Antenna

Scanning button

Bluetooth® On/Off
(Optional)

GLOBAL-IDENT™
Global-Scan™

Animal implanted microchip scanner

Global-Scan™ GS 110

USER MANUAL

Introduction

Congratulations, you are now the owner of a Global-Scan™. This reader can read all microchip implants of the type FDX-B, HDX and FDX-A widely used intended to pet's identification.
As you can see the product is easy to use.

Language choice

Hold the Global-Scan™ and press (more than 5 seconds) the scanning button, located on the left side of the reader. The reader will display successively different languages, English, Français, Español, Italiano, Portugues, Deutsch, Polski. For additional information, refer to the paragraph "Setting the scanner configuration for the first time".

Reading a transponder

Switch on the reader by pressing the scanning button (about 1 second). After shortly displaying the language chosen by the user, the following message will be displayed on the LCD screen:

```
Press SCAN to
read
```

By pressing the scanning button another time the reader will start searching for a microchip. The following message will be displayed on the LCD screen:

```
Reading
```

Keep the reader in your hand and bring the reader's antenna near the

animal's body. Scan slowly the area where a microchip is expected to be found while keeping the reader for a few centimetres distance from the animal's skin. The reader will be scanning for about 20 seconds. Once the reader has finished searching, two situations can arise:

- First case:

If a microchip has been found then the reader will « beep » and the unique identification number will be displayed:

```
Tag    :    FDXB
978 000001226350
```

In the above example, the reader indicates that the found chip is ofFDX-B type.

The identification number will remain displayed on the LCD screen for about 2 minutes before the reader switches off automatically. While displaying, a new press on the scanning button re-activates reading.
Warning: once the reader is switch off, it will not be possible to display the last identification number read again.

- Second case:

If no microchip has been found after 20 seconds, the reader will beep three times and the following message will be displayed on the

```
No tag
found !
```

screen:
If this situation arises, try finding the microchip again. To do so you must

re-activate the reader by pressing the button. Scan the possible microchip implantation area with as a large sweeping movement as possible. If necessary, repeat the operation after having re-activated the reader again.

Replacing the battery

Only use 9V alkaline batteries or rechargeable batteries of PP3 type. If the battery is running low the reader will beep twice and will display regularly the following message:

```
Low
battery !
```

When the battery is too low the reader displays this message and switches off immediately. To replace the battery, open the battery compartment located under the reader and replace the old battery with a new one. Close the battery compartment and check that the locking mechanism is in place.

Bluetooth (optional)

Bluetooth feature allows wireless communication with a host peripheral (PC, PDA…).
Internal Bluetooth module can be de-activated by pushing up the Bluetooth On/Off button. This position is recommended to save battery life.

Technical specifications

Standards: ISO 11784 / 11785

Dimensions: L x W x H 15x8x3.5cm

Weight: 155 grams / 5.5 ounces (Incl. battery)

Power: standard 9 Volts PP3 alkaline battery or PP3 rechargeable NiMH battery

Serial link: RS232 9600/N/8/1 (Tx only)

Reading distances (depending on microchip manufacturer):

FDX-B: up to 10 cm / 4 inches
FDX-A: up to 5 cm / 2 inches
HDX: up to 20 cm / 7.8 inches (ear tag)

Options: Bluetooth (10m)

Temperature:
Temperature range: -10°C to + 55°C

Designed in France
Made in China

This Global-Scan™ GS110 product is in compliance with the essential requirements of R&TTE Directive 1999/5/EC. A copy of the declaration of Conformity can be found at: http://www.global-ident.fr

CE

Bluetooth is a registered trademark of Bluetooth SIG, Inc.

About Global-Scan™ features

Message displays are available in English – Français – Español – Italiano – Portugues – Deutsch – Polski.
There is the possibility of recording up to 800 previously-read transponder numbers in the scanner memory.
Global-Scan™ can read transponders of the following types: FDX-B (ex: Hitag, Zodiac…), FDX-A (Destron, Avid, FECAVA), HDX(ex: Tiris).
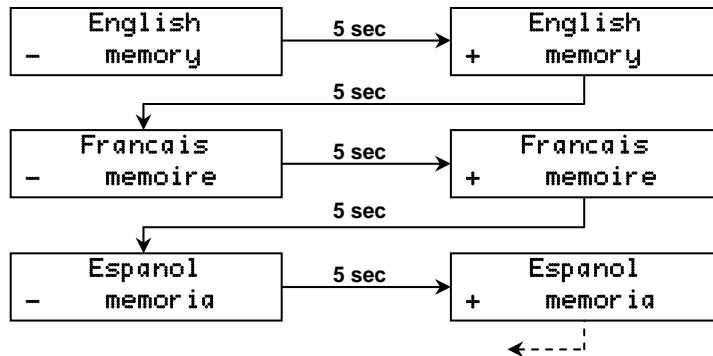*Global-Scan™* has a unidirectional serial link of the type RS 232 (TX only).

