




# MUNBYN IPDA083 Mobile Data Terminal User Manual

[Home](#) » [MUNBYN](#) » MUNBYN IPDA083 Mobile Data Terminal User Manual 

## Contents

- [1 MUNBYN IPDA083 Mobile Data Terminal](#)
- [2 Chapter 1 Product intro](#)
- [3 Chapter 2 Installation instructions](#)
- [4 Chapter 3 Keyboard emulator](#)
- [5 Chapter 4 Barcode reader-writer](#)
- [6 Chapter 5 RFID reader](#)
- [7 Chapter 6 Other functions](#)
- [8 Documents / Resources](#)
- [9 Related Posts](#)

# MUNBYN

**MUNBYN IPDA083 Mobile Data Terminal**



## Chapter 1 Product intro

### 1.1 Intro

IPDA083 is a new generation of rugged hand held computer with robust performance. Built with Android™ 9 OS and Qualcomm OctaCore processor, it supports numeric/QWERTY keypad, abundant accessories like trigger handle, and features powerful removable battery. This mobile computer can fulfill applications in logistics, warehousing, retail, etc.

The user manual download link: <https://munbyn.biz/083um>

### 1.2 Precaution before using battery

- Do not leave battery unused for long time, no matter it is in device or inventory. If battery has been used for 6 months already, it should be checked for charging function or it should be disposed correctly.
- The lifespan of Li-ion battery is around 2 to 3 years, it can be circularly charged for 300 to 500 times. (One full battery charge period means completely charged and completely discharged.)
- When Li-ion battery is not in used, it will continue to discharge slowly. Therefore, battery charging status should be checked frequently and take reference of the related battery charging information on the manuals.
- Observe and record the information of a new unused and nonfully charged battery. On the basis of operating time of new battery and compare with a battery that has been used for long time. According to product configuration and application program, the operating time of battery would be different.
- Check battery charging status at regular intervals.
- When battery operating time drops below about 80%, charging time will be increased remarkably.
- If a battery is stored or otherwise unused for an extended period, be sure to follow the storage instructions in this document. If you do not follow the instructions, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.

- Store the battery at temperatures between 5 °C and 20 °C (41 °F and 68 °F).

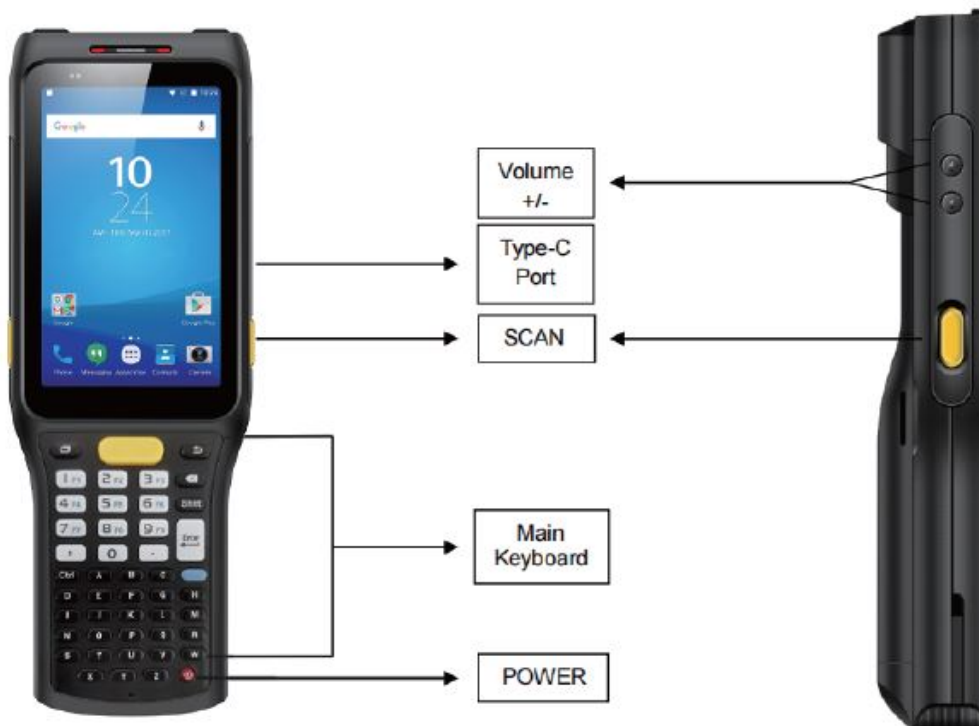
### 1.3 Notes

- Using the incorrect type of battery has the danger of explosion. Please dispose of the used battery according to instructions.
- Due to the used enclosure material, the product shall only be connected to a USB Interface of version 2.0 or higher. The connection to the so-called power USB is prohibited.
- The adapter shall be installed near the equipment and shall be easily accessible.
- The suitable temperature for the product and accessories is 0-10°C to 50°C.

