W91
Instructions

Description of the structure
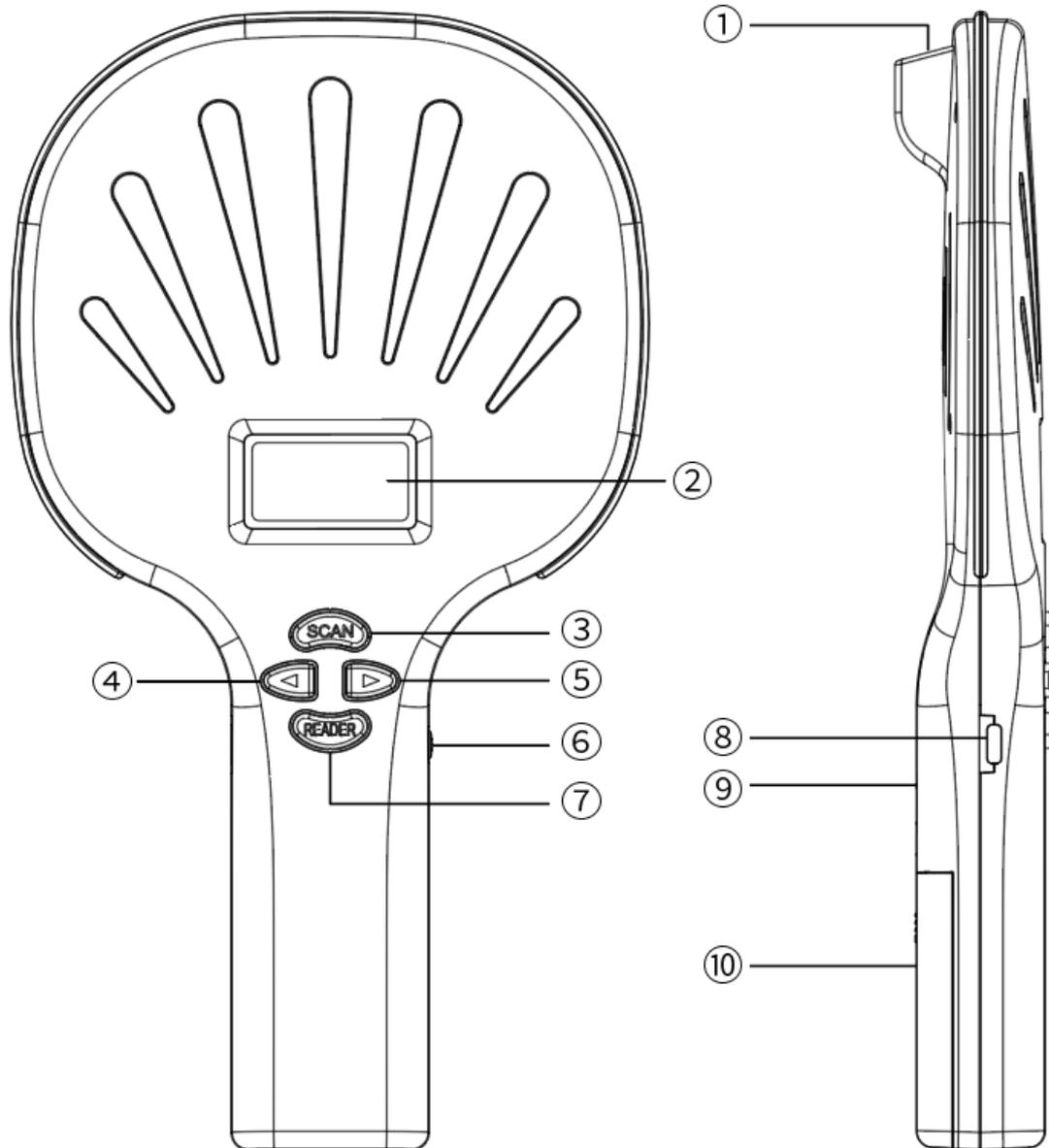
▢	Scan the window	▢	OLED display
▢	Scan key / back key	▢	Page it up
▢	Page down / enter	▢	power supply
▢	Read key / confirmation key	▢	Type-c interface
▢	Wireless receiver	▢	Battery compartment

Product overview

The animal tag reader is an RFID wireless reader that supports electronic tags in EMID, FDX-B (ISO1784/85) and conventional barcode/two-dimensional code scanning formats. The product uses a high-brightness OLED display, which can be clearly displayed in indoor and outdoor strong light conditions. With its own storage function, it can store up to 6000 tags, which can be uploaded to the computer via USB data cable, wireless, and Bluetooth.

The product performance is stable, the operation is simple, and it is suitable for small animal management, traceability management, warehousing inventory, and material management.

