

MBA5-P33 V8

User guide



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Background

Description	Date	Version	Author	Auditor
First parution	21/10//2019	V1.0	CLO	

1 Product introduction

1.1 Introduction

The MBA5-P33 V8 is a key product of the latest generation of rugged mobile readers, the MBA5 V8 range. This device is equipped with the Android 8.1 operating system.

For even more performance, the MBA5-P23 V8 is built with an octa-core 2.5GHz processor.

The MBA5-P33 V8 will suit users looking for a compact and compact lightweight UHF RFID rugged mobile terminal with an integrated RFID antenna for design. The 27dbm UHF reader is suitable for material identification and traceability activities in industrial environments. It is also equipped with SE4710 2D barcode scanner.

Besides, 5000 mAH battery provides good autonomy

With a 5" FHD touchscreen that offers reading comfort, you can also use the smartphone with wet hands or gloves.

It also has Wireless communication: NFC, 4G/LTE, Wifi, Bluetooth, GPS.

With IP65 protection grade, it is protected against dust and water.

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 use, 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 non-fully 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 Charger

The charger type is GME10D-050200FGu, output voltage/current is 5V-DC/2A.

1.4 Notes

Note 1:

Using the incorrect type battery can lead to danger of explosion. Please dispose the used battery according to instructions.

Note 2:

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 so called power USB is prohibited.

Note 3:

The adapter shall be installed near the equipment and shall be easily accessible.

Note 4:

The suitable temperature for the product and accessories is 010°C to 50°C.

Note 5:

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

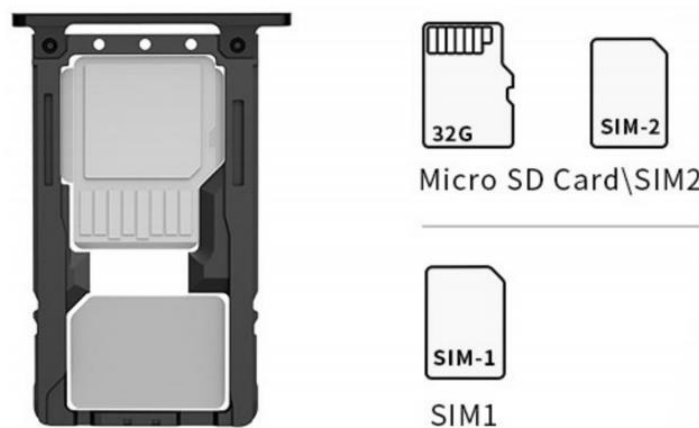
2 Installation instructions

2.1 Appearance



2.2 Install Micro SD and SIM cards

The cards sockets are showing as follows:



2.3 Battery Charging

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

2.4 Buttons and Function Area






Buttons instructions



Side button	1	Power	Located on left side, press to ON/OFF device.
	2	Function key	Located on left side, its function can be defined by software.
	3	SCAN button	Scanning button located on both sides. There are two scanning buttons.
Main button	4	Menu	Display main menu.
	5	Home	Touch it back to main screen.
	6	Enter	Press to confirm current selection
	7	Return	Return to last step to setup.

3 Call Function





3.1 Calling numbers

1. Click icon .
2. Click number key to input phone numbers.
3. Click icon  to call.
4. Click icon  to end call.

3.2 Contacts

1. Click contacts to open contacts list.
2. Click icon  to add new contacts.
3. Click icon  to import/export contacts.

3.3 SMS and MMS

1. Click  to open message window.
2. Click  to input message receiver and contents.
3. Click  to send out messages.
4. Click  to add attachment pictures and videos.

4 Other functions

Swipe down the screen to get access to the following functions:

- Wifi activation
- Bluetooth activation
- Don't disturb
- Flashlight
- Screenshot