## Chapter 2 Installation instructions

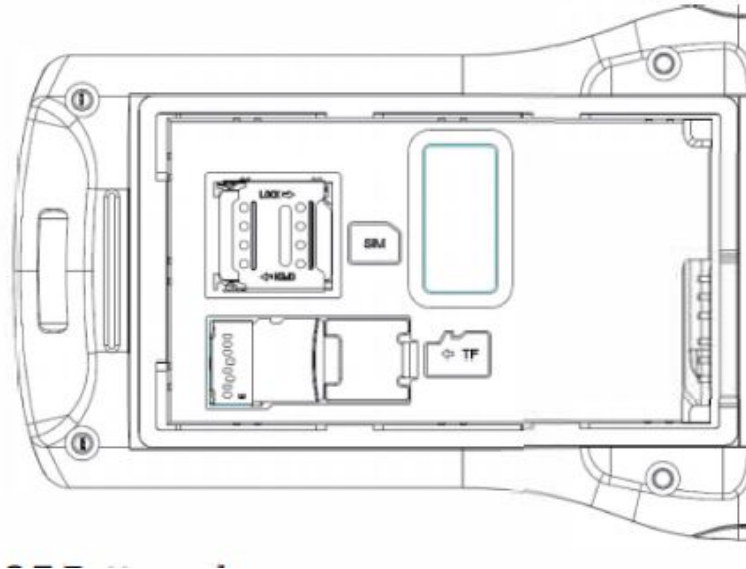
### 2.1 Appearance

IPDA083 back and front appearances are showing as follows:



### 2.2 Install Micro SD and SIM cards

The cards sockets are showing as follows:



### 2.3 Battery charge

By using USB Type-C contact, the original adapter should be used for charging the device. Make sure not to use other adapters to charge the device.

## Chapter 3 Keyboard emulator

Keyboard emulator detailed operation manual download link: <https://munbyn.biz/083kem>

### 3.1 Function setup and keycode

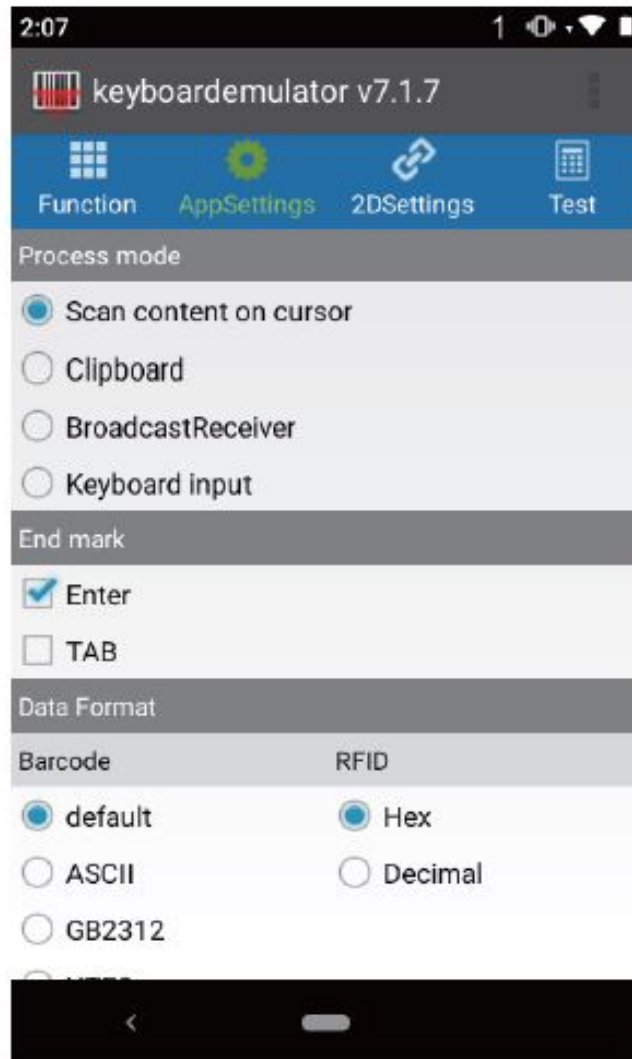
In the function list, user can select supported function that can be realized by keyboard emulator. For example, if the device has equipped with 2D barcode scanning module, option “Barcode2D” should be selected for scanning 70/2D barcode.

