penetrated.

Open Wi-Fi and connect to a wireless network

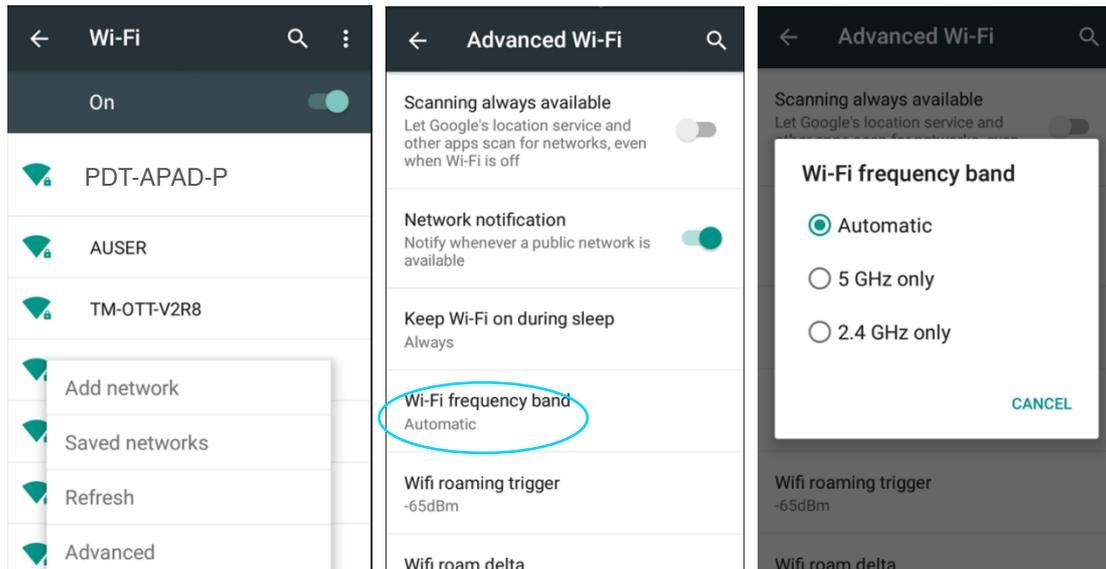
1. Click WLAN to close / open the button to open the Wi-Fi. Automatic scanning available wireless networks
2. Then the Wi-Fi network list will show the network name and security settings of the Wi-Fi network to be found (open network or encrypted network)
3. Touch one of the Wi-Fi networks to make a connection. When you select an open network, it will automatically connect to the network. If you choose a network, you must enter the appropriate password first, and then touch the connection.



Picture7-1 Wi-Fi menu

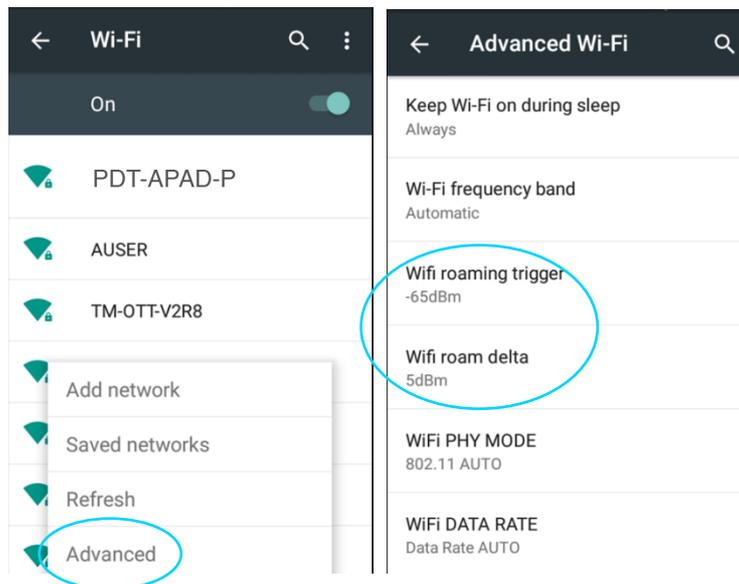
4. Set the WLAN band ([advanced] (short press menu to entry) ---- > [WLAN band]),

choose to use only the 5GHz band can only search to 5GHz band of AP.



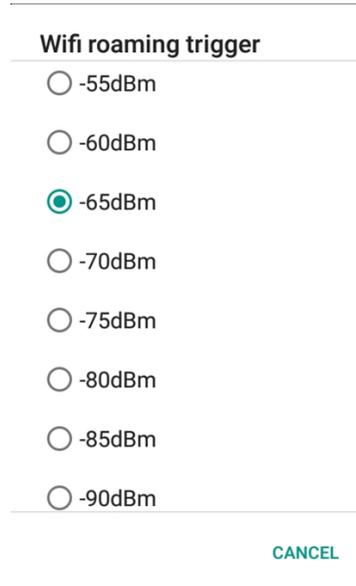
Picture7-2 WLAN Frequency band

5. Wi-Fi roaming trigger, delta can be through the advanced settings according to customer demand for their own set ( in the Wi- Fi search interface short press menu button ---- > Advanced).



Picture7-3 WLAN Roaming settings

(1)Roaming trigger: when the connected AP (Note: the premise is in roaming environment) signal value is lower than the set trigger, roaming mechanism will be triggered, as shown in figure will go on a tour of the threshold setting is -65dBm. When below this value when roaming is triggered.



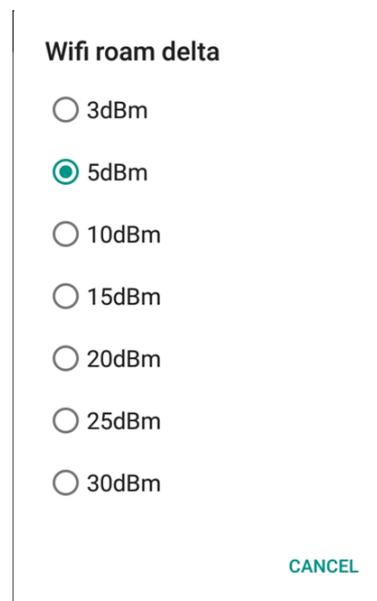
Wifi roaming trigger

- 55dBm
- 60dBm
- 65dBm
- 70dBm
- 75dBm
- 80dBm
- 85dBm
- 90dBm

CANCEL

Picture7-4 Roaming trigger

(2)Roaming delta: when the difference between the two AP signal value reaches the set value, roaming connected to the signal value better AP, such as when two AP between signal value difference is greater than 5 dBm (to meet the standards of the roaming trigger), then the normal roaming.



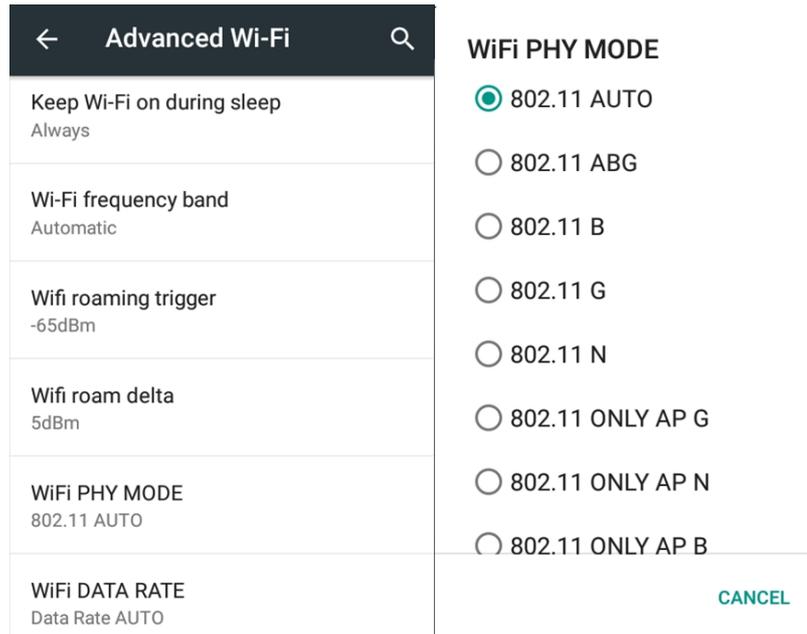
Wifi roam delta

- 3dBm
- 5dBm
- 10dBm
- 15dBm
- 20dBm
- 25dBm
- 30dBm

CANCEL

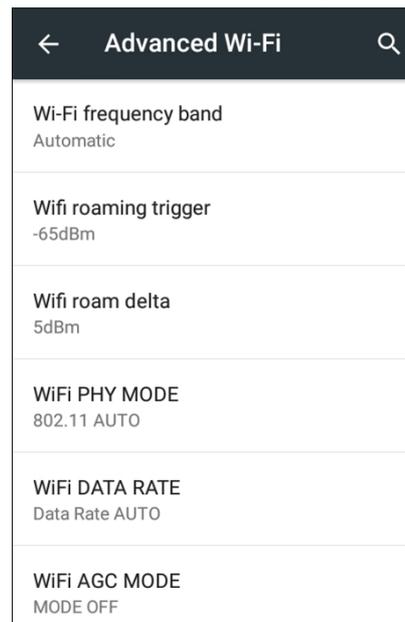
Picture7-5 Roaming delta

6.WIFI work mode configuration, support the module to configure the fixed mode of operation (a/b/g/n) ,the default is 802.11AUTO;



Picture7-6 Wi-Fi work mode configuration

7. WIFI DATA RATE: support rate control, the default is Data Rate AUTO.



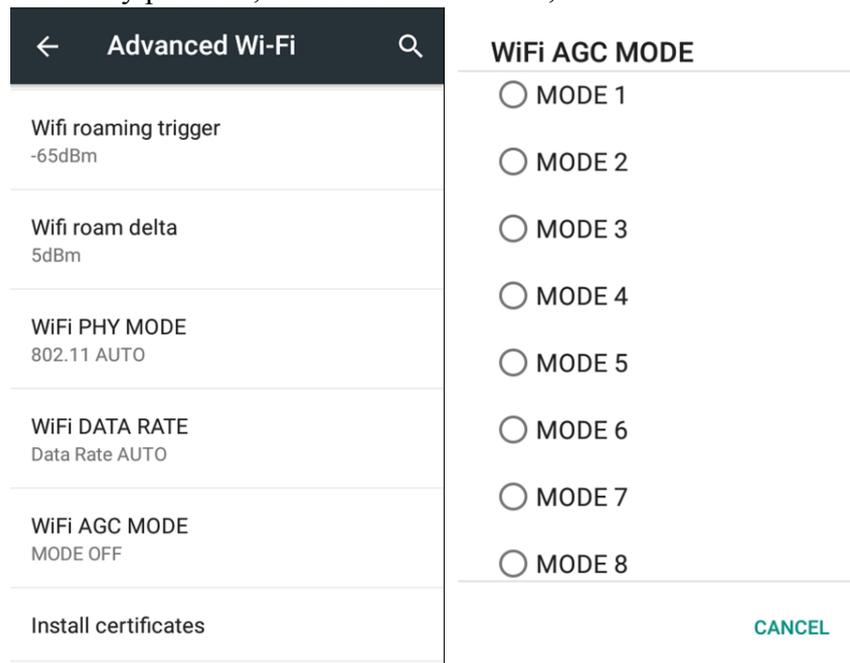
### WiFi DATA RATE

- Data Rate AUTO
- RATE 1MBPS
- RATE 2MBPS
- RATE 5\_5MBPS
- RATE 11MBPS
- RATE 6MBPS
- RATE 9MBPS
- RATE 12MBPS

CANCEL

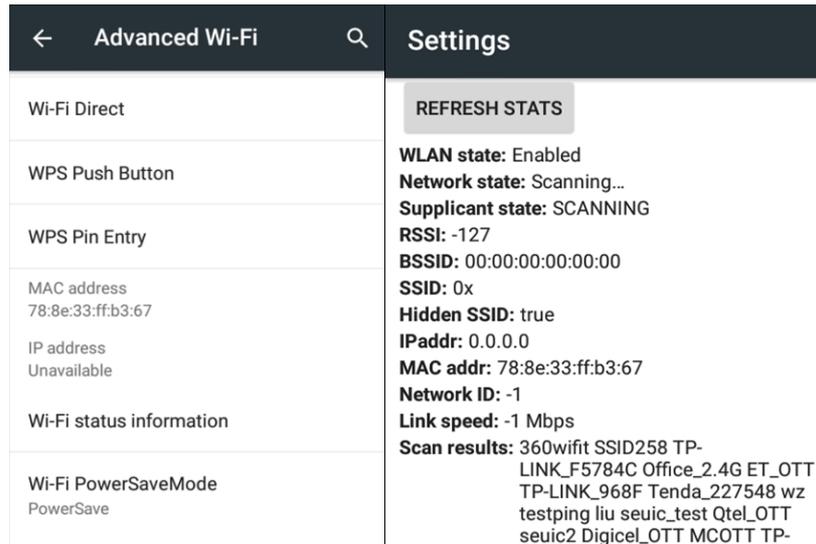
Picture7-7 WIFI DATA RATE

8. WIFI AGC MODE. AGC RX control functions to adapt to the noisy environment, reception inefficiency problem, to reduce interference, the default is MODE OFF.



Picture7-8 WIFI AGC MODE

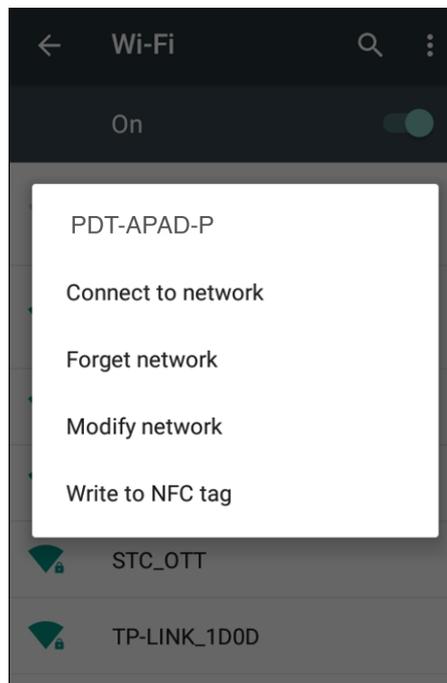
9. About Wi-Fi status information, you can view the relevant information through the Wi-Fi status information, click stats Refresh, such as: Wi-Fi state, the connection of AP, signal value, MAC address, etc., as shown in figure:



Picture7-9 Wi-Fi status information

Note: when the device is connected to a wireless network, the status bar will display the Wi-Fi icon (  ), and display a roughly the amount of the signal intensity (light from the bar). If the touch device is currently connected to the wireless network, it will show the Wi-Fi network name, state, speed, signal strength, security information and IP address.

If you want to remove the wireless network settings on the device, long time to click on the connection of the AP, choose not to save the network, then the AP will be deleted, as shown on the right:



Picture7-10 Delete or modify the network

Note: after the Wi-Fi switch, the device must be connected to the previously connected encrypted wireless network, you do not need to reenter the appropriate password. Wi-Fi network will search for themselves, that is, the device does not need to perform additional steps can be connected to the Wi-Fi network.

### Connect to other Wi-Fi networks

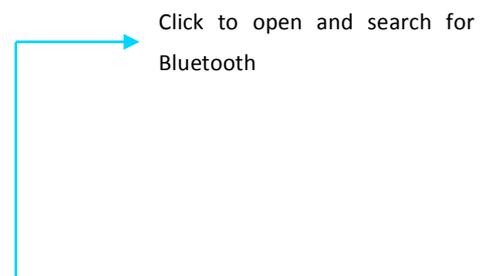
- Open interface in wireless Wi-Fi, touch scan. Find the Wi-Fi network will be displayed in the Wi-Fi network list.
- Touch other Wi-Fi network, you can connect to the network.