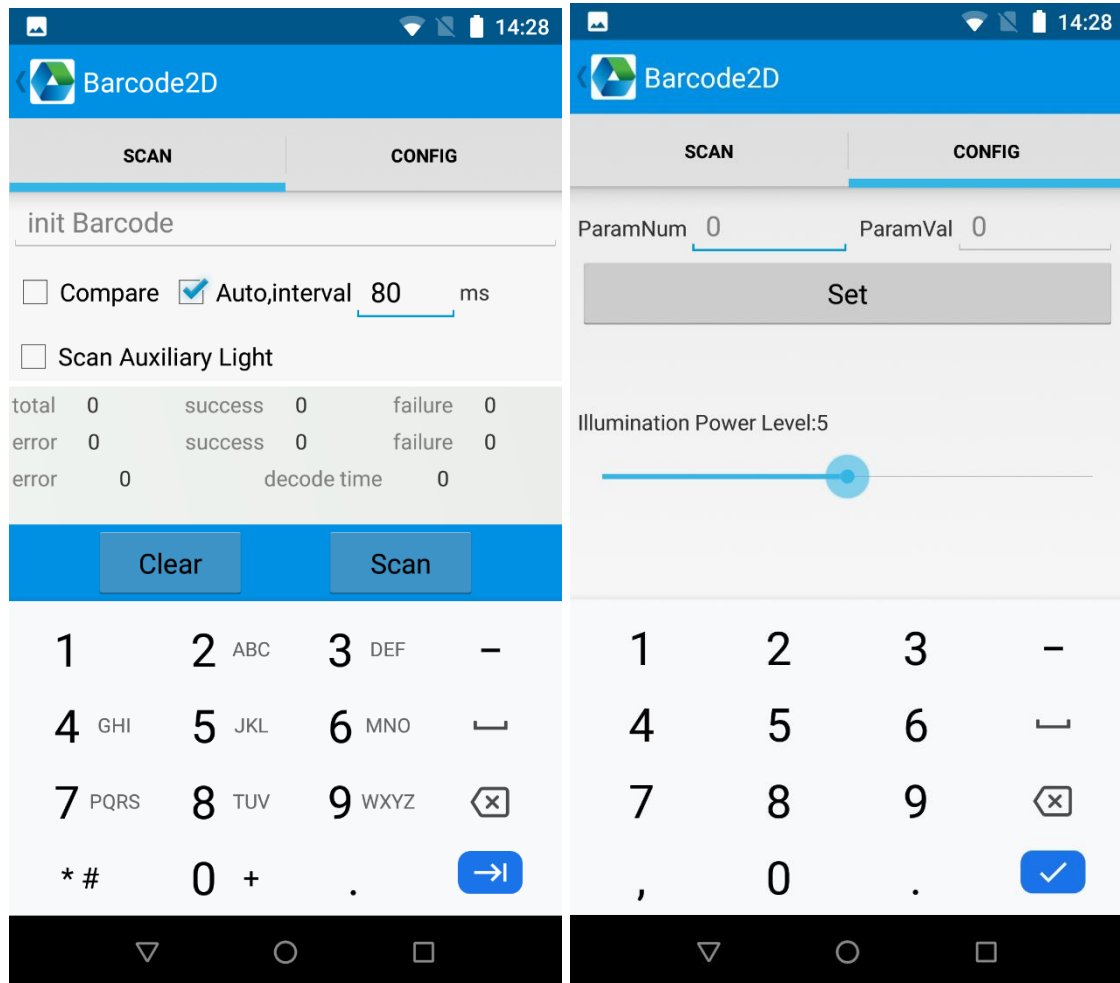
5 Barcode reader-writer

In App Center, open 2D barcode scan test.

Press “SCAN” button or click Scan key to start scanning.

The parameter “Auto interval” can be adjusted.

In the tab CONFIG, parameters numbers and values can be adjusted. Moreover, illumination power level can be adjusted from 0 to 10.



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

1D barcode:



2D barcode:



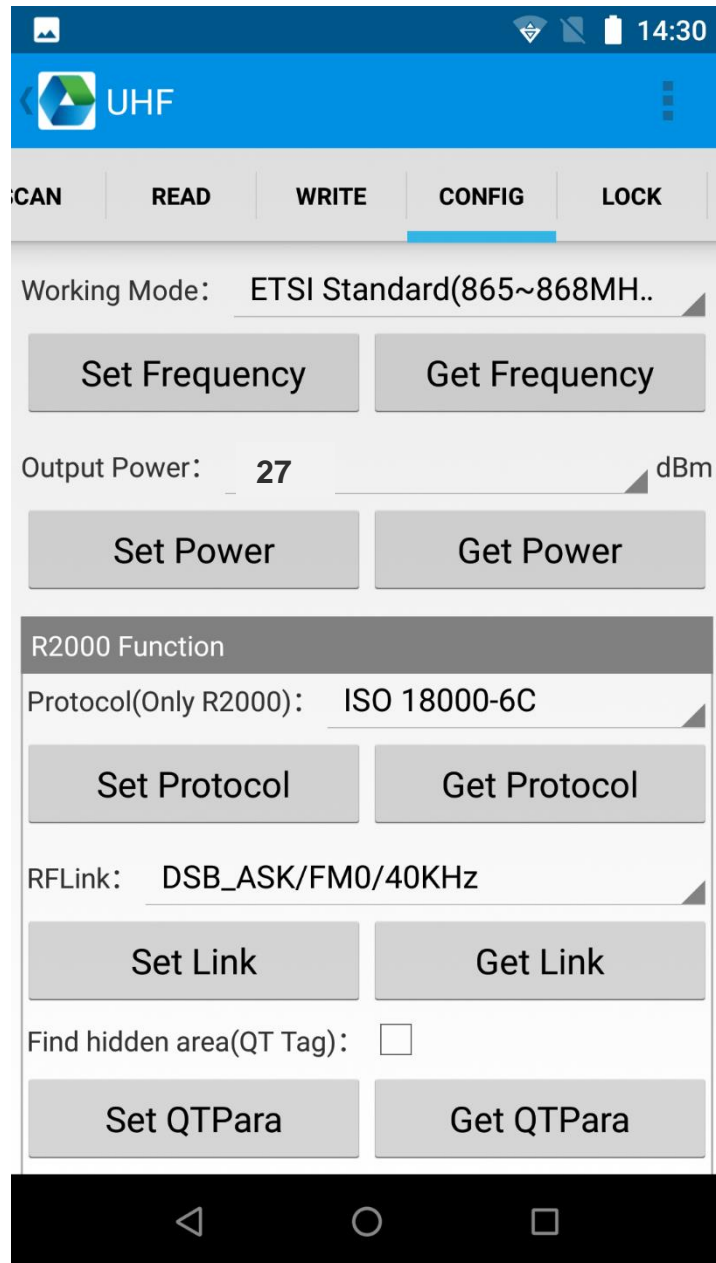
Max. radiant power: 0.6mW

Wave-length: 655nm

IEC 60825-1 (Ed.2.0). 21CFR 1040.10 and 1040.11 standard.

