



# BioTrace SG001 Microchip Reader Owner's Manual

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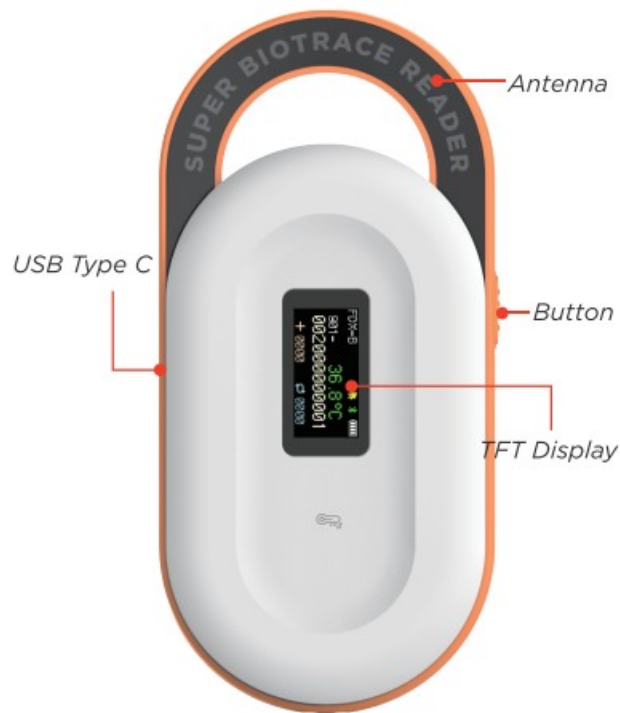
## **BioTrace** SG001 Microchip Reader Owner's

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### Overview

This device is mainly used to read animal micro-chips and display the corresponding iso ID on the TFT screen, save the information of the tags, and plot the temperature curve for the corresponding temperature of the iso number. The device can read all animal tags based on the FDX-B protocol.



### FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on the user is encouraged to try to correct the interference by one or more of the following measures

Reorient or relocate the receiving antenna

increase the separation between the equipment and receiver

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Operating Instructions

#### 1. Button Operation Logic

Single-click button: to validate (eg, on the scan menu single-click the button to validate the entry of scanning)

Double-click button: scroll pagereg on the scan menu, double-click the button to scroll to the record menu

Note: Same level page scrolling, no cross-level page scrolling. On the screen this icon 🔄 means can be scrolled to next page.

To press the button for 2s, to return.

#### 2. To Switch on

To press the button for 0.5-1s to switch on the reader, you will see Biotrace logo and the buzzer will beeps once.

The BioTrace logo is displayed in a white rectangular box. The word "BioTrace" is in a bold, sans-serif font, with "Bio" in red and "Trace" in black.

### 3. To Switch off

To press the button for 3s until the display shows the shutdown countdown icon, keep pressing until the display switch off and the buzzer beeps twice.

(Note if you release the button during the shutdown count down will cancel the shutdown and return to the previous menu records per page, and single press the button scrolling to the next page.

On UPLOAD sub-menu, press the button to upload the stored transponder IDs. Before the uploading, please make sure the reader is connected to the pc or the smart phone APP.

On DELETE sub-menu, to press the button will display 'click again to delete', to press the button again to delete all records, the screen will show 'delete success!'

On the 'click again to delete page, double-click or long press the button for 2 seconds to cancel the delete and return to the previous menu.

### C-SCAN

The continuous scan will display two functions, continuous scan and the microchip ID.



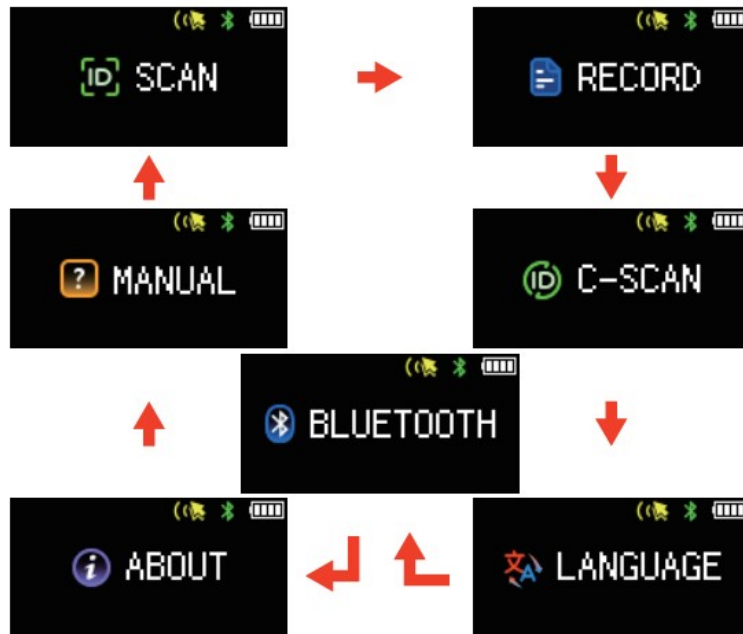
On the continuous scan page, single-click the button to start the continuous scanning, and the display will show CONTINUOUS SCAN. When the transponder is scanned, the reader will emit a



Automatic Switch off: The reader will switch itself off automatically in two minutes without any operation to save battery power.