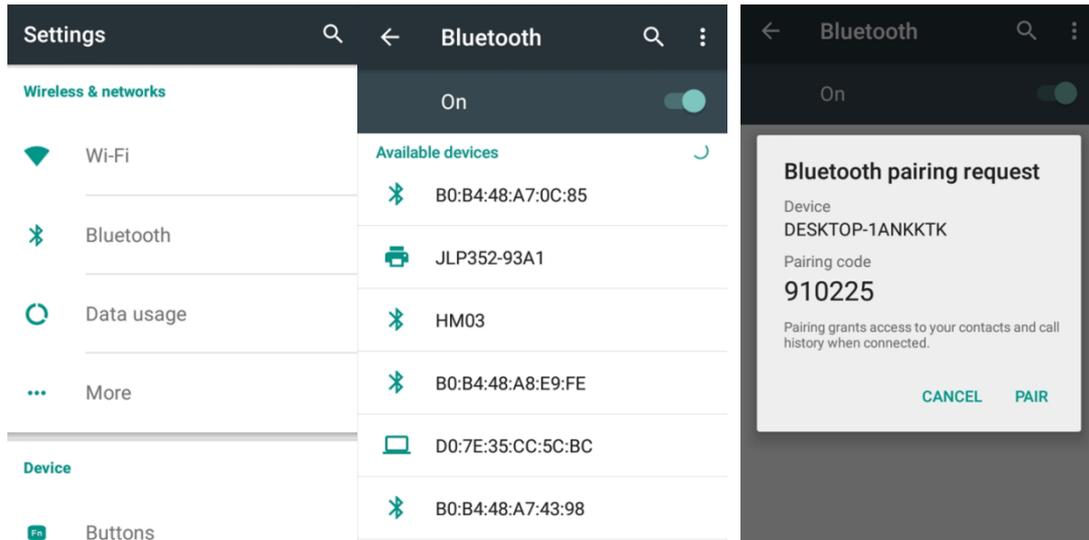
## 7.2 Bluetooth

Find this icon: 

- ✓ Settings
- ✓ Wireless and Network
- ✓ Bluetooth 

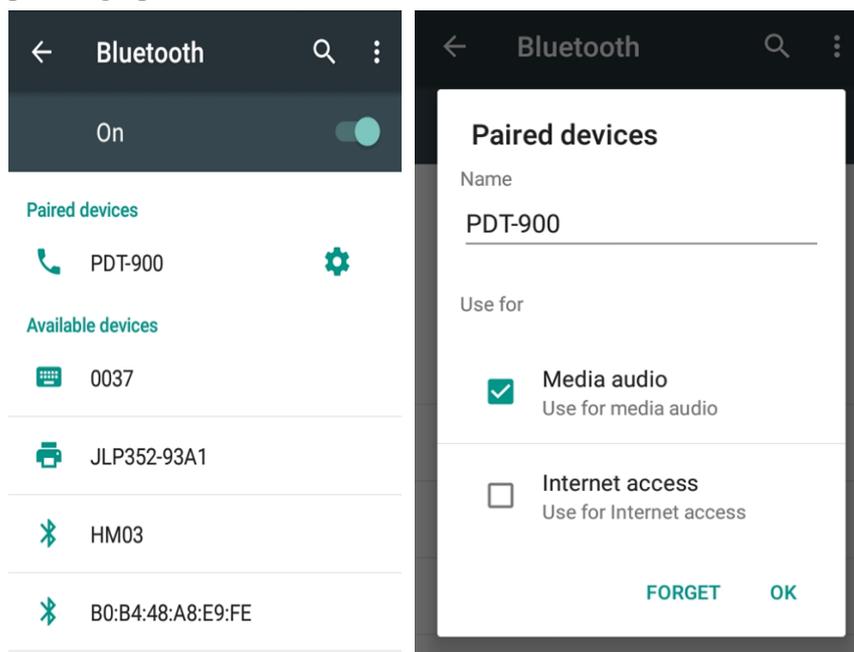
1. Point on the blue / open button, open and search for other Bluetooth devices
2. In the search for the device list, click on the device to connect to the device
3. After the input PIN code is entered in the pop-up dialog box, click the connection device





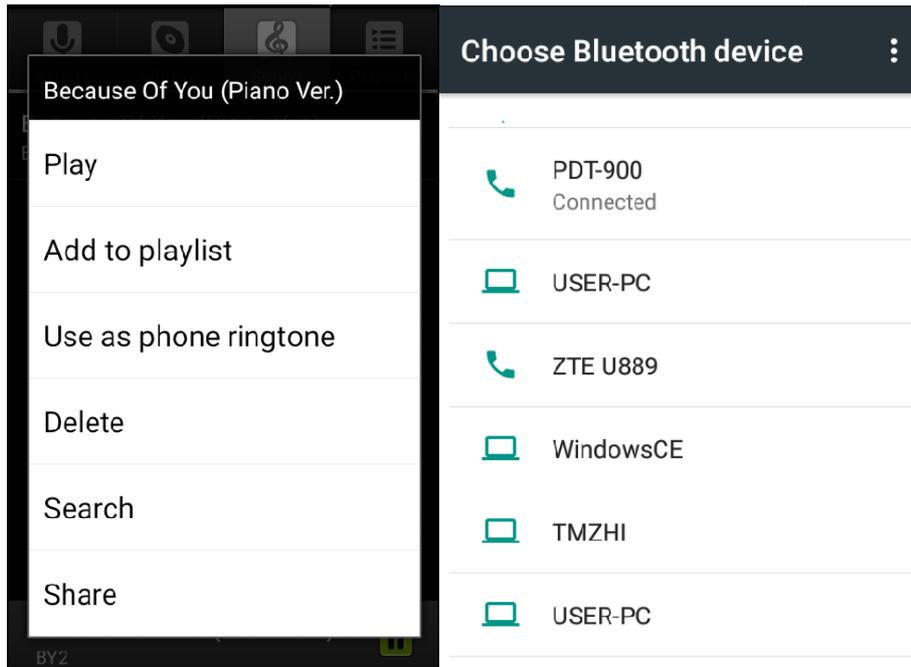
Picture7-11 Bluetooth menu

4. Paired with a successful device, click on the right side of the set button to rename and cancel the device to the device and other options, according to the needs of the corresponding operation:



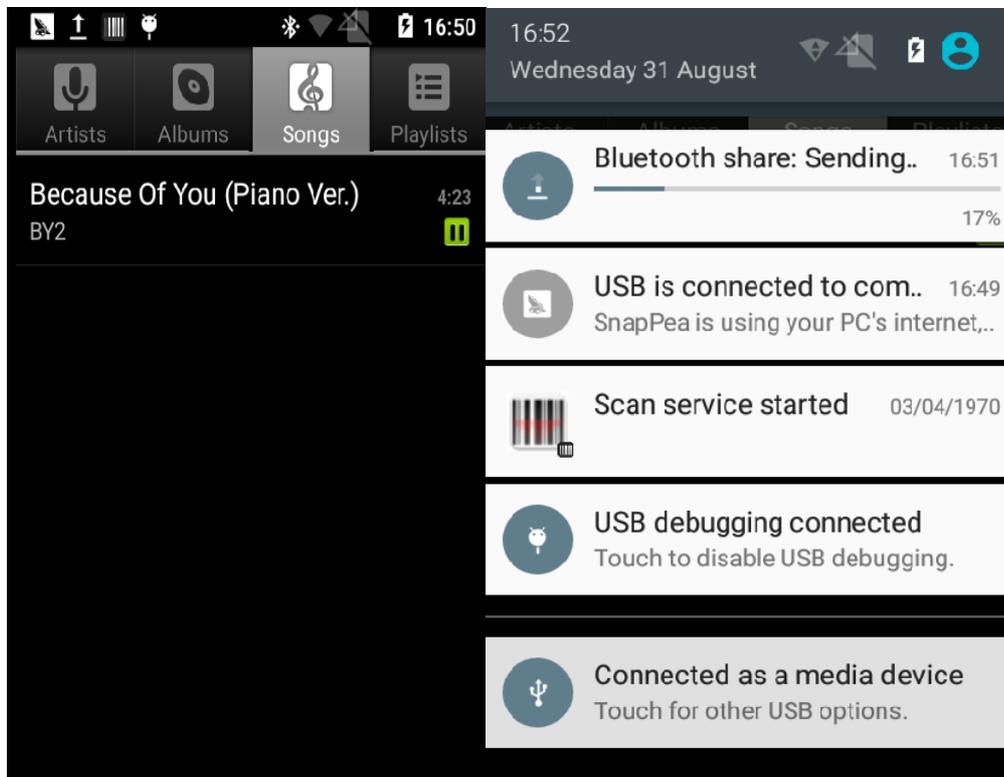
Picture7-12 Paired Bluetooth device settings

5. Bluetooth transfer: you can choose to send the file, pictures, video, MP3 and other documents, through Bluetooth, such as: share MP3, select a MP3, long press the MP3 to share, the share of the interface select the right Bluetooth, the details of the interface, click send, as shown below:



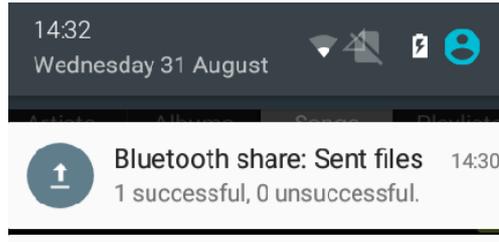
Picture7-13 Bluetooth transmission

6. At the time of sending, the upper left screen has an arrow mark , which can drop down to observe the transmission, as shown in the following figure:



Picture7-14 Bluetooth transmission schedule

7. File to complete the corresponding prompt.



Picture7-15 Bluetooth shared results

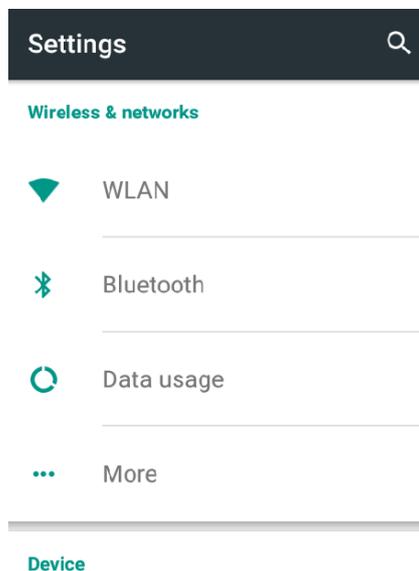
8. Bluetooth headset, Bluetooth headset can be used for voice communications, multimedia player, etc.

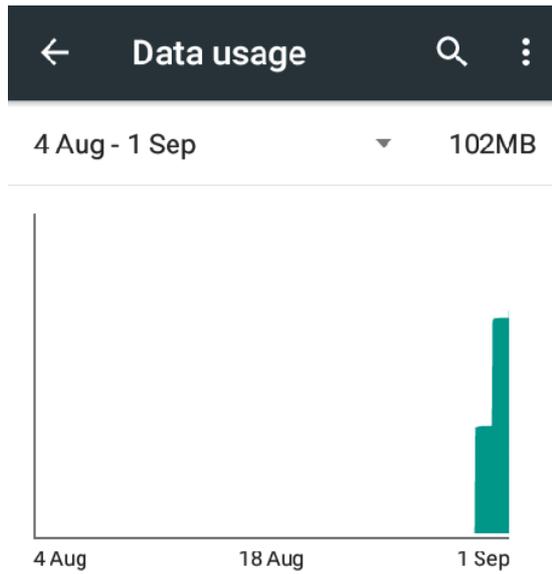
### 7.3 Flow usage

Find this icon: 

- ✓ Settings
- ✓ Wireless and Network
- ✓ Flow usage 

Choose to open the mobile data, set the mobile data traffic restrictions.



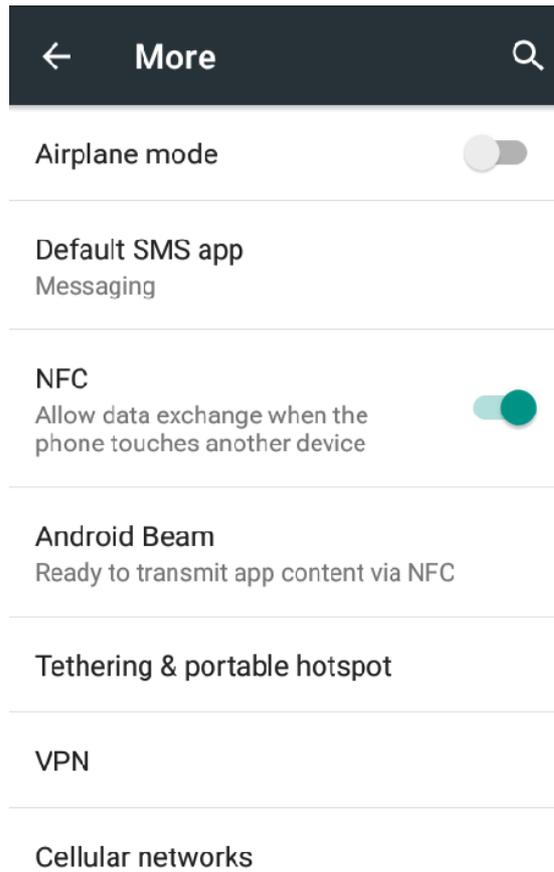


Picture7-16 Flow usage

## 7.4 More

Find this icon: 

- ✓ Settings
- ✓ More



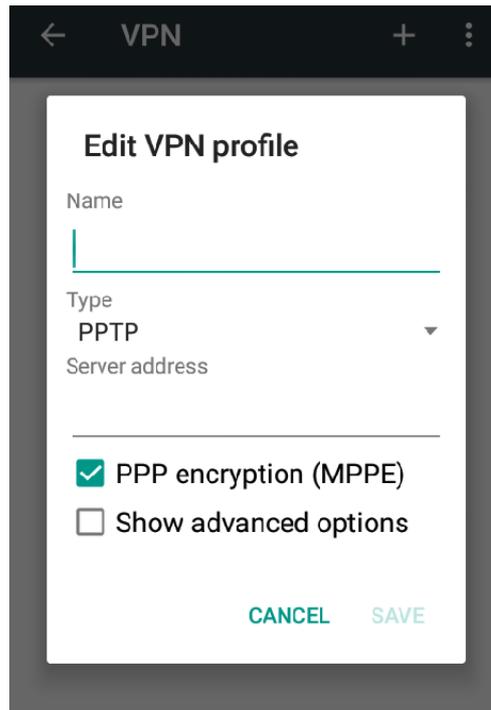
Picture7-17 More menu

## 7.4.1 Airplane mode

Check the Airplane mode, the wireless module will automatically shut down.

## 7.4.2 VPN

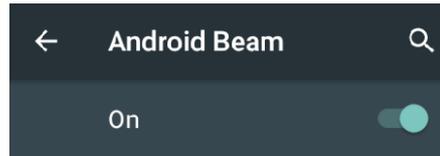
After starting VPN, you need to add the VPN private network (for example: want to access the company's internal file servers and other network shared resources), no matter where you can connect to the company's VPN server through the VPN client, after obtaining the VPN account can be accessed through the VPN client side, after dialing the company can access the shared resources.



Picture7-18 VPN setting

### 7.4.3 NFC

NFC function, open the feature, allowing the phone to switch to other devices when the data, as long as their own equipment and other supporting NFC devices rely on together, that can be used to synchronize your application content to each other. At the same time, the installation of third party NFC software, you can read and write RF card operation.



When this feature is turned on, you can beam app content to another NFC-capable device by holding the devices close together. For example, you can beam Browser pages, YouTube videos, People contacts, and more.

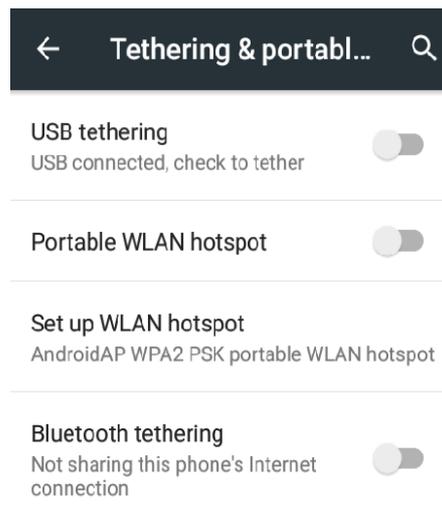
Just bring the devices together (typically back to back) and then touch your screen. The app determines what gets beamed.

Picture7-19 NFC function

## 7.4.4 Portable hot spot

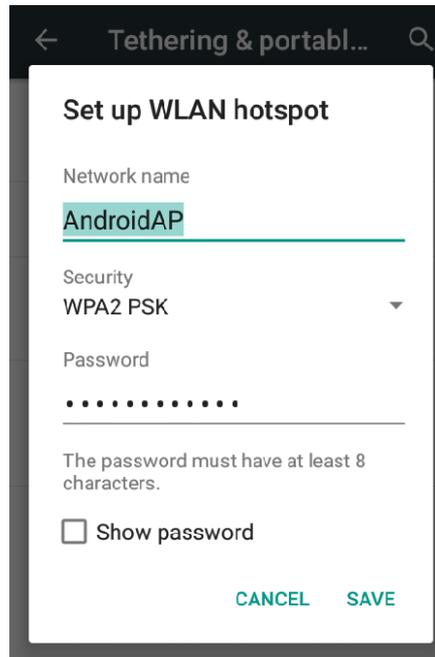
(1) Portable hot function, the machine as a Wi-Fi hot spot, for a certain range of the surrounding Wi-Fi module of the mobile phone and computer to provide access.

