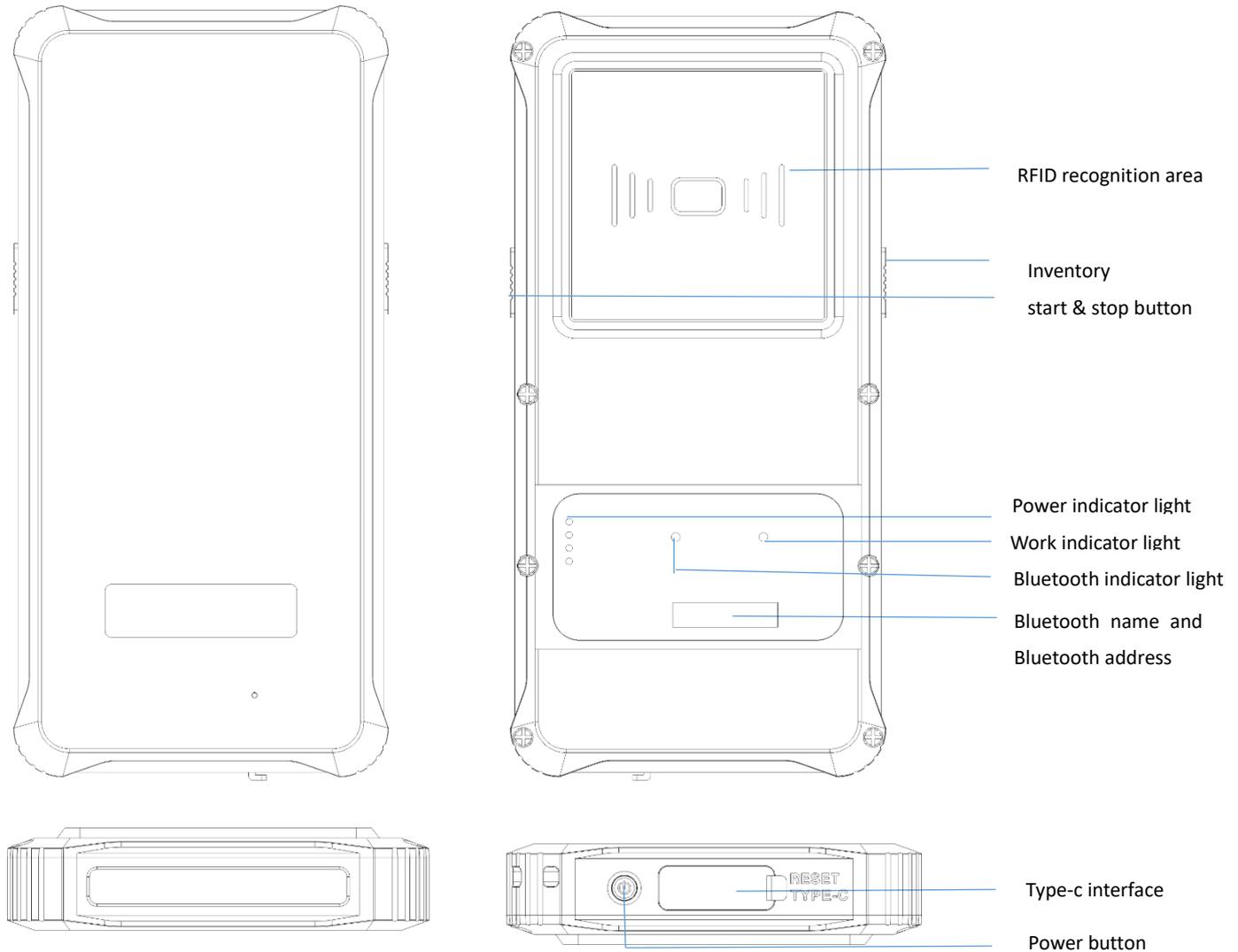# A8 User Manual

1. Product introduction

1.1 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) This device is an integrated product. Please do not disassemble the device privately. Or you will be responsible for all uncontrollable consequences caused by it.

1.2 Product appearance introduction

RFID recognition area

Inventory
start & stop button

Power indicator light
Work indicator light
Bluetooth indicator light
Bluetooth name and
Bluetooth address

RESET
TYPE-C

Type-c interface

Power button

First time use

☐ Long press the power button to turn on/off.

Button function

☐ Short press the buttons on both sides to start/stop RFID inventory.

