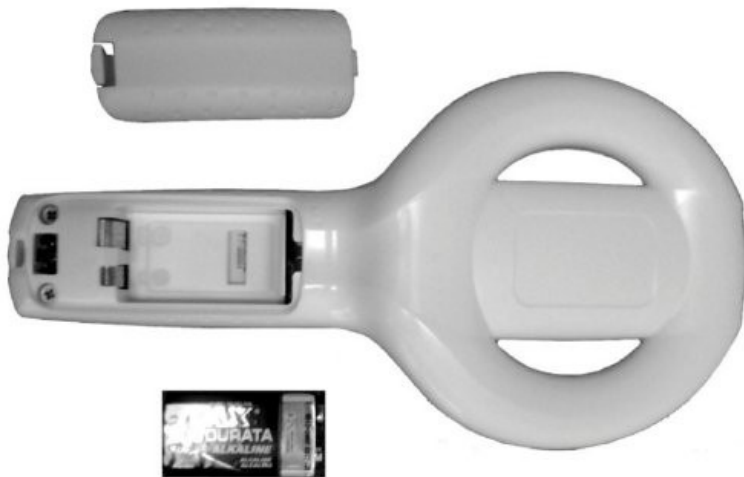


# *I-Read*

## OPERATION MANUAL







#### Removable parts

- Reader
- Cover
- Battery
- USB → mini USB cable



1. Insert the battery paying attention to polarity.
2. Make sure that the battery is placed in the right position, and close the battery cover.



To turn on / off the reader, press the ON / OFF button.





### "Firmware - Bootloader"

On the screen appears for 5 second the version of the software, the Bootloader and the serial number.



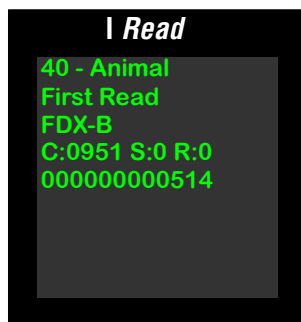
Initial screen personalized with the logo which is customizable.

On the display appear the battery level and memory usage as default.



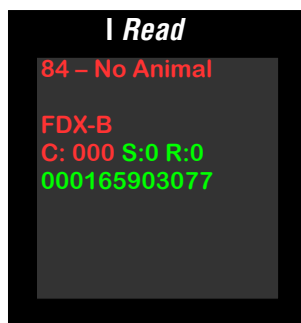
In order to carry out the reading of the transponder, press the key "Scan". Two red LED flash alternatively. When the transponder is read the buzzer emits a warning sound.





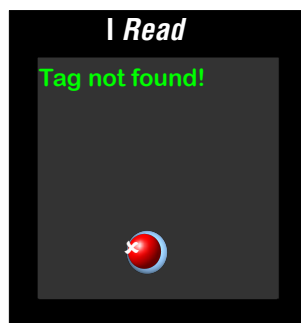
On the screen appears:

- Category (Animal), beside Animal/No animal, appears a number indicating position in memory occupied from the code
- Type of transponders (HDX / FDX-B)
- C: (Country)
- S: (Species)
- R: (Retagging)
- Code



If you read a transponder not usable for animals, the screen shows "No Animals" in red color.

If you read a transponder not usable for animals, and is selected the **MODE 6** "Only animals," appears on the screen in red, "This is not an animal tag".



If no Transponder was read, in "Full Power" mode after 14 sec. Appears "Tag not found".





Press this key to enter the setup menu of functions and change the default setting.

#### DEFAULT

- 1● Last Scans Scroll
- 2● Switch ON REC →
- 3● Erase Memory
- 4● Memory Report
- 5● Full Power →
- 6● Only animal →
- 7● Double ON →

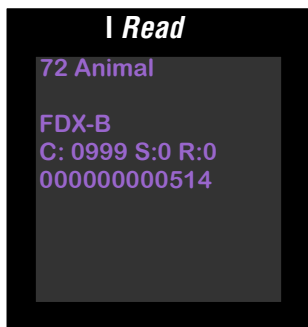
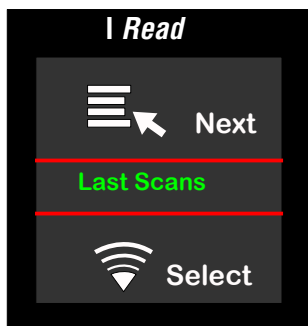
#### CUSTOM CHANGE

OFF REC  
  
Energy Save  
All codes  
OFF

#### DEFAULT FUNCTIONS





x 1




#### FUNCTION 1

**"Last scan", allows to visualize and scroll the code read.**

By pressing the selection button  of the menu one time, it will be displayed the function "Last Scans".