Click “Keycode” to acquire focus point, press button “SCAN”, then related key code will be entered on the line automatically.



After the function has been bound with button, related function can be activated by pressing button.

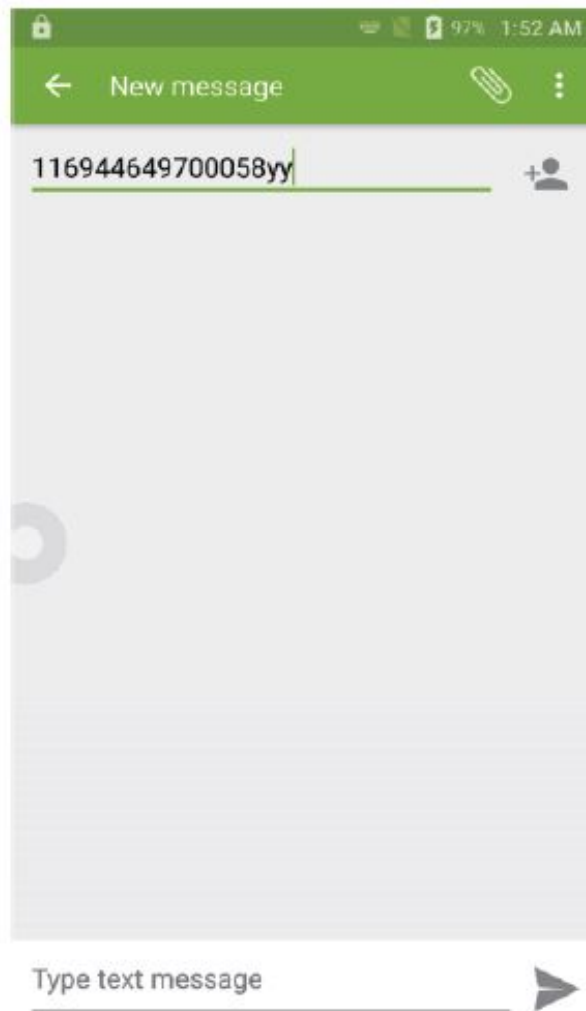
### 3.2 Process mode



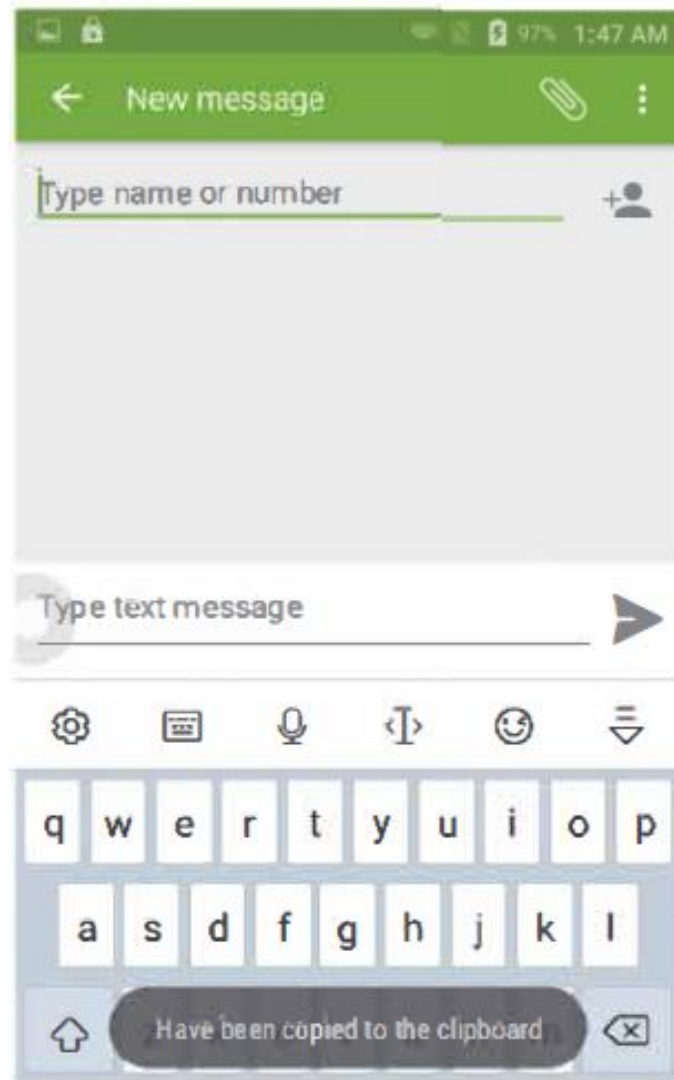
Process mode means how the data will be processed after barcode data has been read out.