Charging indicator

☐ The power indicator flashes when the device is charging

2. UHF Application

First, install the RFID demo on your android mobile device or other Bluetooth device with screen, open the corresponding demo icon , and enter the Module_UHF_Blue application. Then turn on the Bluetooth on your mobile device and the bluetooth reader to connect

2.1 Bluetooth connect: open the Module_UHF_Blue application, enter the connection interface, and perform Bluetooth connection operations.
(1) Bluetooth module: You can select the Bluetooth module.
(2) Search: Check BLE search, and then click Search to search for connectable Bluetooth devices, as shown in Figure 2-1:
(3) Reset: Click Reset, Bluetooth disconnects the current connection and reconnects.
(4) Connect: Search for connectable Bluetooth, select the corresponding Bluetooth device and click, then click connect. as shown in Figure 2-2 and you will connect successfully as shown in Figure 2-3:
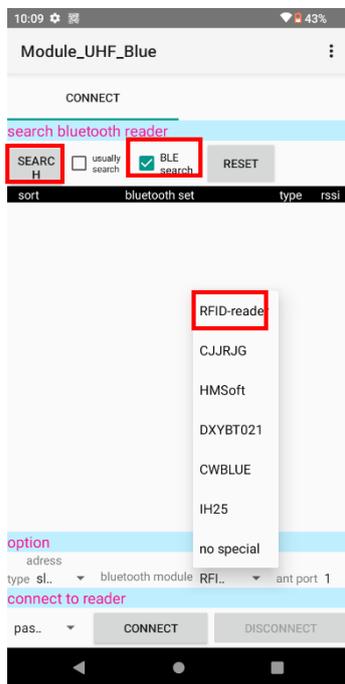

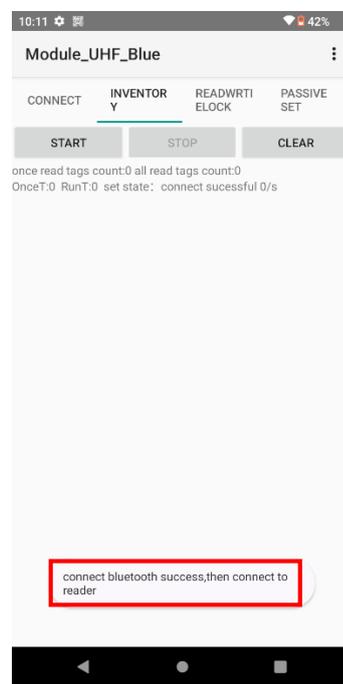Figure 2-1   Figure 2-2   Figure 2-3

2.2 Inventory: click start Inventory page and the device will search for tags or cards according to the set working method.

(1) Start/Stop: Click Start/Stop Inventory to start/stop reading tag information. The default is to obtain the EPC code.
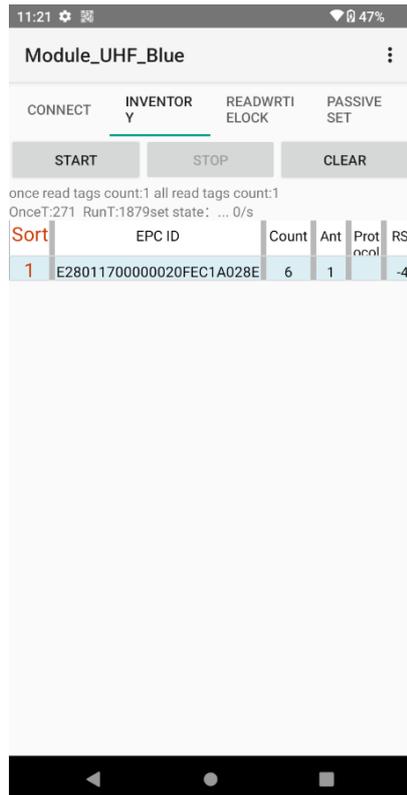
(2) Clear: Click to clear the current card search data.

(3) EPC ID: The EPC code displayed by the device reading the tag.

(4) Count: Displays the number of times the current tag has been searched.