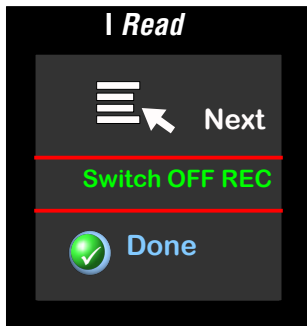
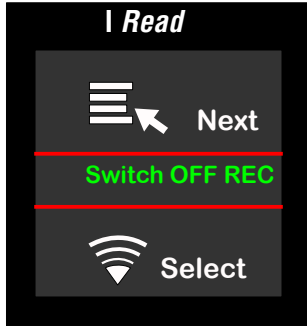
Pressing the reading key , if there are no readings, returns to the initial vision.

To read the latest recording, enter the function "Last Scan", press "Select", last reading appear in purple to indicate that this is a historical reading and not real. Scroll to see others codes by press the menu button .

## DEFAULT FUNCTIONS



x 2





## CUSTOM SETTING

### FUNCTION 2

"Switch ON REC", allows to save all the readings done, max 2048 codes.

"Switch OFF REC", no code is stored in the memory.

By pressing the selection button  of menu two time, the function "Switch OFF REC" appear on the screen.

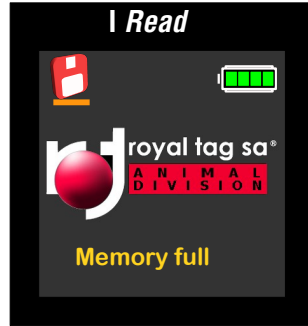
Pressing the reading key , will confirm the change.

As confirmation an image appears and the written Done.



On the initial screen disappears the icon with a Floppy-Disk symbol. Codes are not saved.

Repeat the entire process, to restore the REC memory function.



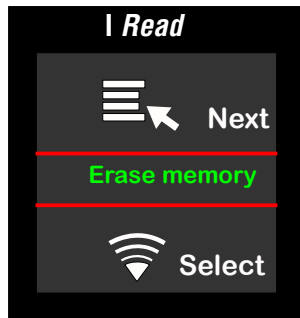
Under the disc icon, the filling rate of the memory, is graphical expressed with a progress bar.

By every reading, the code comes recorded in rows releasable through PC. The memory has capacity of 2048 codes.

When the memory is filled up, the indication "Press scan" of the main shielded is replaced from the indication "Memory full". However the I-Read continuous to read regularly, but will not store more code till the memory emptying.




x 3



### FUNCTION 3

**"Erase memory", deletes all previously stored codes.**

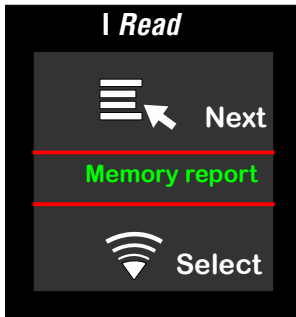
By pressing the selection button  of menu tree time, it will be displayed the function "Erase memory"

As confirmation an image appears and the written "Erase memory" and the symbol Done.







x 4



#### FUNCTION 4

“Memory report”, shows the data collected and the free memory space.

