AL KAMEL SYSTEMS - PPTRACKER SYSTEM

Timekeeping Services | Race Control Solutions | TV Graphics | Rally Tracking
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PPTracker and PPTracker Lite EB provided by Al Kamel Systems are the official GPS tracking and signaling systems for the FIA Motorsport Games. These devices have been designed for all types of rally competitions and will be used for Reconnaissances, Shakedown and Special Stages. The purpose of these systems is to improve the safety and visibility of participants.
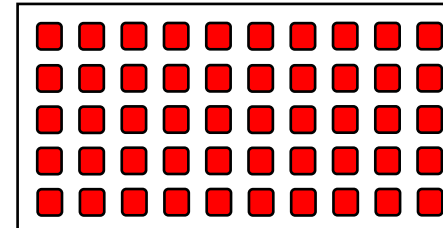
PPTracker Lite System provided by Al Kamel Systems is the official GPS tracking system for reconnaissance of the FIA Motorsport Games. The device must be installed and used as indicated in this manual, taking into account that it must be mounted on the vehicle for the reconnaissance throughout its entirety and must be returned as soon as it has been finished.

- Place the device with the screen facing the user and the upper part facing the windscreen of the vehicle, directly focused on the sky and without obstructions.
- Make sure that the surface is clean so that, once the protective plastic is removed from the velcro, it can be fixed.

The device will work completely autonomously without the need to press any button. It will indicate the following:

- Sound alarms:
    - Discontinuous beeps when speeding
    - 2 beeps at stage entry and exit

- Flash alarms:
    - Yellow: 3kph under the limit
    - Red: Overspeeding

The PPTracker System provided by Al Kamel Systems is the official GPS tracking and signaling system for the shakedown and special stages of the FIA Motorsport Games. The device must be installed and used as indicated in this manual, taking into account that it must be mounted on the competition vehicle prior to technical scrutineering.
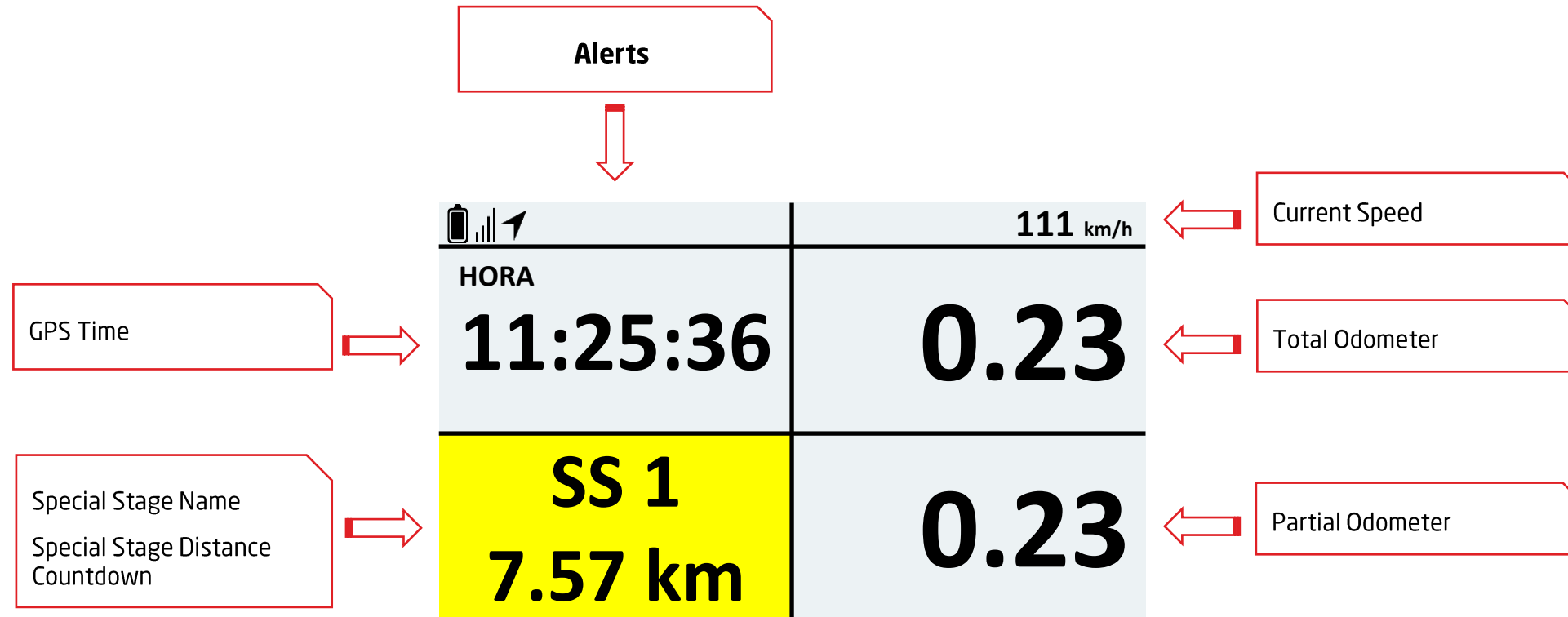
Image 1. MAIN SCREEN