(2) Set up--More--Network sharing and portable hot spot--Portable WLAN hot spot--Start, as shown in figure:



Picture7-20 Portable hot spot settings

(3)Configure a portable hot spot, as shown in figure:

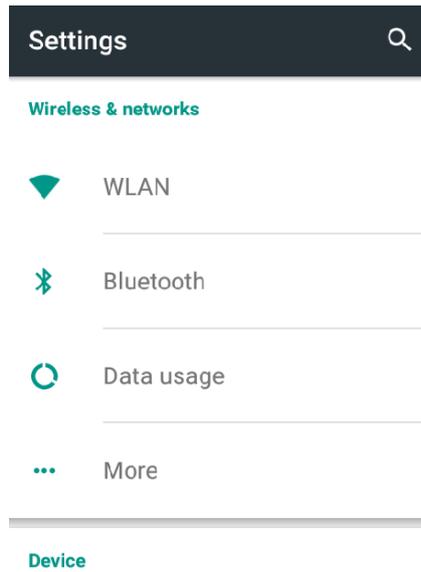


Picture7-21 Modify WLAN hot spot

(4)Search to the other side of the hot spots, enter the appropriate password can share the machine's hot network.

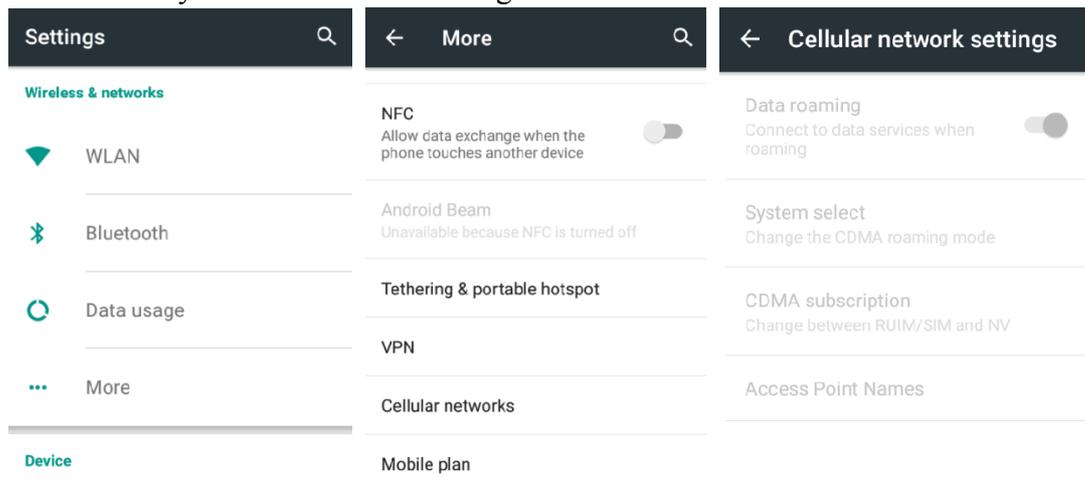
### 7.4.5 Mobile Data

1. Enable Mobile data network: **【Settings】** --> **【Data usage】** --> **【Mobile data network】**, enabled data traffic, will be related to the flow of statistics related to the cost of mobile data



Picture7-22 Enable Mobile data network

2. Data roaming: after entering the roaming environment, data communication can be directly switched to the roaming state.



Picture7-23 Data roaming

3. Network mode: insert different SIM card, automatically according to the type of SIM card to identify network. Default network type support 2G/3G/4G. Therefore, the insertion of different SIM cards, in the case of mobile data open, can be based on the current network environment registered on the network.
4. Network operators: Search for network operators resources to the current environment

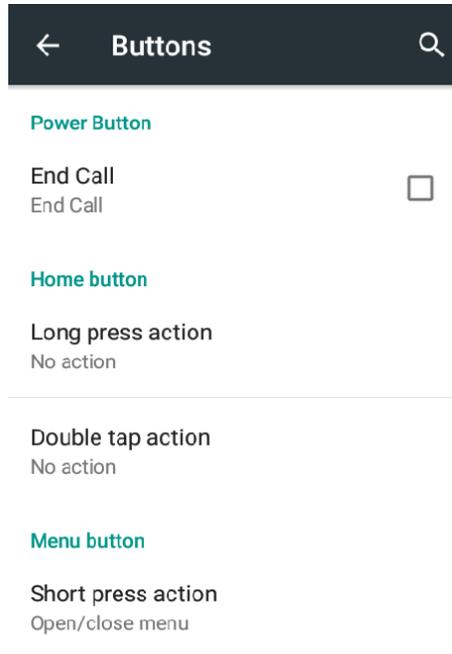
## 7.5 Buttons

Find this icon: 

✓ Settings

✓ Buttons 

Can be achieved on the main screen keys and menu key behavior settings, such as



Picture7-24 Buttons

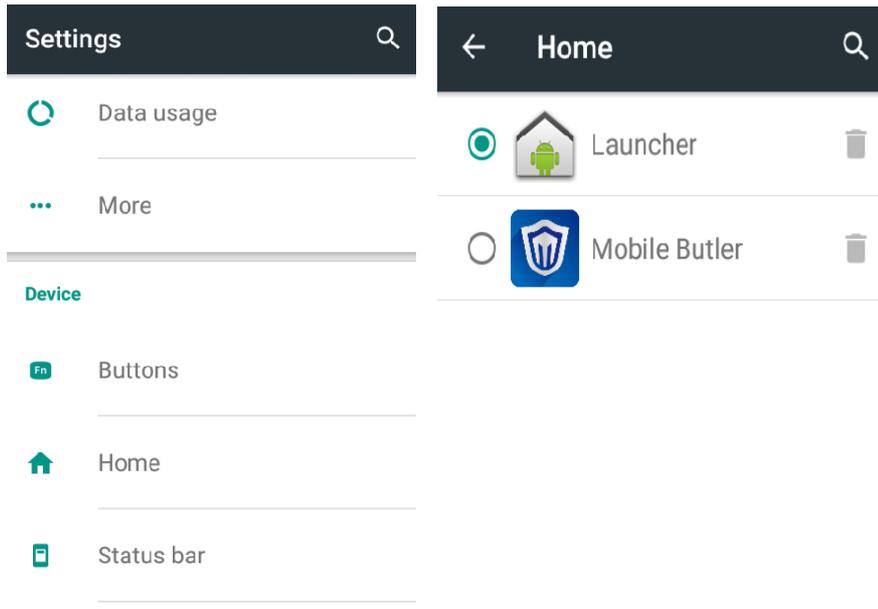
## 7.6 Home screen

Find this icon: 

✓ Settings

✓ Home 

Can choose a Launcher or Mobile butler as home screen, press the HOME button to enter the home screen is selected, the default for Google starter



Picture7-25 Home screen

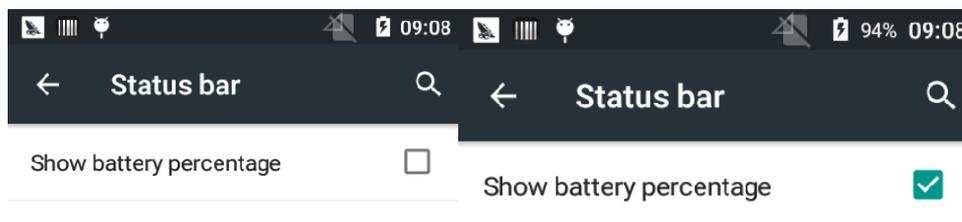
## 7.7 Status bar

Find this icon: 

Settings

Status bar 

Display battery status: check the status bar shows the percentage of the battery, do not check is not displayed, as shown in Figure



Picture7-26 Status bar

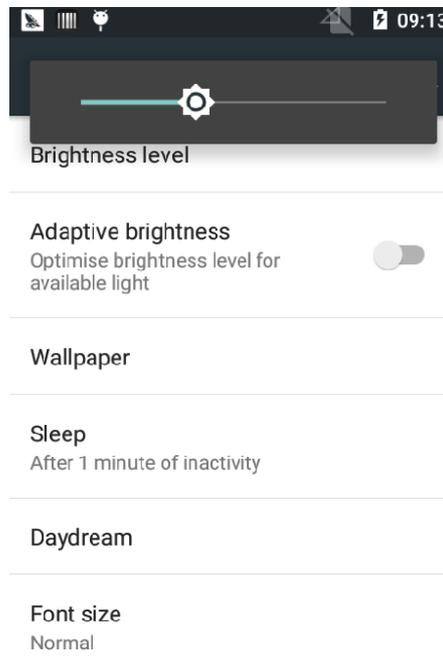
## 7.8 Display

Find this icon: 

✓ Settings

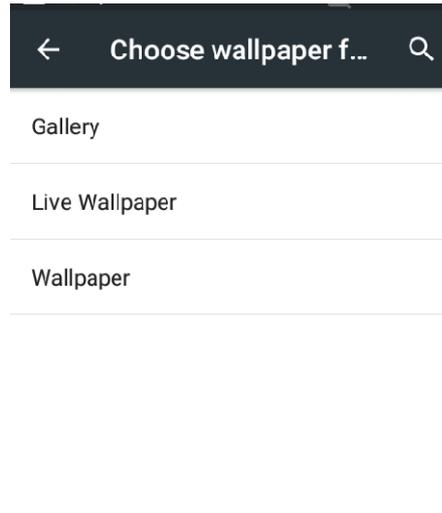
✓ Display 

1. Brightness, can be moved around the cursor to adjust the backlight, **【automatic adjustment of brightness】** : According to the ambient light conditions to optimize the brightness



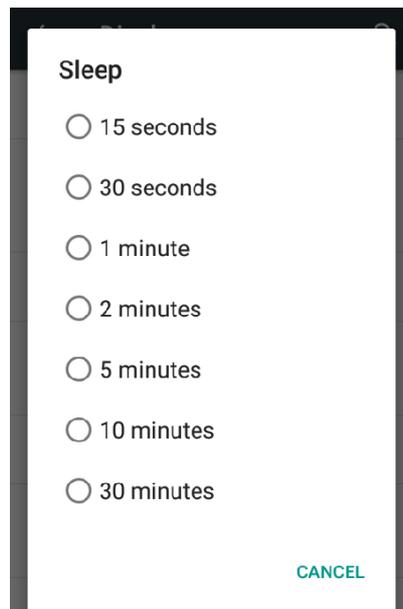
Picture7-27 Display

2. Wallpaper, after entering, can be arbitrarily set to the source of the wallpaper to modify. **【live wallpaper】**: System default comes with a dynamic picture, **【Gallery】**: Photo on an album or memory card, **【Wallpaper】** : Default comes with the system.



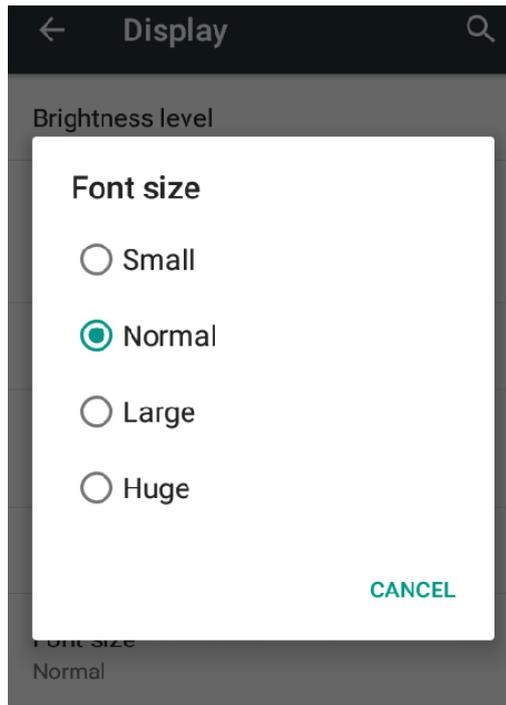
Picture7-28 Wallpaper

3. Sleep; change the system sleep time settings, set the time to post, the system will automatically sleep.



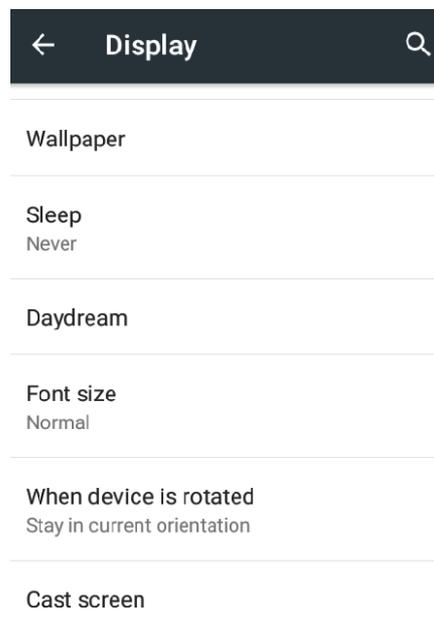
Picture7-29 Sleep

4. Font size, according to their own needs to adjust the system font size



Picture7-30 Font

5. Device rotation, **【Rotating screen content direction】** : Automatic rotating screen, according to the rotation angle of horizontal and vertical screen switch, **【Keep the current direction】** : Keep the vertical screen, do not change with the rotation angle.



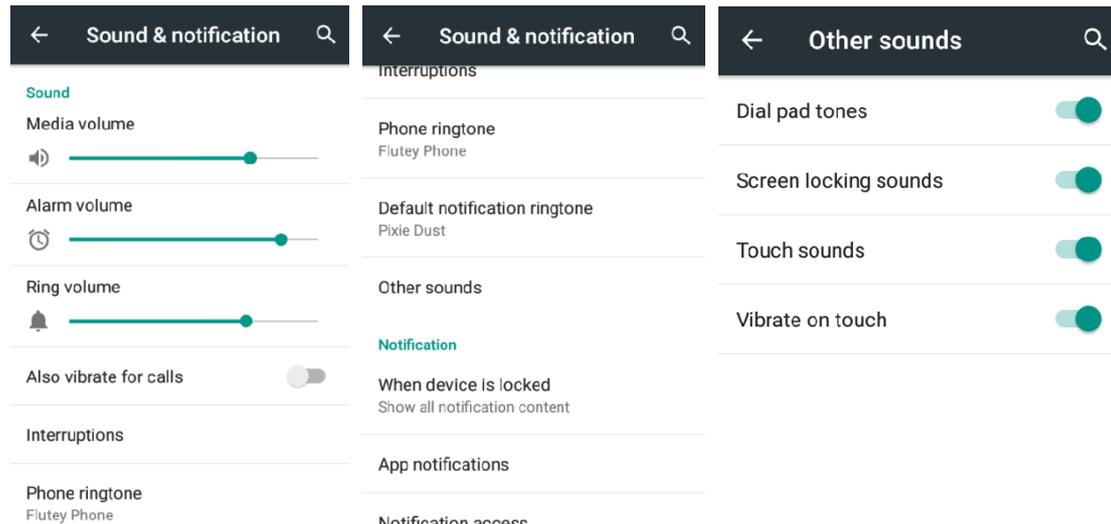
Picture7-31 Device rotation

## 7.9 Prompt note and notification

Find this icon: 

- ✓ Settings
- ✓ Prompt note and notification 

Volume, cell phone ring tones and default notification tone settings, you can also use the open or close to select or cancel a call ringing and vibration, dial tone, keyboard lock screen touch tone, tone and touch vibration etc. As shown in the following figure:



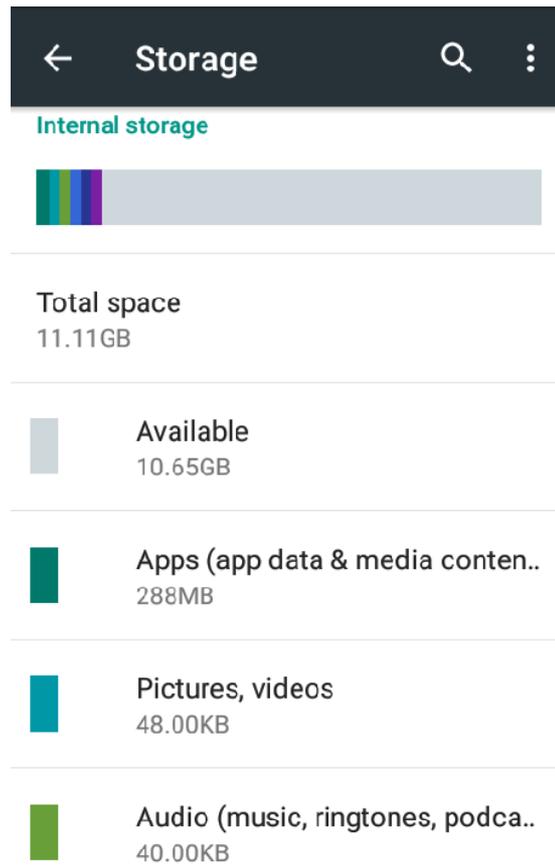
Picture7-32 Prompt note and notification

## 7.10 Storage

Find this icon: 

- ✓ Settings
- ✓ Storage 

Can view the available internal storage space and select the option to scan the external memory card or the external USB device.