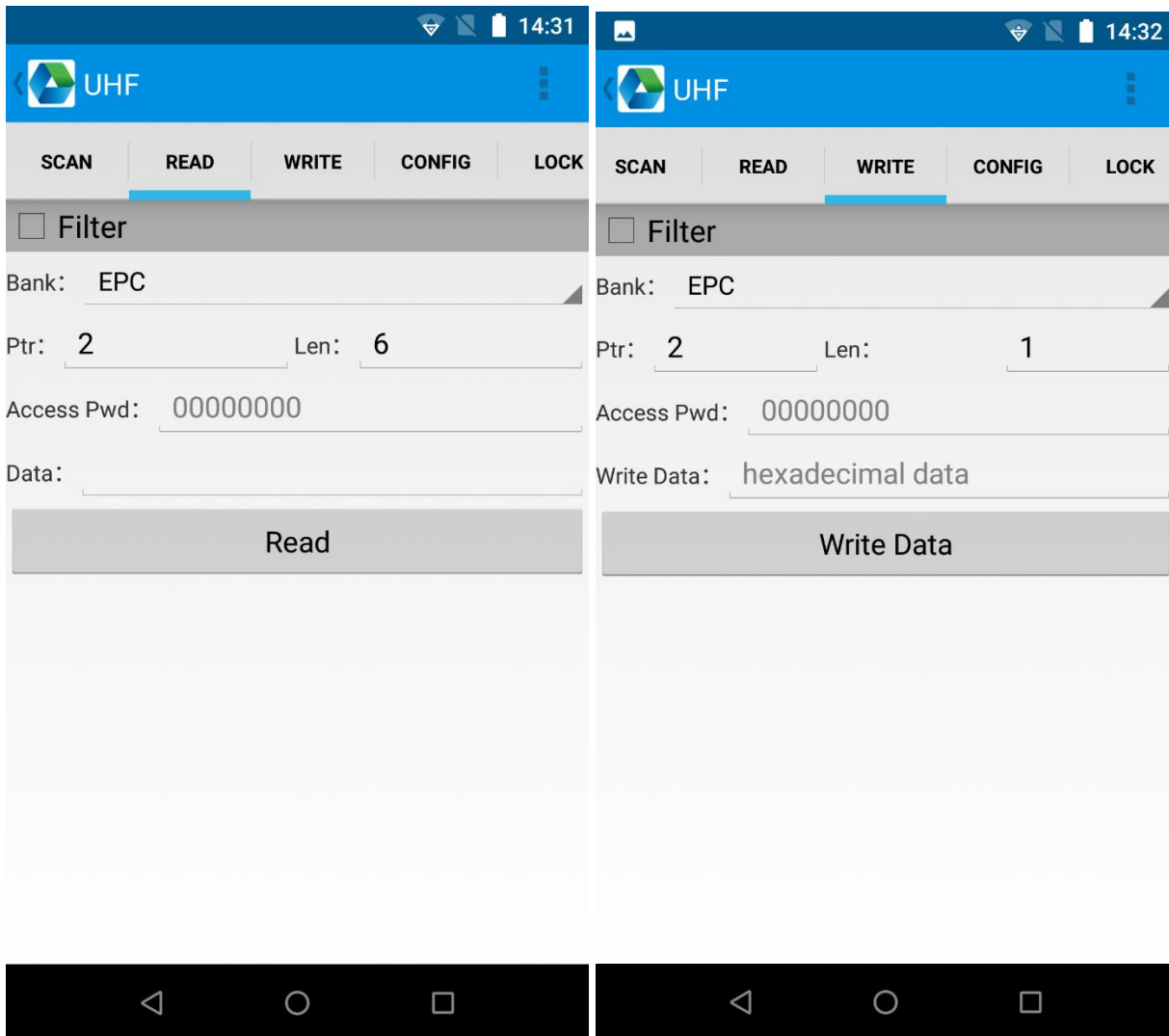
6.2 UHF configuration

Click CONFIG in demo to adjust working mode (865-868MHz, 921-928MHz...) and output power (from +19dBm to +27dBm adjustable).



6.3 UHF Tag Reading and Writing

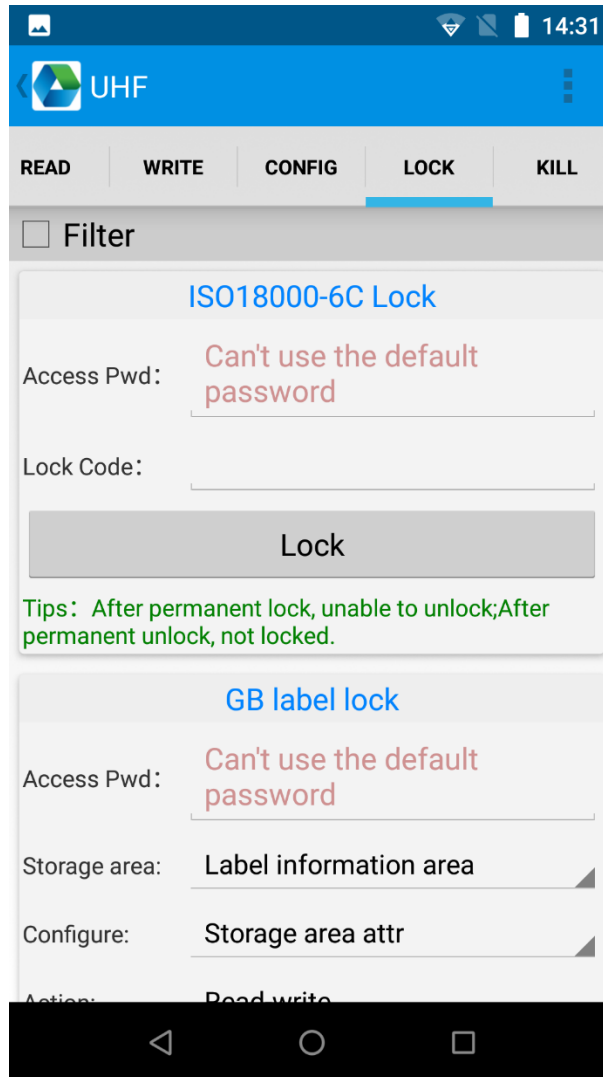
The storage of one tag has 4 zones: RESERVED, EPC, TID and USER. Normally, the default password is 00000000. TID zone can only be read, other zones can be read and written.



