

# BX6200 User Manual



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# 1. Product introduction

## 1.1 Precautions for Laser Scanning



Do not look directly into the scanning beam to avoid hurting your eyes.

## 1.2 Safety Precautions

- 1) Your device is only allowed to use the specified batteries and chargers provided by our company; using any other products may cause the battery to leak, overheat, even burst or short-circuit and catch fire.
- 2) It is forbidden to use the charger in the case of short circuit, otherwise it may cause electric shock, fire and damage to the charger.
- 3) Please do not use the power adapter when the power cord is damaged, otherwise it may cause electric shock and uncontrollable risks.
- 4) Please do not disassemble or modify the power adapter, otherwise it may cause personal injury, electric shock, fire and damage to the power adapter.
- 5) Please use a soft dry cloth to clean the device, battery and power adapter.
- 6) Do not wipe the device with solutions such as alcohol, thinner or benzene.

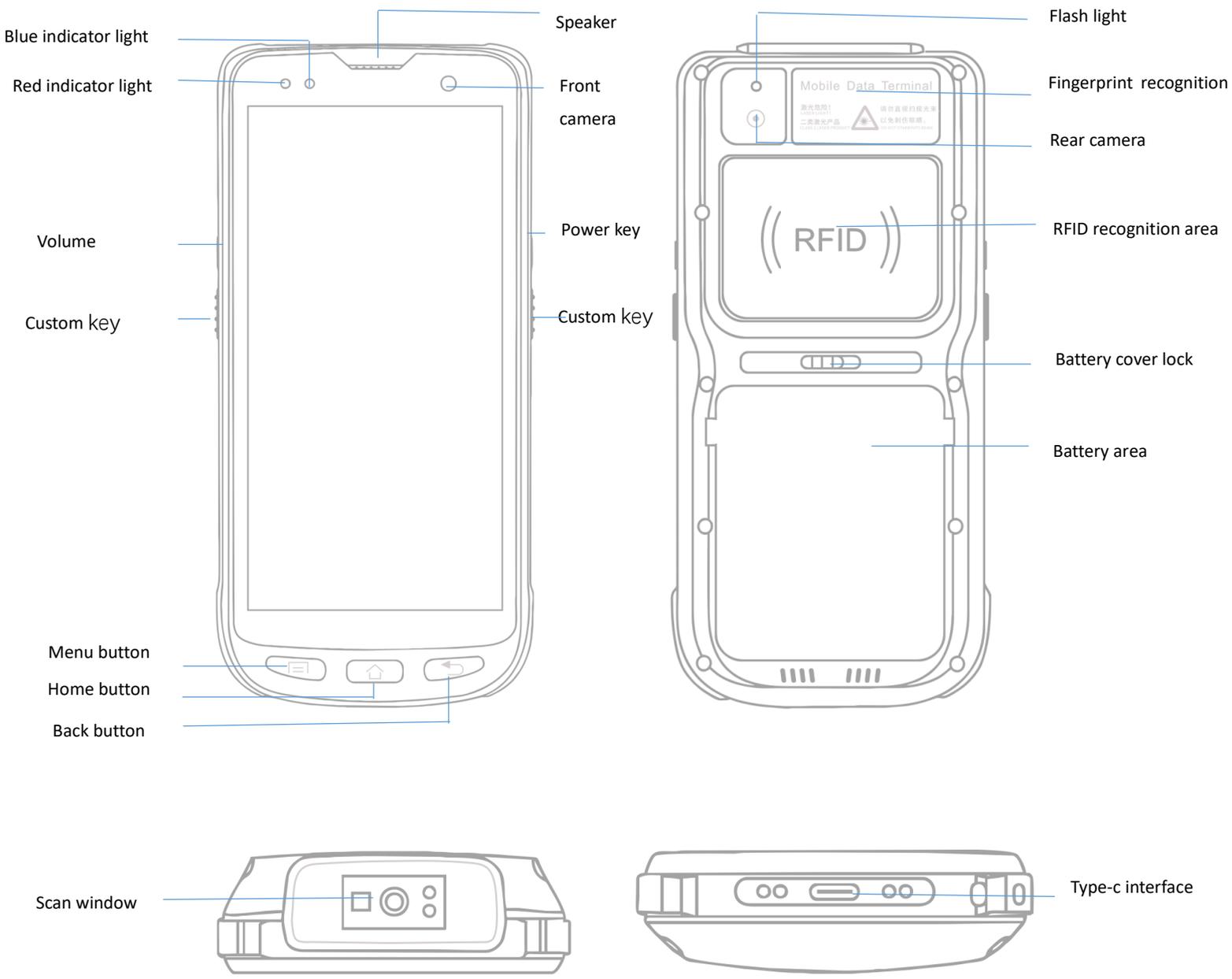
## 1.3 Maintenance precautions

- 1) This product is waterproof and dustproof, but operation in extremely high/low temperatures or humid environments should still be avoided.
- 2) Pressing the screen too hard may damage the screen. Do not use a resistive touch pen to tap the screen to avoid scratching or damaging the screen. To clean the screen, spray a small amount of commercial LCD screen cleaner onto a soft cloth, avoid spraying cleaner directly on the screen.
- 3) Do not use any chemical cleaners to wipe the LCD screen.
- 4) Keep the scanning window clean and free of stains, and do not use sharp objects to scratch it.
- 5) If you do not use this product for a long time, please download and save the data to your computer for storage. At the same time, unplug the device battery to power off the device promptly.

6) When used for the first time or restored to use after storage, the machine's battery will take a long time to complete charging.

7) If a machine failure is found, please record the cause of the machine failure and contact the maintenance personnel in time.

### 1.4 Product appearance introduction



Key Description:

The BX6200 data collector has a total of 7 physical buttons, including three function keys on the front (Home button, Menu button, and Back button), 2 buttons on the left (volume button, and custom function button) on the right side. 2 buttons (power button, custom function button respectively)

Key		Introduction
	Home	Click Home key will turn back to home page
	Menu	Click Menu will open task manager
	Back	Click back will return to the previous interface or exit the application. In the text input interface,click will turn off the on-screen keyboard
	Power	Short press in standby mode to sleep/wake up the device. Press and hold for 3 seconds when it is turned off to turn on the device.
	Volume	Press and hold to increase the system volume. When the system volume is at its maximum, press again to decrease the volume.
	Right custom button	Custom key/barcode scanning
	Left custom button	Custom key/barcode scanning

## First time use

Press and hold the power button 3S to turn on the Power. When the system is working, short press the Power button, and the device will enter sleep state; while in the sleep state, short press the Power button, the system will wake up and light up the screen.

## Power on

You can turn on the machine by pressing the power button. In deep sleep mode, short press the power button to wake up the system.

## Power off

When the machine is turned on, long press the power button for 2 seconds in the non-sleeping state. The option menu will pop up on the right side. Select the power off option to shut down normally.

## Restart

When the machine is turned on, long press the power button for 2 seconds in non-sleeping state, the option menu will pop up on the right side, select the restart option, and it will shut down and restart normally.

## Screenshot

When the machine is turned on and in non-sleeping state, press and hold the power button for 2 seconds. The options menu will pop up on the right side. Select the screenshot option to take screenshots normally.



## 1.5 Install Micro SD card and SIM card

Insert the SIM card as shown in the figure, and the SIM card slot is the default card slot. Install Micro SD card: Gently push the metal cover forward to unlock the card slot, insert the SD card, flatten the metal cover and push down to lock the metal cover.