Picture7-33 Storage

## 7.11 Battery

Find this icon: 

✓ Settings

✓ Battery 

Can view the current capacity of the battery and the use of time.



Picture7-34 Battery

## 7.12 Application

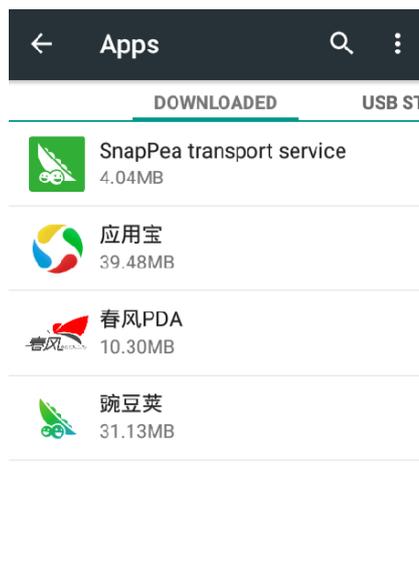
Find this icon: 

Settings

Application 

Management application:

Click the directory (download, SD card, running or all), and select the application you want to uninstall, you will enter the following interface, click the uninstall, and then you can remove the application from the tablet.



Picture7-35 Application

## 7.13 System profiles

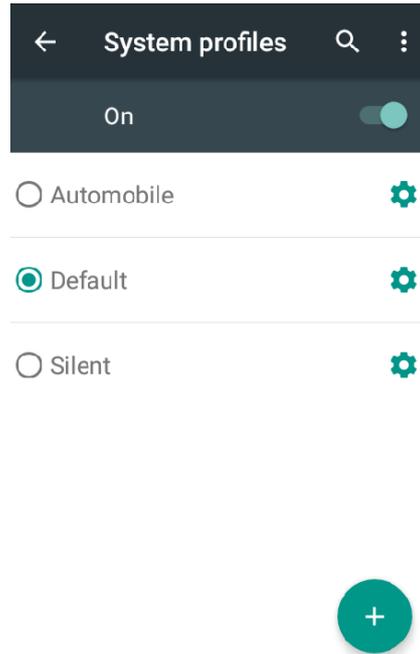
Find this icon: 

Settings

System profiles: 

### 1. Change scene mode

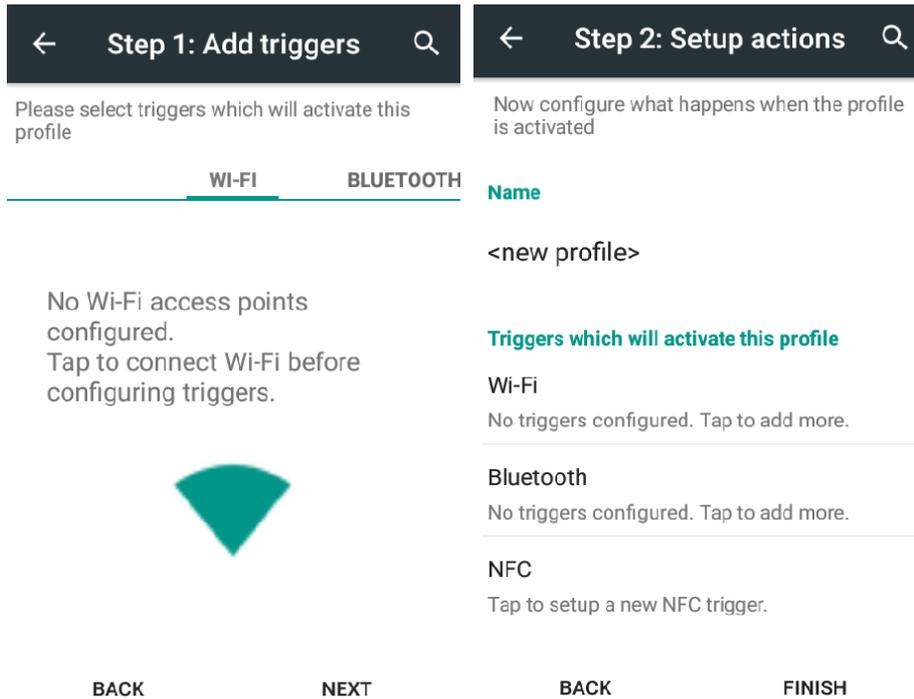
Select a scene mode, click on the left side of the radio button to enable this mode



Picture 7-36 System profiles

### 2. Create scenario mode

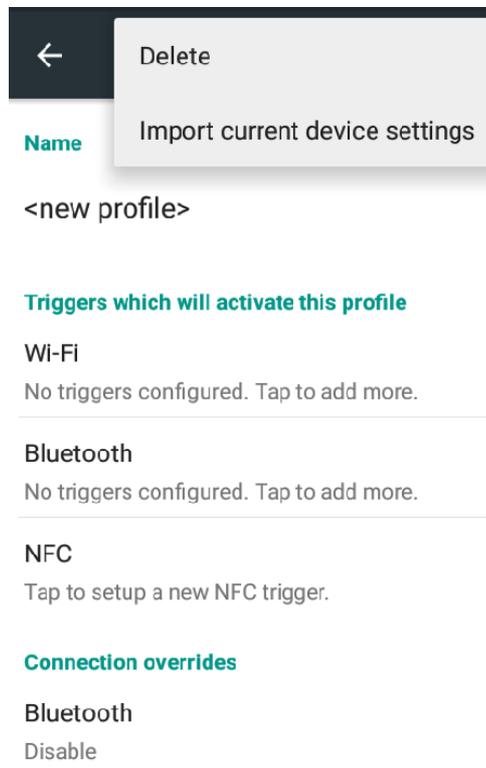
Click on the bottom right corner of this icon , add the corresponding trigger or do not add, click on the next step to enter the settings interface, enter a new scenario mode name in the text box. Set the options for the new scenario mode, click Finish.



Picture 7-37 Create scenario mode

### 3. Delete scene mode

Click the right set button to enter the settings interface, click the upper right corner to set the button or press the Menu button, click Delete.



Picture 7-38 Delete scene mode

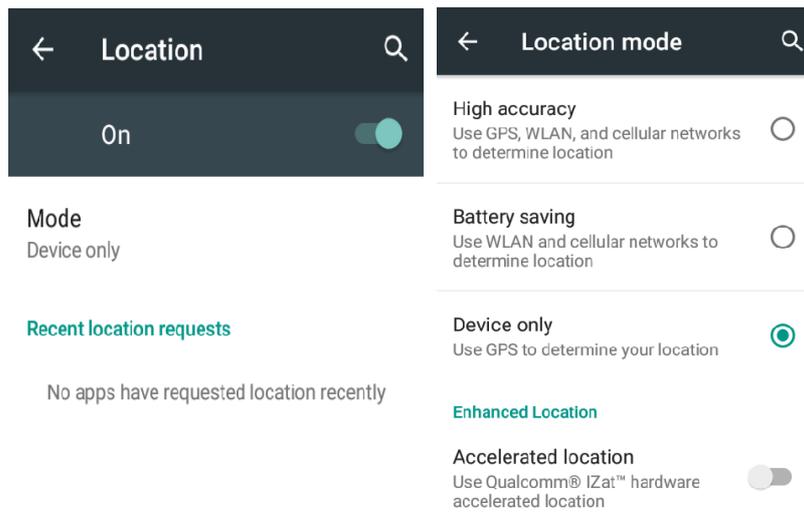
## 7.14 Location

Find this icon: 

Settings

Location 

Check the location of the Google service, GPS positioning function to open, can download the third party positioning software



Picture7-39 Location

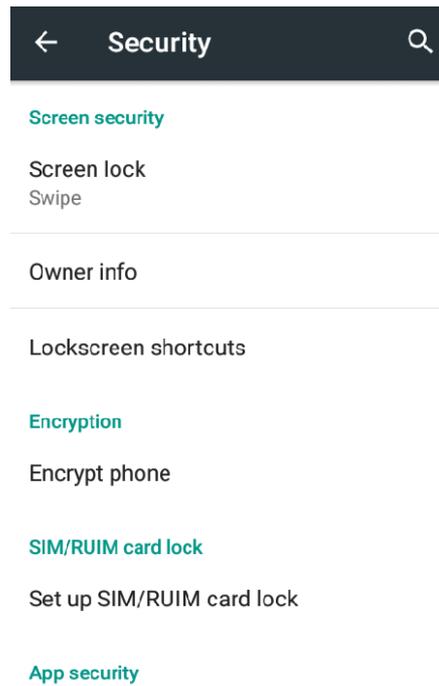
## 7.15 Security

Find this icon: 

Settings

Security 

Set the screen lock mode, the main information, encryption phone, display password, device manager, unknown source, unknown source application installation password settings, etc.



Picture7-40 Security

For unknown source applications, the default system is to limit the installation of the system, if you want to install, check the unknown source options, check the process will prompt input password, enter the corresponding password to install the corresponding application(Default password: 4007770876).

This feature will be reset after the next reboot of the device is not checked.

The corresponding password can be changed in the unknown source application installation password settings.

## 7.16 Accounts

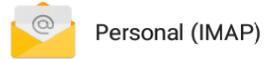
Find this icon: 

Settings

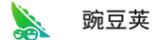
Accounts 

Set up account and synchronization information, ( Can synchronize contact information, calendar, etc., to other products in the cloud, need to set up the account and server)

### Add an account



QTI Logging



Picture7-41 Accounts

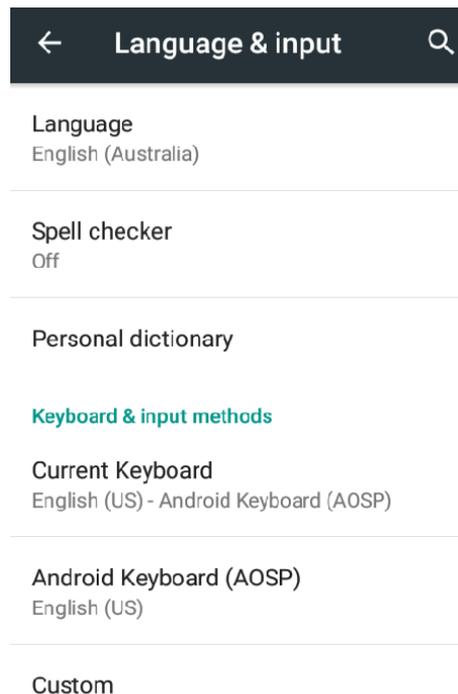
## 7.17 Language and input method

Find this icon: 

Settings

Language and input method 

Language selection, spell checking tools, and personal dictionaries, choose your favorite keyboard and input method, and set the text to the language output, pointer speed, if you install the other input method, will display in this interface.



Picture7-42 Language and input method

## 7.18 Backup & reset

Find this icon: 

Settings

Backup & reset 

Backup or restore data, restore factory settings



Picture7-43 Backup & reset

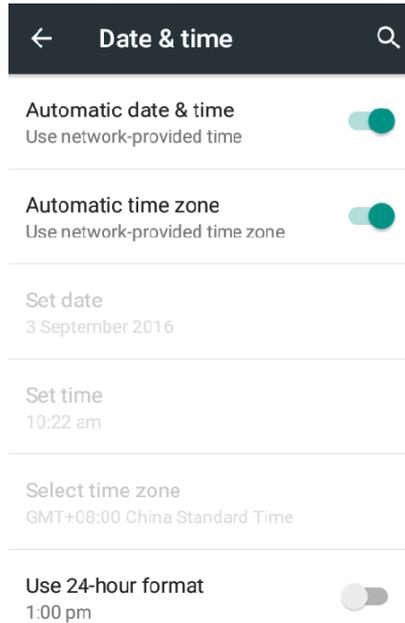
## 7.19 Date and time

Find this icon: 

Settings

Date and time 

You can use the time or time zone provided by the network, or manually set the date and time, select the time zone, you can also select the time and date display format.



Picture7-44 Date and time

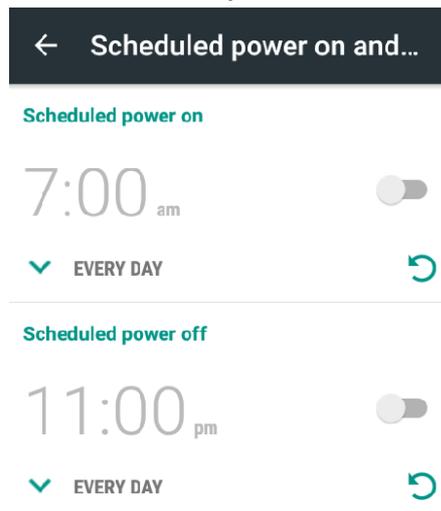
## 7.20 Scheduled power on and off

Find this icon: 

Settings

Scheduled power on and off 

Here you can set the system automatically shut down and boot time.



Picture7-45 Scheduled power on and off

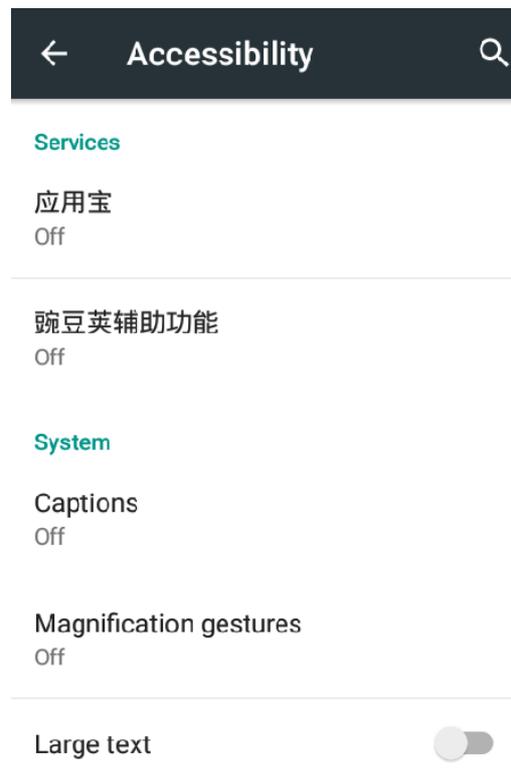
## 7.21 Accessibility

Find this icon: 

Settings

Accessibility 

You can set the system here, subtitles, amplifying gestures, large font and high contrast text, press the power button to end the call, text automatically rotate screen, say password and no shortcuts, obstacles to speech (TTS) output and touch and hold the delay.