6.4 UHF Tag Lock and Kill

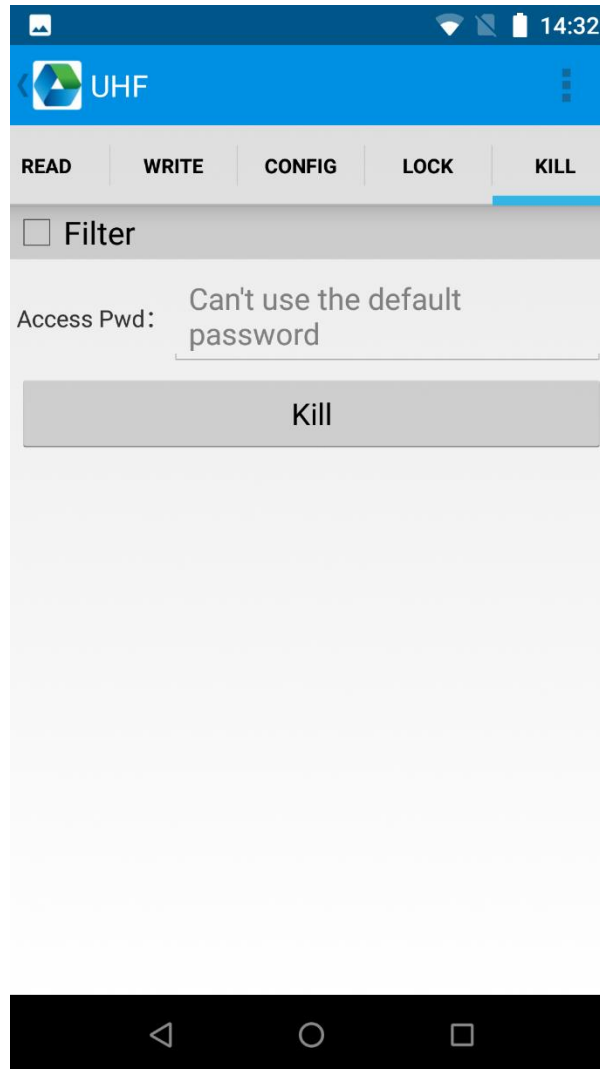
6.4.1 Lock Function

EPC memory can be locked.



6.4.2 Kill Function

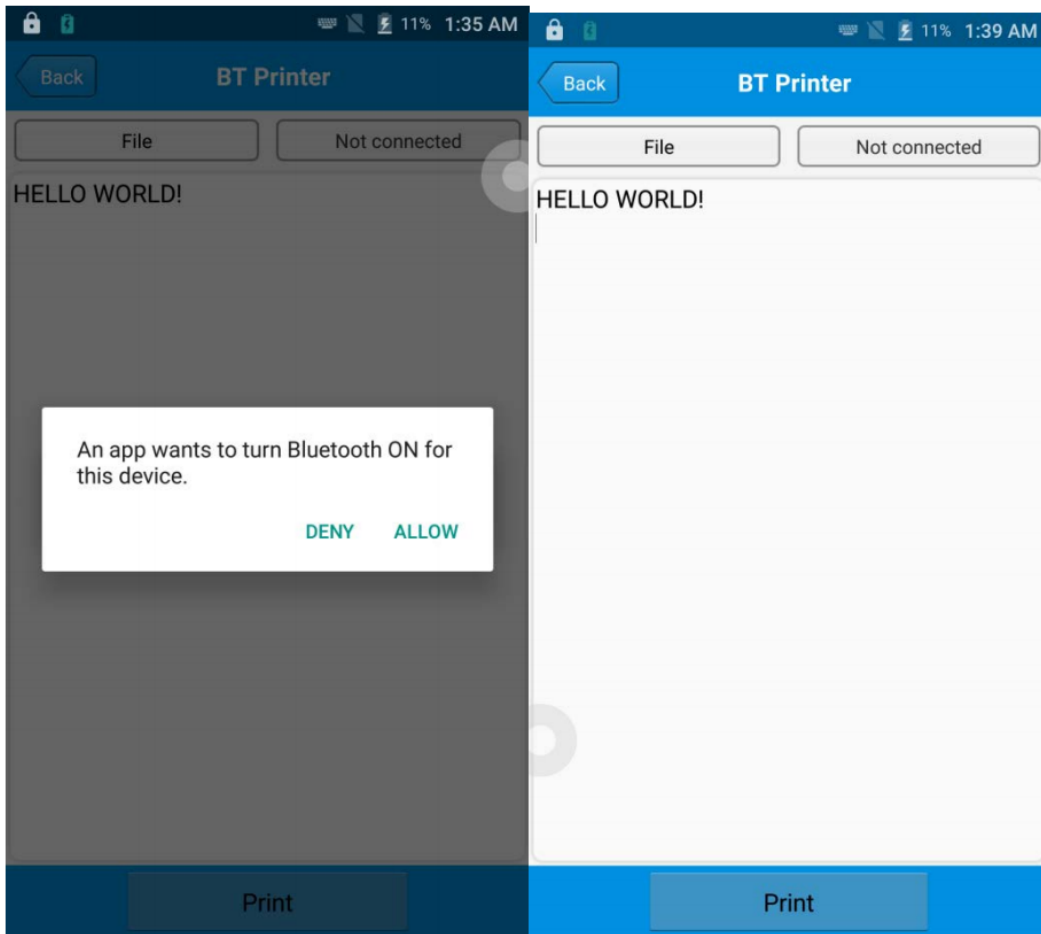
Kill function can be used to kill the tag permanently, which means it will never be read or written again. Write the correct access password and click kill.



