SWISS TIMING

SWIMMING

PROGRAMMER AQ

User's Manual

3480.501.02

Version 1.1

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Caution and safety precautions

- Never use any other charger than the supplied or a type approved by Swiss Timing. This could destroy the battery, cause damage to unit, and possible cause personal injury due to fire or/and electrical shock.
- Never bypass a power cord ground lead by breaking off the ground pin, or by using inappropriate extension cords or adapters.
- Never plug a power cord into the AC power source until you have made sure that all installation, cabling and power levels, are proper, and that the applicable procedures in this manual have been followed.
- Protect the equipment against splashing, rain and excessive sun rays.
- Never use the device if it is damaged or insecure.
- Verify the selection of the power distribution.
- Verify that the voltage quoted on the rating plate is the same as your voltage. Connect the appliance only to power sockets with protective earth. The use of incorrect connection voids warranty.
- This program may be modified at any time without prior notification.
- Do not open the case; there is nothing that needs servicing inside it. Nevertheless, if the case must be opened, you must call for some qualified personnel. The power supply cable must be disconnected before opening the case.
- During the transport of all Swiss Timing equipment delivered with a reusable carry case, the said case should be used at all times. This is imperative to limit the damage, such as shocks or vibration that can be caused to the units during transport.
- The same cases should also be used when returning equipment to Swiss Timing for repair. Swiss Timing reserves the right to refuse all guarantees if this condition is not fulfilled.
- If the installation includes a horn, be sure to maintain a sufficient security distance from the public.

Documentation Updates

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Environment

This symbol indicates that this product should not be disposed with household waste. It has to be returned to a local authorized collection system. By following this procedure you will contribute to the protection of the environment and human health. The recycling of the materials will help to conserve natural resources.

TABLE OF CONTENTS

1   INTRODUCTION

1.1   Concept

The purpose of the programmer is to codify or read the water lanes on the ODB10-SW circuits or Quantum mobile harness.
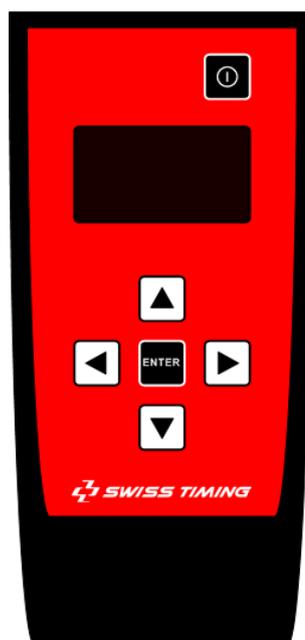
1.2   General view

Figure 1 – RFID Programmer

Key	Description
⏻	The power on key switch on the programmer
ENTER	The Enter key confirms the input
▲	The Up key used to go up in the menu
◄	The Left key used to go left in the menu
▼	The Down key used to go down in the menu
►	The Right key used to go right in the menu

3480.921   Set of Primary harness programmer with a Primary mobile harness
3480.922   Set of Primary & Secondary harness programmer with a PRY & SDY mobile harness

2 INSTALLATION

2.1 Batteries installation

Pull out the lever and remove the cover as below.

Figure 2 – Batteries cover's removal

The batteries box is located in the back of the programmer and you need 2x AA or UM-3 1.5 volts batteries.

Figure 3 – Batteries box

3   GETTING STARTED

3.1   Power up

Turn on the unit by pressing ⊙

The home screen shows the name of the unit and the version.

Figure 4 – Home screen at power up

3.2   Main menu

You can access the *Turn OFF*, *Read ADD*, *Write ADD* and *Read vers.* functions by pressing ENTER
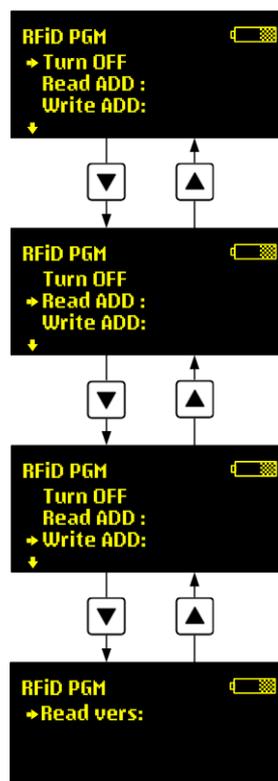The battery level appears at the top right menu.

Figure 5 – Main menu

3.2.1 Turn off

This function allows switching off the programmer.