Picture 7-46 Accessibility

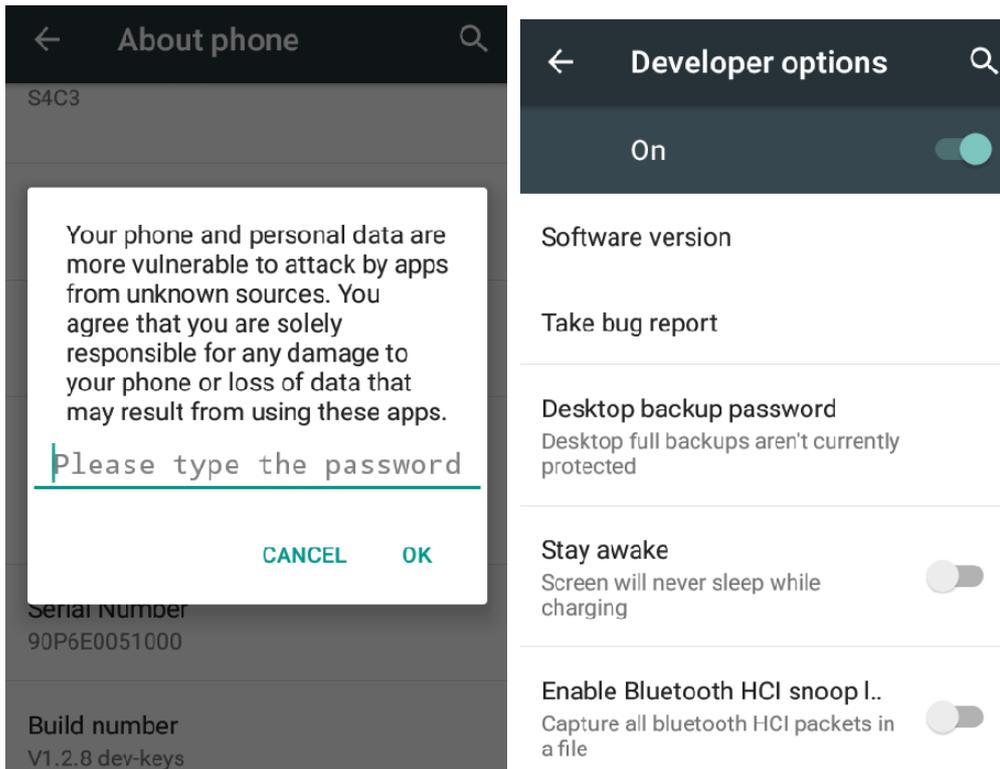
## 7.22 Developer

Find this icon: 

Settings

Developer 

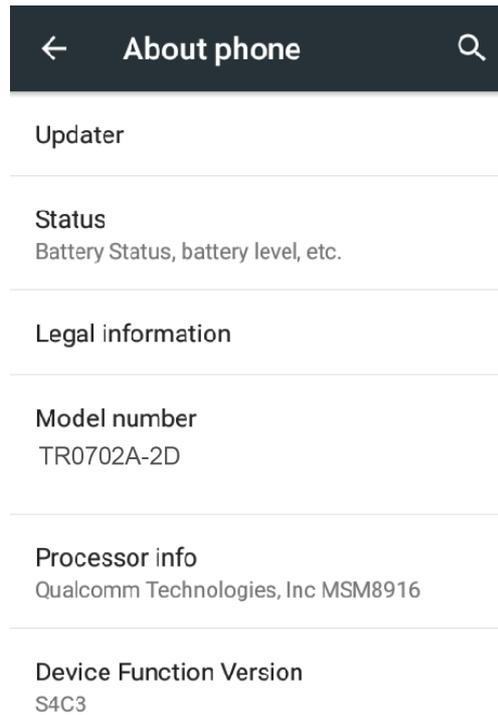
【Settings】 --> 【About phone】 --> 【Build number】 ,Multiple clicks on Build number, pop up password prompt box, enter the password 4007770876, you can open the developer options, you can get some other information on the device, Android universal.



Picture 7-47 Developer

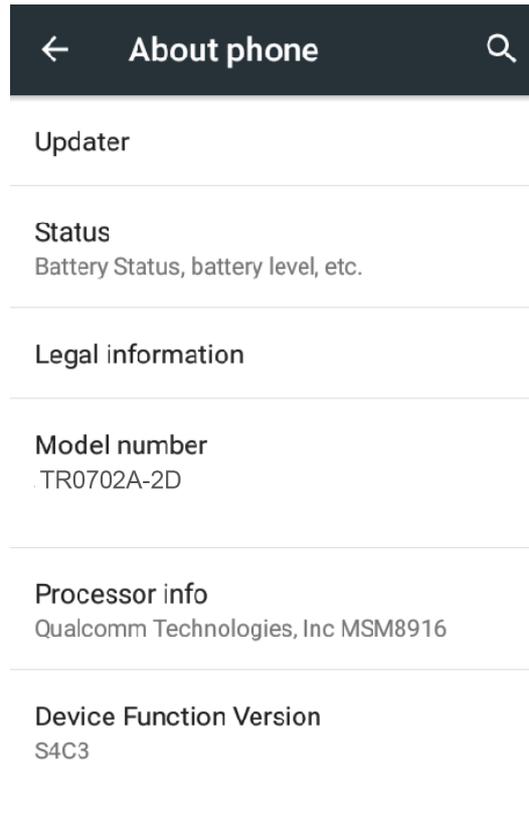
## 7.23 About phone

- Find this icon: 
- Settings
  - About phone 
- Device details:



Picture 7-48 about phone

1. Updater: remote upgrade system can be realized
2. State information view battery status, battery power, SIM card status, IMEI information, IP address, MAC WLAN address, Bluetooth address, serial number and the boot time
3. Model number: display the model of the device
4. Processor information: processor model
5. Function number: display the number of the device's function
6. Android version: Android system version
7. Baseband version: Device kernel information
8. Kernel version: Kernel version number
9. Serial Number: Display the S/N number of the device
10. Build number: Device system software version

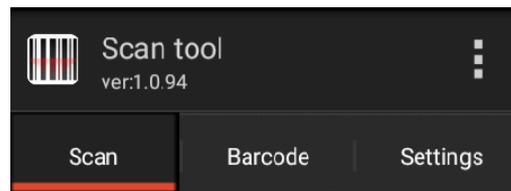


Picture 7-49 Status information

## 8 Chapter eight Typical application

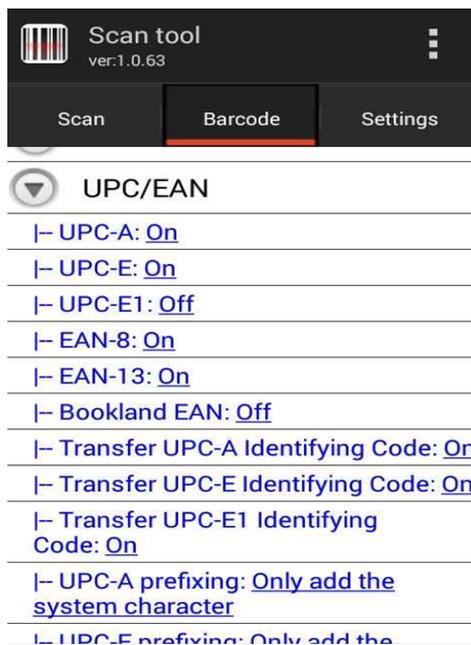
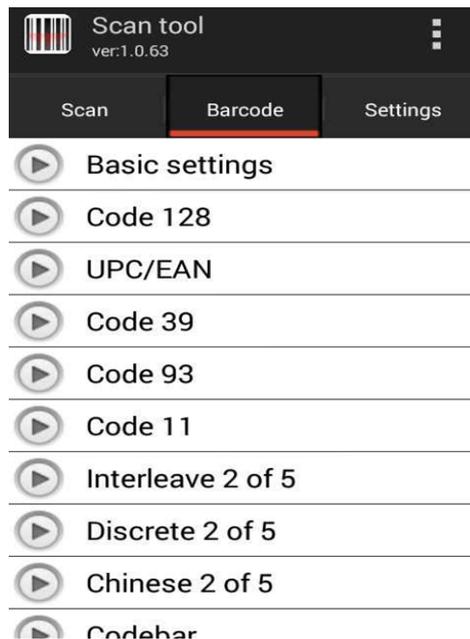
### 8.1 Scan tool

1. Find this icon , access to the interface.



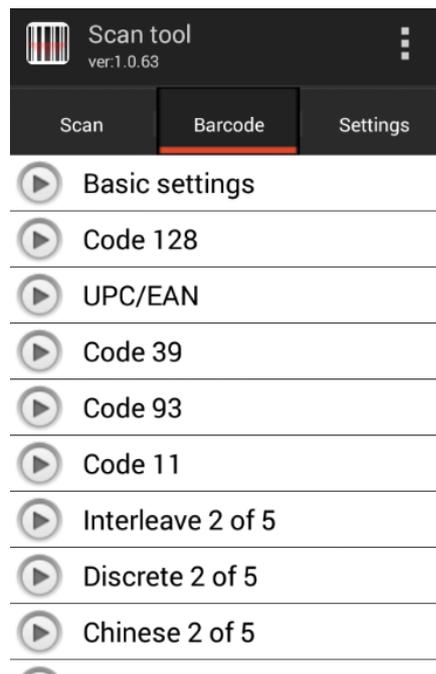
Picture8-1 Scan tool main interface

2 Select [Barcode], then you can enter the bar code type setting interface to set up the type of bar code.



Picture8-2 Bar code setting

3 Open [Basic settings], you can scan duration, angle, time, etc.:

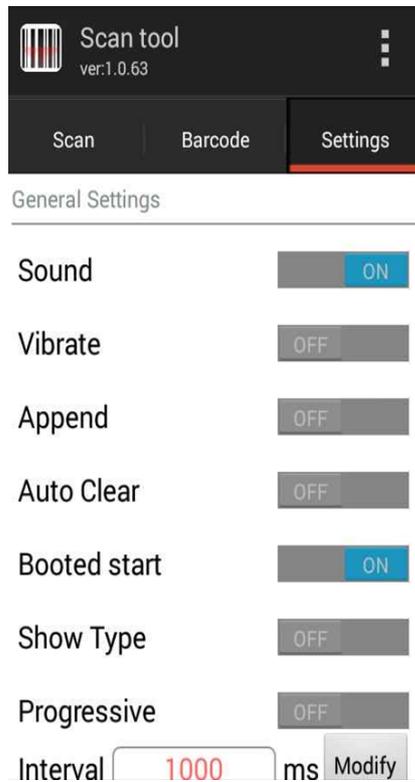


Picture8-3 Basic settings

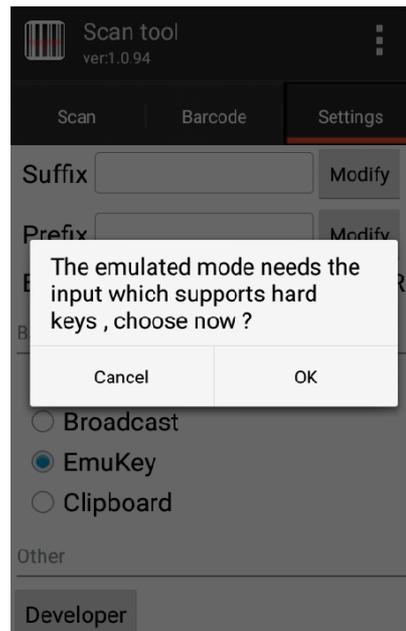
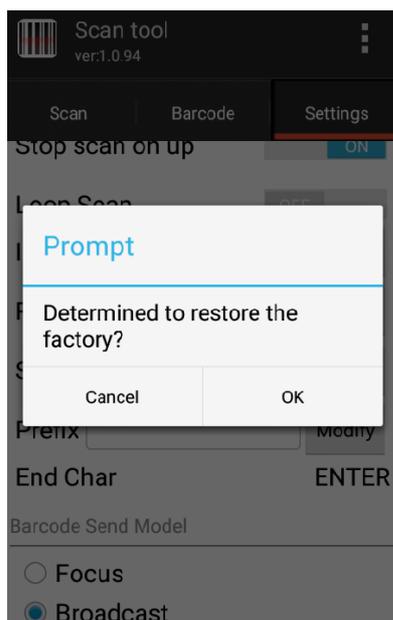
4. Open [Settings], you can set up the basic switch scanning, as shown in figure 8-4:

- (1) Scan sound: open the scan will have a sound tip
- (2) Vibrate: open the scan will shake tip
- (3) Append: the bar code can be continuous output
- (4) Auto Clear: scanning bar code will be automatically cleared on a bar code
- (5) Booted start: open the boot automatically when open scanner
- (6) Show type: open the bar code scan to display type
- (7) Filter invisible Char: To open can filter the invisible characters in the bar code.
- (8) Stop scan on up: When the scanning key is lifted, the scanning light is extinguished immediately, after closing, the scanning light is raised and the scanning light is extinguished
- (9) Loop scan: open, the scanning will be automatic continuous scanning
- (10) Interval time: to set the time, scan the bar code to complete the next bar code scanning interval time
- (11) Restore: Can restore the bar code default settings
- (12) Suffix: Can add their own bar code output suffix (can be numbers, letters, special characters, etc.)
- (13) Prefix: Can add their own bar code output prefix (can be numbers, letters, special characters, etc.)
- (14) End Char: Can choose the end of the bar code output, including: Tab, Space, Enter, None
- (15) Barcode Send Model: To focus on the choice of input, broadcast mode, analog keyboard or clipboard to send (Analog keyboard needs to choose the input method to support the hard keyboard), The focus of input method can choose the end of the button to send the button

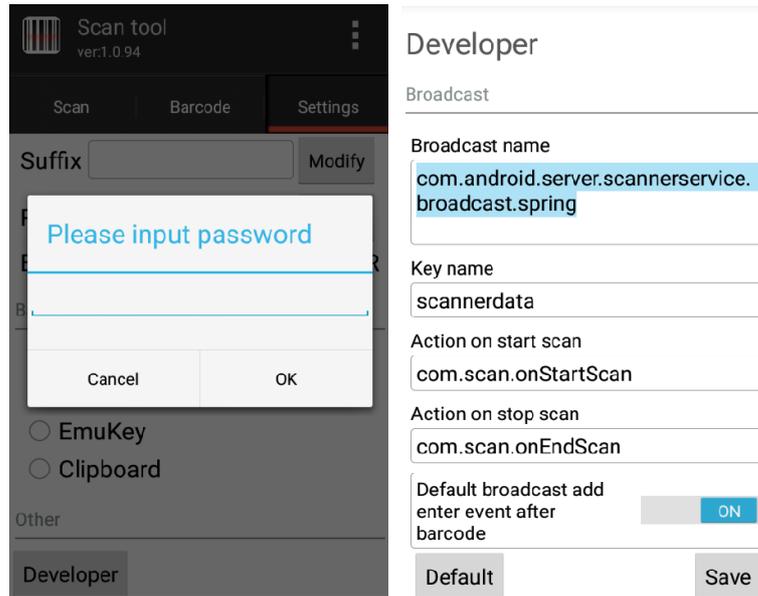
(16) Developer: Input password: 888888, Developer items can be modified (not recommended)



Picture8-4 Application settings



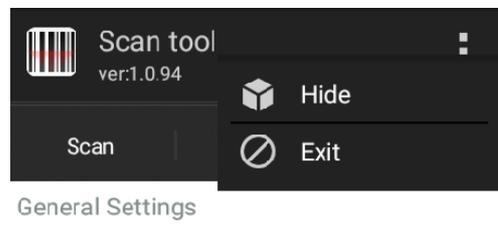
Picture8-5 Restore bar code default settings      Picture8-6 EmuKey settings



Picture8-7 Developer options

## 5. Program hide or exit

- (1) Select [hide], the program is running in the background, in any editing interface can be scanned by scanning;
- (2) Select [exit], the program will exit off.

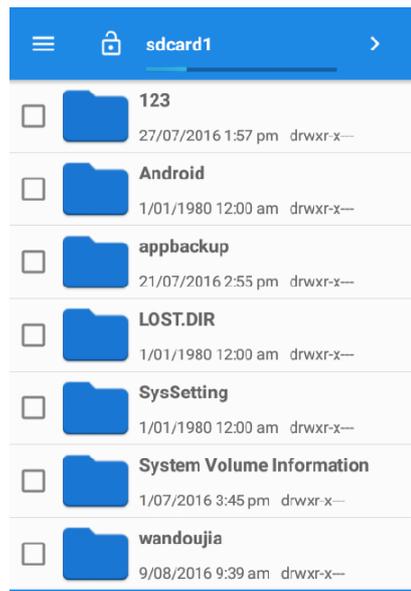


Picture8-8 Hide and exit

## 8.2 Import APK automatically

This product for the convenience of customers to install APK files, to provide the bulk of the installation, and this function in the equipment to restore factory settings will be automatically installed.