7 Other functions

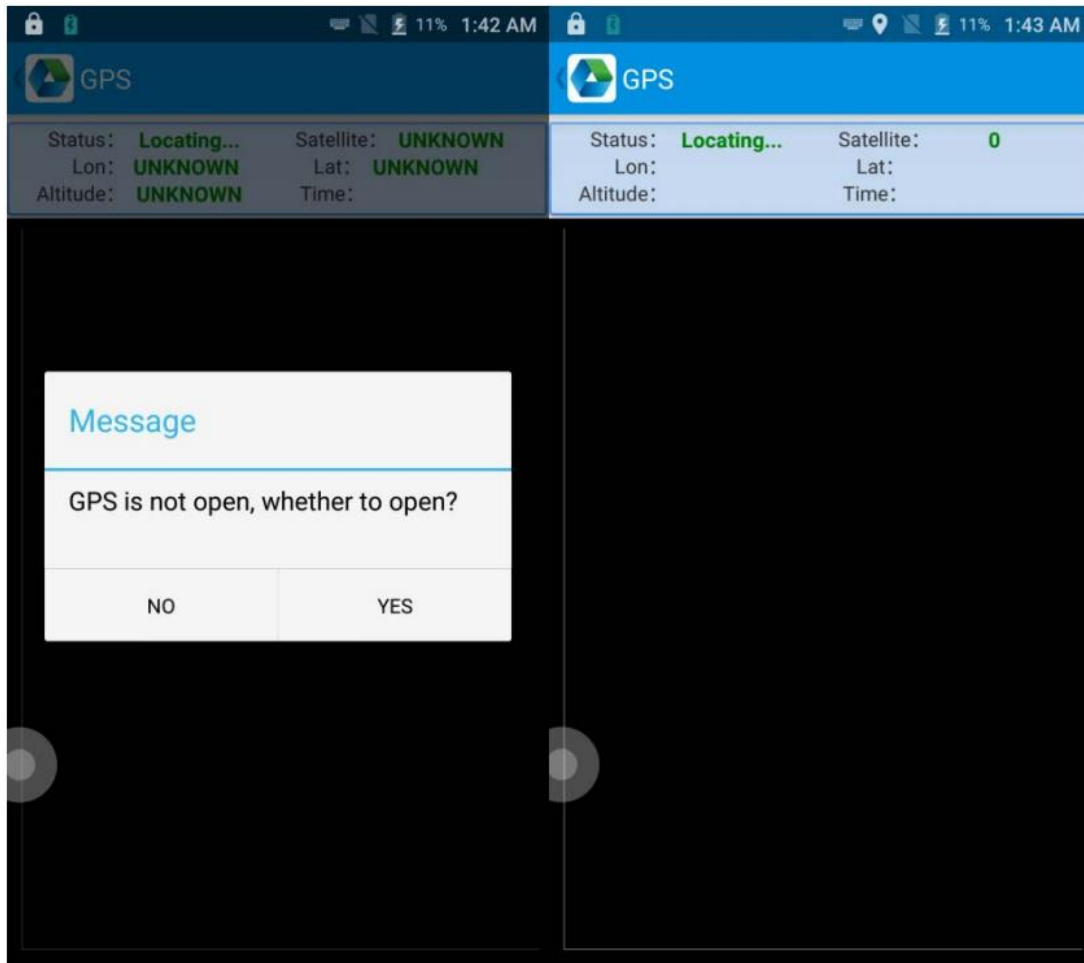
7.1 Bluetooth

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.