By pressing the selection button  of menu four time, it will be displayed the function “Memory report”

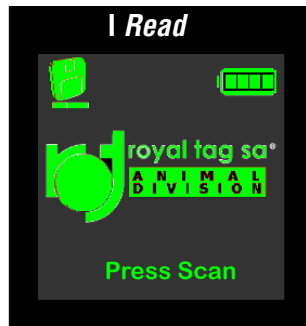
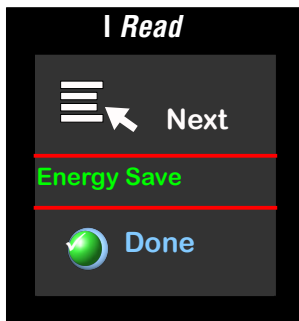
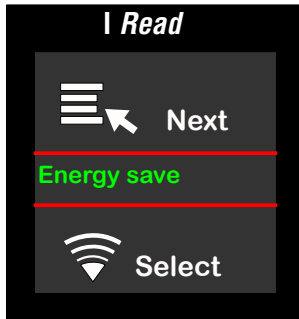
Pressing the reading key , will get the information, and on the screen appear tree script:  
Total number of storage capacity ( ID)  
Used ID  
Free ID

## DEFAULT FUNCTIONS

## CUSTOM SETTING





x 5



### FUNCTION 5

**“Full Power”, view in high quality using bottom graphics screen color.**  
**“Energy save”, switch to monochrome display with a considerable saving battery.**

By pressing the selection button  of menu five time, it will appear the function “Energy save”

Pressing the reading button , for apply the change.


As confirmation an image appears and the written Done.




The screen switches to monochrome.

At the start you have the monochrome vision.

To exit the function “Energy save”, repeat the procedure.

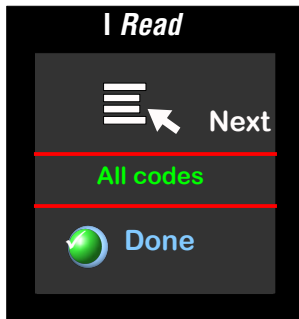
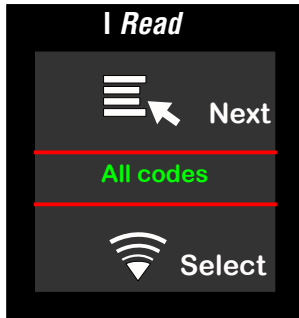
Pressing the select button  five times, the menu will display the function “Full Power”

Pressing the reading button , for apply the change.

## DEFAULT FUNCTIONS




x 6




## CUSTOM SETTING

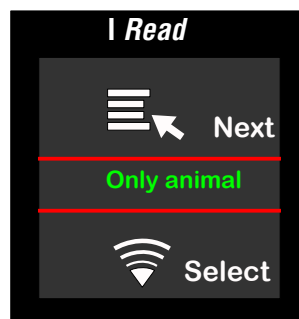
### FUNCTION 6



"Only animals," shows only the codes programmed for animals (BIT 1 = 1).  
"All codes", reads all the consistent codes to standard ISO 11784 / 5.

By pressing the selection button  of menu six time, it will appear the function "All codes"

Pressing the reading button , for apply the change, and pass to the function "All codes".

As confirmation an image appears and the written Done.

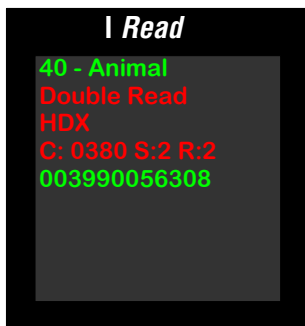
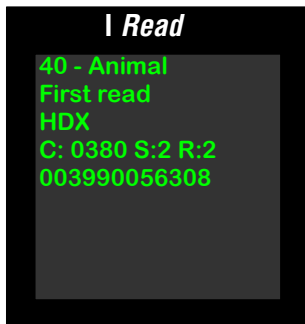
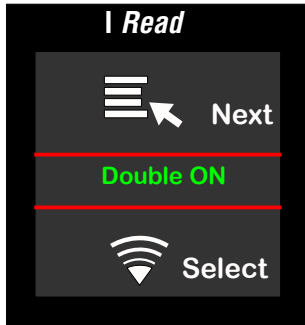


In order to exit from the function "All codes", repeat the procedure.  
Press the push-button  of selection of the menu six times, will be visualized the function "Only animal".  
Press the reading key , will confirm the change.