1) Select the function " Turn OFF" by pressing ▼ or ▲ and press ENTER

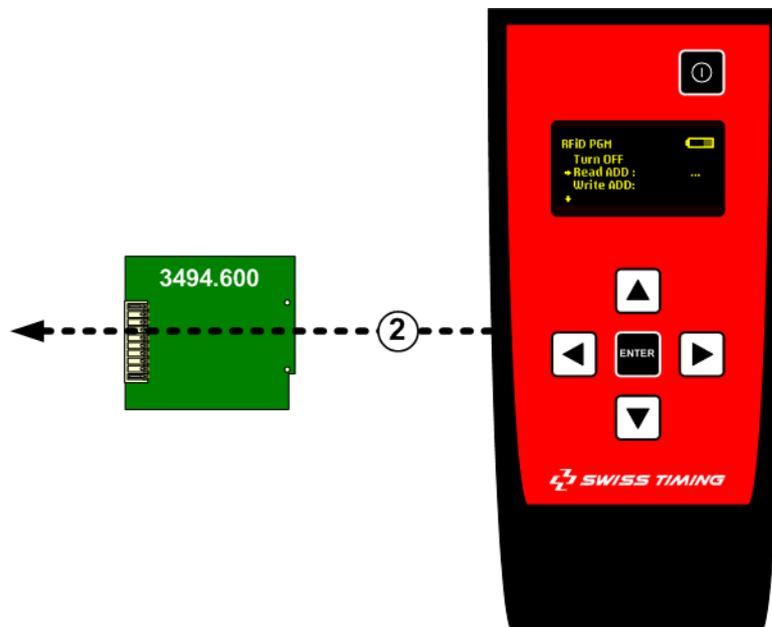💡 After 1 minute of inactivity, the programmer switching off automatically.

3.2.2 ODB10-SW circuits / Read ADD

This function allows reading the number of the water lane inside the ODB10-SW circuits.

1) Select the function " Read ADD" by pressing ▼ or ▲ and press ENTER

2) Pass over the ODB10-SW circuit.

⚠ **THE DISTANCE BETWEEN THE MODULE & THE PRG SHOULD NOT EXCEED 1 CM**

3) The water lane must be appears as below.

3.2.3 ODB10-SW circuits / Write ADD

This function allows writing the number of the water lane inside the ODB10-SW circuits.
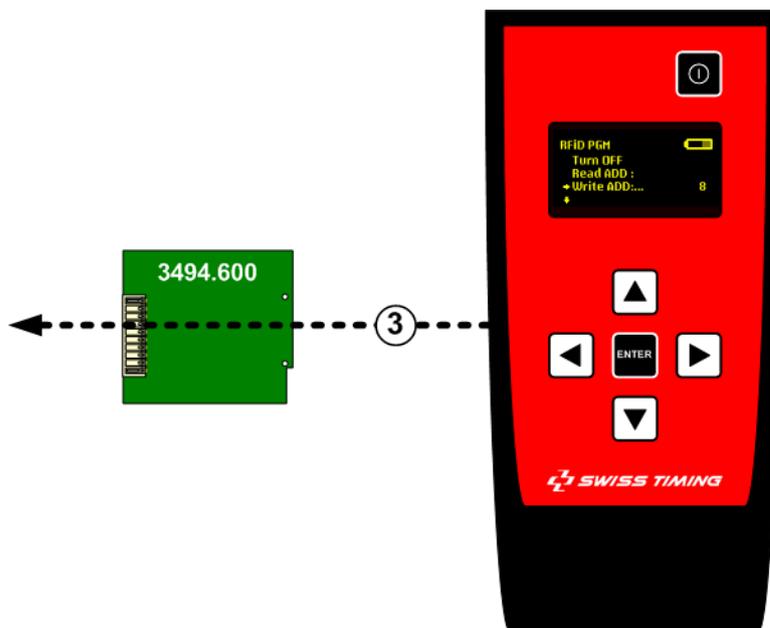
1) Select the function " Write ADD" by pressing ▼ or ▲ and press ENTER

2) Select the desired water lane by pressing ▼ or ▲ and press ENTER

3) Pass over the ODB10-SW circuit.

⚠ **THE DISTANCE BETWEEN THE MODULE & THE PRG SHOULD NOT EXCEED 1 CM**

4) The message OK must be appears as below.

3.2.4 Quantum mobile harness (PRY or PRY & SDY) / Read ADD

This function allows reading the number of the water lane inside the Quantum mobile harness.