**Scan content on cursor:** enter read-out data in cursor position.

**Keyboard Input:** enter read-out data in cursor position, it is same as input data on analog keyboard.



**Clipboard:** copy the read-out data on clipboard, paste data on the place that user needs.



**Broadcast Receiver:** it is the method that using the broadcast mechanism of Android to transfer read-out barcode data to customer's program. In this way, the codes of API in SOK do not need to be written into customer software codes, read-out data can be acquired by registering broadcast and customer can operate read-out data according to logic requirement.

After select "Broadcast Receiver", "Broadcast name" and "Key" need to be adjusted.

Broadcast name: it is the broadcast name of acquired data in customer software.

**Key:** acquire the corresponding key designation of the broadcast.

### 3.3 Additional information

The additional information means add extra data at front or rear on scanned barcode data.

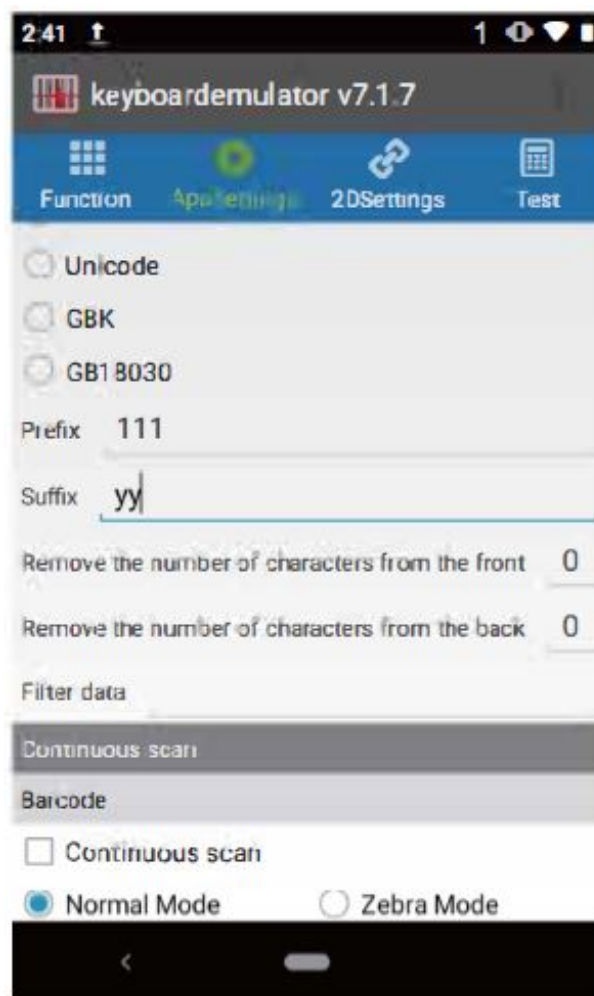
"Prefix": add data at the front of read-out data.

"Suffix": add data at the rear of read-out data.

