

## INTRODUCTION

Thank you for buying our product and we hope that ALFANO will become an indispensable companion for your karting hobby. The new "ALFANO" has been manufactured on the basis of extensive and detailed technical and aesthetic considerations. The device has been designed for amateurs and enables them to easily improve their performance, and thus get even more fun from karting.

- Completely new design
- Large individual display
- Easy-read digit display
- Without push buttons
- Display for best circuit, number of circuits and time for last circuit
- Can be used on tracks with a number of magnetic strips

### Basic mode of operation of the system

The system essentially consists of a TIMER which is mounted on the steering wheel and connected to a MAGNETIC SENSOR beneath the VEHICLE in the direct proximity of the track. A magnet is also enclosed (in a safely sealed packaging) to change the parameters for the ALFANO CADET.

## 1. INSTALLATION ON THE VEHICLE

### A) Installing the ALFANO

The timer is fastened on both sides of the steering wheel spoke with two M8 nuts and 2 washers of red rubber.

### B) Installing the sensor

The timer's sensor is mounted on the underside of the vehicle in the direct proximity of the track.

It must be mounted along the longitudinal axis of the vehicle with the mounting hole pointing to the front of the vehicle.

### C) Inserting the battery

The timer on the steering wheel does not have to be removed to fit the battery. Simply unscrew the four screws which hold the top part of the timer. The battery is located on the rear of the display. To remove the battery press the black plastic clip upwards.

**WARNING:** Check the terminals when fitting a new battery. The positive terminal (+) must point outwards. **Do not change the battery when it is raining.**

Use batteries of the type: "CR 2032".

When closing the housing **DO NOT TIGHTEN THE SCREWS TOO TIGHTLY.** This could damage the screw thread. Tighten screws until both parts of the housing meet.

## 2. START AND PROGRAMMING

- a) Setting the number of magnetic strips on the track

This setting is necessary so that the ALFANO CADET can detect one single magnetic strip (always the same one) from the others on the track (the other magnetic strips are used to record the interim times with ALFANO PRO or ALFANO FUN).

Programming: hold the enclosed magnet against the sensor for a few seconds. The numbers 1, 2 and 3 below the ALFANO symbol appear in succession. These show the number of magnetic strips.

Remove the magnet when the number shown corresponds to the number of magnetic strips on the track. The device is now set.

**Warning: an incorrect configuration necessarily leads to incorrect timekeeping.**

- b) Setting the time for an automatic reset to the STOP mode.

This time must be longer than the time needed to complete one circuit on the track.

Example: 1 minute and 45 seconds are needed for one circuit on the track (the time needed to drive over the same magnetic strip twice). In this case the system must be programmed to at least 2 minutes for a reset to the STOP mode.

Programming: The numbers 1, 2, 3, 4 and 5 (time in minutes) appear in the bottom left of the display 4 seconds after procedure "a". Set the time with the magnet.

**Warning: an incorrect configuration necessarily leads to an incorrect mode of operation.**

"STOP" appears 5 seconds after this procedure.

The new settings have now been saved.

The device is now ready for operation with the new parameters.

Provided the settings have been made according to the circumstances on the track, no further parameters need be altered in the ALFANO.

**PS**: The ALFANO has been pre-set for a track with only 1 magnetic strip and to return to the STOP mode to show the results after 1 minute by the manufacturer.

## 3. MODE OF OPERATION

ALFANO is switched off or is in the STOP mode. The system is switched to the START mode the first time the kart passes over the magnetic strip. The display only shows dashes during the first circuit. On completion of the first circuit the time is shown with a triangle for the best time. After the second circuit the time for the second circuit is shown in place of the that for the first circuit with the triangle if the last time was the best time. When the kart comes to a stop and at the end of the time set under **2b**), the display shows "STOP", with the best realized time, underlined by a triangle and the towers.

If the track has a number of magnetic strips the ALFANO CADET only shows the times for the completed circuits and no interim times.

**Tip**: Use the enclosed magnet to perform simulations and thus familiarise yourself with the mode of operation of your ALFANO CADET.

#### **4. SWITCHING THE DEVICE OFF**

The ALFANO CADET switches itself off if it has been in the STOP mode for longer than 5 minutes. The recorded data (NOT the parameters 2a) and 2b)) will be deleted.

#### **5. PRECAUTIONS**

When fitting the ALFANO you must make sure that the rear of the housing does not make contact with the steering wheel – this could damage the housing.

If you have a rev counter must make sure that the rev counter cable does not make contact with the ALFANO cable. This could lead to malfunctions due to the engine ignition.

When closing the housing **DO NOT TIGHTEN THE SCREWS TOO TIGHTLY**. This could damage the screw thread. Tighten screws until both parts of the housing meet.

Abnormal battery wear: **Warning: the magnetic sensor should not make permanent contact with the magnet, this would lead to an excessive discharge of the battery. This is why the magnet is delivered in a separate, carefully sealed packaging.**

#### **6° COURSES WITH MAGNETIC STRIPS**

Have a look at our Website at : [www.alfano.be](http://www.alfano.be)

#### **6. PRODUCT ALTERATIONS**

The functional descriptions in this handbook are solely for information purposes. In order to keep up with the latest technical developments the manufacturer reserves the right to undertake alterations in the functional method of the devices at any time without prior notification of the customer.

#### **8° GUARANTEE**

The product is intended for competition purposes. All electronic breakdowns, breakages in the housing, and damaged cables which are attributable to a collision or are not covered under the guarantee. Equally, the guarantee is also cancelled if the device has been opened. Only the manufacturer can decide as regards liability in the event of damages or defects of any kind. A guarantee of one year is granted for manufacturing defects (the invoice date applies).

**Have a safe journey!**