### Functions

The reader has a built-in gravity sensor for the screen to rotate. When the screen is tilted horizontally more than 45° the screen will automatically rotate to maintain the optimal angle for the human eye.



beep sound and display the microchip ID on the display.

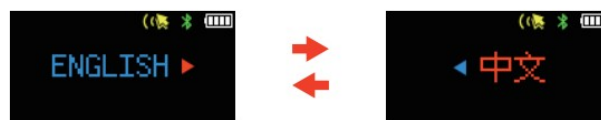
On continuous scanning, the reader reads. transponder automatically and continuously.

Pressing the button 2s for stopping the continuous scan.

**NOTE:** There is no automatic shutdown function while continuous scanning is turned on.

#### LANGUAGE

The languages available are: English and Chinese



On LANGUAGE menu, to press the button for setting languages.

On ENGLISH sub-menu, Double-click the button to scroll the languages, and single-press the button to set the selected language and displays 'OK!'

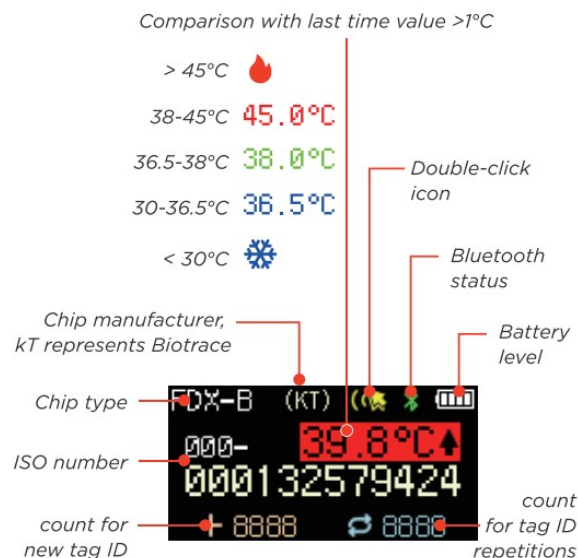
#### BLUETOOTH

On bluetooth menu, to pressing the button once to turn on/off the bluetooth, It connects with

The reader has 7 main menus, there are SCAN, RECORD, C-SCAN, LANGUAGE, BLUETOOTH, ABOUT and MANUAL, Double-Click the button to navigate through each menu.

#### SCAN

The SCAN menu has 3 states (Scanning, Chip information display, Tag no found). Below image is the example of the chip information display.



On SCAN menu to press button to start chip reading for 10 seconds. A transponder is detected, the reader emits a 'beep' and displays the chip information for APP for firmware upgrading/record data exporting, etc.



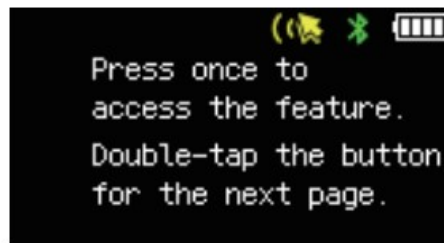
## ABOUT

On ABOUT menu, Press the button to check the reader firmware version.



## MANNUAL

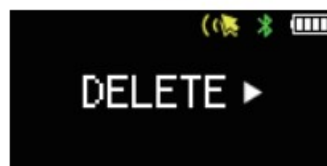
On MANNUAL menu, Press the button to enter the mannual page, And on the Mannual page, double-click the button to scroll to next page,



mation as the above image shows. If no transponder is detected after 10 seconds, the screen will display 'NO FOUND'. This message will be erased and restart the scanning after another press of the button.

## RECORD

The RECORD menu has 3 sub-menus, there are: DISPLAY, UPLOAD, DELETE.



On RECORD menu, press the button to enter the sub-menu, on the sub-menu, double-click to navigate the sub-menu from DISPLAY, UPLOAD to DELETE.

On DISPLAY sub-menu, press the button to display the stored tranponder IDs. Displaying 5

## Specifications

Item	Description
Product Name	Microchip Reader
Standard	IS011784/85(FDX-B)
Reading distance	12cm a 2.12-12mm glass tag
Frequency	134.2 KHz
Size	120'5715mm
Weight	60g
Power supply	400mAh/3.7v ' 2
Operating temperature	0-40°C
Language	ENGLISH
Connector	USB Type C

## Precaution

- Please read the manual carefully before switch- ing on and using the reader;
- Please keep reader fully charged to prevent over-discharge of the battery;
- Reader has built-in lithium batteries, do not disassemble it privately, Stay out of the heat and away from fire
- Do not expose to the sun, Rainproof, waterproof area placement.

# BioTrace

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## Documents / Resources

	<a href="#">BioTrace SG001 Microchip Reader</a> [pdf] Owner's Manual 2BFQ7-SG001, 2BFQ7SG001, sg001, SG001 Microchip Reader, SG001, Microchip Reader, Reader
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## References

- [User Manual](#)

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