For example, if the original read-out data is

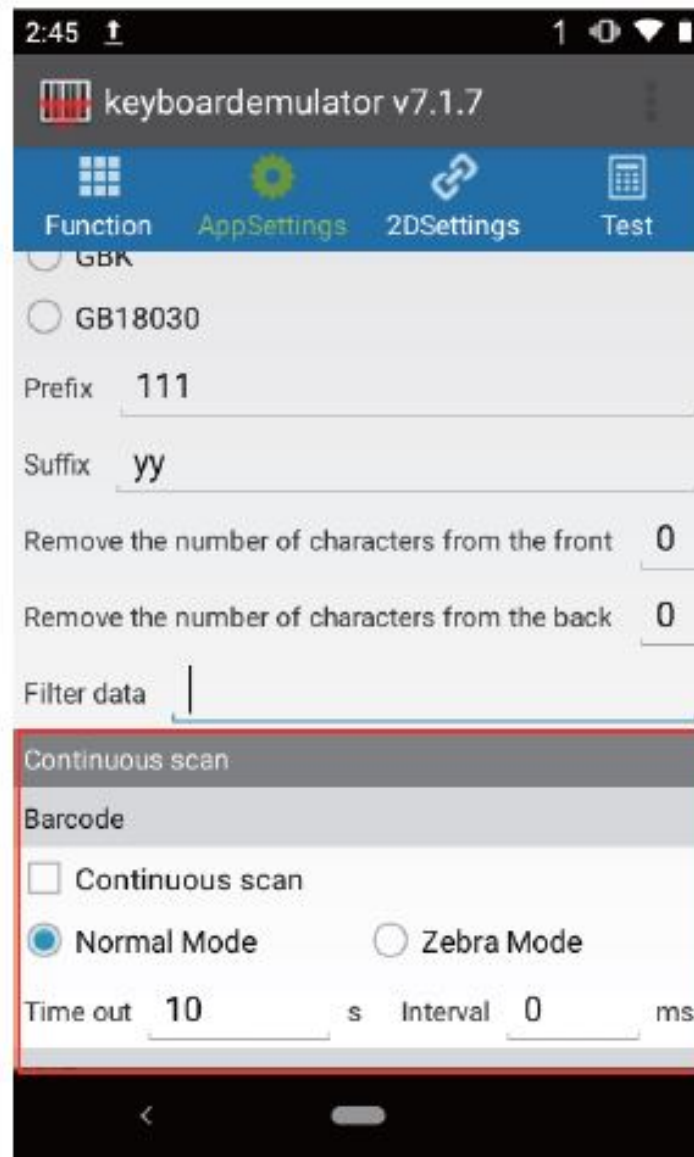
"12345678", prefix will be modified as "11T" and suffix will be modified as "yy", the final data will display "11112345678yy".





### 3.4 Continuous scan setup

Select continuous scan, user can adjust the interval and time out.

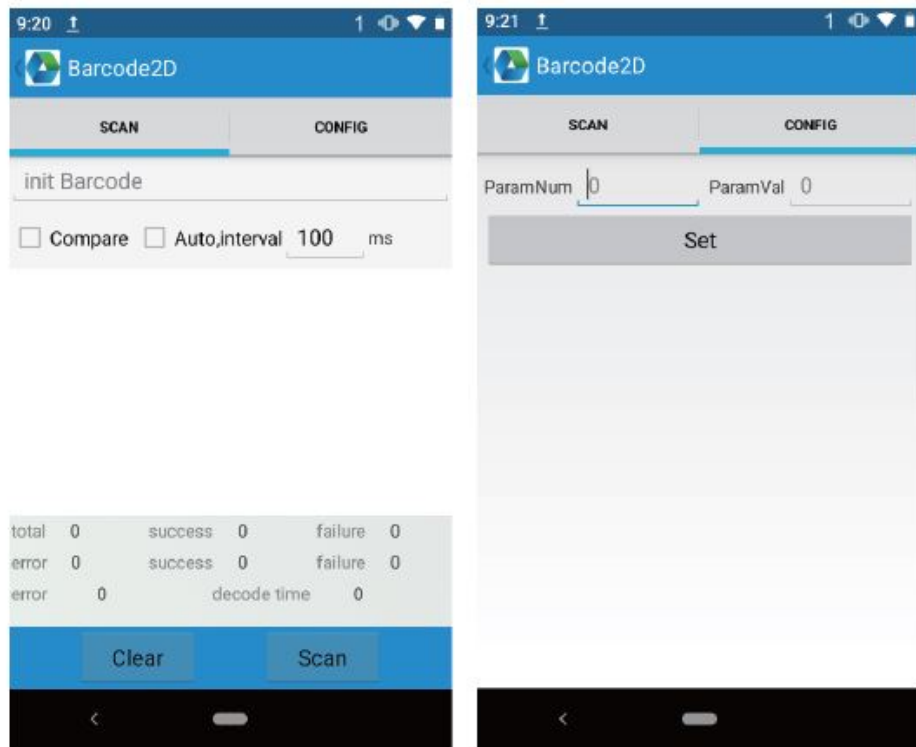


### 35 Enable scanner

After all previous functions have been adjusted, click “Enable scanner” to switch on scanner, now user can use all the functions of keyboard emulator.

## Chapter 4 Barcode reader-writer

1. In App Center, to open 2D barcode scan test.
2. Press “SCAN” button or click scan key to start scanning, the parameter “Auto interval” can be adjusted.