! / **!** + **3s**

The device has the possibility of resetting both the partial and total odometer values to 0 by pressing the YELLOW button and keeping it pressed for 3 SECONDS respectively:

YELLOW BUTTON

Image 2. Reset Partial Odometer

YELLOW BUTTON (3 SECONDS)

Image 3. Reset Total Odometer

△ + 3s

To indicate that the car has stopped due to a breakdown, the **RED** button must be held down for **3 SECONDS**.

After that, the display will turn orange asking for confirmation as to whether the track is blocked or not.
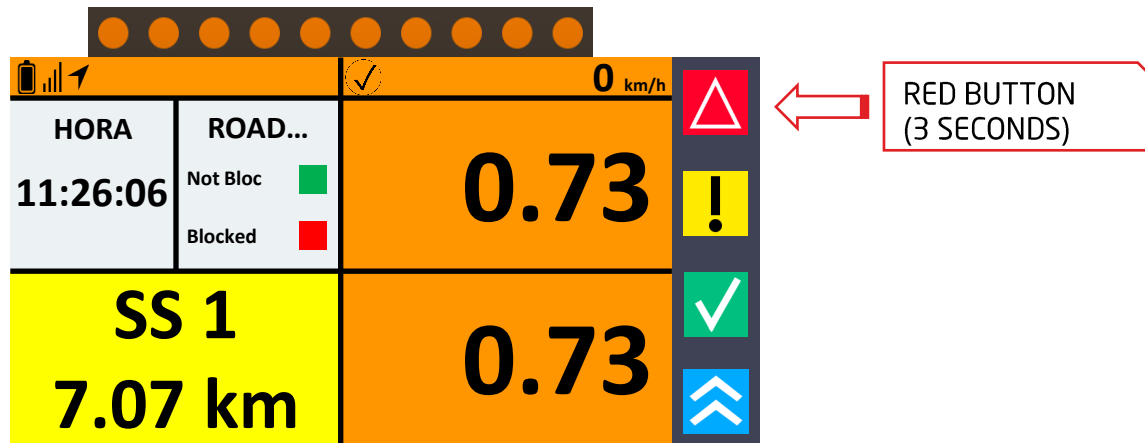

RED BUTTON (3 SECONDS)

Image 4. Breakdown Display

If the road is blocked: press the **RED** button

If the road is NOT blocked: press the **GREEN** button

The following icon will be displayed when race control has confirmed its receipt: ✓
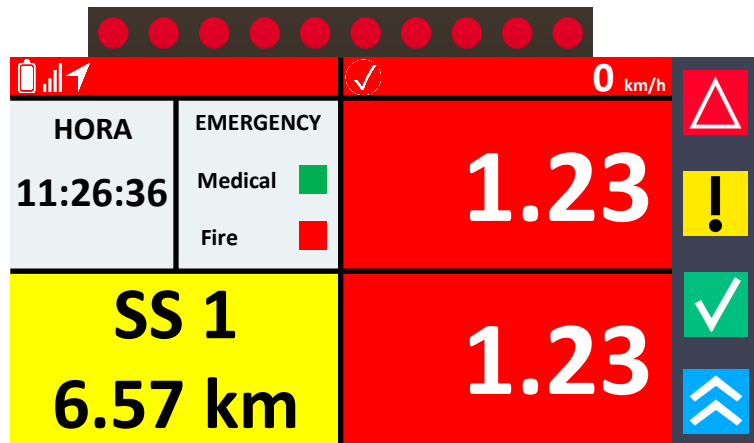
✓ + 3s It is possible to exit this menu by pressing the green button for 3 seconds

△ + ❗ **1s**

To indicate that the participants are in an Emergency situation (SOS), the **RED and YELLOW** buttons must be held down simultaneously for **1 SECOND**.

After that, the display will turn red. It must be confirmed whether medical assistance or the intervention of the fire brigade is required.