## 1.6 About battery installation and charging

**Install the battery:** The battery of this product is removable. When installing the battery, please follow the following steps:

You need to push the battery cover lock to the right, and push the battery back cover downward in the direction as shown in the figure to replace the battery.(It is not recommended to frequently disassemble the battery.)



## About battery charging:

Since the battery only has a small amount of power for testing when it leaves the factory, you must charge it before using it when you receive the machine.

Charging time : Charge the battery through the power adapter. The first charging time takes about 6 hours. when in charging,the red indicator light will light up , and when full charged,the blue indicator light will light up.

Charging temperature: The optimal operating temperature is room temperature 18~25°C. The battery will not be charged when the temperature is below -10 °C or above 50 °C.

Battery powered: If the wireless network service or data collection program is turned on, the battery power will be greatly consumed. It is recommended to close the program when not using this function to save power.

Tips: If you do not use the product for a long time, please charge the whole machine at least once every two months.

## Precautions when using batteries

If the battery is exhausted, you may not be able to turn on the phone immediately when you first plug in the charger. This is normal. Please continue charging for 30 minutes before turning on the phone.

The battery can be charged repeatedly, but the battery is a consumable product. If you find that the standby time of the device is significantly reduced, please replace it with a new battery.

Battery charging time changes with temperature conditions and battery usage. Please charge within the range of -10°C~50°C.

When the battery power is low, the device will pop up a low battery prompt. When the battery power is too low, the device will automatically shut down.

## LED indicator light

The LED indicator light on the upper left side of the machine indicates the battery status and charging status of the machine according to different colors:

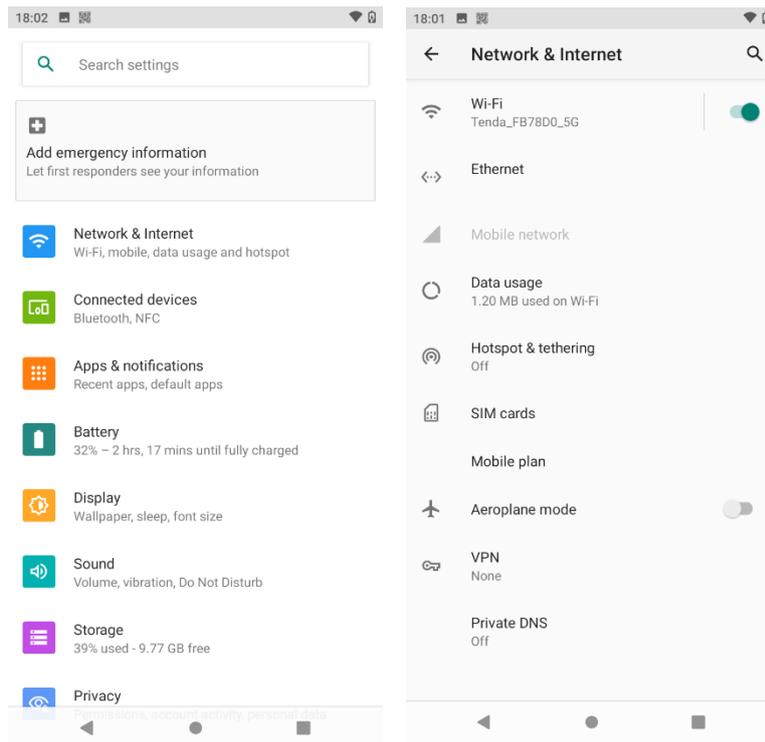
When the USB, power adapter, or tail plug is plugged in, the light turns red to indicate that the battery is charging;

When the USB, charging adapter, or tail plug is plugged in, the battery will turn blue to indicate that the battery is fully charged.

# 2. Network and settings

## 2.1 WiFi

Wi-Fi : Settings - Network&internet - Wi-Fi, Click wifi and you will see the discovered Wi-Fi network will appear in the Wi-Fi network list. Click on one of Wi-Fi network to connect to it