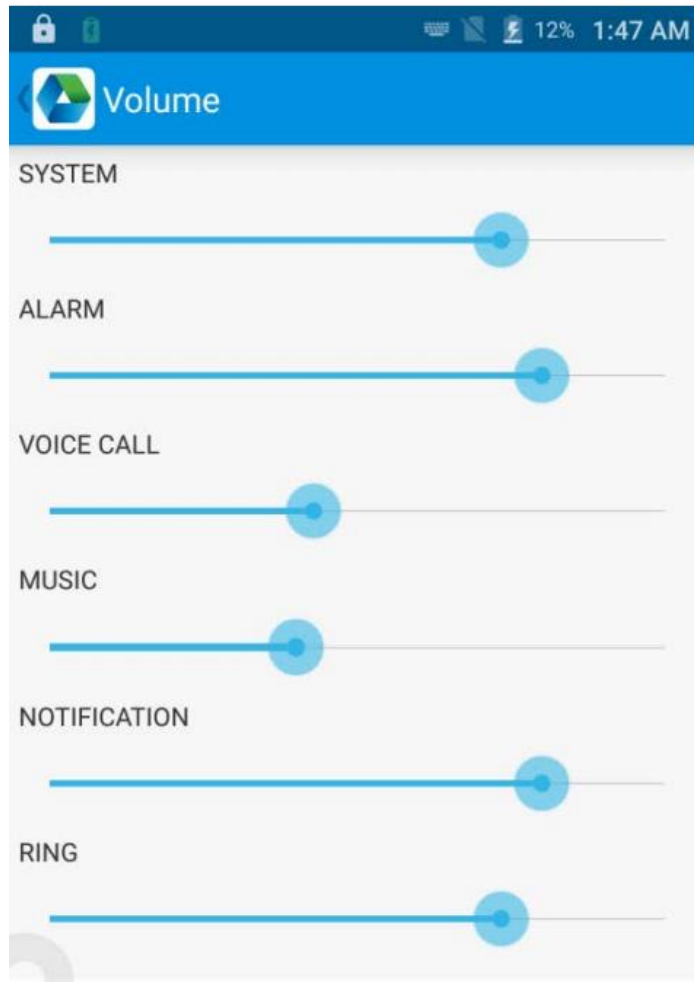
7.2 GPS

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



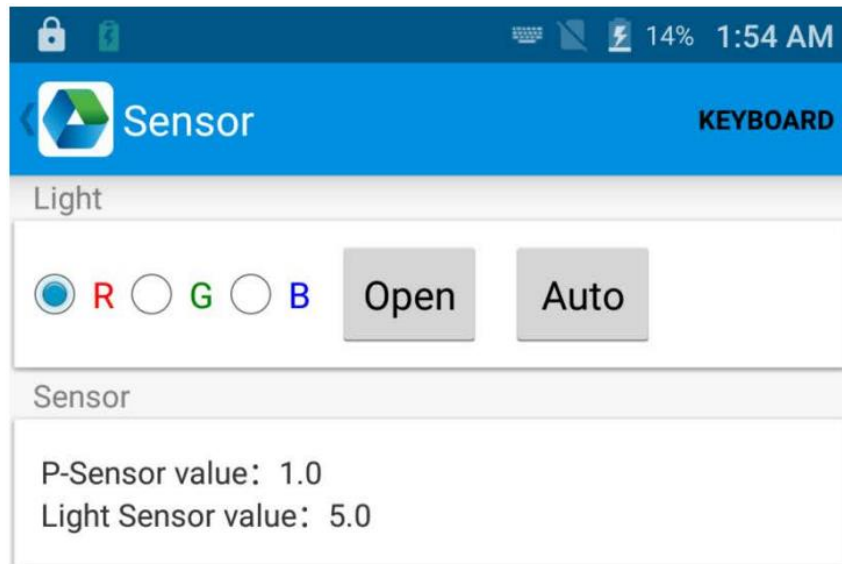
7.3 Volume setup

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



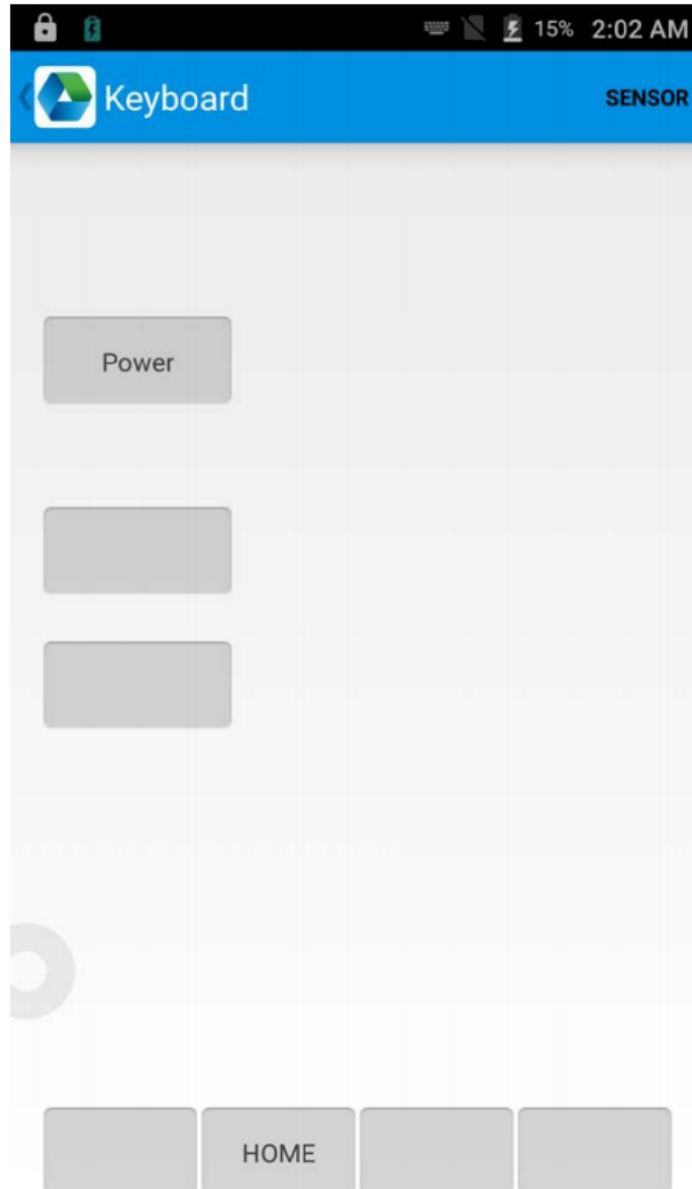
7.4 Sensor