Image 5. Emergency (SOS) Display

RED BUTTON
+
YELLOW BUTTON
(1 SECOND)

If the intervention of the fire brigade is required: press the **RED** button △

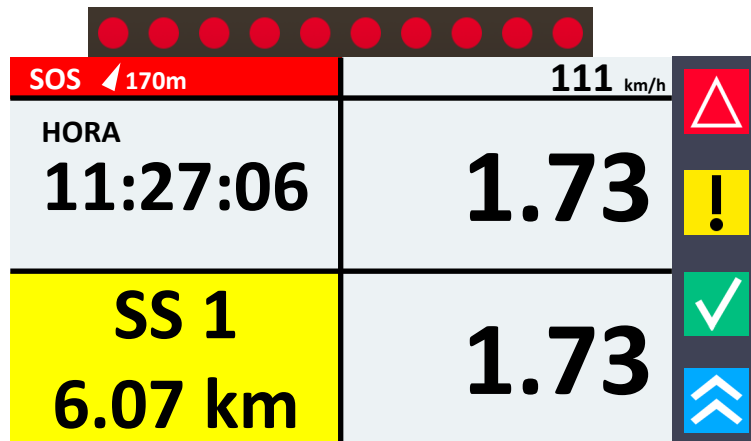If medical assistance is required: press the **GREEN** button ✅

The following icon will be displayed when race control has confirmed its receipt: ☑

✅ **+ 3s** It is possible to exit this menu by pressing the green button for 3 seconds

When another participant requests an SOS or alerts about a BREAKDOWN and is ahead, the following menus will appear informing about the situation:

Image 6. External SOS Display

Image 7. External Breakdown Display

When there is a risk situation with another participant due to there being a large speed difference, for instance when the preceding vehicle is going excessively slow or is stopped without having triggered any alert, the following menu will appear informing of the situation:

Image 8. Slow Car Display

✅ **+ 3s**

When Race Direction decides to interrupt a special stage using a red flag, its reception must be confirmed by holding down the **GREEN** button for **3 SECONDS**, as shown below:

Image 9. Red Flag Display - Received

GREEN BUTTON
(3 SECONDS)
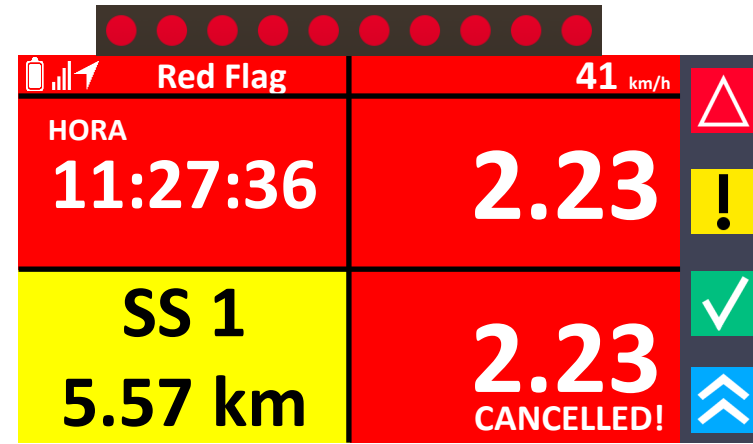
Image 10. Red Flag Display - Accepted

+ 1s

To be able to request an overtaking of the preceding vehicle, it is necessary to press the **BLUE** button for **1 SECOND**. In order for this participant to receive said request, it will be necessary to have reached it.

BLUE BUTTON
(1 SECOND)

Image 11. Blue Flag Display – Requesting Overtake

Display that will be shown to the applicant together with flashing blue leds if the overtaking request conditions are not met

Image 12. Blue Flag Display – Waiting Confirmation

Display that will be shown to the applicant once the receiver has received the overtaking request

✅ **+ 1s**

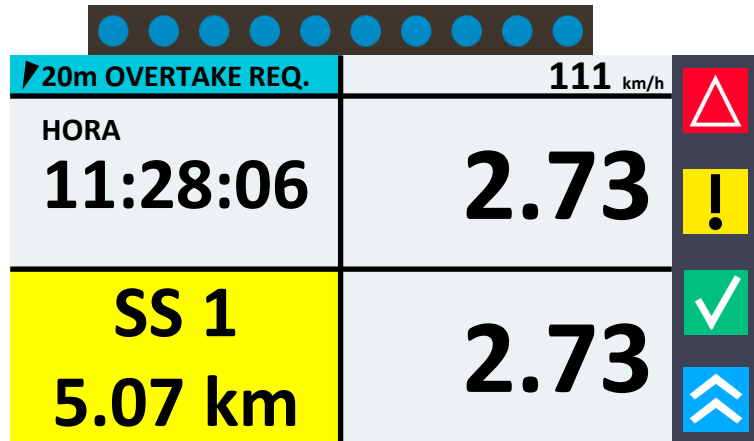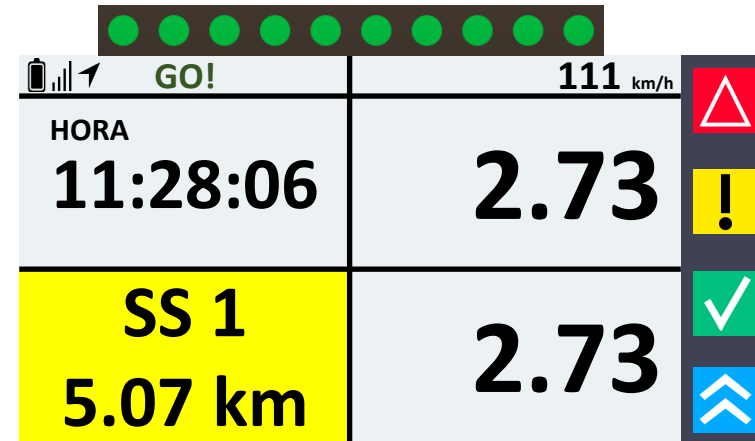Once the overtaking has been requested and received, the participant who has received said request will be shown a Blue Flag and must confirm it as soon as possible to be able to indicate it to the applicant. To do this the **GREEN** button must be held down for **1 SECOND**:

Image 13. Blue Flag Display - Overtaking Requested

Display that will be shown to the receiver of the Blue Flag, being necessary to hold down the GREEN button to confirm
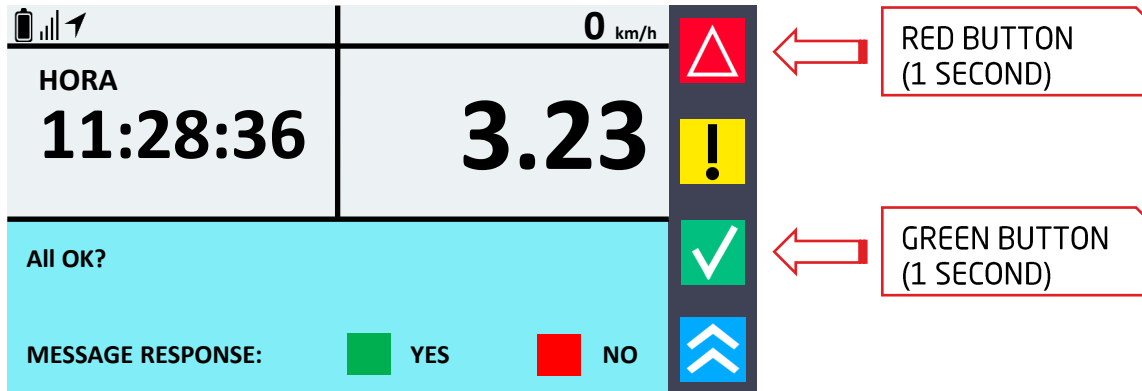

Image 14. Blue Flag Display - Overtaking Confirmed

Display that will be shown to the applicant once the receiver has accepted the overtaking
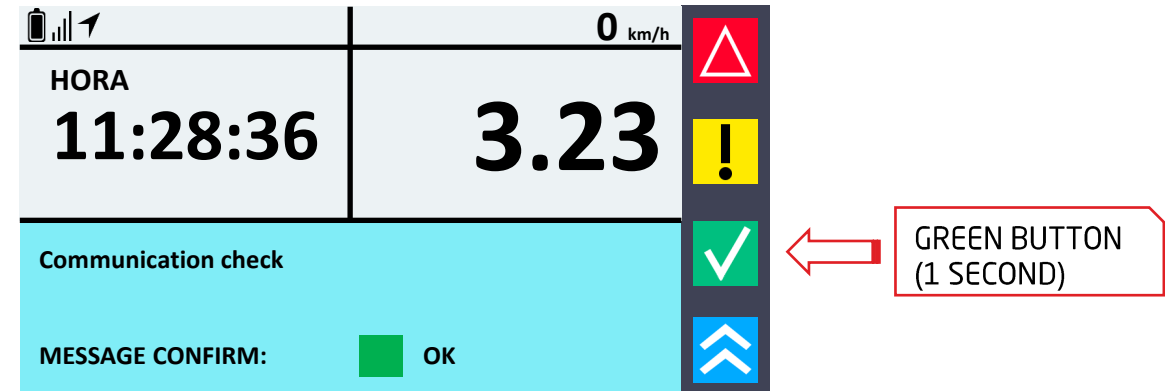
GREEN BUTTON (1 SECOND)

✅ / 🔺 **+ 1s**

Confirmation messages can be sent from Race Direction to the participants. These messages will require confirmation by pressing the GREEN or RED button, depending on the desired response, and holding it down for **1 SECOND**:

	0 km/h
HORA 11:28:36	3.23
All OK?	
MESSAGE RESPONSE: ☐ YES ☐ NO	

RED BUTTON (1 SECOND)

GREEN BUTTON (1 SECOND)

Image 15. Message – YES/NO response

	0 km/h
HORA 11:28:36	3.23
Communication check	
MESSAGE CONFIRM: ☐ OK	

GREEN BUTTON (1 SECOND)

Image 16. Message – Read Confirmation

It must be answered "YES" by holding down the GREEN button or "NO" by holding down the RED button

We solve our clients' matters.

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