PROJECT	PARAMETER
MODEL	W91
WORKING FREQUENCY	134.2Khz/125Khz
LABEL FORMAT	EMID、FDX-B(ISO11784/85)
READING DISTANCE	2 to12mm glass tube label >15cm 30mm animal ear tags >25cm(related to label performance).
STANDARD	ISO11784/85
READING TIME	＜100ms
SCAN MODE	CMOS
SUPPORT CODE SYSTEM	1D: EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS- Ltd, RSS- Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite 2D: QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K
SIGNAL INDICATION	128 x 64 high-brightness OLED screen, buzzer
POWER SUPPLY	3.7V (rechargeable lithium battery).
STORAGE CAPACITY	6000 messages
CONNECTION METHOD	USB2.0, Wireless HID (optional), Bluetooth (optional).
LANGUAGE	English (can be customized according to customer requirements)
OPERATING TEMPERATURE	-10℃~50℃
STORAGE TEMPERATURE	-30℃~70℃
PACKAGE SIZE	267mm×148mm×38mm
WEIGHT	500g

Instructions for operation

1. Click the button to turn on, and the startup interface will be displayed on the screen after self-checking:

```
2020/01/01 12:00:00  [IIII]
        <SCAN>
      ◄Settings►
       <READER>
```

---
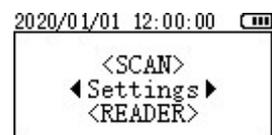
2. Press the "SCAN" button to enter the scan code mode, and then press "SACN" button to start scanning, the screen displays the scanning result:

```
2020/01/01 12:00:00  [IIII]
       BARCODE  🔲(⊙)✳
4451231654145
```

---
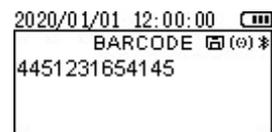
3. Press the "READER" button to enter the card reading mode. When the screen displays "((((((0)))))", move the machine close to the card. After the reading is successful, the card number will be displayed on the screen, and the label type card number will be displayed above the label; if the label reading is unsuccessful, Will show "No Tag"

```
2020/01/01 12:00:00  [IIII]
       FDX-A   🔲(⊙)✳
     4451231654
```

```
2020/01/01 12:00:00  [IIII]
                🔲(⊙)✳

   (((((0)))))
```

```
2020/01/01 12:00:00  [IIII]
                🔲(⊙)✳

     No tag
```

---
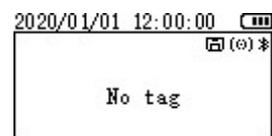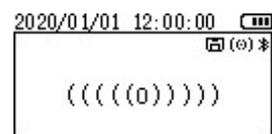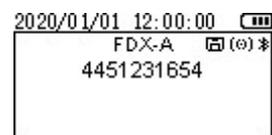
4. Press ◄ or ► on the startup interface to enter the setting interface, then press ◄ or ► to move the cursor, select the item to be set, press the "READER" button to confirm, and press the "SCAN" button to return

```
2020/01/01 12:00:00  [IIII]
▶1.Reader Mode    »
 2.Data Query     »
 3.Storage Mode  [Y]
```

---
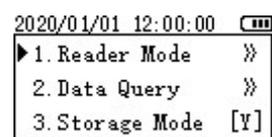
5. Card reading mode settings
After entering the setting interface, select "Reader Mode" and press the "READER" button to enter. There are three card reading modes, namely key trigger/read once/continuous. After selecting the mode to be set, press the read/write key to confirm, and the corresponding mode is displayed [Y]

```
2020/01/01 12:00:00  [IIII]
▶ * Key Trig     [Y]
  * Read Once    [N]
  * Continous    [N]
```

---
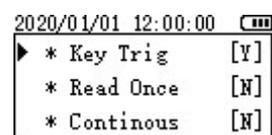
6. Data query
Select "Data Query" in the setting interface, press "READER" button to enter, you can view the recorded data, including data number, data type, data content, press ◄ or ► to switch

```
2020/01/01 12:00:00  [IIII]
  [00001]/[00009]
     BARCODE:
  4646449854156
```
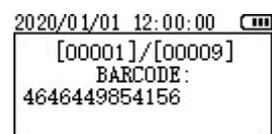
7. Storage method

Select "Storage Mode" in the setting interface, and press the "READER" button to switch the mode switch. When [Y] is displayed in the back, the storage mode is turned on, and the scanned data will be stored in the device memory; when [N] is displayed in the back, the storage mode is closed and the scanned data will not be saved

```
2020/01/01 12:00:00  🔋
 1.Reader Mode      »
 2.Data Query       »
▶3.Storage Mode    [Y]
```