1) Select the function " Read ADD" by pressing ▼ or ▲ and press ENTER

```
RFiD PGM        ▭▭
  Turn OFF
➜Read ADD :
  Write ADD:
↓
```

2) Positioning the programmer on the antenna logo ((•)) of the Quantum mobile harness.

⚠ **THE DISTANCE BETWEEN THE MODULE & THE PRG SHOULD NOT EXCEED 1 CM**

3) The water lane must be appears as below.

```
RFiD PGM        ▭▭
  Turn OFF
➜Read ADD :        8
  Write ADD:
↓
```
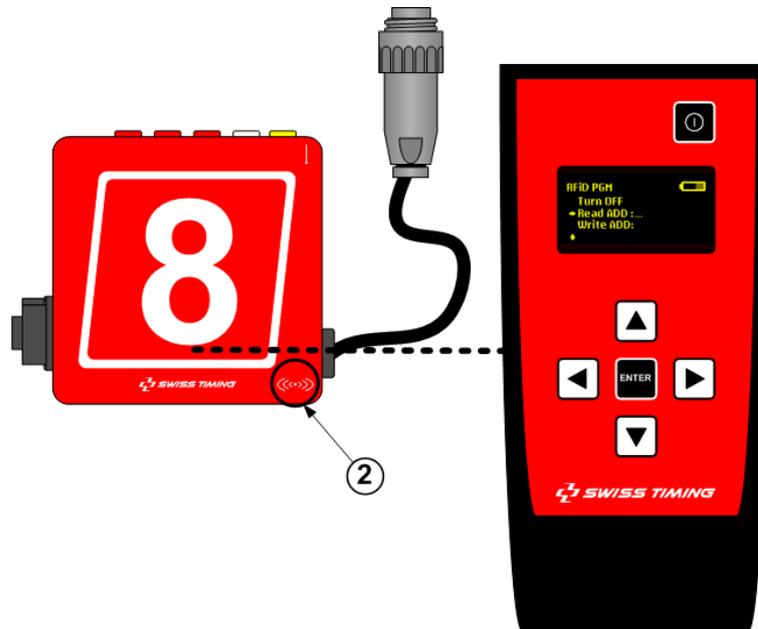
3.2.5   Quantum mobile harness (PRY) / Write ADD

This function allows writing the number of the water lane inside the Quantum mobile harness.

1) Select the function " Write ADD" by pressing [▼] or [▲] and press [ENTER]

> RFiD PGM
> Turn OFF
> Read ADD :
> → Write ADD:

2) Select the desired water lane by pressing [▼] or [▲] and press [ENTER]

> RFiD PGM
> Turn OFF
> Read ADD :
> → Write ADD: 8

3) Positioning the programmer on the antenna logo ((•)) of the Quantum mobile harness.

⚠ **THE DISTANCE BETWEEN THE MODULE & THE PRG SHOULD NOT EXCEED 1 CM**

4) The message OK must be appears as below.

> RFiD PGM
> Turn OFF
> Read ADD :
> → Write ADD:OK   8

5) Check in the software that the mobile harness appears in the corrected lane.

3.2.6 Quantum mobile harness (PRY & SDY) / Write ADD

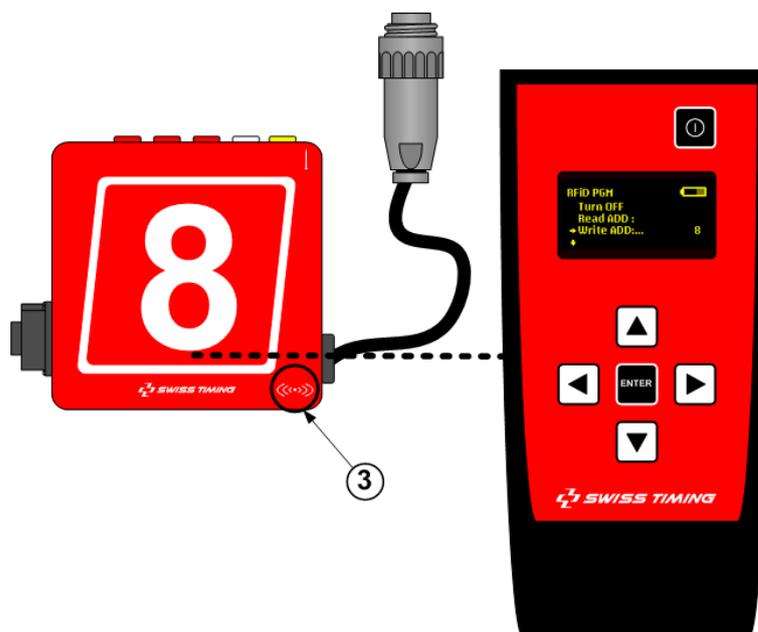This function allows writing the number of the water lane inside the Quantum mobile harness.

