

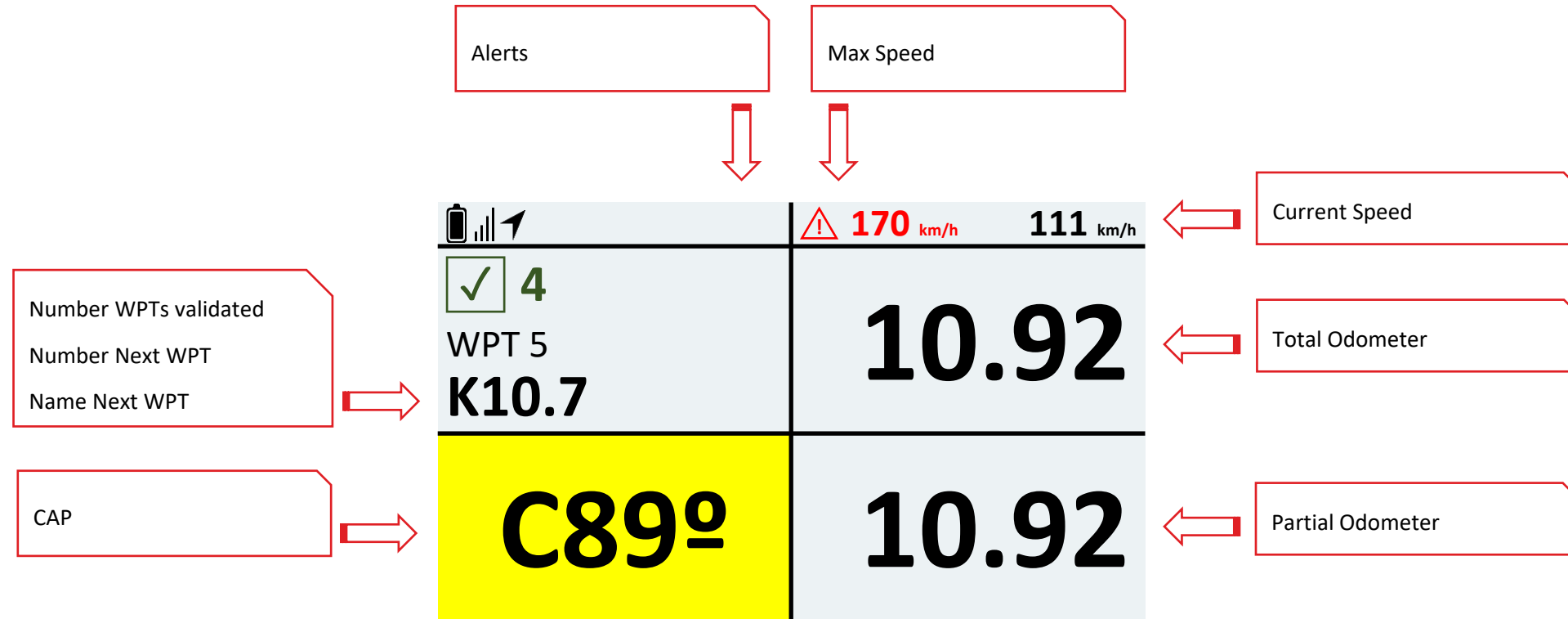


AL KAMEL SYSTEMS PP Tracker System

Timekeeping Services | Race Control Solutions | TV Graphics | Rally Tracking
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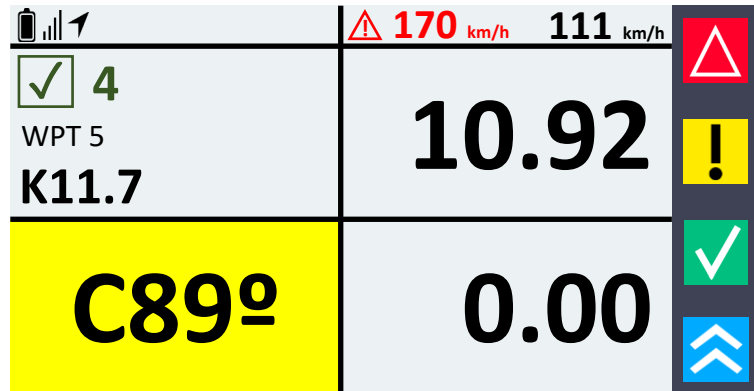
The PPTracker System provided by Al Kamel Systems is the official Rally Tracking system for the Campeonato de España de Rallyes TodoTerreno (CERTT). This is a GPS and Signaling tracking system designed for all types of Rally competitions and which will be used for the Stages, the Prologue and the Shakedown. The purpose of this system is to improve the safety and visibility of the competitors in this type of events.