8. Transfer method

Select "Transfer Mode" in the setting interface, and press the "READER" button to enter the setting. There are three transmission modes, 2.4G wireless/Bluetooth/USB port. [+] means it is turned on, and the data will be transferred to the connected device; [-] means closed, data will not be transmitted through this connection, press the READER key to switch the switch

```
2020/01/01 12:00:00  🔋
▶ * 2.4G Dongle   [+]
  * Bluetooth     [+]
  * USB Port      [-]
```
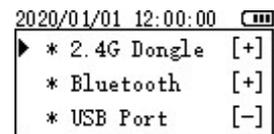
9. Data upload

Select "Data Upload" in the setting interface and press the "READER" button to upload the data stored on the device to the connected external device. After the upload is successful, the screen displays "Upload OK!"

```
2020/01/01 12:00:00  🔋
       Upload OK!
```
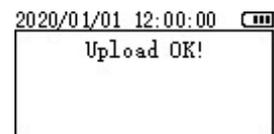
10. Data deletion

Select "Data Delete" in the setting interface and press the "READER" button to delete the data stored on the device. After the deletion is completed, the screen displays "Delete OK!"

```
2020/01/01 12:00:00  🔋
       Delete OK!
```
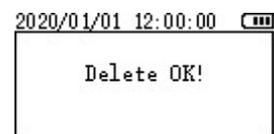
11. Wireless matching

When the wireless receiver is unsuccessful or needs to be paired again, select "wireless match" in the setting interface, press the "READER" button to enter the pairing, "Pls Plug Dongle!" appears on the screen, plug the wireless receiver into the USB port and wait 2 seconds, when "Dongle pair OK!" appears on the screen, it means the pairing is successful

```
2020/01/01 12:00:00  🔋
     Pls Plug Dongle!
```

```
2020/01/01 12:00:00  🔋
     Dongle pair OK!
```
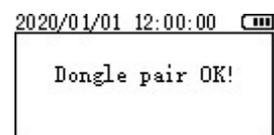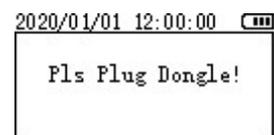
12. Language setting

Select "Language Set" in the setting interface, press the READER key to enter the language setting,
Press ◄ or ► to switch language, press "SCAN" button to return

```
2020/01/01 12:00:00  🔋
      ◄ English ►
```
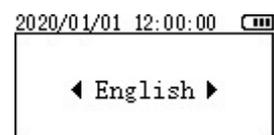
13. Buzzer settings
Select "Buzzer Sound" in the setting interface, press the "READER" button to switch the sound switch, [Y] means on, [N] means off

```
2020/01/01 12:00:00  [▥]
 7.Wireless Match  》
 8.Language Set    》
▶9.Buzzer Sound   [N]
```
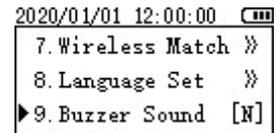
14. Bluetooth settings
Select "Bluetooth" in the setting interface and press the "READER" button to enter the Bluetooth settings. There are three transmission methods: HID transmission, SPP transmission, and BLE transmission. Press ◄ or ► to switch, press "READER" button to select

```
2020/01/01 12:00:00  [▥]
▶ * BT HID Mode  [Y]
  * BT SPP Mode  [N]
  * BT BLE Mode  [N]
```

15. Sleeping time
Select "Sleep Time" in the setting interface, press the "READER" button to enter the setting, press ◄ or ► to switch the time, press the "READER" button to confirm after selection, the screen displays "Setup OK!" Indicating that the setting is successful

```
2020/01/01 12:00:00  [▥]

   ◄ 0.5 min ►
     Set OK!
```

16. Clock setting
Select "Clock Setting" in the setting interface, press the "READER" button to enter the setting, press ◄ or ► to adjust, press the "READER" button to confirm after the setting is completed, the screen displays "Setup OK!" Indicating that the setting is successful

```
2020/01/01 12:00:00  [▥]

2020/01/01 12:00:00
     Set OK!
```
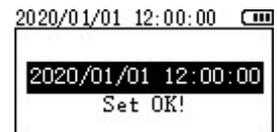
17. Reset
Select " Factory Reset " in the setting interface, press the "READER" button to confirm the reset

```
2020/01/01 12:00:00  [▥]

  Confirm Reset ?
```
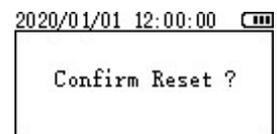
18. View version information
Select "version information" in the setting interface, press "READER" button to view the device version information, "SW version" represents the software version; "HW Version" represents the hardware version

```
2020/01/01 12:00:00  [▥]

  SW Version:1.0.0
  HW Version:1.0.0
```