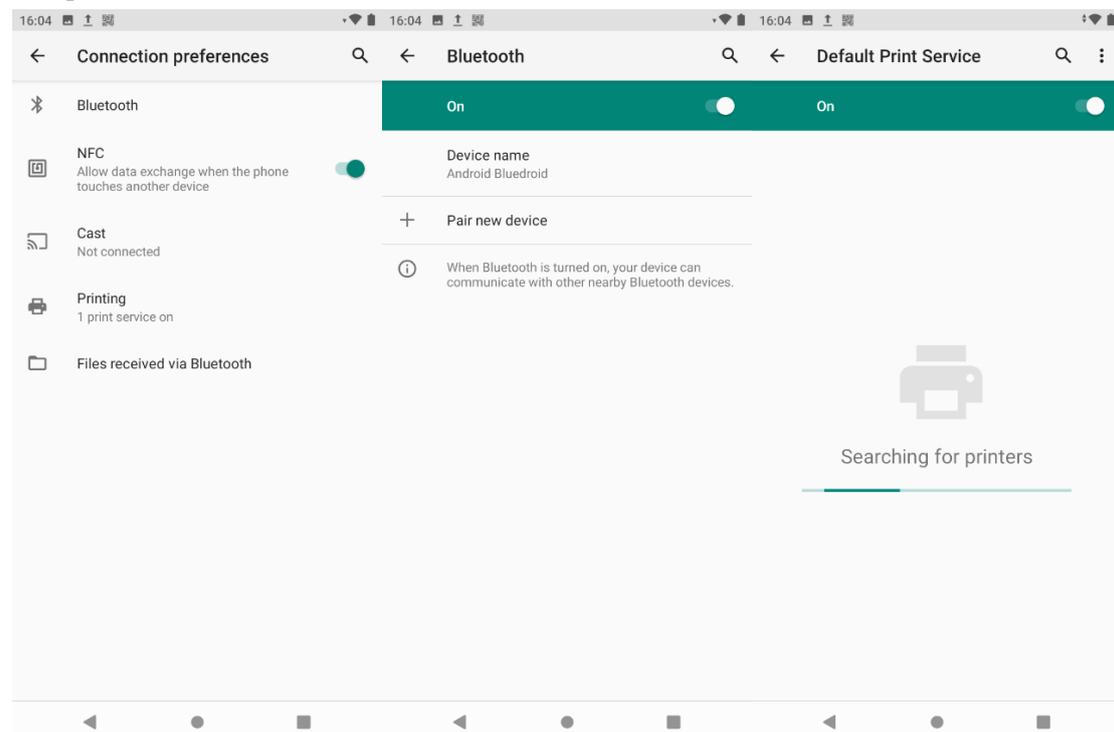


## 2.2 Bluetooth

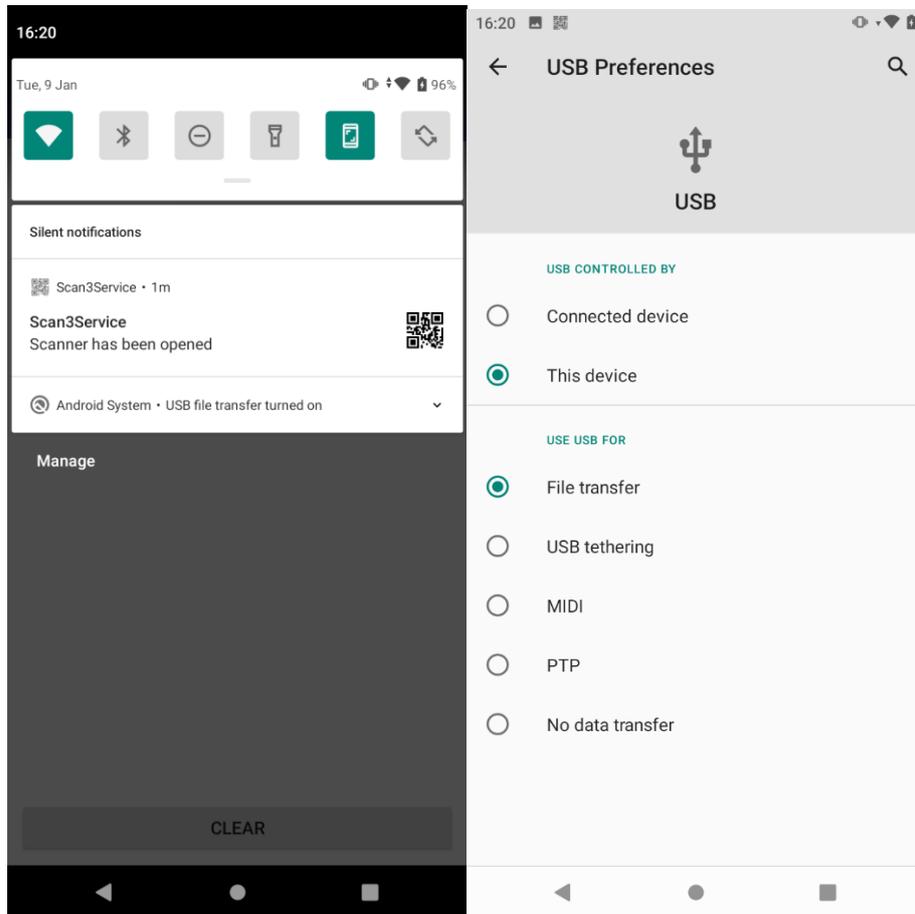
(1) Click the Bluetooth off/on button, click Pair with new device, turn on and search for other Bluetooth devices, and select the Bluetooth device to be connected for matching;

(2) For successfully paired devices, click the settings button on the right to rename the device, cancel pairing and other options, and perform corresponding operations according to needs.

(3) print service; turn on the print service and searching for bluetooth printers to pair and print



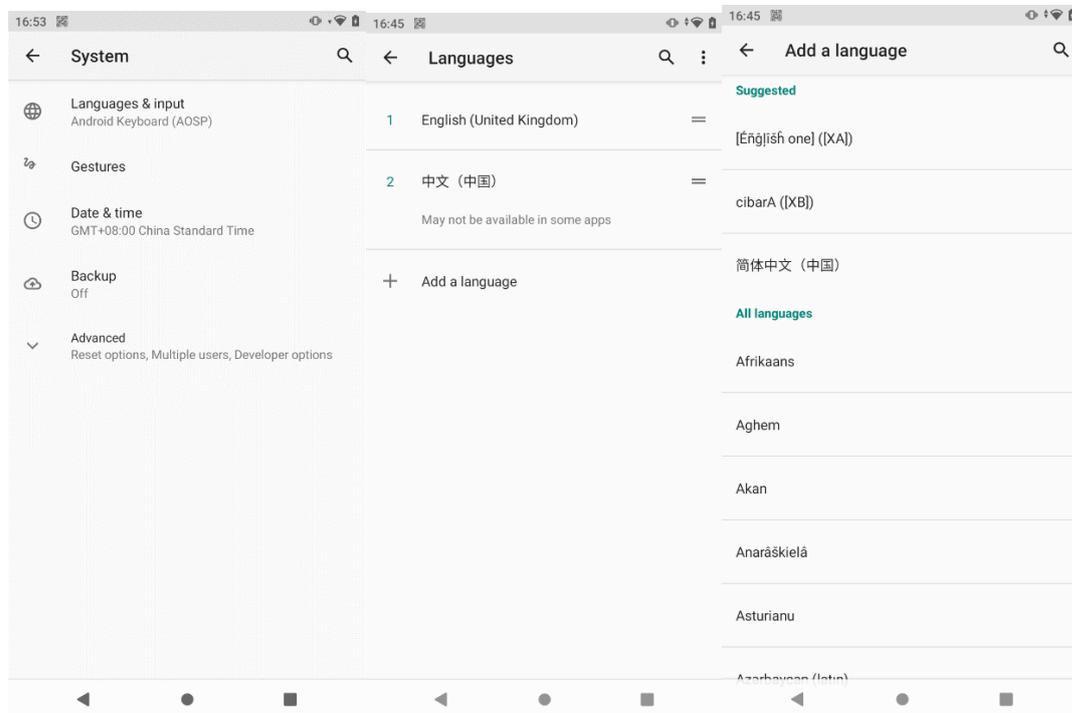
## 2.3 USB connection



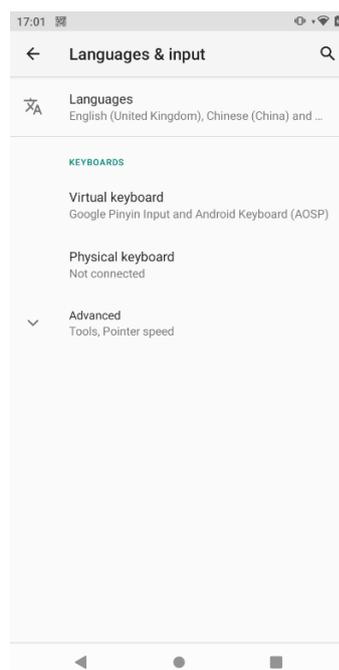
## 2.4 Language & input

System – language&input:

Freely set language: search the language that you want, and click to add into option, and push to the first line, the system language will change accordingly

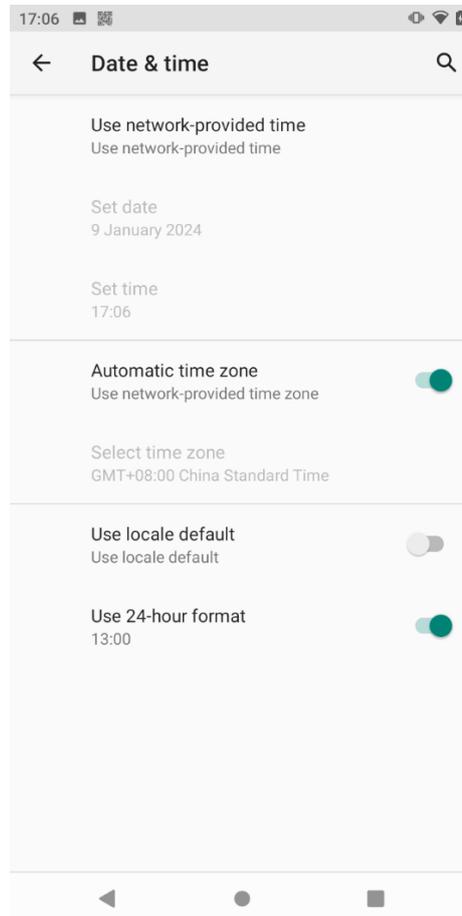


Select your favorite keyboard and input method, and set text-to-language output and pointer speed. If other input methods are installed, they will be displayed on this interface.