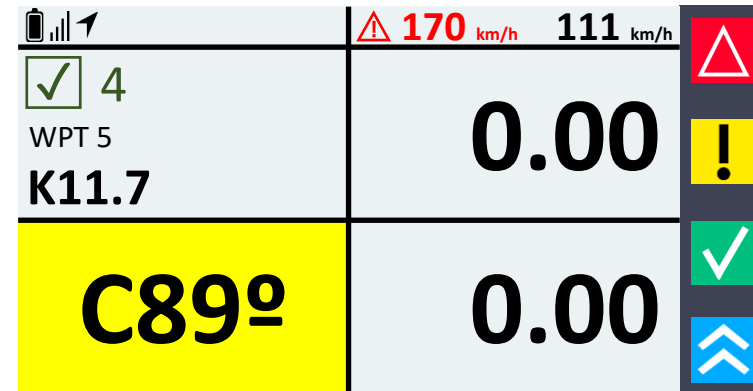
Pic 1. Main screen Rally

The device also 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.



Pic 2. Reset Partial Odometer

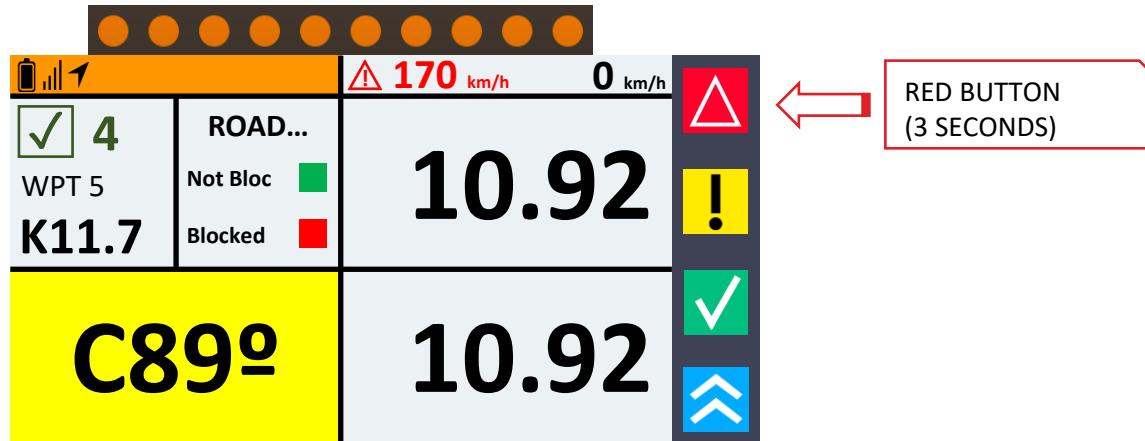
YELLOW BUTTON



Pic 3. Reset Total Odometer

YELLOW BUTTON
(3 SECONDS)

To indicate that the car has stopped due to a mechanical issue, 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.



Pic 4. Mechanical Issue Display

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

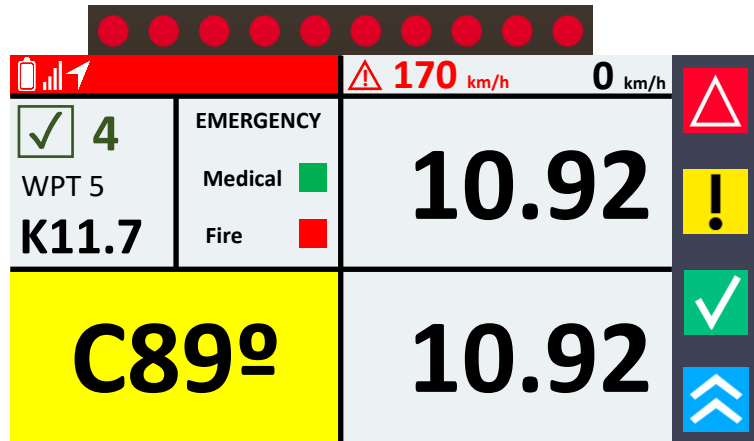


If the road is NOT blocked: press the **GREEN** button



*It is possible to exit this menu by holding down the green button for 3 seconds

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.