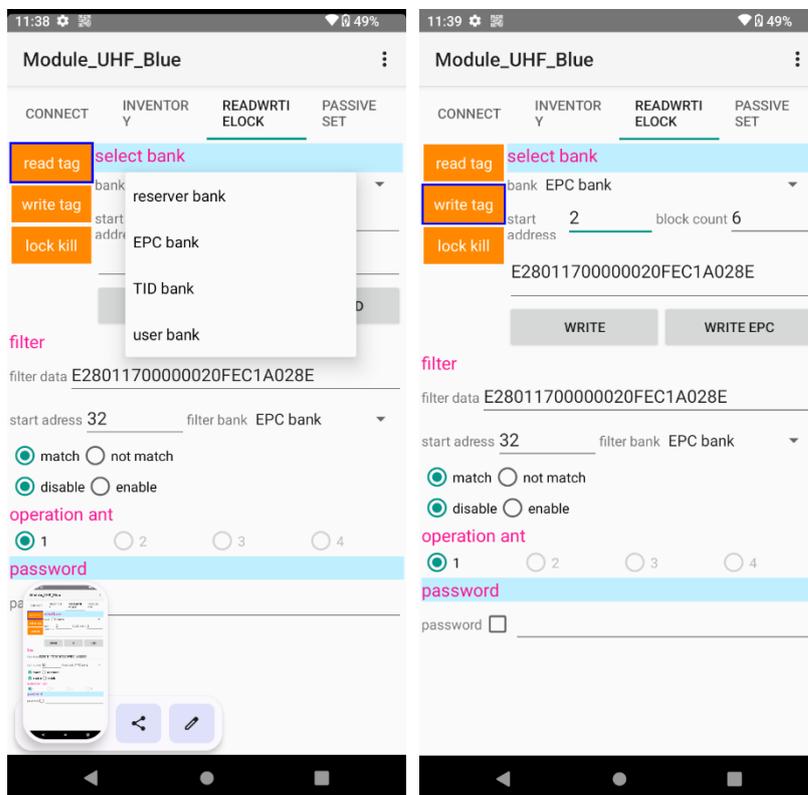(5) Antenna: Displays the antenna port to which the current tag belongs.

(6) RSSI: Displays the signal strength when the tag is found.

2.3 About Readwritelock

Read and write tags: Select a tag that has been found in the inventory interface, select the read/write tag area, enter the corresponding read/write tag conditions, and click read/write tags to complete the read/write tag operation.

(1) Select the read/write tag area(sele): You can select the reserver area, EPC area, and TID area,User area,

(2) Start address: Used with read/write tags, select the address bit to read or write.

(3) blocks count: Used with read/write tags, select the number of blocks to read or write.

(4) Read: Read the data at the set position. The read data is displayed in the horizontal line above the read button.

(5) Write: Used with write tags to display the current written tag content.

(6) Write EPC: Write the data at the set position. Please enter the data to be written in the horizontal line above the write button.
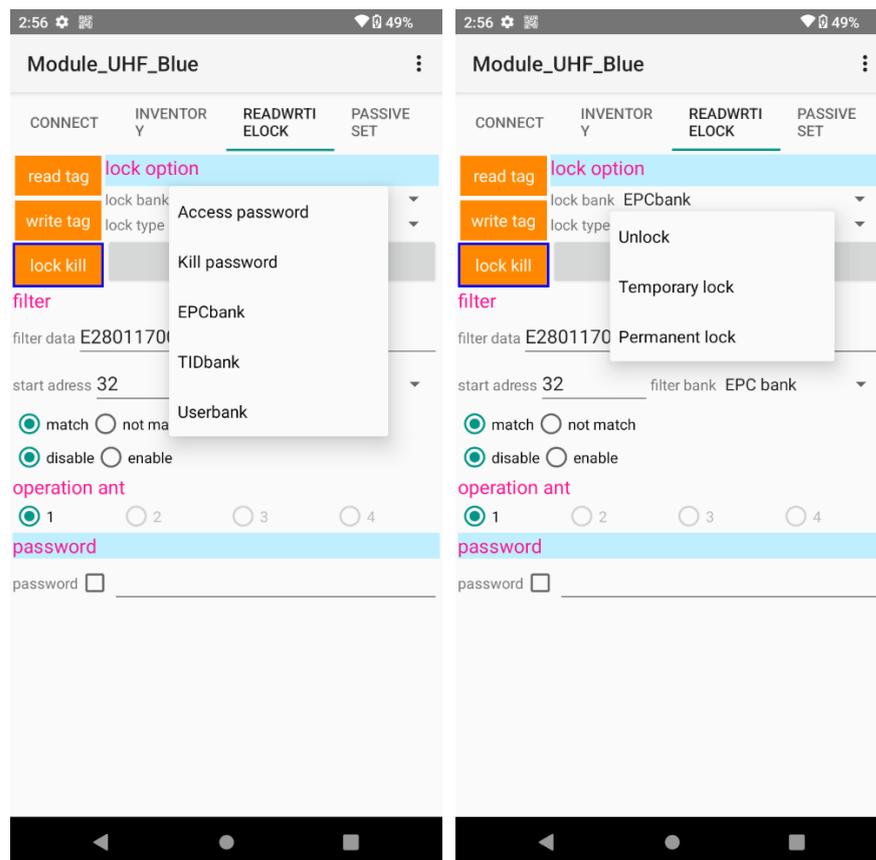
2.4 Lock and kill

erform tag lock and tag kill operations.