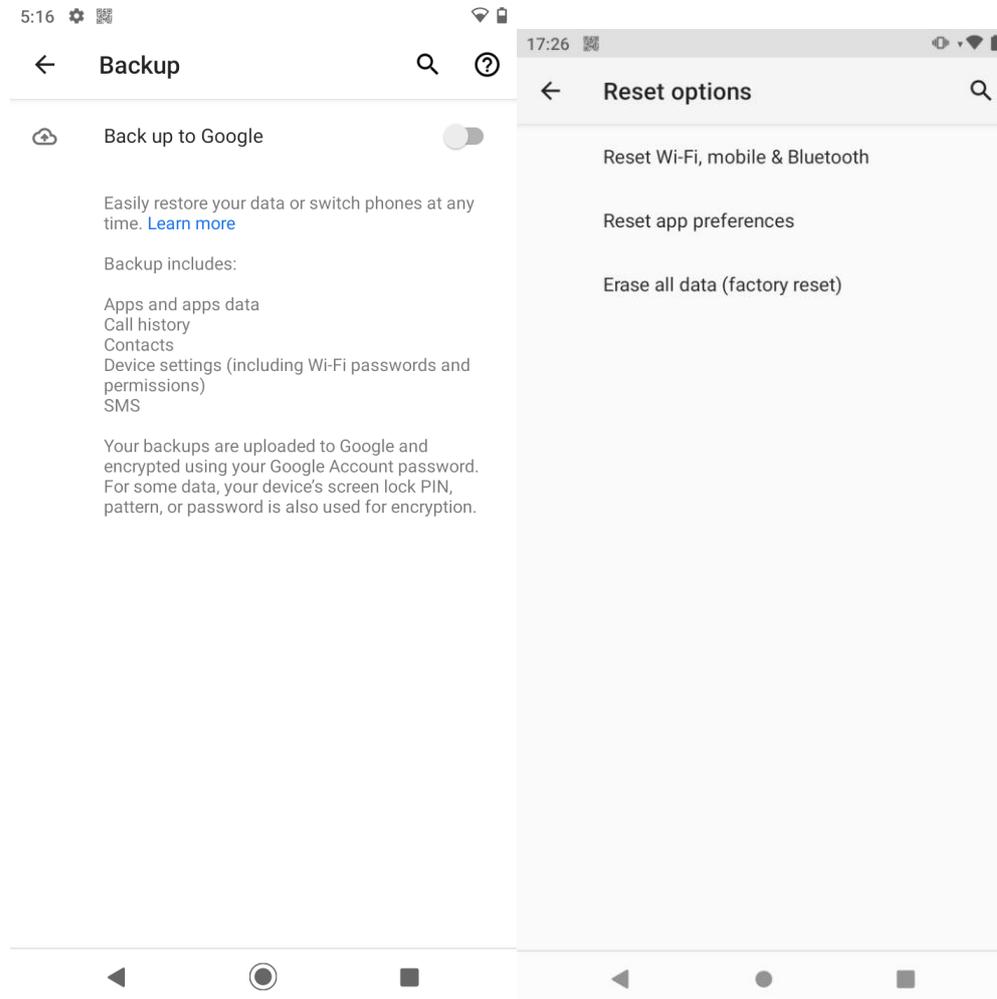
## 2.5 Date and time

You can use network-provided time, or manually set the date and time, select the time zone, and you can also choose the display format of the time



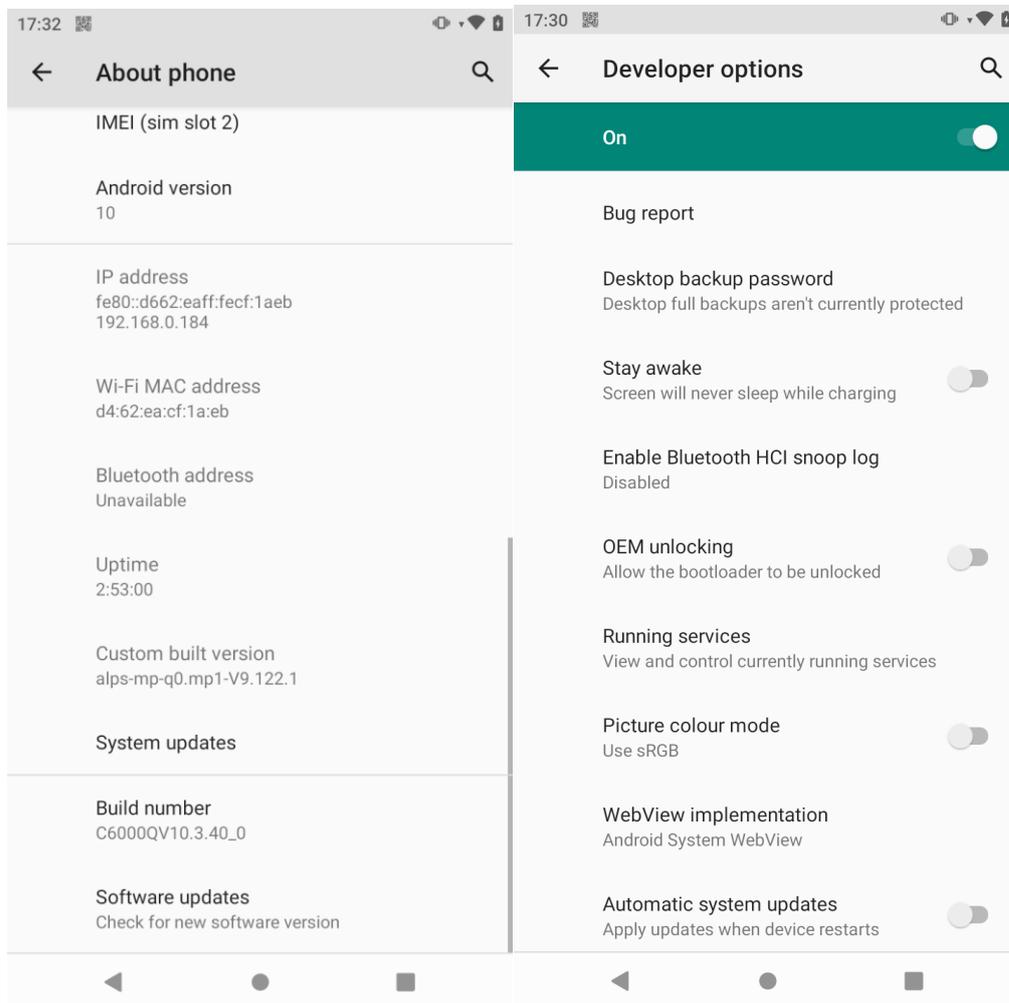
## 2.6 Backup and reset options

### Back up or restore data, restore factory settings



## 2.7 Developer options

Settings-->About phone-->Build number, click the version number multiple times to open the developer options(system-developer options), and then you can get some other information on the device.