Pic 5. Emergency (SOS) Display

RED BUTTON
+
YELLOW BUTTON
(1 SECOND)

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

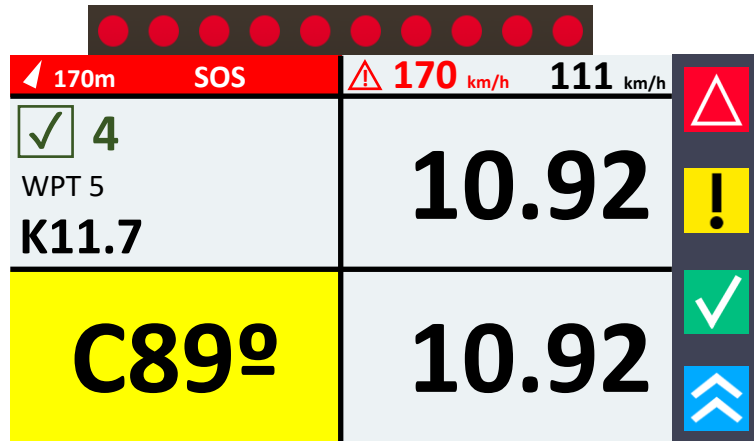


If medical assistance is required: press the **GREEN** button

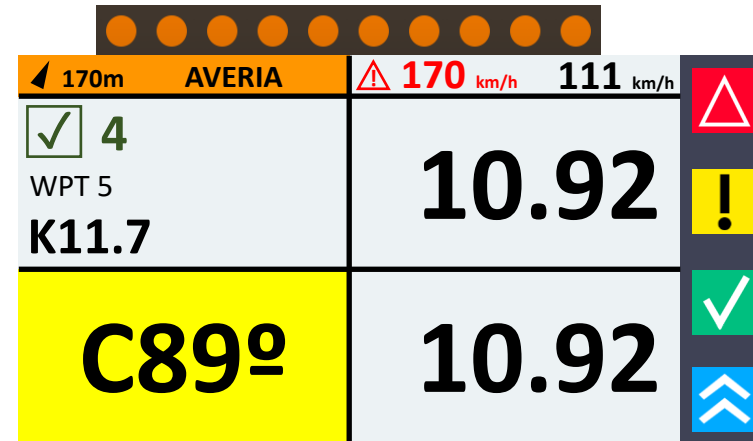


*It is possible to exit this menu by holding down the green button for 3 seconds

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

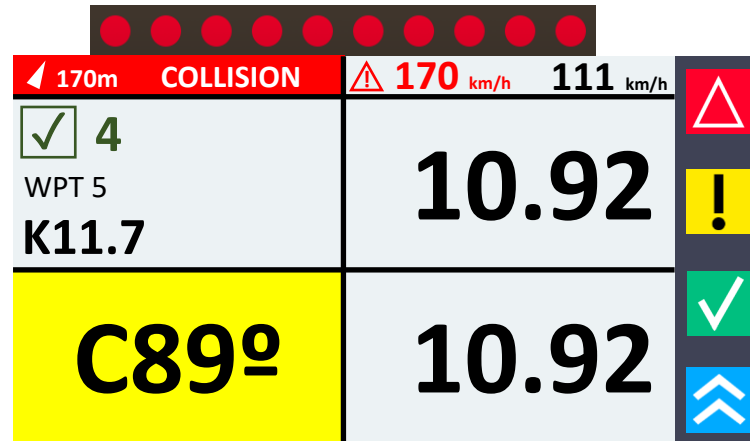


Pic 6. External SOS Display



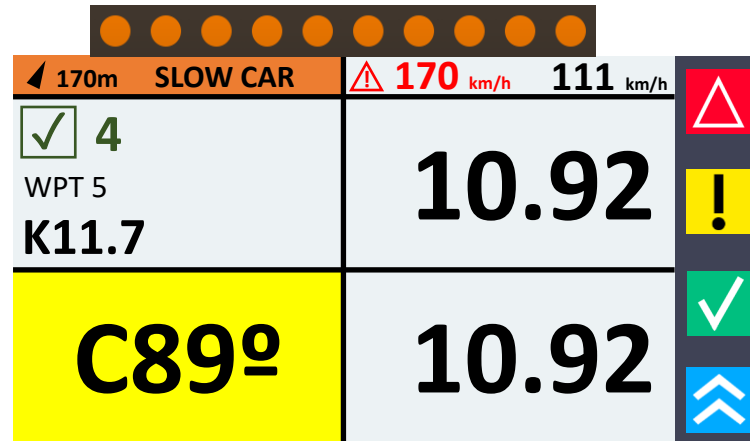
Pic 7. External Mechanical Issue Display

