

Hand-held stick reader

Operating instructions



Contents

I. Overview	1
II. Performance Parameters	1
III. Functional introduction and operating instructions	2
1 Description of the power-on display interface	2
2 Basic operations	3
(1) Power on	3
(2) Scanning labels	3
(3) Date view	3
(4) Auto shutdown.....	3
(5) Returns to the main interface.....	3
3 System Settings	3
1: Return	4
2: Language	4
3: Storage.....	4
4: Rereading.....	5
5: Marking	5
6: Comparison	5
7: Sound.....	6
8: Delete.....	6
9: System information	6
10: Card reading	6
11: Bluetooth	6
12: Switch off	7
13: Ex-factory	7
IV.Data Transfer Management.....	8
V. Precautions	11
VI. Packing List	12
VII. Product Warranty Description	12
VIII. Release Notes	12

I. Overview

The handheld adopts RFID wireless reading method and supports electronic tags in FDX-B, HDX, EMID (ISO11784/85) formats. The product adopts 3.5-inch 480 * 320 high brightness LCD, in indoor or outdoor bright light conditions can also be clearly displayed. The product comes with a storage function that can store up to 20,000 pieces of tag information, users can transfer the tag data stored in the device to a computer or mobile phone for data management via USB cable or Bluetooth wireless connection, supporting PC-based host computer software that supports data export and modification of device configuration.

With stable performance, powerful functions and simple operation, the product is suitable for animal management, traceability management, railway inspection, pet hospitals and other asset management fields.

II. Performance Parameters

Operating Frequency	134.2KHz/125khz
Label format	FDX-B、HDX、EMID
Sensing distance	FDX-B: 2.12*12 glass tube labels >12cm (± 3 cm) 30mm ear tag >30cm (± 5 cm) HDX: 30mm ear tag >35cm (± 5 cm) (The reading distance of the device is related to the performance of the tag and the operating environment.)
Standard	ISO11784/85
Reading time	<100ms
Signal indication	3.5 inch 480*320 high brightness LCD, buzzer, vibration motor
Power supply	7.4V lithium battery
Power supply	Operating: 4.2W, Standby: 0.5W
Storage Capacity	20000 items
Battery Life	More than 20,000 readings on full charge

Battery Capacity	2000mAH
Communication Interface	Bluetooth 4.0, USB2.0
Appearance Specification	Length: 80CM Width: 8CM Height: 4CM
Weight	560g
Supported Languages	Chinese, English, Russian, French, German, Japanese, Mongolian, Dutch, Danish, Traditional Chinese, Spanish, Portuguese, Kazakh

III. Functional introduction and operating instructions



1 Description of the power-on display interface

The reader comes with a 3.5-inch 480*320 high brightness LCD display, in the upper left corner of the LCD, it can display the re-reading mode, storage mode, Bluetooth mode and marking mode at the same time. The time is displayed at the top right of the LCD, and the current battery level is displayed at the top right of the LCD.

2 Basic operations

(1) Power on

Pressing the  key while the power is off turns the system on and enters the Scan Label Display screen.

(2) Scanning labels

In the initial interface of the device by pressing the "SCAN" button to start scanning the label, the main screen displays "(((0)))", after reading the label information, the buzzer prompts a sound, the current label information is displayed on the screen. 10S scanning " No Data" will be displayed on the screen if the label information is not scanned within 10S. The label can be cancelled by pressing the left and right buttons or BACK during the card reading process.

(3) Date view

Under the main interface, press ' < ' left button to scroll up for tag information and time; press ' > 'right button to scroll down for tag information and time.

(4) Auto shutdown

In the boot state, the device if no device shutdown time, 120S without any key operation or data transmission, the system will automatically shut down into a dormant state

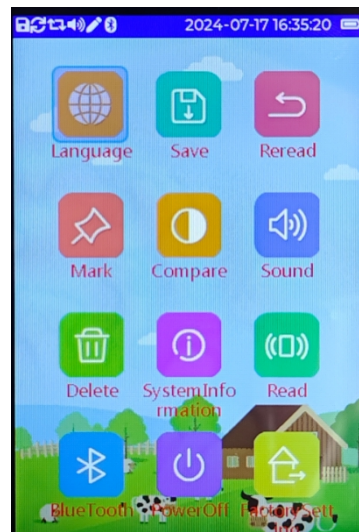
(5) Returns to the main interface

After the device reads the label, the main screen will display the label data information, at this time, you can return to the main interface by pressing "BACK".

3 System Settings

Press the left and right keys in the power-on state, the reader enters the setting mode, the display interface is shown as below, and press the left and right keys (' < '

key and ' > ' key) to move the "arrow" cursor to Select different functions for setting.