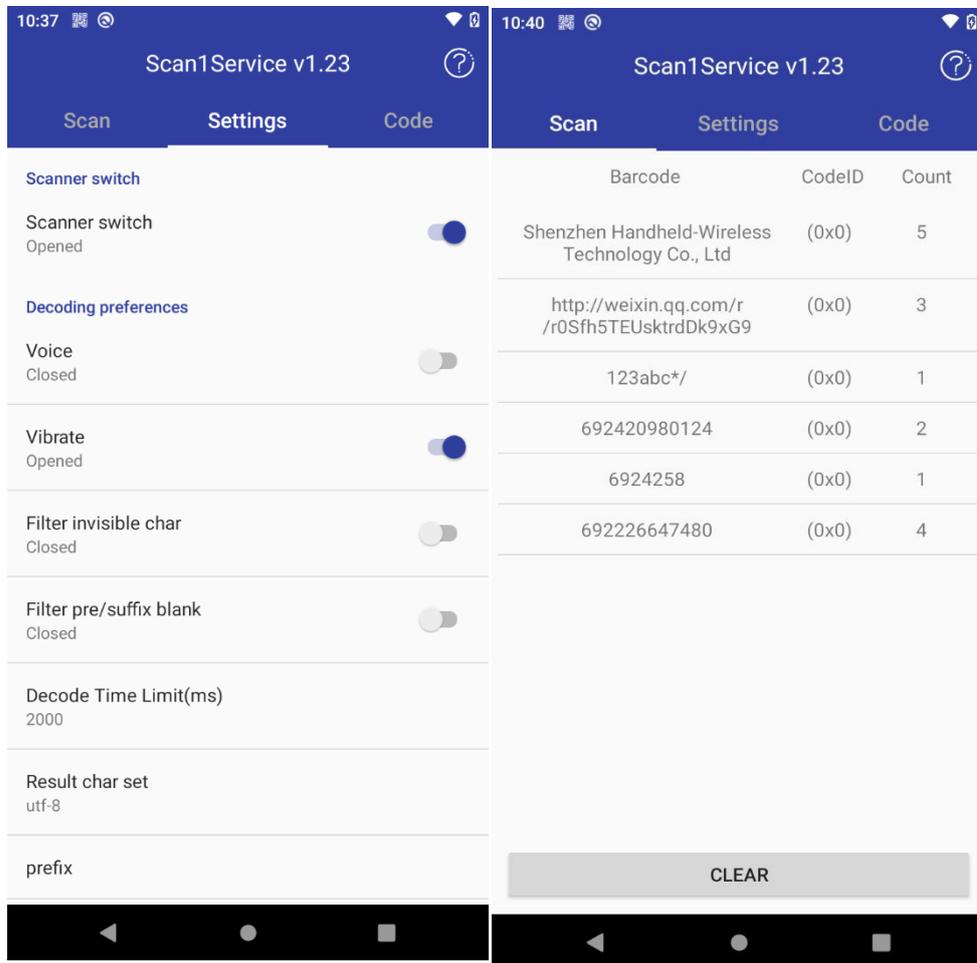


### 3. Barcode scanner



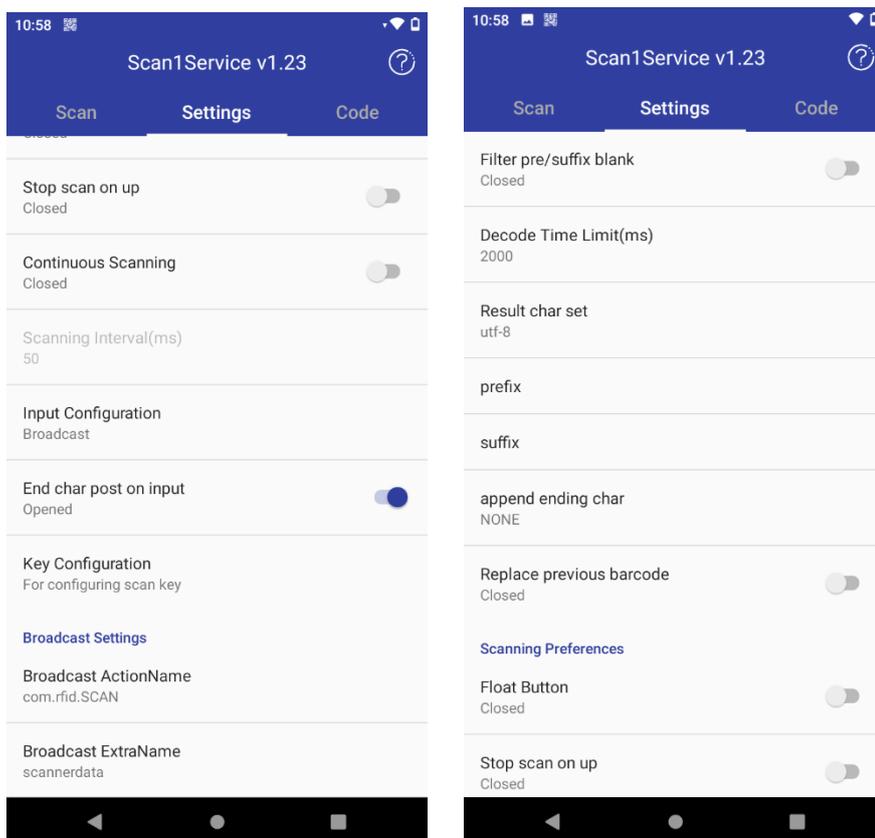
3.1 Find the barcode icon , open the app to enter the main interface, turn on the scan switch button, and press the scan button to scan normally.

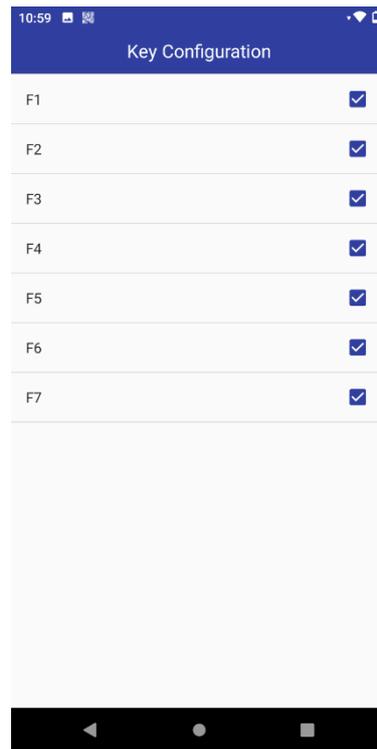
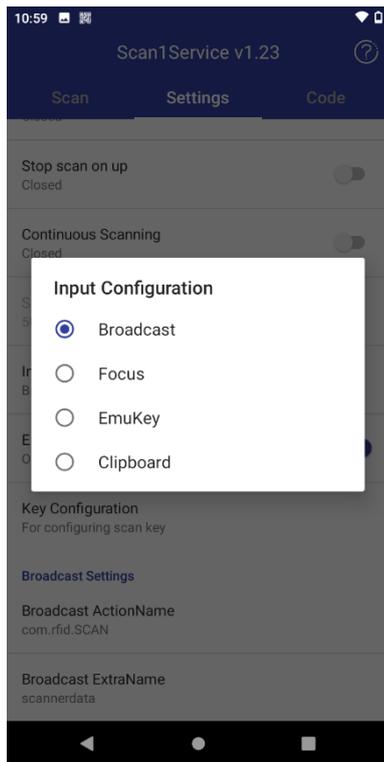
And then turn to Turn to [Scan] page to see the scanned barcode and the number of scans.