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



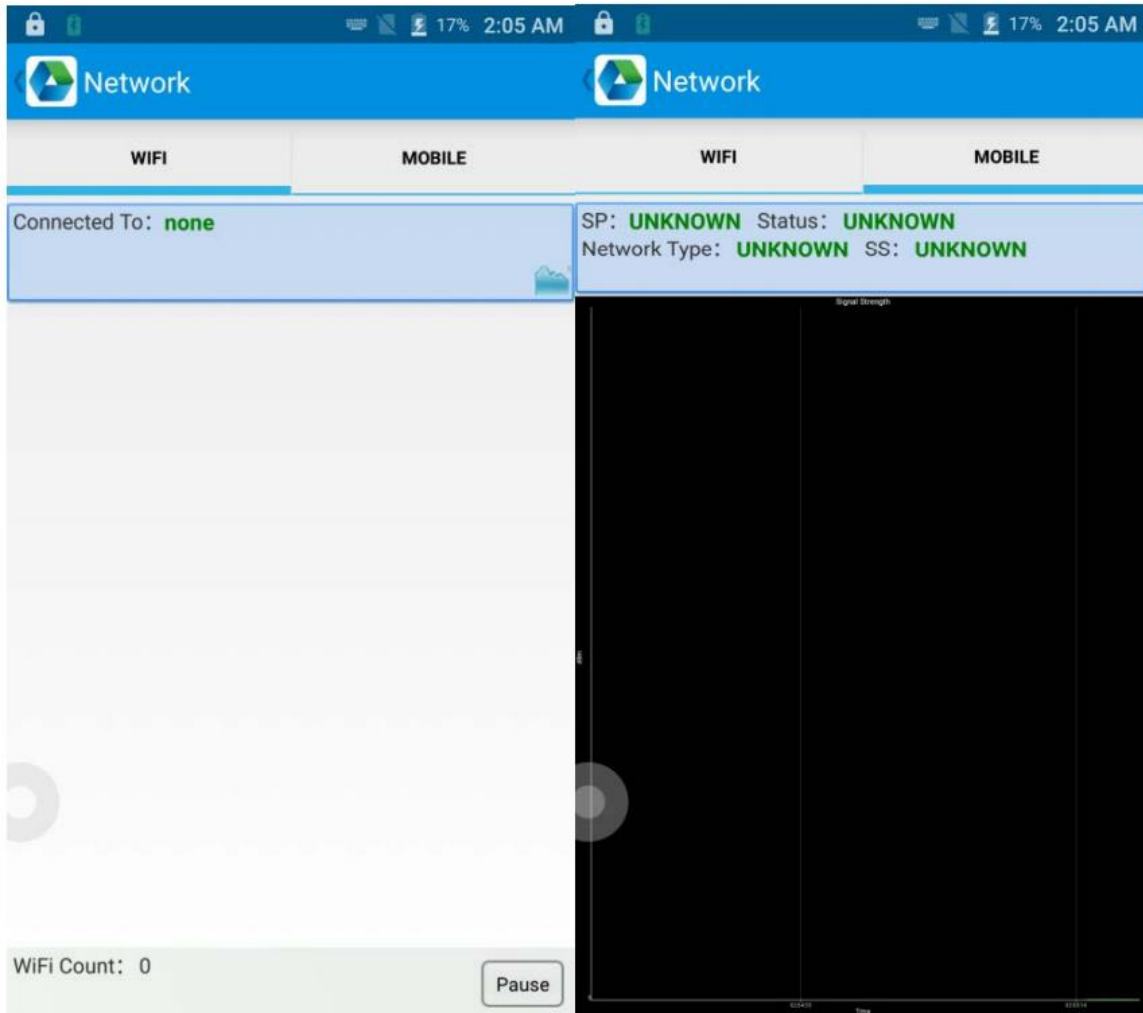
7.5 Keyboard

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



7.6 Network

1. Click “Network” in App Center.
2. Test WIFI/Mobile signal by requirements.



8 Accessories



Cradle