RFIDVIEW-BLE01 EAR TAG READER

USER MANUAL

1. Instruction

RFIDVIEW-BLE01 Ear Tag Reader provides basic RFID reader functions of reading, displaying, and transmitting via Bluetooth module.

This manual is intended to provide a through overview of the RFIDVIEW-BLE01 Reader and should be carefully read before starting operating the device.

Thank you for your trust in us to provide for your Ear Tag Reader needs.

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2. Features

Physical Parameters	
Head size	φ50mm
Length	45cm to 120cm
Weight	≤0.3kg
LCD screen	2.08 inches
Electrical parameters	
Battery capacity	3000mAh
Continuous working time	20 hours
Communication mode	Bluetooth
Frequency	134.2 KHz
Reading range	5-8CM
Waterproof of reading head	IP57
Body waterproof rating	IPX3
Compatible with the ISO Standards 11784 and 11785, with FDX-B. and HDX capability	
Environmental parameters	
Operating Temperature Range	-10 to 50 °C
Storage Temperature Range	-20 to 65 °C
Humidity Max	90%
Intended Use	
Animal Identification and Tracking Management	

FOR YOUR PROTECTION, please read these safety instructions completely before applying power to, or operating the system.

3.1 Unpacking

The RFIDVIEW-BLE01 Ear Tag Reader is carefully packed to prevent damage during shipment. Before unpacking, please note any visible damage to the outside of the shipping containers.
Items should be checked in order to ensure that all ordered items have been received.

The following table lists the items which should be received with each particular system.

ITEMS	INCLUDED
RFIDVIEW-BLE01 Ear Tag Reade	√
USB Cable for Charging	√
RFIDVIEW-BLE01 Ear Tag Reade Operators' Manual	√

Each item should be examined for any noticeable defects or damage that may have occurred during shipment although it is packed carefully. If any defect or damage exists, please contact to your local representative immediately to report the problem.

3.2 Key Board Functions

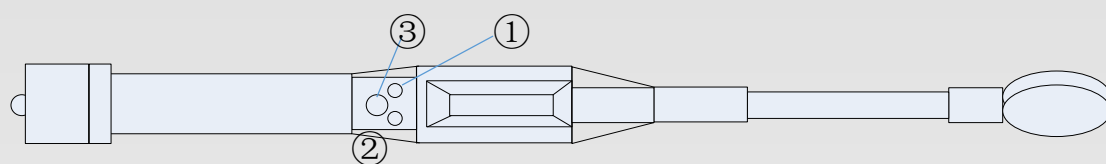The handheld keyboard is multifunctional. In different modes, it has different functions.

Figure3-1 The keyboard

①--- Set button

②--- Enter button

③--Power/Scan button

3.3 Power/scan

Press the 'Power/Scan' button to power up the reader, the version of the software will be showed on the screen. Seconds after the reader turned on, the reader begins to scan.
The reader can be turned off by hold down the 'Power/Scan' button for seconds.
You can scan by pressing the 'Power/Scan' button and quit the scanning operation by pressing the 'Enter' button.
The device will shut down automatically in 15minutes, if you don't use it.

3.2.2 General Setting

Press the 'Set' button to enter the menu setting interface, there are 4 options you can choose (form 1). Press the 'Enter' button to choose the option (mark >), press the 'Enter' button to enter. Press the 'Power/Scan' button to return to the previous menu.

Form 1 menu setting

	Option	Description
1	language	The only choice is English, now.
2	Bluetooth	There are 3 modes,'EMU KEB STD','EMU KBD SMART', and 'BLE PERIPHERAL'. You can press 'Set' button to select a mode, then press 'Enter' button to choose the mode (the device will indicate you 'waiting…' for set the parameter), at last there is a mark'*'before the current mode.
3	About	Show the device information, including the SN and the version of the soft.
4	Shut down	Press the 'Enter' button to power off the device.

Notes for Bluetooth:

- **EMU KEB STD mode: shown the data from the reader and the cursor will jump to the next line.**
- **EMU KEB SMART mode: besides the functions of the EMU KEB STD, the keyboard will pop automatically for operator to add information.**
- **BLE PERIPHERAL mode: reserved for APP connection**

3.3 Bluetooth connection

You can choose any equipment which has Bluetooth and Virtual keyboard (like Notes, excel, word etc.) functions as your mobile terminal, like iPhone, iPad etc.

Open the Bluetooth function of the mobile terminal, and then connect our device 'Ear Tag Reader'.

Open the notes (for example), create a new or open an existing note, the blinking cursor notice that the equipment is ready for receiving data from the reader.

4. Scanning

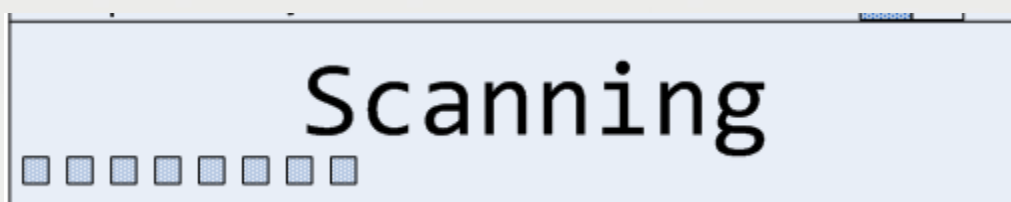1) Press the 'Power/Scan' button to detect (see figure4-1).

Figure 4-1 scanning

2) If there is no tag detected in 20 seconds, the information 'NO Tag' and ' press the Power/Scan button to scan' will be shown on the screen(see figure 4-2). You can press the 'Power/Scan' button todetect again.