1: Return

In the icon screen, press "BACK" to return to the scanning screen.

2: Language

The factory default language is Simplified Chinese.

If you want to change the language, you need to move the "arrow" cursor to the "Language Setting" menu, and then press the "SCAN" key to enter into the language setting menu to select the language through the "arrow" cursor. Press "SCAN" key to enter the language setting menu and select the language by the "arrow" cursor.

(The languages that come with the device are Chinese, English, Russian, French, German, Japanese, Mongolian, Dutch, Danish, Traditional Chinese, Spanish, Portuguese, and Kazakh for selection.)

3: Storage

Move the cursor to the "Storage" icon and press the "SCAN" key to enter the storage setting, at the storage setting menu, select and confirm the storage function on or off by pressing the "<" ">" and "SCAN" keys. At the storage setting menu, press "<", ">" and "SCAN" to select and confirm to turn on or off the storage function.

(Note: When the storage function is on, the device will automatically store the information of tag type, ID number and operation time after reading the tag information; when the storage function is off, the tag data information will not be

stored).

4: Rereading

Move the cursor to the "Repeat" icon, press "SCAN" to enter the repeat setting, at the repeat setting menu, select and confirm the on or off function by pressing "<" ">" and "SCAN". At the menu of repeat setting, press "<" ">" and "SCAN" key to select and confirm to turn on or off the repeat function.

(Note: When the re-read function is on, the handheld will save the same or different tag information read into the memory; when the re-read function is off, when the tag information read is the same as the tag letter in the memory, the current data will not be stored and the "DUP" prompt will be displayed).

5: Marking

Move the cursor to the "Mark" icon, click "SCAN" key to enter into the data marking settings, press "<" ">" in the menu. In the menu, press "<" ">" "SCAN" key to select the marking number (the data read by the factory equipment is not marked by default).

(Note: This function is a data marking function, you can set 9 groups of different marks according to the set, for the next stored to the label with 1 ~ 9 kinds of marks)

6: Comparison

Move the "arrow" cursor to the "Data Compare" menu, select and confirm the on/off function by pressing the "<", ">" and "SCAN" keys. Press "<" ">" and "SCAN" key to select and confirm to turn on or turn off the comparison function, to realise the comparison function, you have to download the comparison file to the device through the PC software first, when the device has turned on the comparison function and the device has downloaded the comparison data to the device, the label data read by the device will be compared with the label data imported into the device for comparison, if there is the same label information, "CMP" will be displayed. If there is the same label information, "CMP" will be displayed.

7: Sound

Move the "arrow" cursor to the "Buzzer" menu and select and confirm the switching on or off of the sound function by pressing the "<" ">" and "SCAN" keys. Press the "<", ">" and "SCAN" keys to select and confirm the switching on or off of the sound function.

Vibration setting: The device can choose to turn on or off the vibration feedback when the device reads the tag.

8: Delete

Move the "arrow" cursor to the "Delete Data" menu and press "SCAN" three times to delete all data in the memory.

(Note: After deleting the data, the data can not be recovered, please operate with caution.)

9: System information

Move the "arrow" cursor to the "Version" menu and press the "SCAN" key to find out the current model, version and Bluetooth name of the device.

10: Card reading

Select and confirm the continuous or single reading function by pressing the "<" ">" and "SCAN" keys. For single reading, you need to press "SCAN" key to continue scanning every time you scan the label, while continuous reading is to read the label continuously and automatically, and press "<" ">" or "BCAK" key when you scan the label. When the label is scanned, press "<", ">" or "BCAK" key to exit.)

11: Bluetooth

Move the "arrow" cursor to the "Bluetooth" menu and select and confirm the Bluetooth function by pressing the "<", ">" and "SCAN" keys. Press "<" ">" and "SCAN" to select and confirm the Bluetooth function on or off.

Bluetooth Mode: It can be switched between two modes: HID analogue keyboard and serial communication SPP:

In HID mode, the device name under scanning of mobile phone and other terminal devices is "A02-HID".

In SPP mode, the device name under the scanning of mobile phones and other terminal devices is "A02-SPP".

(Note: Between switching modes, turn off Bluetooth first, then switch, then turn on Bluetooth, otherwise there may be a problem of not searching for the device, after connecting successfully, every time the handheld reads the information, it will send the current tag ID number to the relevant Bluetooth device via Bluetooth.)

12: Switch off

Delay Setting: The delay time can be selected from 2, 3, 5, 10, 20, 30 minutes;

Move the "arrow" cursor to the "Switch off" menu and press "SCAN" to switch off the power of the handheld.