Caution: Please scan codes in the correct way otherwise the scanning will be failed. **2Dcode:**



Correct

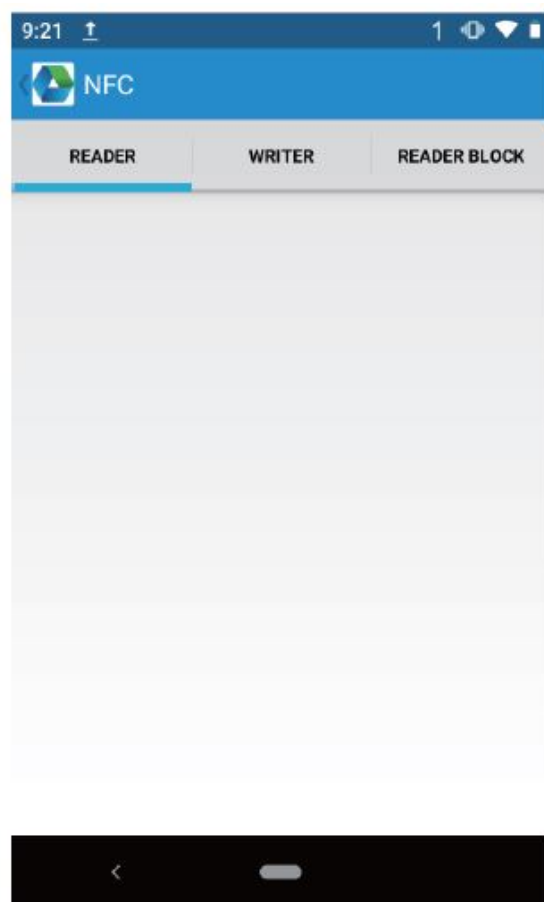
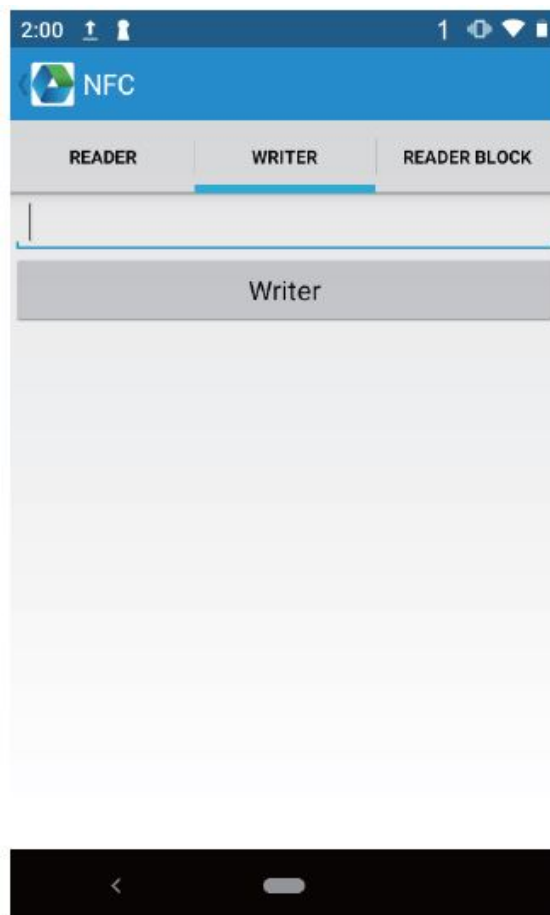


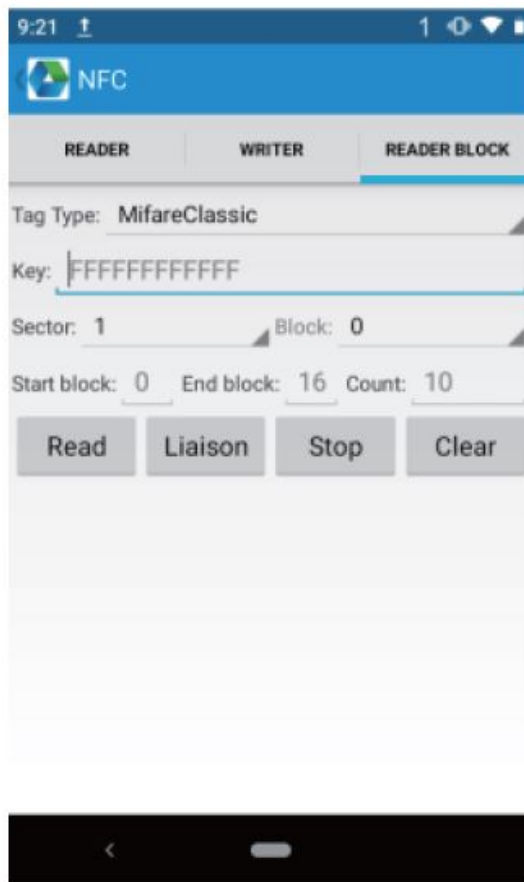
Incorrect

## Chapter 5 RFID reader

### 5.1 NFC

Click App Center, open "NFC" to read and write tag information.