Figure 4-2 No Tag

3) If a tag is detected, the tag number will be shown on the screen (see figure 4-3).
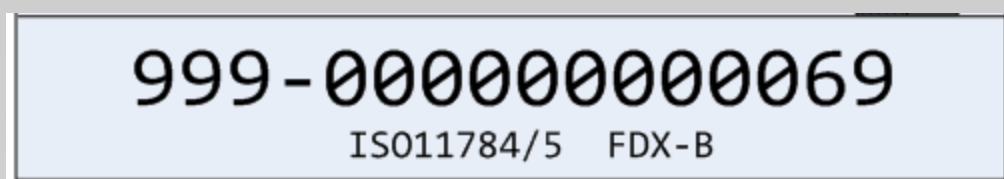
999-000000000069
ISO11784/5 FDX-B

Figure 4-3 tag number displayed

4) If the Bluetooth connection is well, the tag number will transmit to the mobile terminal automatically (see figure 4-4)
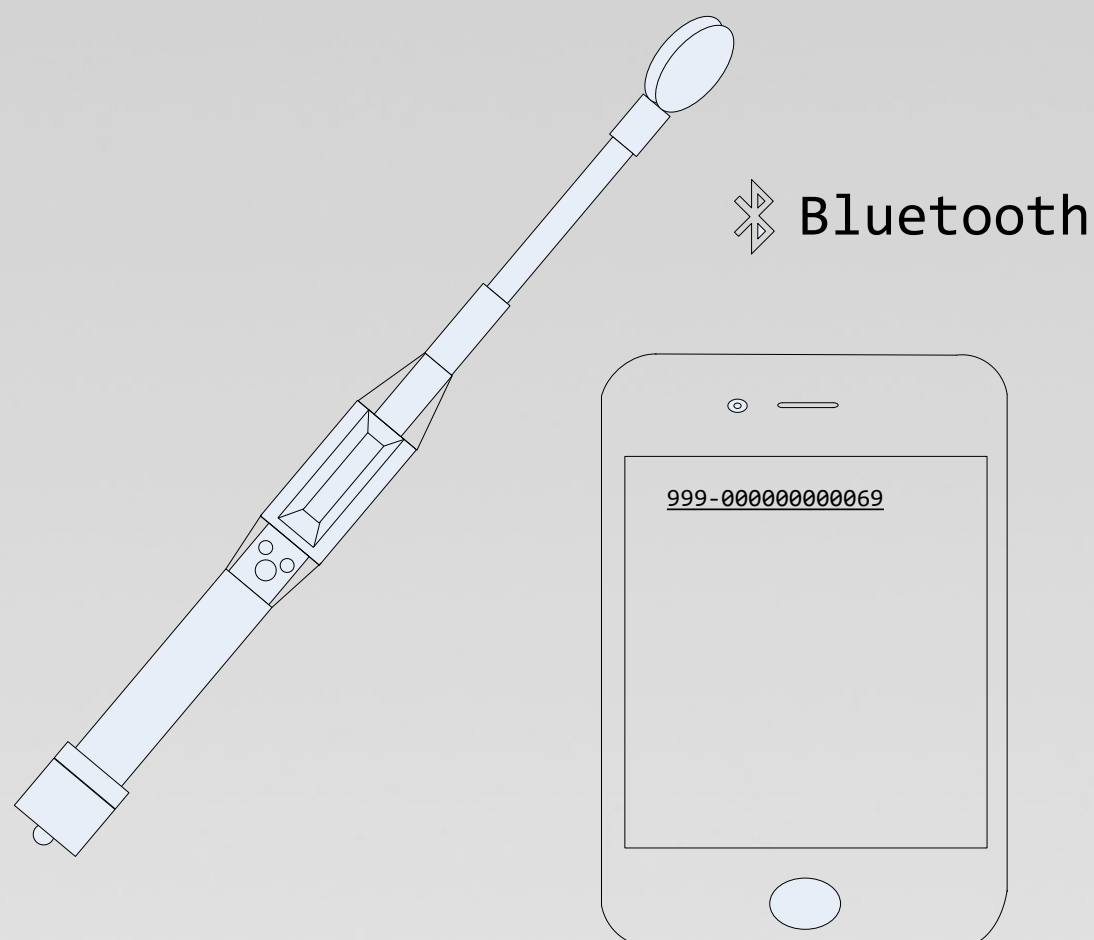
Bluetooth

999-000000000069

Figure 4-4 data transmission

5.   Maintenance

5.1. Charging

When battery goes down, it is necessary to recharge the reader. Unscrew the back cover, and then connect the USB Charger and USB Cable with the reader to charge the reader as shown in figure 5-1. When in charging, the battery indicator light will be green.

Figure 5-1 charge the reader

To see the status of charging, you should turn on the reader.
If the battery indicator bar all light and the flash sign not blinking means the battery is fully charged. Unplug the USB cable and screw the back over.

5.2. Cleaning

Periodic cleaning of the reader is required. The reader can be cleaned by soft cloth or paper or water directly at the reading header. The reader with the waterproof level of IPX7 can be washed using clean water.

5.3. Storage

When not in use, it is recommended that the equipment should be put in the case. While stored the equipment should be protected from temperature extremes.

5.4. Maintenance

1) The RFIDVIEW-BLE01 Ear Tag Reade need to be taken good care of during or after use.
2) Do NOT drop it from high level.
3) Prevent high pressure from the screen.
4) Regularly charge the battery.