The Quantum mobile harness must be connected to the Quantum AQ (HA1 & HA2).

1) Unselect the mobile harness (HA1) in the swimming software to be able to write on HA2.

2) Select the function " Write ADD" by pressing [▼] or [▲] and press [ENTER]


```
RFiD PGM          [▯]
  Turn OFF
  Read ADD :
→ Write ADD:
↓
```

3) Select the desired water lane by pressing [▼] or [▲] and press [►]


```
RFiD PGM          [▯]
  Turn OFF
  Read ADD :
→ Write ADD:       8
↓
```

4) Press [▲] , a star will appears near the desired water lane and press [ENTER]


```
RFiD PGM          [▯]
  Turn OFF
  Read ADD :
→ Write ADD:       8±
↓
```

5) Positioning the programmer on the antenna logo 〔((•))〕 of the Quantum mobile harness.
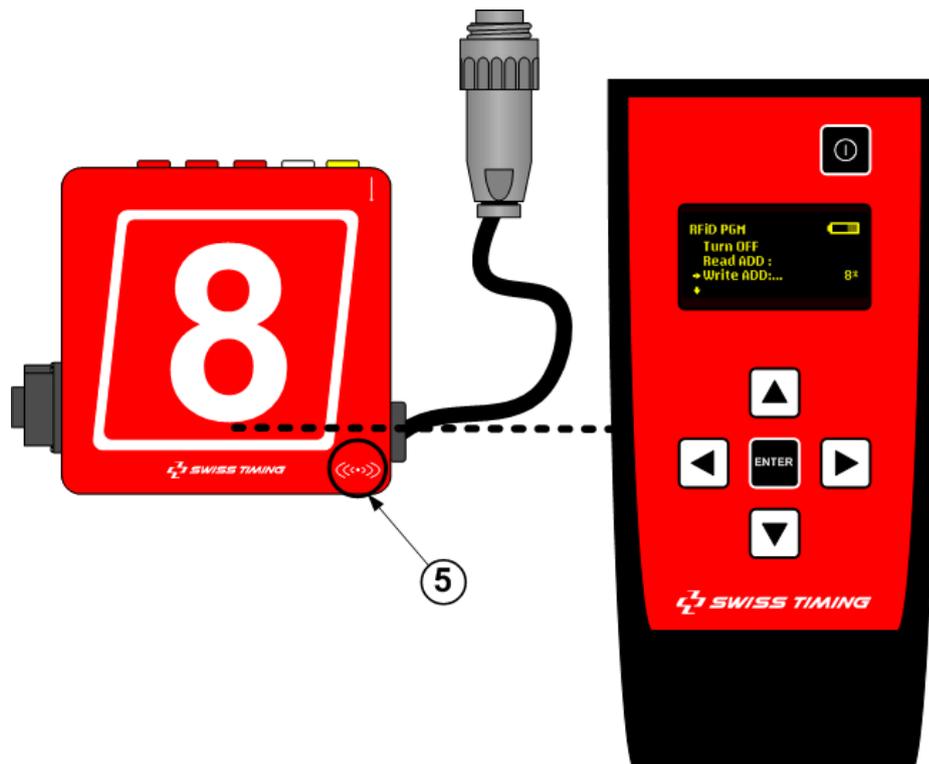
> **⚠ THE DISTANCE BETWEEN THE MODULE & THE PRG SHOULD NOT EXCEED 1 CM**

6) The message OK must be appears as below.

7) Select the mobile harness (Tuchel) in the swimming software.

8) Check in the software that the mobile harness appears in the corrected lane.

9) Repeat the procedure from chapter 3.2.6 but without the star.

3.2.7 Read version

This function allows reading the version of harness circuits inside the quantum mobile harness or the ODB10-SW harness circuits.

4 PROPERTIES

4.1 Dimensions and weight

Dimension: Hx168/Wx74.4/Dx35

Case weight without the batteries: 0.150 kg

Case weight with the batteries: 0.200 kg

4.2 Storage & Maintenance

The RFID programmed must be kept in a clean and dry place.
The storage temperature is -10°C to +60°C whereas the working temperature is 0°C to +45°C.

5 APPENDIX

5.1 Index of figures

5.2 Version history

Version	Date	Modifications since last version
1.0	10/01/12	Initial version
1.1	08/01/19	Modification chapter 3.2.6 point 1.

NOTES

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