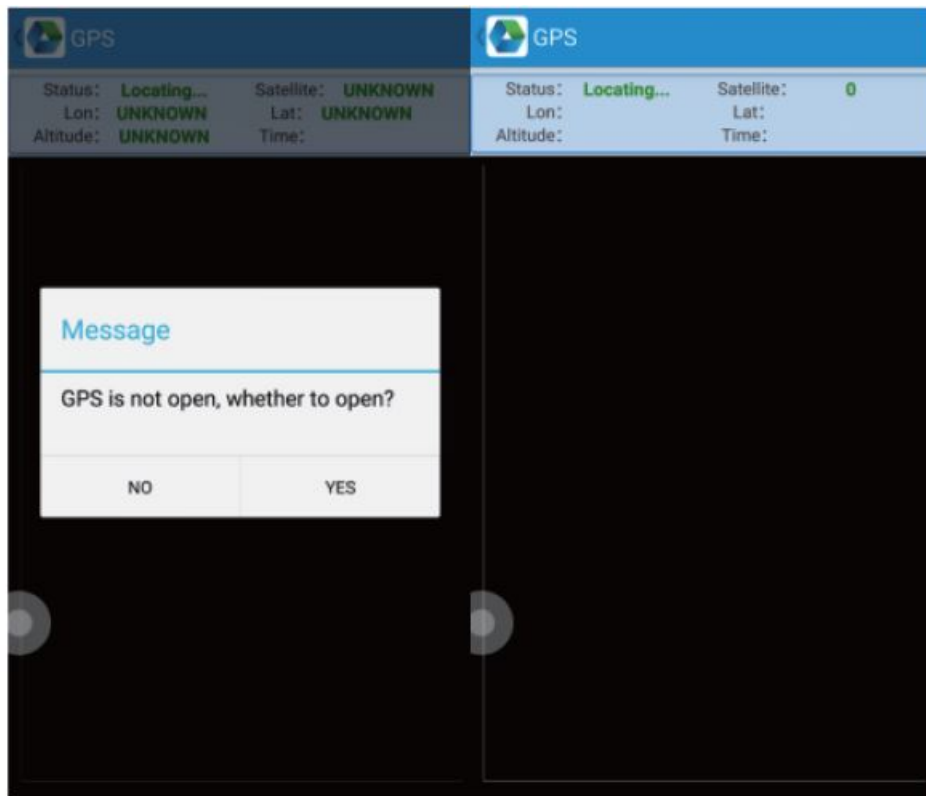
## Chapter 6 Other functions

### 6.1 Bluetooth

1. Open "BT Printer" in App Center.
2. In the list of detected devices, click the device that you want to pair.
3. Select printer and click "Print" to start printing contents.