13: Ex-factory

Move the "arrow" cursor to the "Restore Factory Settings" menu and press the "SCAN" key, the device will restore all factory settings.

(Note: This function is convenient for customers to enable in the case of "fuzzy" settings, after enabling to restore the factory settings of the device, it will not delete the data stored in the device).

IV.Data Transfer Management

The handheld comes with a USB interface, with a USB cable to connect the reader with the computer, through the database management software can be achieved by storing the amount of information query, data copy, data deletion and system time setting operations.

The screenshot shows a handheld device screen with a blue header bar containing five tabs: "Reader Car", "Setting", "Infomation", "About", and "Connet Dev". The "Reader Car" tab is selected and highlighted. Below the tabs is a large table with columns labeled "Num", "Type", "Mark", "SaveTimer", and "Card". The table is currently empty. To the right of the table is a sidebar with several sections of controls:

- Reader Card**: Includes a "NumberQueries" button, a display showing "0", a "Reader Card" button, "Start:" and "End:" labels with input fields showing "0" and "1" respectively, a "ReadRange" button, and a "DeletaData" button.
- contrast**: Includes a "NumberQueries" button, a display showing "0", a "Download" button, a "Reader" button, and a "delete" button.
- file**: Includes a "SaveFile" button and an "OpenFile" button.

Connected devices: Click on it to switch the connection or disconnection status between the device and the PC software, the red font status is disconnection status, the green font status is connection status.

The red font status is the disconnected status, and the green font status is the connected status.

(Card Reading) Query Quantity: When clicked, the display box below this

button will show the number of tags currently stored in the device. number of tags stored in the current device.

Card reading: Display the tag information stored by the device in the text box of the host computer software.

Read Range: Input the value of the data range to be found in the start and end boxes, click this button and the Clicking this button will display the tag information within this range in the text box of the host computer software.

Delete Data: Clears all tag information stored by the device (Note: information will not be recoverable after it is cleared).

(Comparison) Query Quantity: When clicked, it will display the quantity of comparison data currently stored in the device in the display box below the button.

Download: Download the data in the text box of the upper computer software to the device as comparison data.

Read: Display the comparison data stored by the device in the text box of the upper computer software.

Delete: Clears the comparison data stored by the device (Note: the information will not be recoverable after it is cleared).

Save File: Save the data in the text box of the upper computer software to an Excel spreadsheet.

Open File: Displays the data from the Excel file in the text box of the host computer software.

Progress Bar: The host computer software will have a progress bar to show the progress of the operation when reading the device data and downloading the comparison file to the device.

Language: You can modify the display text language of the upper computer software.

Analog keyboard: USB analog keyboard function.

Setting: Click this button to synchronize to the device after selecting the status of the relevant function in the upper computer software.

Read/Read Settings: Reads the current switch or mode status of the relevant function of the device.

Restore Factory Settings: All relevant functions above this button can be restored to the factory state.

Setting the time: Synchronize the time of the device with the computer time.

Bluetooth MAC: Bluetooth MAC is unique and only supports reading, not modifying.

Bluetooth name: Support online modification of the device's Bluetooth name (only support English characters, special characters support "-", "_", ".", Other characters are not supported).

Reader Car	Setting	Information	About	Connet Dev
Manufacturers: Setting Reader				
Model: Setting Reader				
Firmware version: Setting Reader				
Date of manufacture: Setting Reader				

Read: You can read the "Manufacturer, Model, Firmware Version, Factory Date" information displayed in the current system information function of the device.

Settings: Modify the "Manufacturer, Model, Firmware Version, Factory Date" displayed in the system information function of the device to the data in the display box (only English characters are supported, and special characters are supported as "-", "_", ".", Other characters are not supported).

V. Precautions

1. This product is an electronic product and is transported and stored in accordance with conventional electrical equipment.
2. Avoid dropping or impacting the reader from high places.
3. Do not place the reader in a hot, humid or corrosive environment.
4. Do not open the reader case by non-professionals.
5. Please use the data cable provided for online operation.
6. Try not to disassemble the battery back cover frequently.

VI. Packing List

NO.	Name
1	Stick Reader Devices
2	USB cable
3	Charging Plug

VII. Product Warranty Description

1. Since the date of your purchase of the product, due to the quality of our products itself within one year of free maintenance.

2. Non-product quality of the company's products due to the user's improper use, unauthorized alteration of equipment, additional connections, operational errors and other human factors caused by equipment damage and the need for repair or replacement depending on the user to bear the cost of the relevant maintenance and transportation.

VIII. Release Notes

Imprint	
version number	V1.0.0
update time	2023.3.17