When there is a risk situation with another participant due to a collision, the following menu will appear reporting said situation:



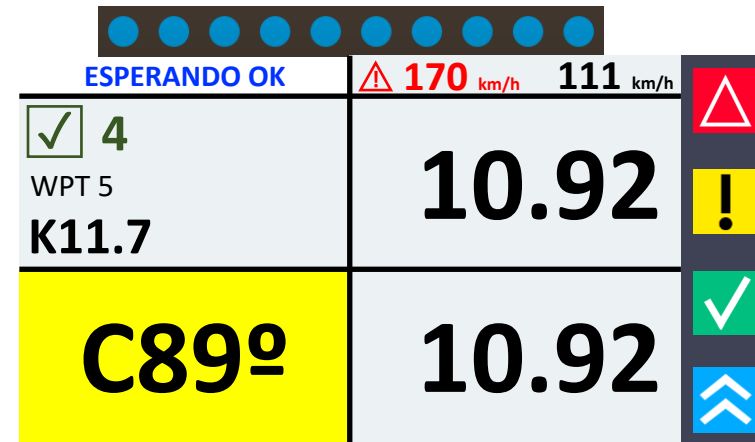
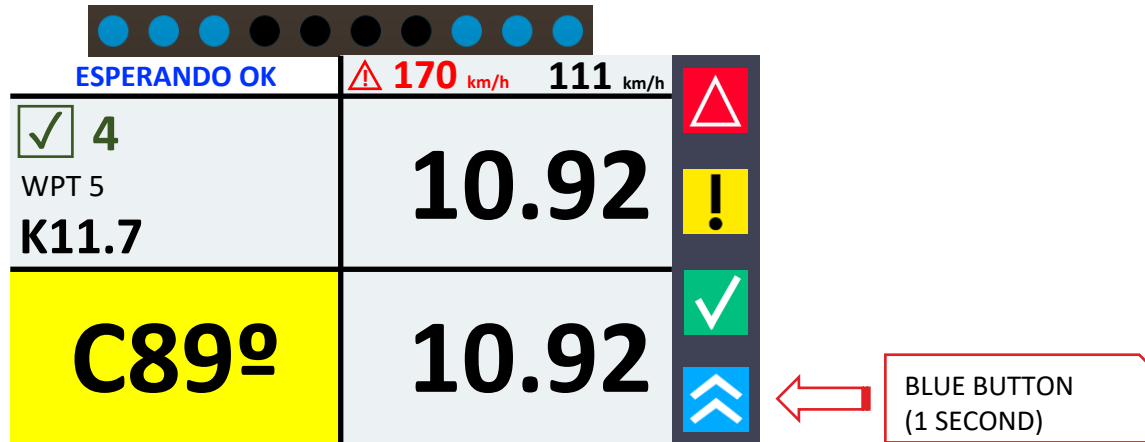
Pic 8. Collision Alert Display

When there is a risk situation with another participant due to a great difference in speed between them, the following menu will appear informing about said situation:



Pic 9. Slow Car Display

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.