(1) Lock area(lock bank): Lock a certain area of the tag. You can select the EPC area, TID area, and USER area.
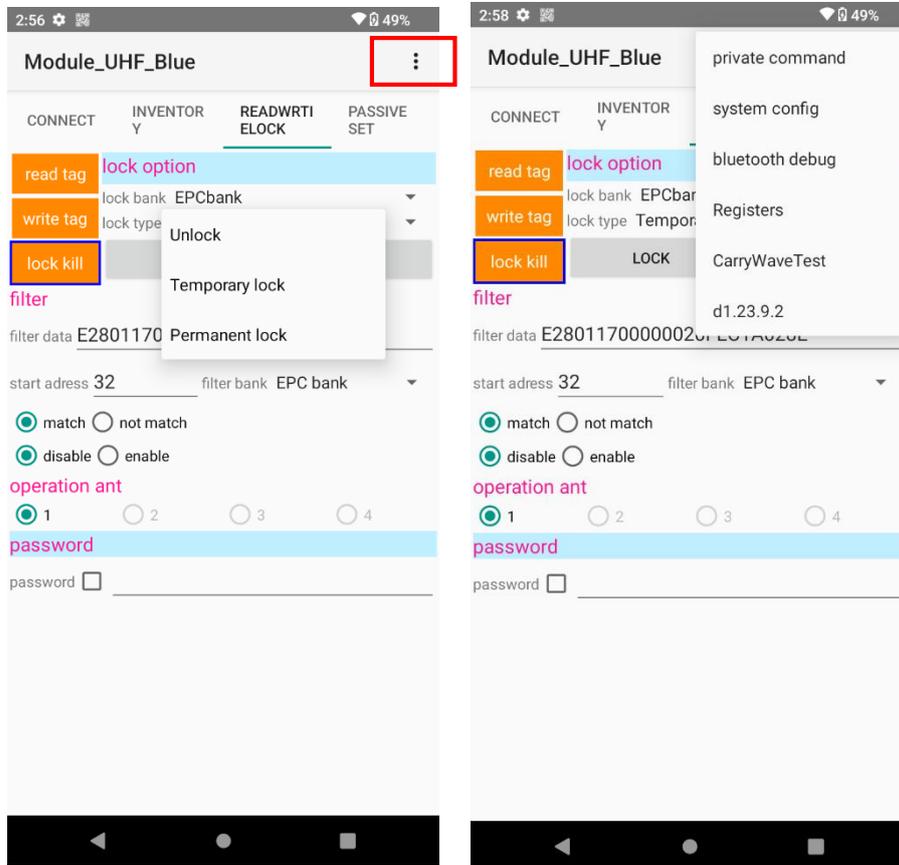
(2) Lock type: lock the tag, you can choose unlock, temporarily lock, or permanently lock (cannot be unlocked after operation).

(3) Lock: after the tag is locked, you cannot use the default password (8 zeros) to write to the tag, you can only use the self-set password to write to the tag.

(4) Kill: destroy the tag (destroyed tags are permanently invalid and cannot be restored, please use with caution)

2.5 Click the icon ⋮ pop up a menu, which includes private command, system configuration, Bluetooth debugging, Registers, carrier test, d1.23.9.2, etc. Select option to enter the corresponding interface.

3. Troubleshooting

Issue	Reason	Solution
Does not turn on after pressing the power button	The battery is low or not charging	Charge your device
	Short press	Long press for 3S
Fail to connect by bluetooth	Too far away from other BT device	Move your device closer to other Bluetooth
	Bluetooth devices are not turned on	Turn on the Bluetooth device you want
	The BT device is not in discoverable	Set your Bluetooth device to discoverable
Unable to count	Bluetooth connection failed	Reconnect Bluetooth
	Reading distance is too far	Move the device closer to the tag
USB cannot charge	The charger is damaged or has poor	Replace the charger or re-plug the charger.

Warm tip: if any other operational questions or secondary development needs, please directly consult our sales staff or ask for after-sales