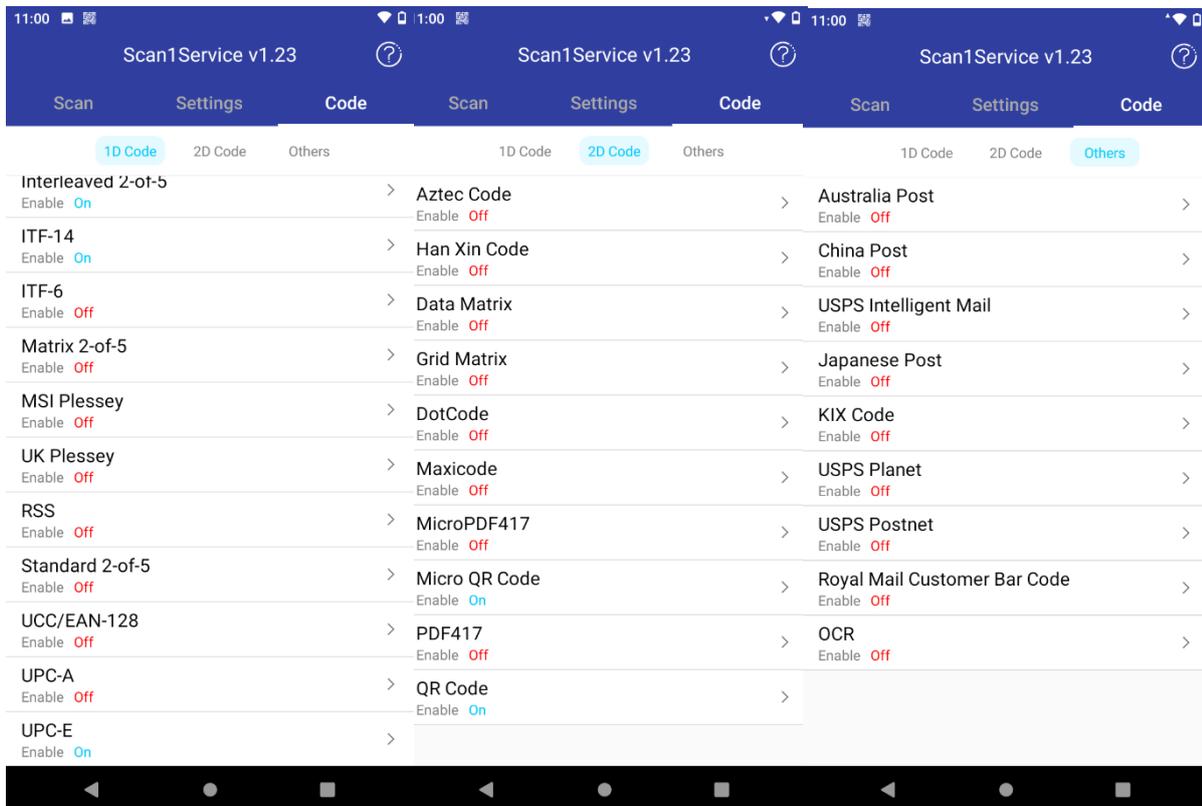
3.2. Turn to [Settings] page to set the basic scanning details,

- (1) Voice: When turned on, there will be a sound prompt when scanning;
- (2) Vibrate: When turned on, scanning will give a vibration prompt;
- (3) Filter pre/suffix blank: You can filter spaces before and after the barcode by yourself;
- (4) Prefix: You can add your own barcode output prefix (which can be numbers, letters, special characters, etc.);
- (5) Suffix: You can add your own barcode output suffix (which can be numbers, letters, special characters, etc.);
- (6) append ending char: You can choose the barcode end output symbol yourself, including Enter, Tab, Space, None;
- (7) Continuous scanning: When turned on, the scanning will automatically continue scanning;
- (8) Input configuration: You can choose to send in Broadcast, Focus, Emukey, or Clipboard mode (Emukey”Emulate key” requires selecting an input method that supports hard keyboard),
- (9) Key settings: You can set the scanning buttons by yourself, including F1, F2, F3, F4, F5, F6, F7, (the handheld trigger can be used for scan controlling when the F4 is chosen )





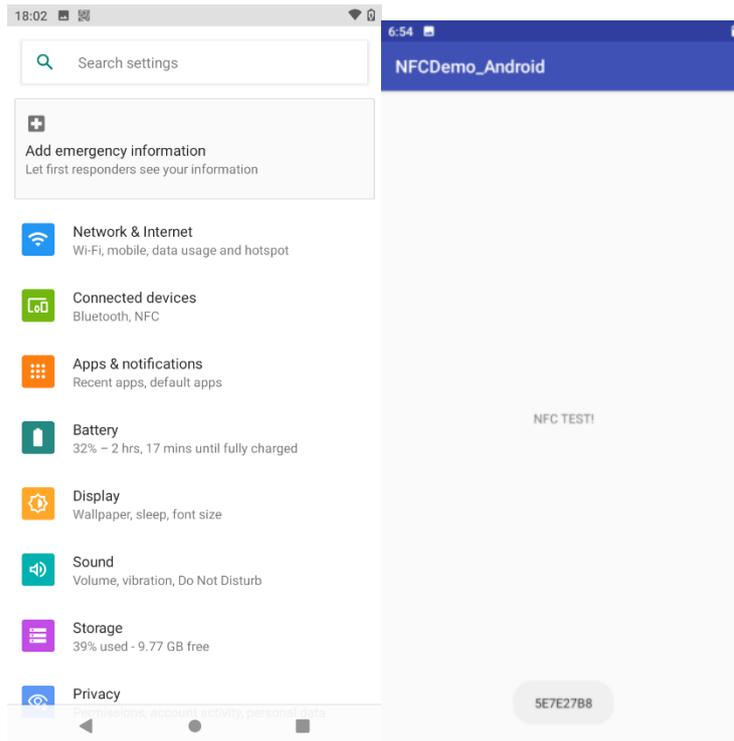
### 3.3 Trun to [Code] to choose the required barcode type and trun on;



**Tips:** The scanned page may be slightly different due to different scanning engines. If you have any questions in operation, please contact us directly.

## 4. NFC

Turn on the nfc function in the settings, find this icon  in the desk and click to enter the NFC application. and then put the nfc card close to the nfc area . there will be a sound or text prompt.



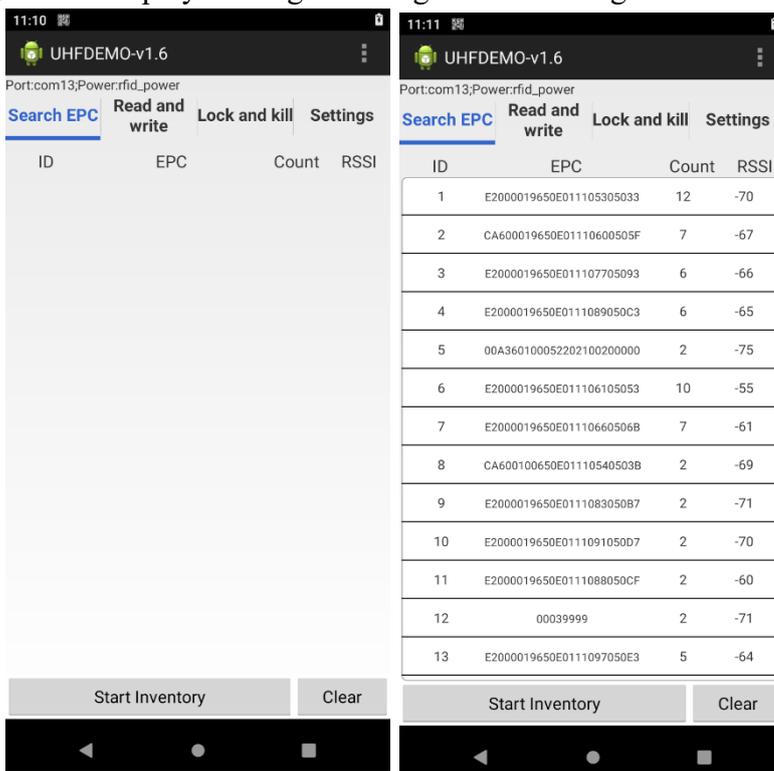
## 5. UHF

5.1 Find this icon  on the startup desktop and click the icon to enter the UHF application.

### 5.2 About EPC Inventory

Click to start inventory, and the device will search for UHF tag or cards according to the set working method.