1. Create a new folder called "appBackup" in the root directory of the external SD card, put the application APK source need to be installed under the directory, insert external SD card into the device



Picture8-9 New appBackUp folder

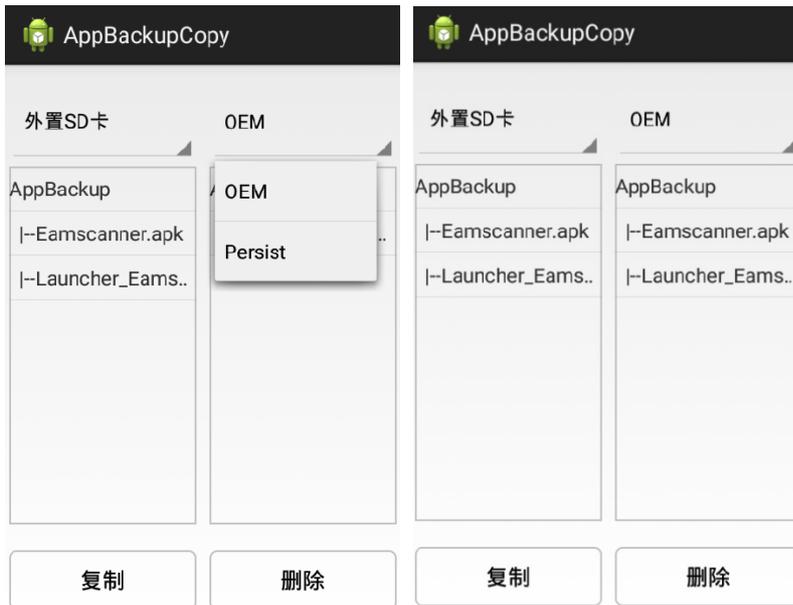
2. Enter the dialing interface, input "\*#911#\*", enter the AppBackupCopy application, as shown in the following figure:



Picture8-10 AppBackupCopy

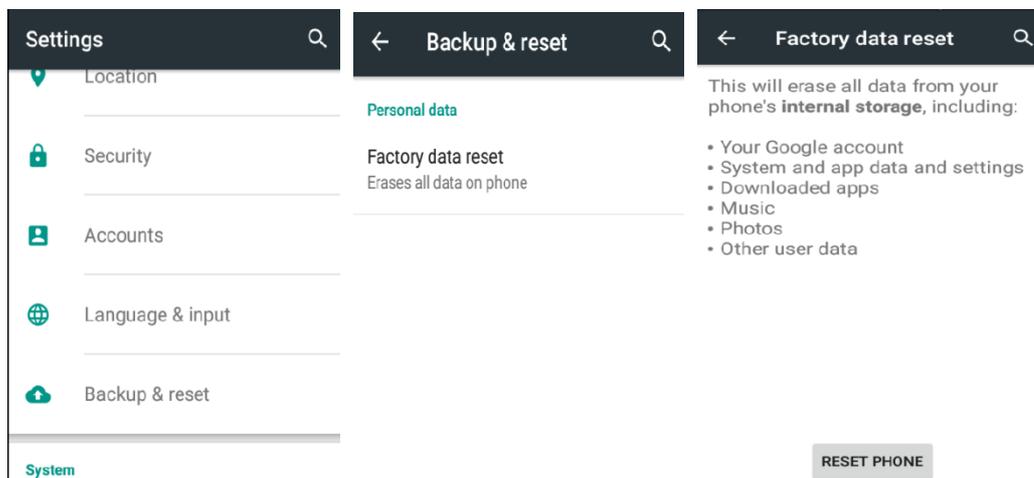
On the right side shows the external SD card /AppBackup placed under the APK directory, the left side is the path you want to copy, can choose to copy to OEM/Persist, and click to copy to complete the copy. As shown in the following

figure:



Picture8-11 AppBackupCopy

3. Select [Settings] ---- > [Backup&reset] ---- > [Factory data reset] ---- > [Reset phone] ---- > [Erase everything].



Picture8-12 Automatic installation

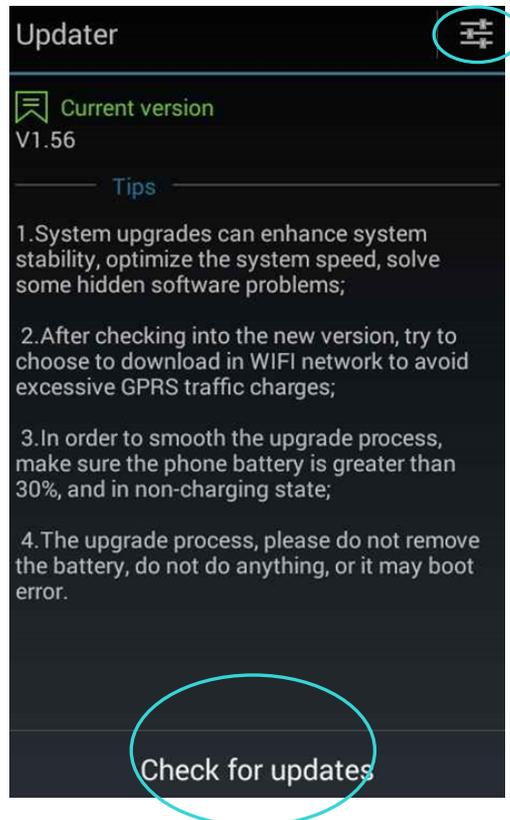
4. Device to restore the factory set to restart after the completion of the "appBackup" directory will be launched under the APK silent installation

### 8.3 System upgrade

This application is convenient for customers to achieve remote upgrade.



1. Find this icon: , enter **【System upgrade】** (or enter **【Settings】**---->**【About phone】**----> **【System upgrade】** ) as shown below:



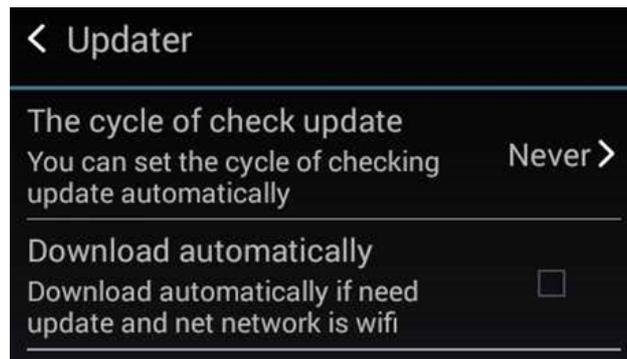
Picture8-13 System upgrade

2 Under the circumstance of network unobstructed, click the check Update button, if no update will prompt the current version for the latest version; if there are updates will be prompted to find a new version, click to enter the download interface.

3 Click on the download, after successful download, click on the update immediately then the device automatically restart to enter the upgrade state.

When the power is less than 30%, cannot be upgraded

4 System upgrade settings, as shown in Figure.

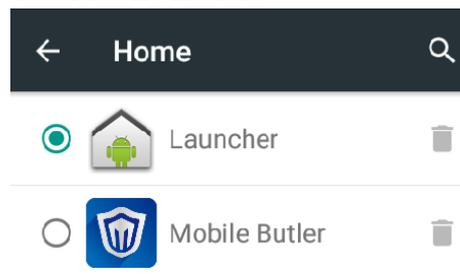


Picture8-14 OTA setting

## 8.4 Mobile Butler

This product in order to achieve the customer's needs to set up the Android handheld terminal authority, not permit for the use of non-specified APP.

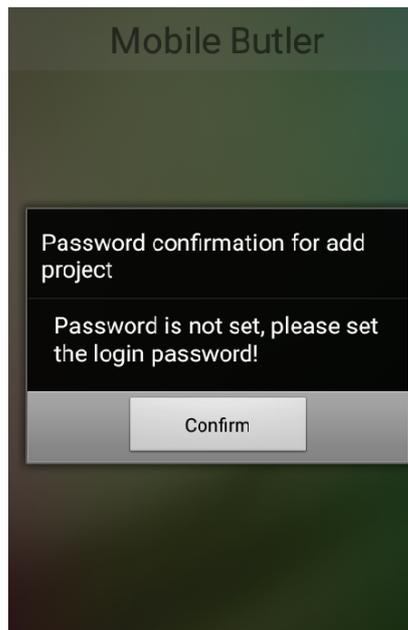
1. Enter settings-->Home, select Mobile Butler:



Picture8-15 Default launcher setting

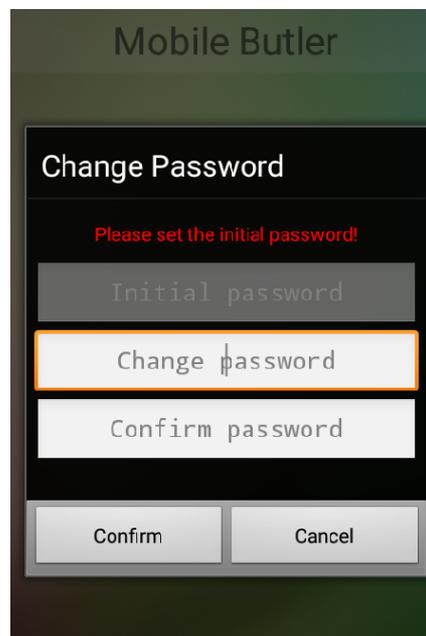
2. Administrator settings and change password

(1) Open application, press Menu key to add Desktop Project operation.



Picture8-16 Not set password interface

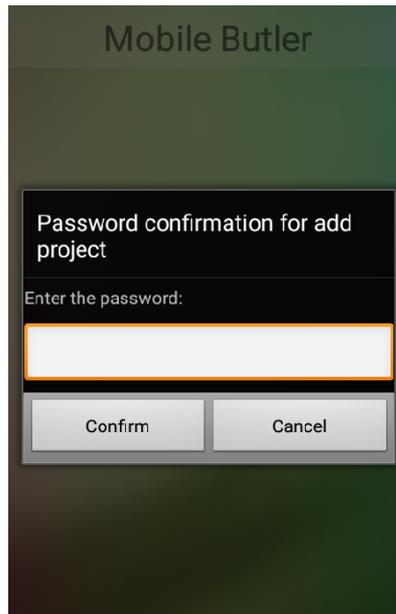
(2) You need to set the administrator password first, click on the [confirm] to pop up password set input box.



Picture8-17 Initial password settings

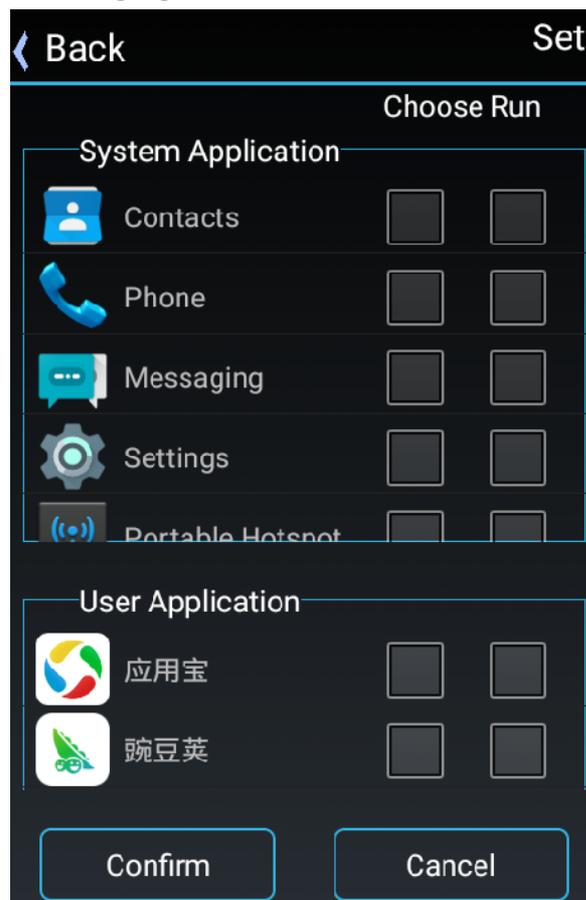
In accordance with the requirements of setting up the administrator password, such as: 123456 note: not for air.

(3) Press the Menu key again, as shown below:



Picture8-18 Password input interface

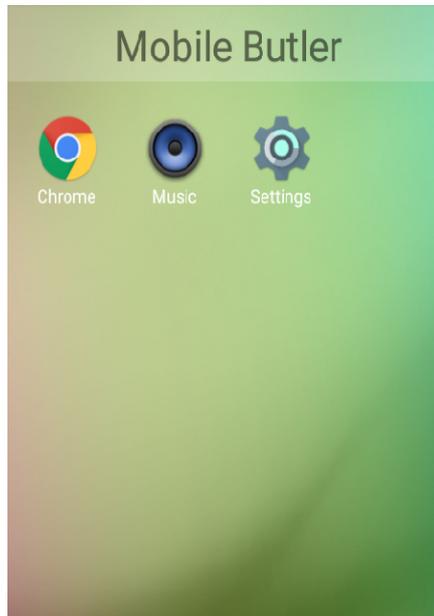
Enter the corresponding administrator password (123456). Then you can be verified by the emergence of the following figure:



Picture8-19 Add application interface

Select the application to add to the [Desktop], click the Confirm to complete the

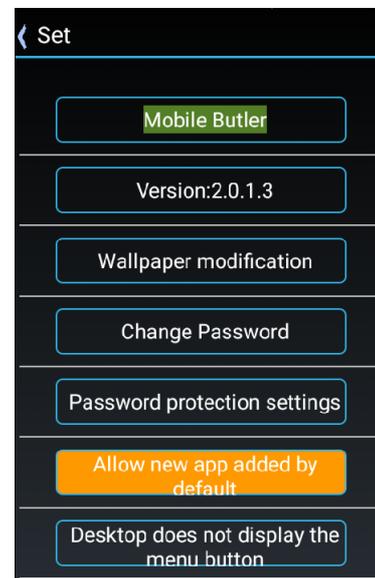
addition; select an application [Self-start], the device will automatically start the application (Note: boot from start the current only support one), as follows:



Picture8-20 main screen

(4) Administrator, password change

Input correct password, click Settings interface, click Modify password to appear to modify the password screen:

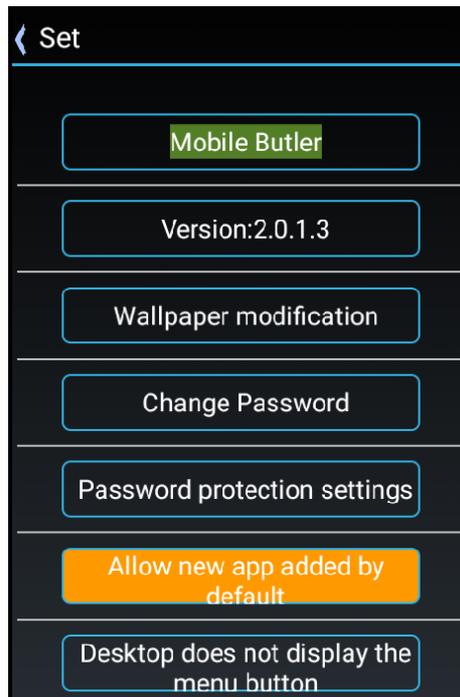




Picture8-21 Change password

(5) Administrator, name change

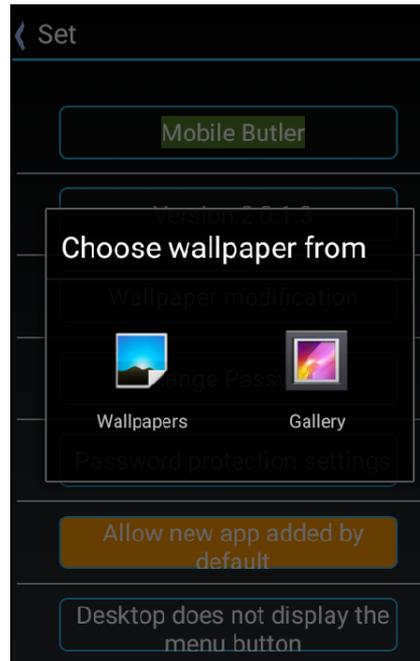
Get into the settings, you can modify the Mobile Butler name.



Picture8-22 Change the name

3. Wallpaper replacement

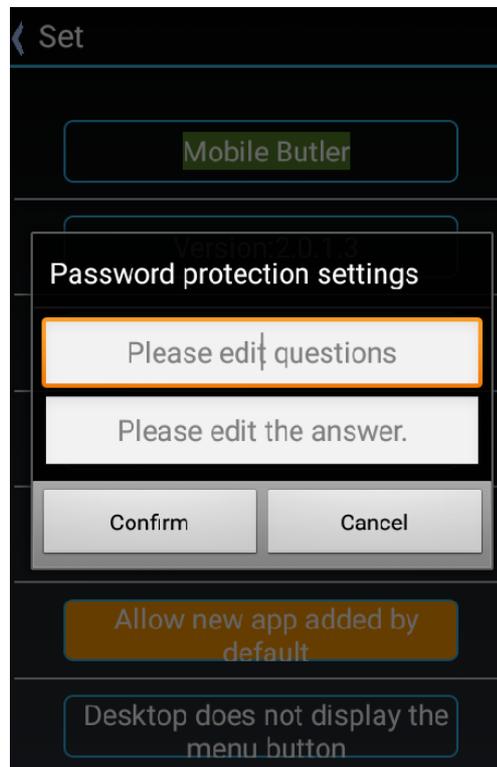
Enter [Settings] interface, click on the [Wallpaper], the following figure:



Picture8-23 Change the wallpaper

#### 4 Security settings

Set password protection (optional), as shown.