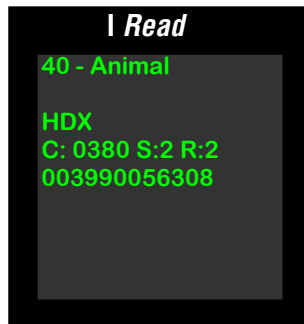
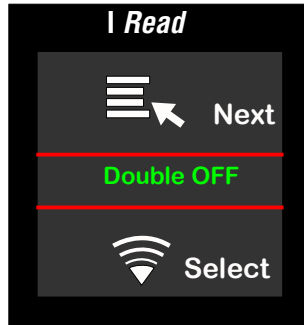
## DEFAULT FUNCTIONS



x 7





## CUSTOM SETTING



## FUNCTION 7

"Double ON", selected enable to separate all the double readings and are not saved. "Double OFF", if selected, all the readings are saved.

Press the selection button  seven times, to visualize the function "Double OFF".

Press the reading key , the change is carried out and it is passed to the setting "Double OFF", (Double disabled). By the reading on the screen doesn't appear First or Double Read.

As confirmation an image appears and the written Done.



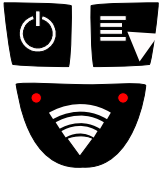
If "Double OFF" is set up, and the tag it is read, it does not visualize "First Read" or "Double read".

If double ON is enabled, on the screen appear tree script:  
Double Read in red.

To exit the previously setting repeat the procedure.



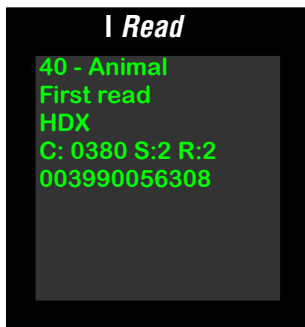
Battery charge level indicator.



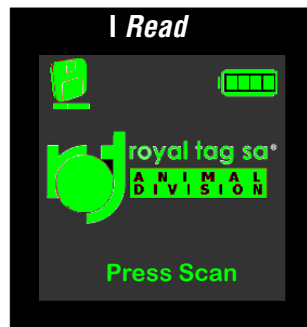
Keyboard



Auto shutdown is set to 60 seconds.



Since the switching On, or after performing a reading, after 20 sec. from read, the code disappears and returns to the screen with the logo.  
After 40 seconds, the reader turns off automatically.

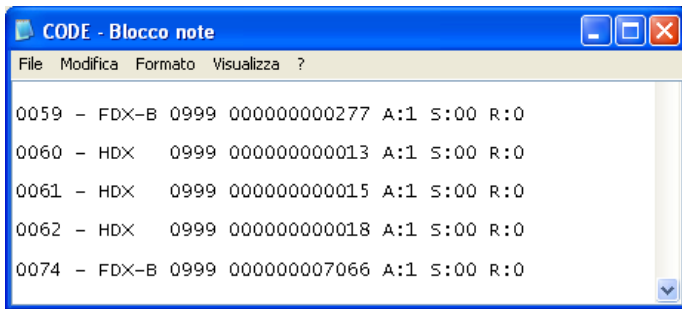


In the "Energy Save", the auto power off is set to 20 sec.



## USB Plug and Play

By connecting the USB cable to your PC, it automatically displays the text file with the read codes.



## IDs File

The text format, allows the export of the codes for storage in the database.





**I-Read**

50.549.0210.0.0

FCC ID:Y722011001

## CE Declaration of conformity

Application of Council Directive: 73/23/EEC on the harmonization of the laws related to Member States relating to electrical equipment designed for use within certain voltage limits, as amended by: Council Directive 93/68/EEC and Council Directive 89/336/EEC on the approximation of the laws related to Member States relating to electromagnetic compatibility, as amended by: Council Directive 93/68/EEC. To request a copy of the certificate of registration, please contact: [contact@royal-tag.com](mailto:contact@royal-tag.com)

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.



## CAUTION

### NO MODIFICATION!

An intentional or unintentional changes or modifications not expressly approved by Royal Tag SA, party responsible for compliance, could void the user's authority granted under Federal Communications Commission rules permitting the operation of this device.

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

**NOTE:** 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.

IC:9508A-2011001

This Class [B] digital apparatus complies with Canadian ICES-003.

**Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.**

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes :**

- (1) il ne doit pas produire de brouillage, et
- (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

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