- (1) Start inventory: Click Start Inventory to start reading label information. The default is to obtain the EPC code.
- (2) Clear: Click to clear the current card search data.
- (3) Count: Displays the number of times the current tag has been searched.
- (4) RSSI: Displays the signal strength when the tag is found.



### 5.3 About Read and write

Select a found label, select the read-write label area, enter the corresponding read-write label conditions, and click Read-Write Label to complete the read-write label operation.

- (1), EPC: tags can be selected for read and write operations.
- (2) Membank (Data area) : Select the tag area, including Reserve area, User area, EPC

area, and TID area.

(3) Access password: Used in conjunction with reading tags/writing tags, the password used when reading or writing to the tag or card.

(4) Starting address: Used in conjunction with reading tags/writing tags, select the address bits to read or write.

(5) Length: Used in conjunction with reading tags/writing tags, select the length to read or write.

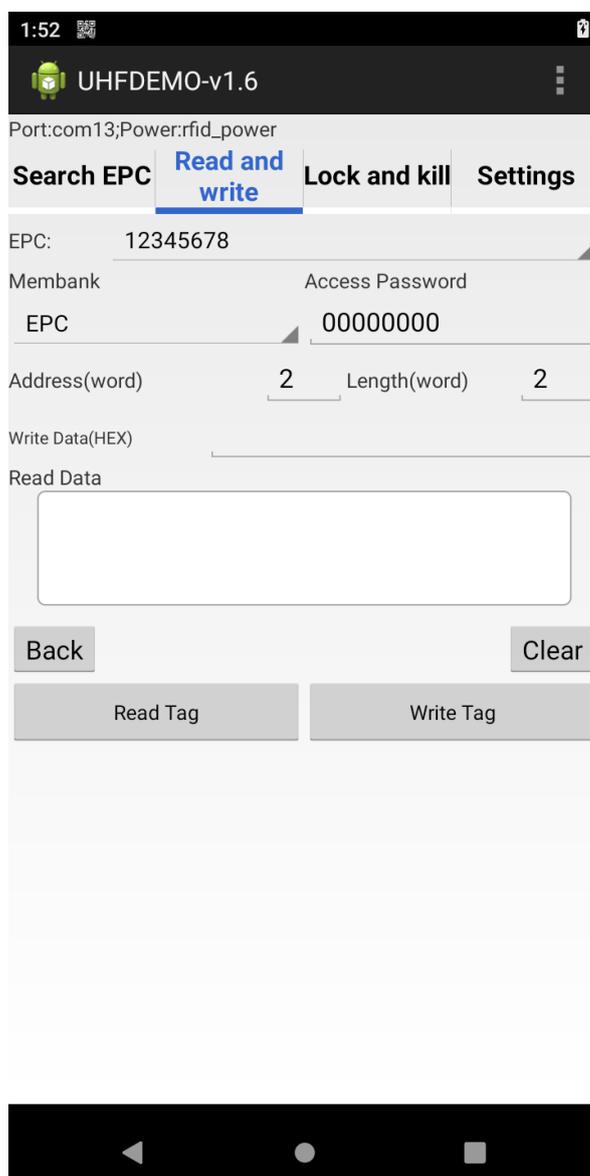
(6) Write data: Used in conjunction with writing tags to display the content of the currently written tag.

(7) Read data: Used in conjunction with reading tags, it displays the currently read tag data.

(8) Read tag: Read the data at the set position, and the read data will be displayed in the read data area

(9) Write tag: Write the data at the set location. Please enter the data to be written in the write data area

(10) Clear: Clear the content in the read data area



## 5.4 Lock and kill

After the tag is locked, the default password (8 zeros) cannot be used to write the tag. You can only use the self-set password to write the tag.

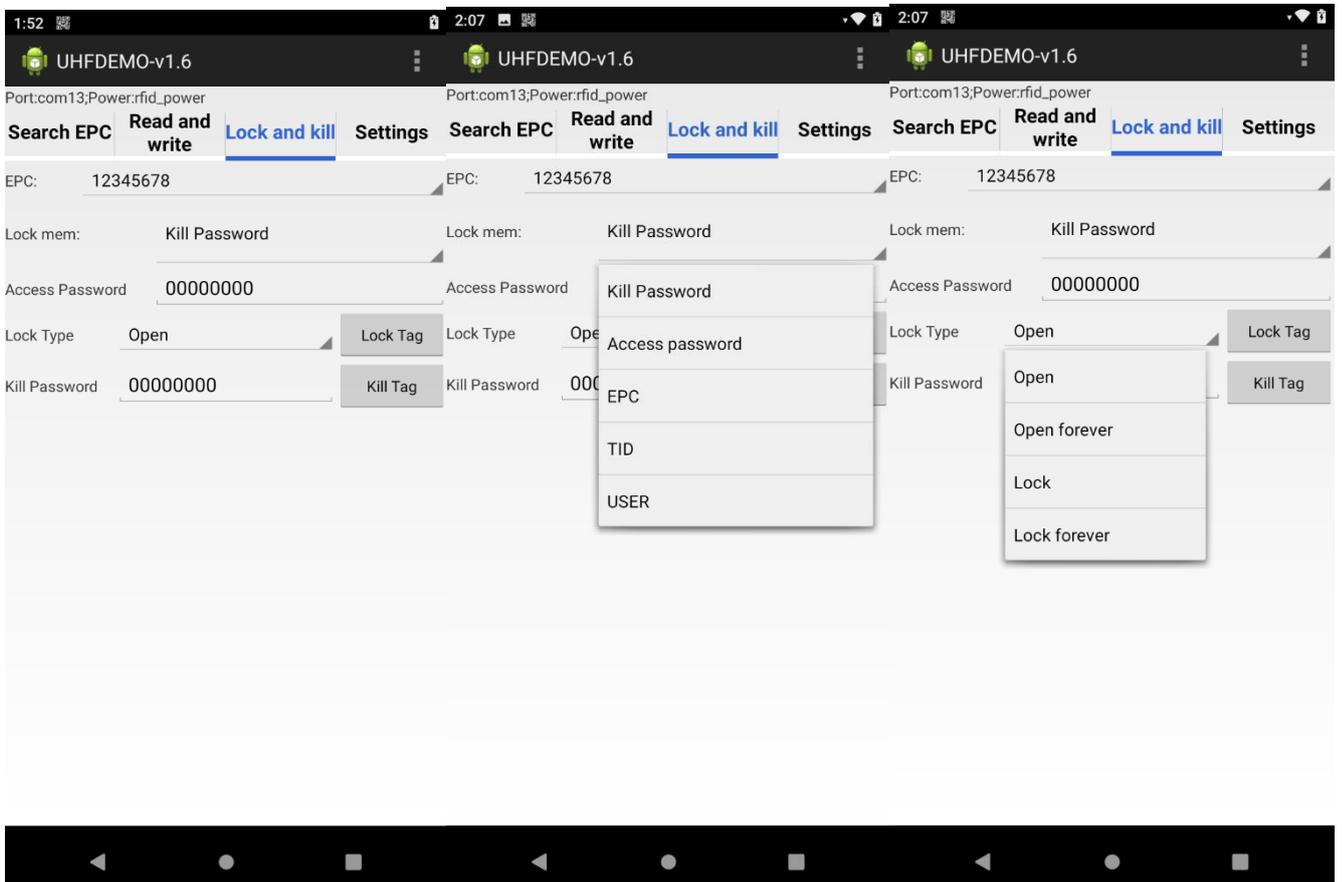
(1) EPC: Read tags can be selected for locking or destroying.