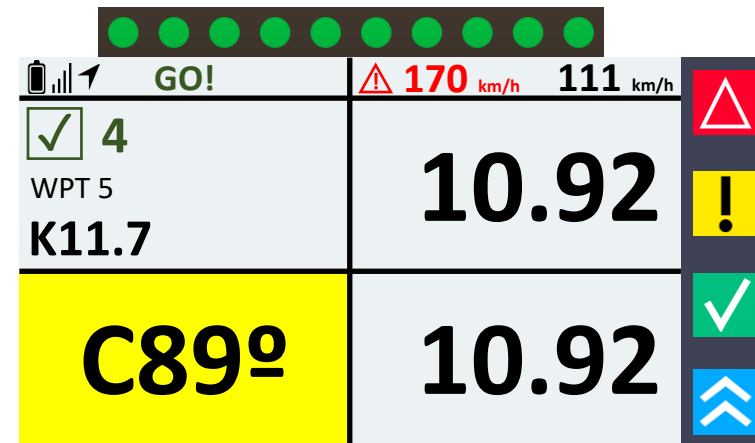
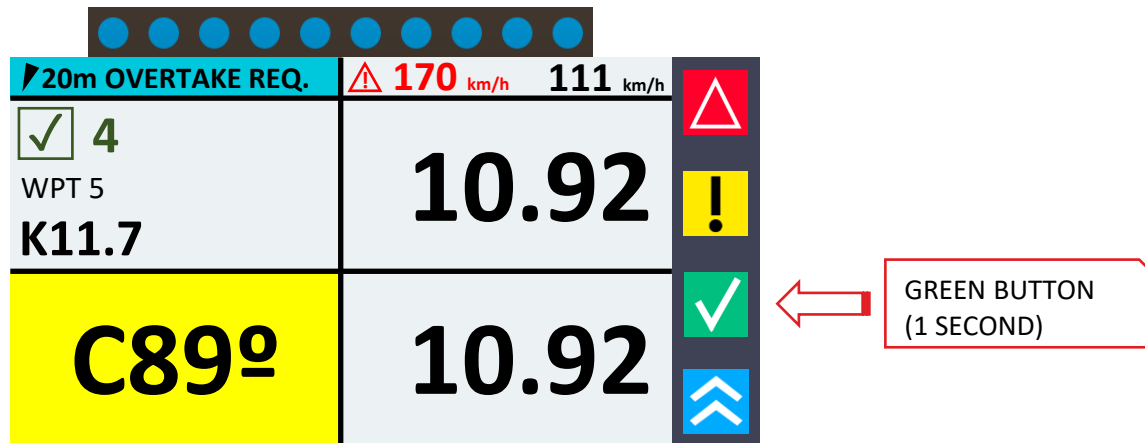
Pic 10. Overtaking Request Display – Requesting Overtake

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

Pic 11. Overtaking Request Display – Waiting Confirmation

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

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:



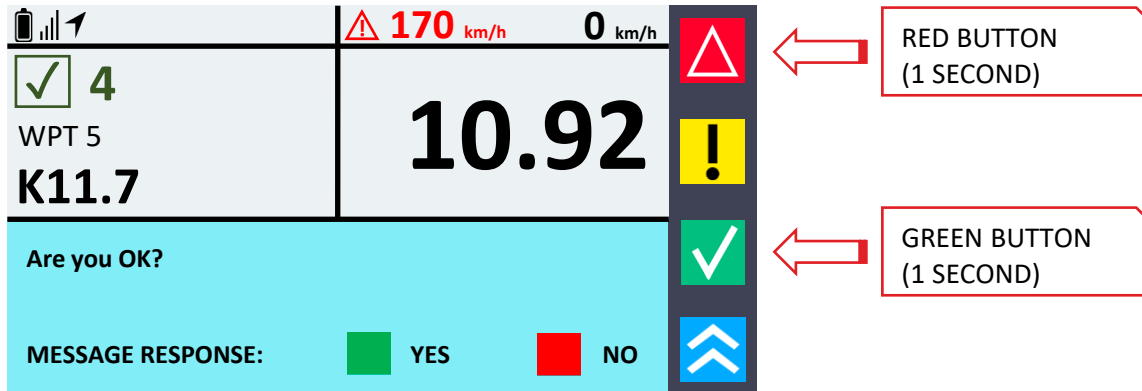
Pic 12. Overtaking Request Display – Overtaking Requested