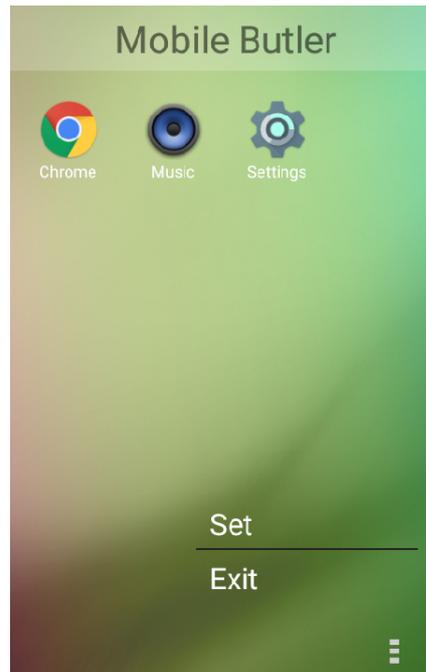
Picture8-24 Security settings

5 Allow new app added by default <---> Do not allow new app added by default  
Choose Allow new app added by default, after entering the Mobile Butler to install the application, are displayed on the Mobile Butler desktop. If choose Do not allow

new app added by default, then application that is installed will not be displayed on the desktop.

Note: the application of online upgrade is not a new application".

6.Desktop display menu button<---> Desktop does not display menu button  
Control whether the desktop display menu button, when you choose Desktop display menu button, then display this menu on the desktop, click the menu option: Set/Exit



Picture8-25 Menu button

Set: Directly enter the Mobile Butler set interface(Need password authentication)  
Quit: Exit the mobile housekeeper, back to default and the beginning of the launcher system(The device in the first to enter the Mobile Butler default starter options by default)

## 8.5 Hot key settings

This application is used in the setting of shortcut keys (Fn), which is convenient for customers to use frequently.

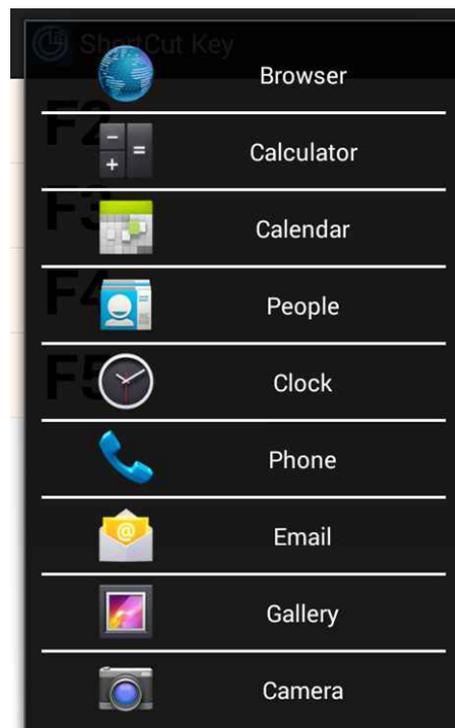


1.Find this icon: ,enter the hot key settings interface;



Picture8-26 The main interface of ShortCut key settings

2.ShortCut key settings, click the Fn key (such as: F2) to enter the setup interface, as shown below:



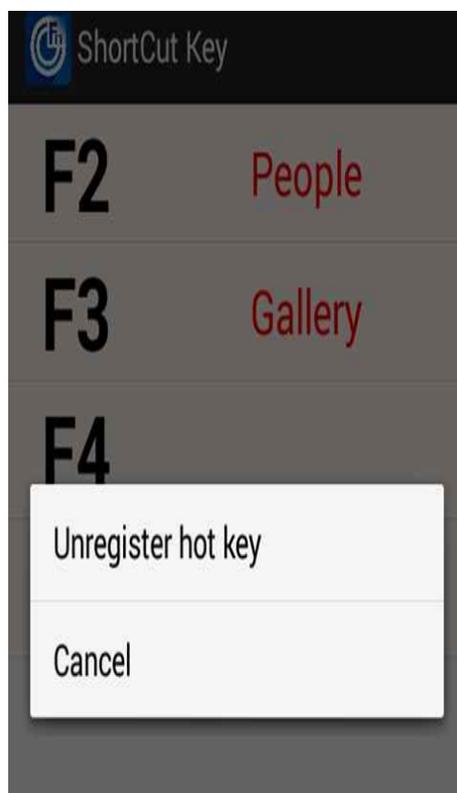
Picture8-27 Add hot key interface

Select the appropriate application, as shown in the following figure:



Picture8-28 Set ShortCut Key successfully

3.Remove ShortCut Key, press the Fn key (such as: F2), while the following interface appears:



Picture8-29 Remove ShortCut Key

Click [Unregister hot key], you can cancel the hot key settings, click [Cancel] to exit.

4. Use the hot key to get into the modulation Fn key mode, namely Fn button lights, then press F2-F10 on the keyboard.

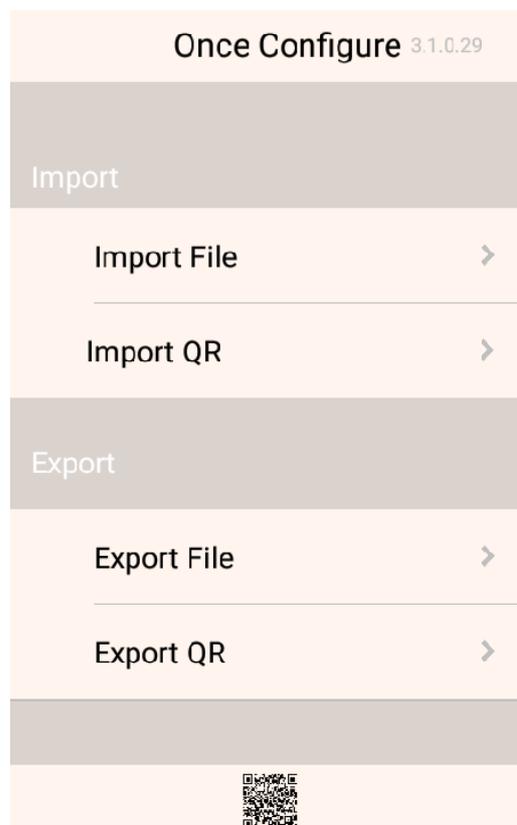
## 8.6 Quick configuration

This application in order to achieve the same type of equipment, the configuration of a device to quickly copy the information to another device, so that the two devices related to the same configuration.

Different types of equipment cannot achieve the configuration of the import operation.



Find this icon: , enter the Once Configure interface.



Picture8-30 Once Configure main interface

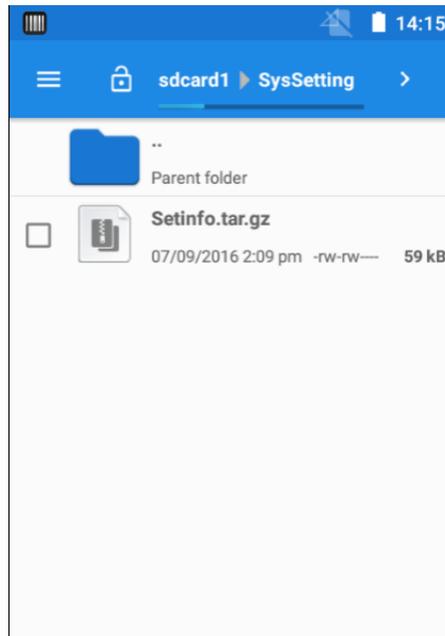
## 8.6.1 Import

### 1. Import File

Put the compressed package on the external SD card specified directory that meets the conditions of the configuration. External SD card system path is: SD card/SysSetting/Setinfo.tar.gz

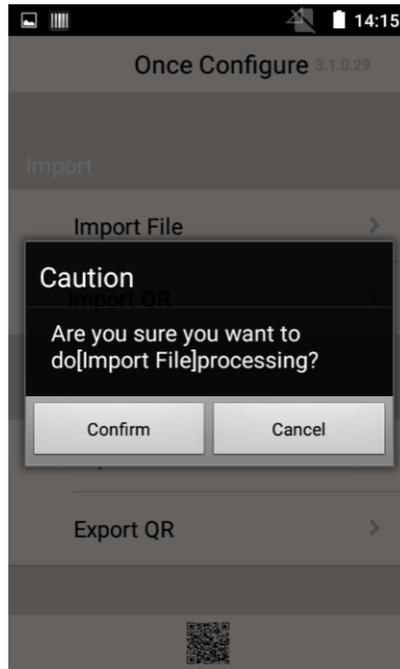
(1) Manual import:

1) Put the compressed package(File name is Setinfo.tar.gz ) into the external SD card / SysSetting directory, as shown in Figure



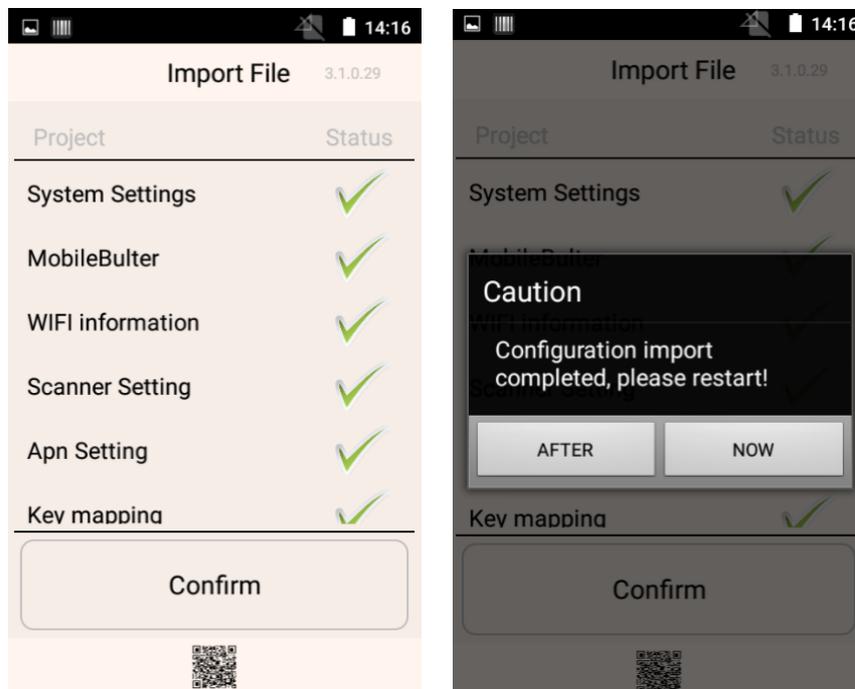
Picture8-31 Configuration compression package directory

2) Enter Once Configure, click **【Import File】** , Pop up as follows , click **【Confirm】**



Picture8-32 Import File

3) After the success of the import file into the project as well as the status, click on the confirmation, pop-up restart tips, click [immediately restart] to complete.( If you do not restart the configuration will not be effective immediately)



Picture8-33 Restart now

## 2.Import QR

This function can be achieved by scanning the two-dimensional code in the form of

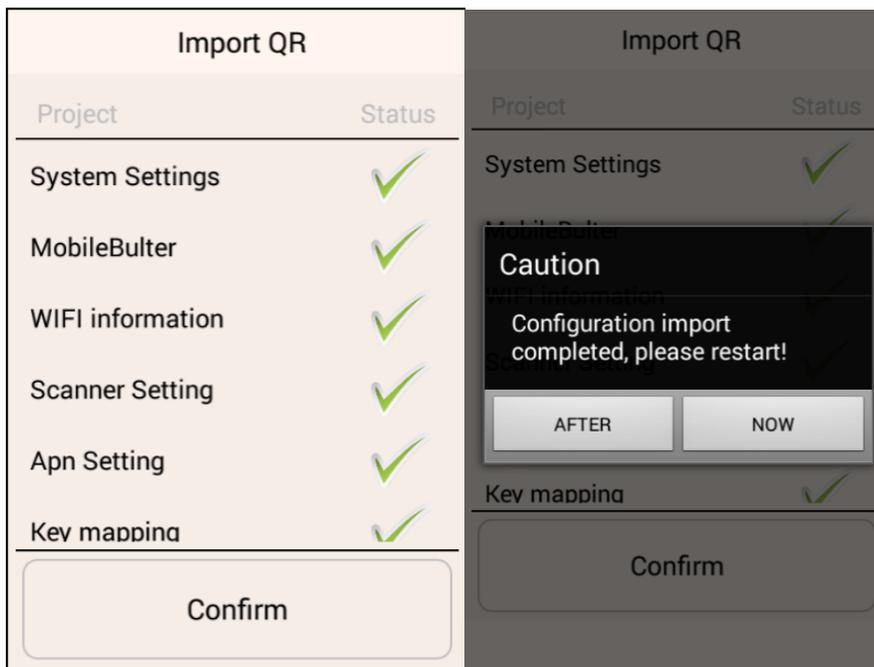
external configuration file import, you can call camera scan other external two-dimensional code into the configuration file.

(1) Enter Once Configure, click **【Import QR】** , put the two-dimensional code to be imported into the scanning frame, as shown below:



Picture8-34 Two dimensional code import window

(2) Scan after successful transmission, the pop-up two-dimensional code into the project as well as the state, after the confirmation, popping-up restart prompt, click [immediately restart] to complete. ( If you do not restart the configuration will not be effective immediately)



Picture8-35 The interface after successful transmission

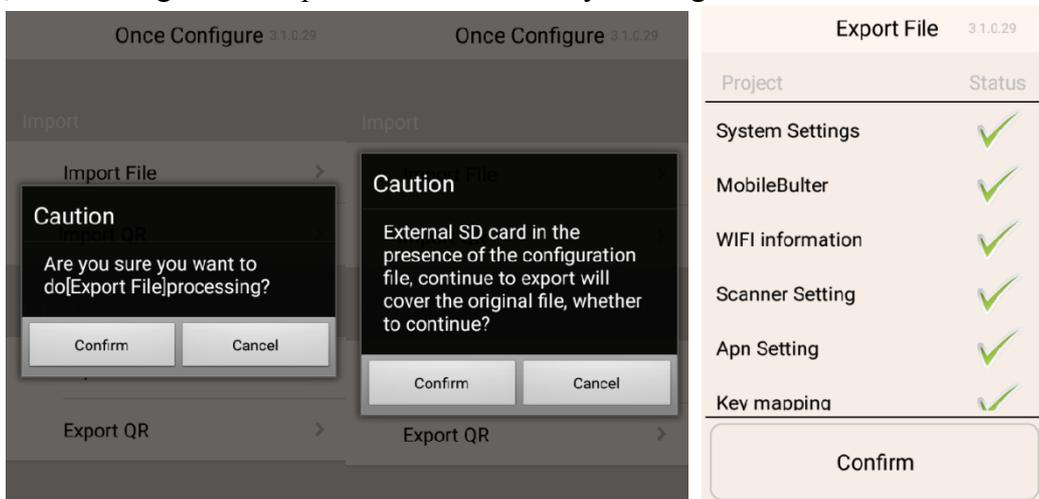
Note: if the two dimensional code density is too large, it will prompt resolution failure.

## 8.6.2 Export

### 1 Export file

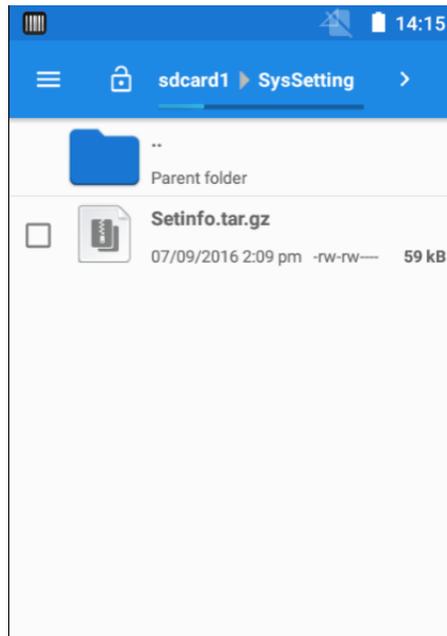
This feature can be configured to quickly configure all of the configuration items are exported to the external SD card specified directory. The name of the export file is Setinfo.tar.gz, the path is: SD card/SysSetting

(1) Enter Once Configure , click **【Export File】** ,Pop up the following interface to show success. External SD card in which there is a configuration file, the export will give tips, and once again the import will be covered by the original.