(1) Lock mem: Lock a certain area of the label, optional Kill Password area, Access Password area, EPC area, TID area, USER area.

(2) Access password: Lock tag password, the default password is 8 0s, the first 4 bytes of the password area are the kill password, and the last 4 bytes are the access password.

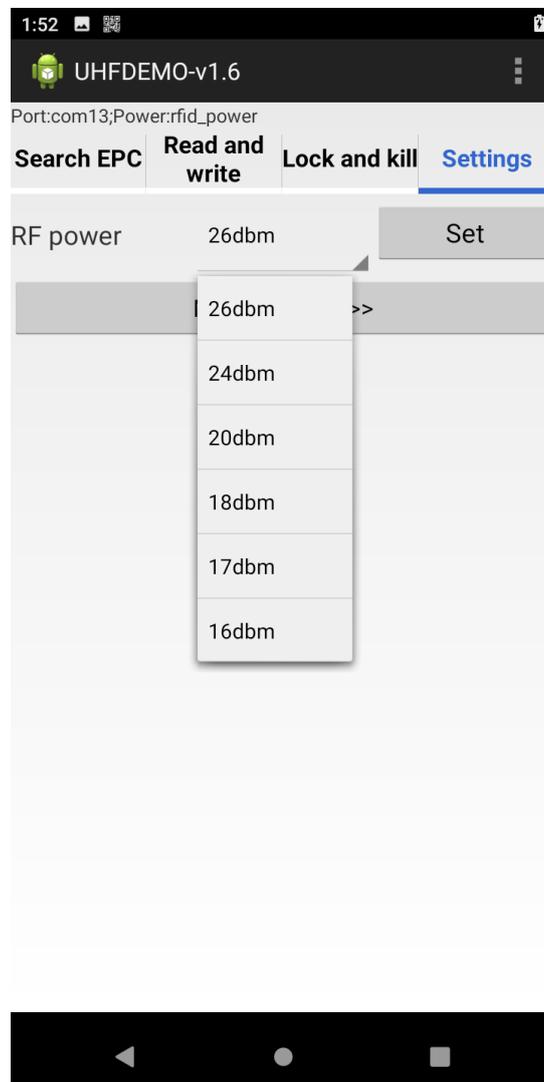
(3) Lock type: Lock the tag, and you can choose open, open forever, lock, or lock forever (cannot be unlocked after the operation).

(4) Kill password: (the first 4 bytes of the password area) first change the kill password of the password area to non-0, and then operate with the modified password. (The kill password must be non-zero to take effect).



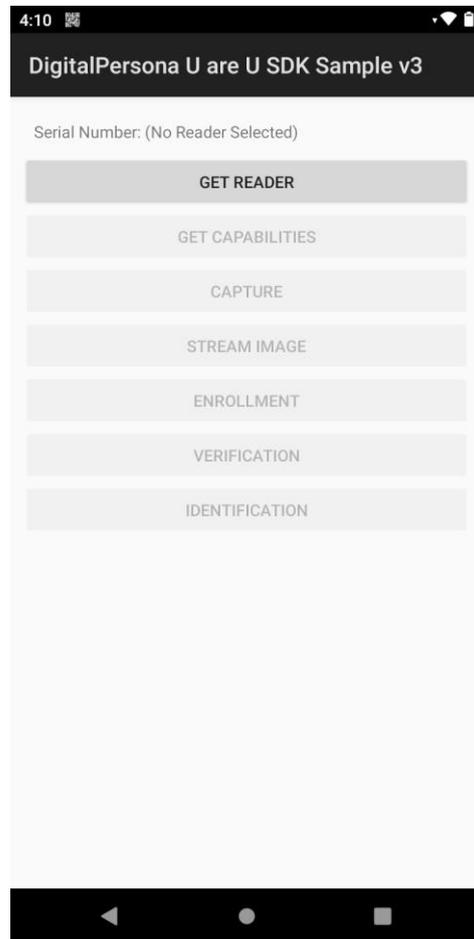
## 5.5 About settings

The output power can be set freely: the current maximum RF power of the antenna is 26dbm



# 6. Fingerprint

6.1 Find the fingerprint demo on the startup desktop and click the icon to enter the fingerprint application.



## 6.2 Capture

To demonstrate capturing a fingerprint image, click the Capture button. This puts the reader into capture mode and an image of the captured fingerprint is displayed in the window.

To exit capture mode, click on Back.

## 6.3 Stream Image

To demonstrate streaming a fingerprint image, click the Stream Image button. This puts the reader into streaming mode, where the window becomes like a live window on the reader as it streams the results. Placing a finger on the reader displays the streamed fingerprint, and removing the finger shows a blank screen.

To exit streaming mode, click on Back.

## 6.4 Enrollment

Click on Enrollment to begin enrolling a test subject.

You will see a series of prompts to scan fingers for enrollment, as shown below. After the first finger is successfully scanned, you will be prompted to scan additional fingers until a sufficient number of high quality scans are complete. The number of fingers requested will vary depending on the image scans.

The enrollment function will continue to request scans until an acceptable enrollment record has been created. When enrollment is complete, click Back to return to the main screen.

### 6.5 Verification

To test the verification feature, click on the Verification button. Verification is a 1-to-1 comparison where the application matches against a specified fingerprint. When you click the Verification button, you will be prompted to place any finger on the reader, which will create a fingerprint template to match against. Next you will be prompted to place either the same finger or a different finger on the reader.

If you place the same finger on the reader, you will get a match. Using a different finger will give a no match result. To exit verification mode, click on the Back button.

### 6.6 Identification

To test the Identification feature, click the Identification button. Identification is a 1-to-many comparison where the application searches through a collection of enrolled fingers to find a match. The sample application prompts you to place various fingers on the reader (your thumb, index, middle and index fingers) so that it can create an FMD.

After an FMD is created, you will be prompted to place any finger on the reader to identify against the FMD that was just created. If you place a previously enrolled finger on the reader, a match will be indicated and the above enrollment sequence will begin again. To exit identification mode, click on the Back button.

Remark: Due to differences in optional modules, the actual display pages of some functional modules may deviate from the above. If you have any operational questions or secondary development needs, please directly consult our sales staff or ask for after-sales.