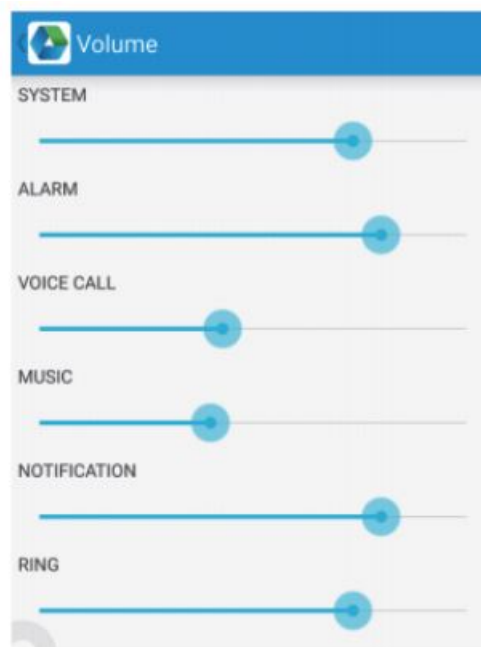
### 6.2GPS

1. Click "GPS" in App Center to open GPS test.
2. Setup GPS parameters to access GPS information.



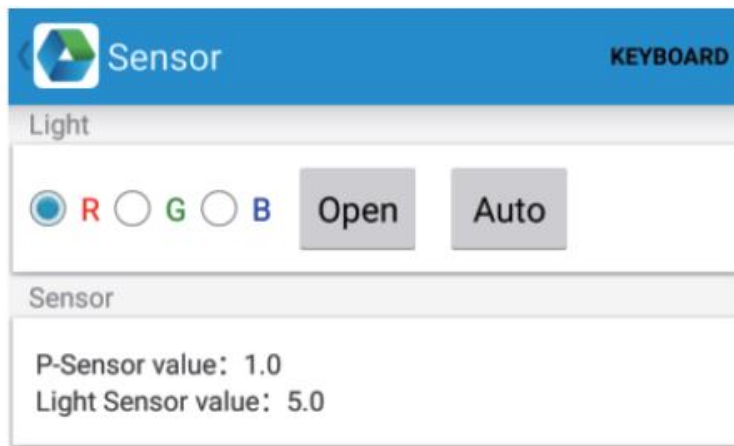
### 6.3 Volume setup

1. Click 'Volume' in App Center.
2. Setup volume by requirements.



### 6.4 Sensor

1. Click "Sensor" in App Center.
2. Setup the sensor by requirements.



## 6.5 Keyboard

1. Click "Keyboard" in App Center.
2. Setup and test the main value of the device.



## 6.6Network

1. Click "Network" in App Center.
2. Test WIFI signal by requirements.



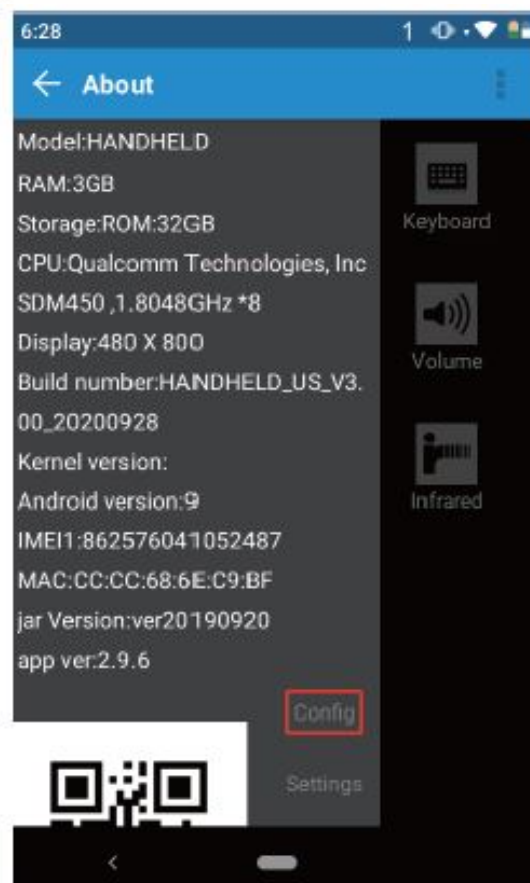
### 6.7 Analog call

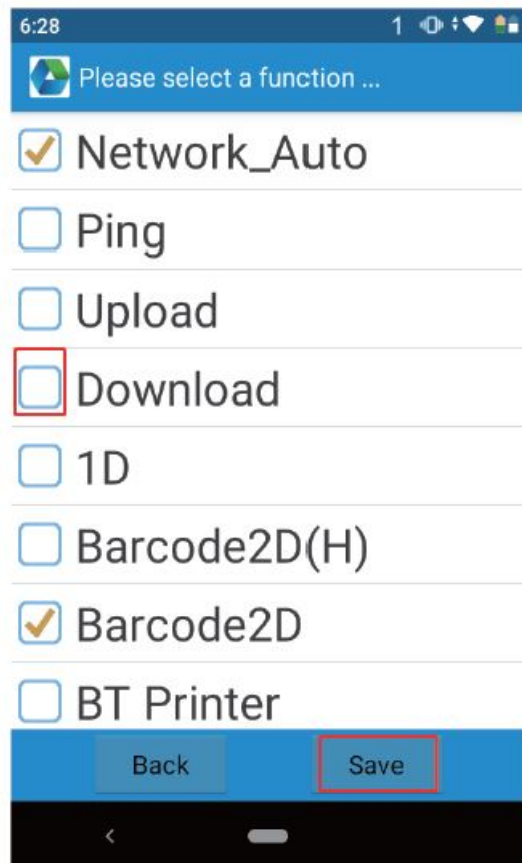
1. Click "Analog call" in App Center.
2. Test by requirements.



Other test settings can be obtained through the following steps:







## Documents / Resources

	<p><a href="#">MUNBYN IPDA083 Mobile Data Terminal</a> [pdf] User Manual IPDA083, Mobile Data Terminal, IPDA083 Mobile Data Terminal, Data Terminal</p>
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