Picture8-36 File export

(2) The exported file name is Setinfo.tar.gz, enter **【File Manger】** ----> **【SD card】** ----> **【SysSetting】**

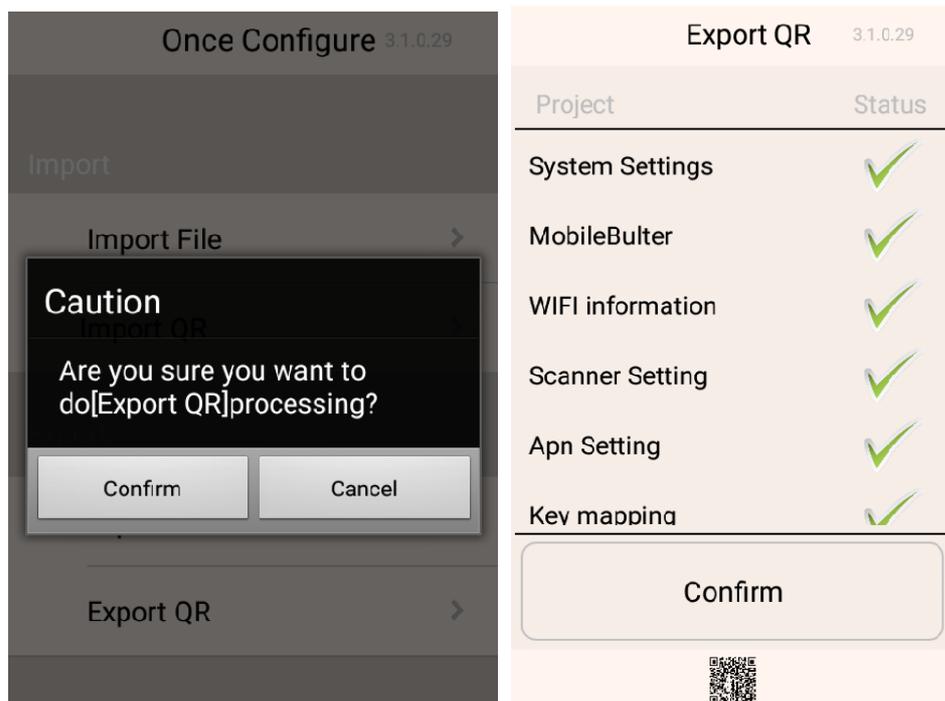


Picture8-37 File export path

## 2. Export QR

Two-dimensional code to generate two-dimensional code, by scanning the two-dimensional code to connect the Bluetooth channel, to transfer profile.

(1) Enter the Once Configure, click on the "Export QR", the following interface to show the success:



Picture8-38 Export QR

(2) Generated two-dimensional code image in the bottom of the application, click on the Export QR small icon, and slide around you can view the two-dimensional code



Picture8-39 Two dimensional code picture

## 8.6.3 User configuration

### 1. User Config file

Name: UserConfig.xml

Storage location: External SD card/SysSetting/UserConfig.xml

Example:

```
<?xml version="1.0" encoding="UTF-8"?>
<projects>
  <project desc="MobileBulter" desc_zh="Mobile Butler">
    <path>/data/data/com.cn.seuic.homedemo/databases/homeApp.db3</path>
    <path>/data/data/com.cn.seuic.homedemo/files/wallpaper.png</path>
  </project>
  <project desc="WIFI information" desc_zh="WIFI information">
    <path>/data/misc/wifi/wpa_supplicant.conf</path>
  </project>
</projects>
```

des : Set option default name

des\_zh : Set option English name

Path : Set option configuration path(Can set more, such as Mobile Butler)

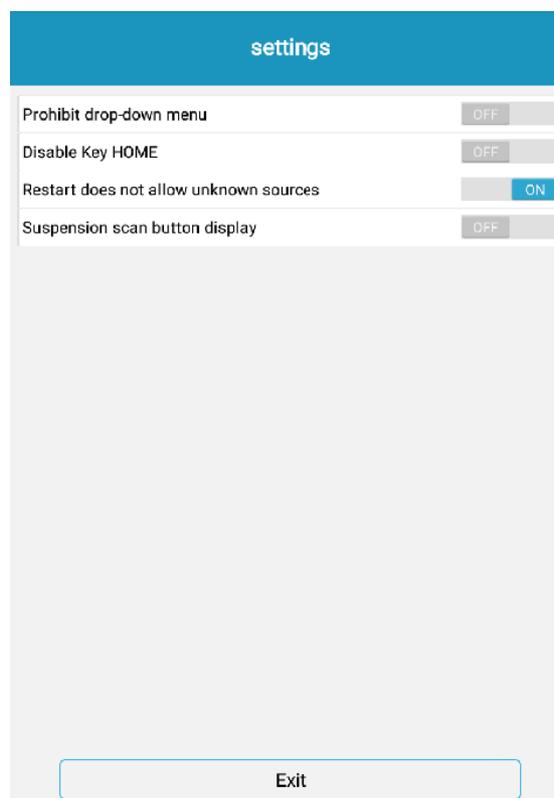
Note: if there are other languages, add the appropriate name, format: des\_Standard language abbreviation= Corresponding language configuration name

## 2. User configuration file export

Place the user profile in the specified location to meet the requirements of the document.

## 8.7 Feature Settings

This application is used for the rapid realization of customer's special requirements, to facilitate the rapid use of customers



Picture8-40 Two dimensional code picture

### 8.7.1 Prohibit drop-down menu

This function is open:

This function takes effect immediately, cannot drop down menu.

This function is off:

This function takes effect immediately, you can drop down menu.

## 8.7.2 Disable HOME Key

This function is off:

Home key  on the hardware keyboard is available, click to return to the main desktop.

This function is open:

Home key  on the hardware keyboard is not available, click with no reaction, it has been disabled.

## 8.7.3 Restart does not allow unknown sources

This function is off:

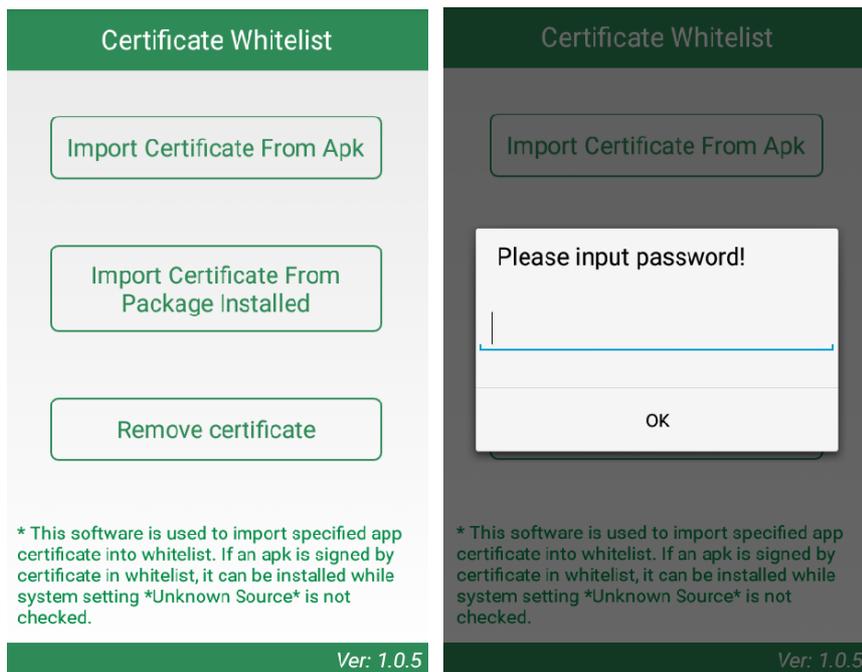
Restart device, unknown source won't be cancelled, you can install APK directly, no need to enter the password again.

This function is open:

Restart device, unknown source is cancelled, re-install APK need to re-enter the password.

## 8.8 Certificate Whitelist

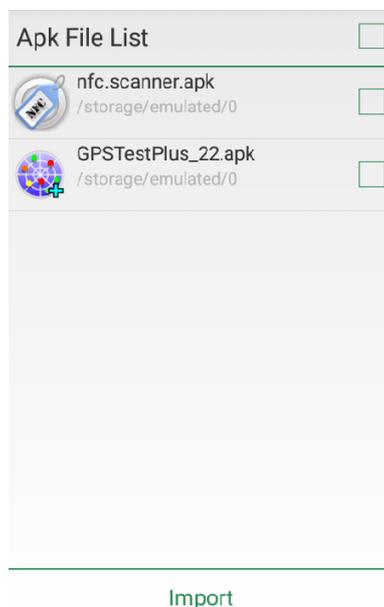
This software is used to import specified app certificate into Whitelist. If an apk is signed by certificate in Whitelist, it can be installed while system setting\*Unknown Source\* is not checked. The password is:20020322.



Picture8-41 Certificate in Whitelist

### 1.Import Certificate From Apk

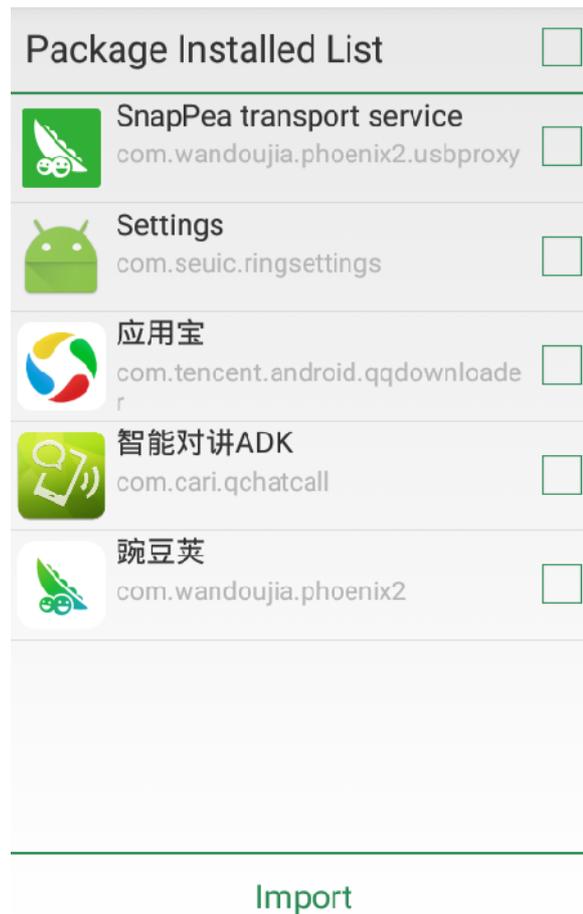
The application will search for all APK files within the directory of the internal storage device, and display the file name and directory. The user clicks the **【import】** button to import the certificate in the selected APK file to the system when the single or multiple item is selected.



Picture8-42 APK file import list

### 2.Import Certificate From Package installed

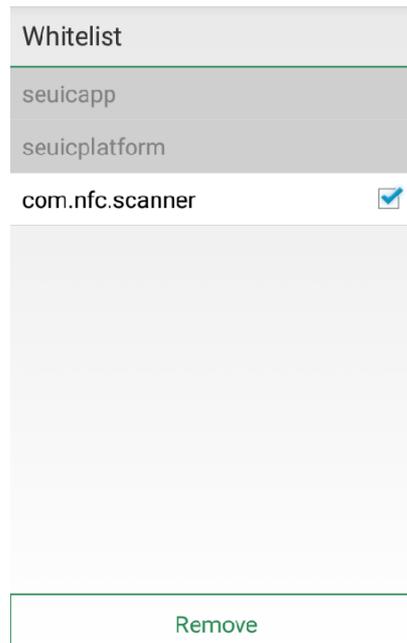
The name of the third party APP that has been installed in the display system and its package name, the user clicks the **【import】** button to import the certificate in the selected APK file to the system when the single or multiple item is selected.



Picture8-43 Installed package name list

### 3.Remove certificate

The application will display the name of the certificate that has been added. Check a single or multiple display items after the click [Remove] the corresponding certificate from the system to remove the white list. Displayed as gray and non - check box display items for the system default certificate, cannot be deleted.



Picture8-44 Signature white list category

Note:

The added certificate will be named after the name of the APP package.

Certificate with the same contents as the package name, save only one record, and named after the first record.

## 9 Chapter nine Troubleshooting

Problems	Reasons	Solutions
Press the power button, 9/9HC 3NSTAR RUGGED TABLE is not on the boot	Battery power is too low or not charged	Charge or replace the battery
	Battery installation is not correct	Properly installed battery
	System crash	Soft reset
Rechargeable batteries no longer charge	Battery failure	Replace battery
	Battery temperature is too high / low	The battery is in the normal temperature environment.
No sound	Volume too low or off	Adjust the volume
3NSTAR RUGGED TABLE 9/9HC off by itself	3NSTAR RUGGED TABLE 9/9HC is in a state of inactivity	After a period of inactivity, the mobile data terminal will be closed. set

		to 15S to 30Min, or never sleep.
	Battery dies	Charge or replace the battery
The bar code is not decoded when read in 3NSTAR RUGGED TABLE 9/9HC	Scan tool is closed	Load scan application in 3nStar Rugged tablet 9/9HC
	In the bar code settings or application settings interface	Set the scanner to the scan interface, or hide the scanner
	Bar code is not readable	To ensure that the bar code has no defects
	No bar code decoding function	Enter the bar code settings, open the corresponding decoding
	The bar code type is not supported on 3NSTAR RUGGED TABLE 9/9HC	
	The distance between the 9/9HC 3NSTAR RUGGED TABLE and the bar code is not appropriate.	3NSTAR RUGGED TABLE 9/9HC is placed in the correct range.
Cannot find any Bluetooth devices nearby	Too far from other Bluetooth devices	Move equipment to other Bluetooth devices, 10 meters (32.8 feet) apart.
	Nearby Bluetooth devices are not open	Open Bluetooth devices to find
	Bluetooth device is not in the discovery mode	Set the Bluetooth device to the discovery mode
Cannot connect to AP	Show the problem of "authentication"	WLAN password is wrong
Cannot take pictures	Show "no storage device"	Exit USB mode
	Show "camera malfunction"	Close the two dimensional, two-dimensional camera cannot open the light
	Prompted the insufficient SD card space"	Clear memory or switch storage location
Cannot use mobile data access	Mobile data is not open	Enter settings, enable data network
	Network mode selection is not correct, not registered on	Enter settings, select the correct network model

	the SIM card	
	SIM card arrears	Recharge the SIM card in time

### Optional accessories

Please keep the original packing box and packing material in order to repair or storage the machine in the future. The following attachments can better improve your work, you can choose according to need.

- ▶ 3NSTAR RUGGED TABLE PAD series product
- ▶ Apad power adapter



- ▶ Apad USB cable



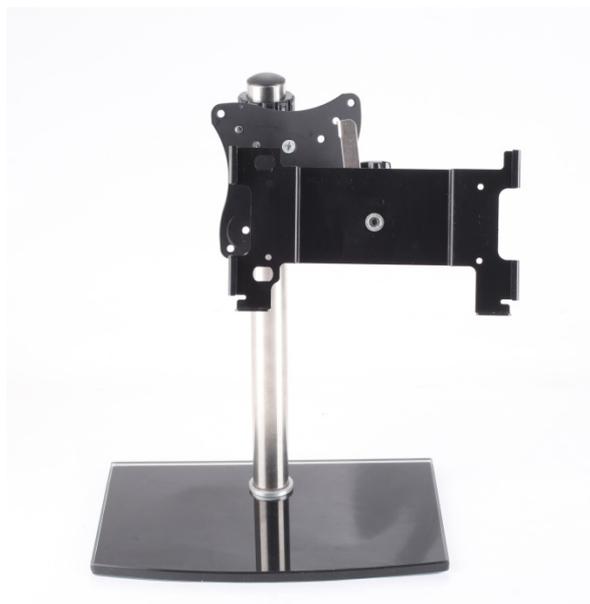
- ▶ Apad Hand Belt

- ▶ Apad Hand belt buckle
- ▶ Single-Slot Charging Dock

<b>Input voltage</b>	DC 5V±5% 2A (MAX)
<b>Auto voltage</b>	-----
<b>Output voltage</b>	DC 5V±5%
<b>Output current</b>	DC 2A (MAX)
<b>Work environment</b>	Temperature        -10—+50    °C humidity        0-90%
<b>Size</b>	224mm×74mm×44mm



- ▶ Apad desktop type bracket



- ▶ Apad fixed bracket



- ▶ Apad magnetic suction data cable



- ▶ Apad tail plug serial cable



- ▶ Apad RS485 cable

- ▶ Apad mounting bracket



- ▶ Apad vehicle mount