Setting the scanner configuration for the first time

You have just acquired the *Global-Scan™*, but before using it, you must configure it to fit perfectly to your requirements.

Press **continuously** during 5 seconds on the scanning button located on the left side of the scanner.
The following messages are successively displayed:

```
  English              5 sec        English
–   memory            ───────►    +   memory

                  5 sec

  Francais             5 sec        Francais
–   memoire           ───────►    +   memoire

                  5 sec

  Espanol              5 sec        Espanol
–   memoria           ───────►    +   memoria

                                 ◄─────
```

   And so on one after the other:
   English – Français – Español – Italiano – Portugues – Deutsch – Polski

The sign **–** means, the memory function is not activated.
The sign **+** means, the memory function is activated.

When language and operating mode chosen are displayed, release the scanning button. *Global-Scan™* will "beep" indicating that it is configured and ready to read.

Note:
1.   The configuration is recorded into the reader memory. Consequently, each time it is switched on, the language and operating mode (with or without memory) will be saved.
2.   Be careful when switching on not to press for more than 2 seconds on the scanning button. This risks entering the configuration menu.

Changing the configuration

To change the configuration, switch off the scanner if necessary and switch on by keeping the scanning button pressed down until the desired configuration is displayed.
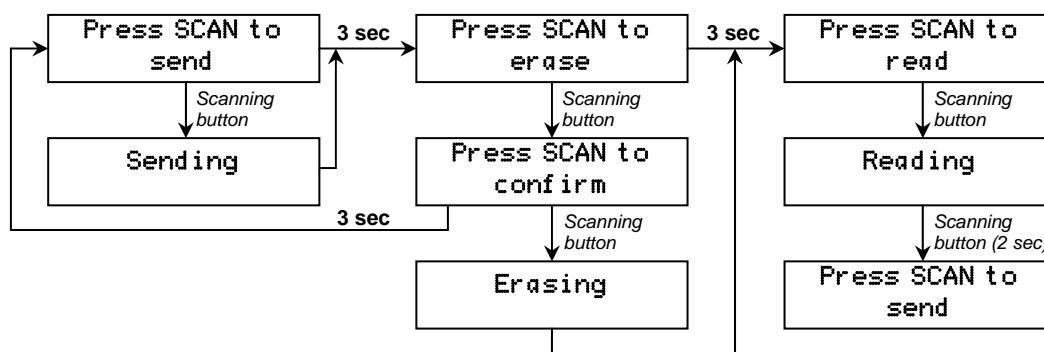
Global-Scan™ switch-off

The *Global-Scan™* is programmed to automatically switch off after 2 minutes if the scanning button has not been pressed. It is possible to switch off the reader by pressing continuously the scanning button when an identification number or "no tag found" is displayed.

Using the "memory" function

A scanner configured beforehand in operating mode *"+ memory"* will record the scanned transponder numbers (800 identification numbers maximum)
To transmit the contents of its memory:
   –   If the scanner is off: switched on the reader; the display will successively show the menu below
   –   If the scanner is already on: press shortly the scanning button and, during the transponder-reading phase, press continuously on the scanning button during 2 seconds. The following menu will be displayed:

```
┌─► Press SCAN to    3 sec   Press SCAN to   3 sec   Press SCAN to
│      send        ───────►     erase      ───────►     read
│     │Scanning                 │Scanning               │Scanning
│     ▼ button                  ▼ button                ▼ button
│    Sending                Press SCAN to            Reading
│      │                       confirm                 │
│      │                        │Scanning              │Scanning
└──────┘      3 sec             ▼ button               ▼ button (2 sec)
                            Erasing              Press SCAN to
                                                    send
```

Caution: Do not forget to erase the memory after sending phase.

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