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

Pic 13. Overtaking Request Display – Overtaking Confirmed

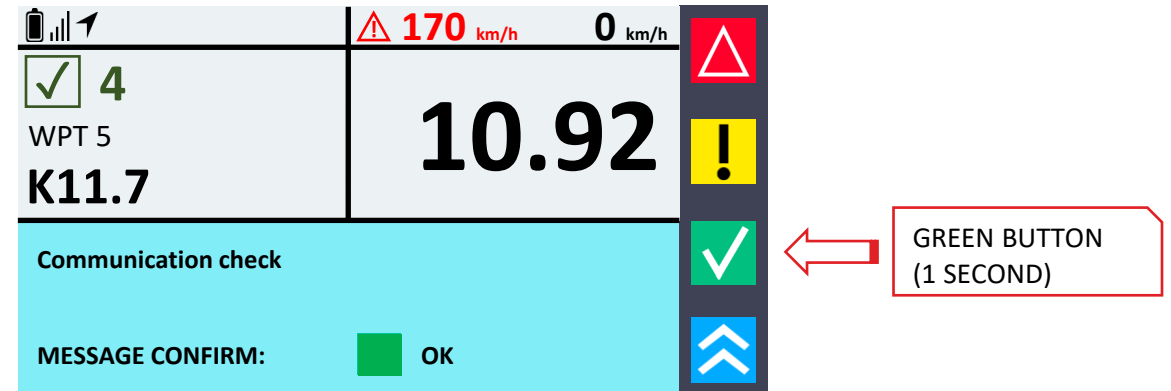
Display that will be shown to the applicant once the receiver has accepted the overtaking

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:



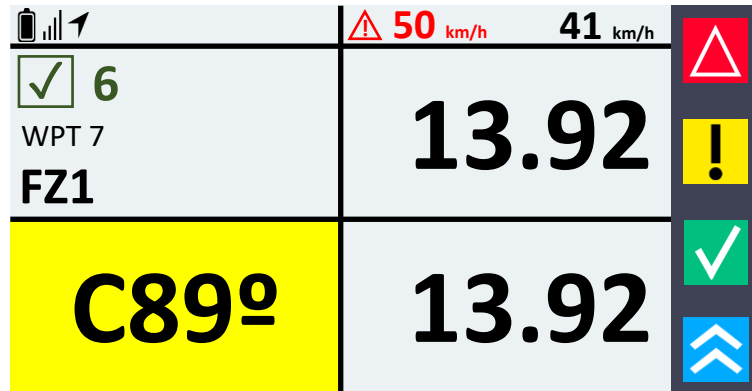
Pic 14. Message – YES/NO response

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

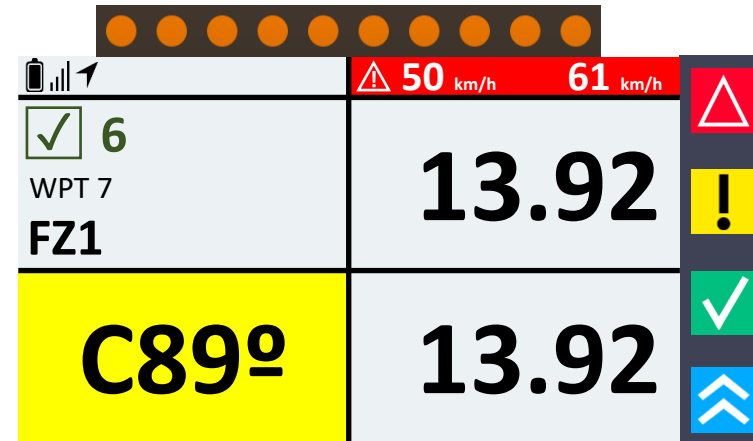


Pic 15. Message – Read Confirmation

When entering a Speed Control Zone, the maximum allowed speed limit, indicated in red at the top of the screen, will be reduced by the new value established by the organisation. If this value is exceeded, it will be indicated as shown below:

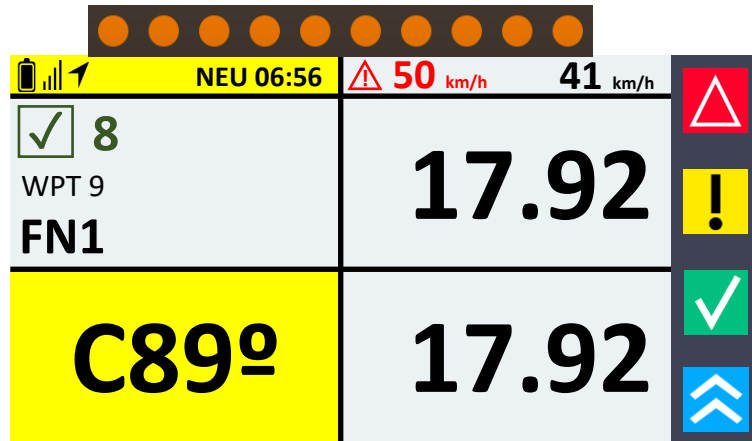


Pic 16. Speed Control Zone Display – Appropriate Speed

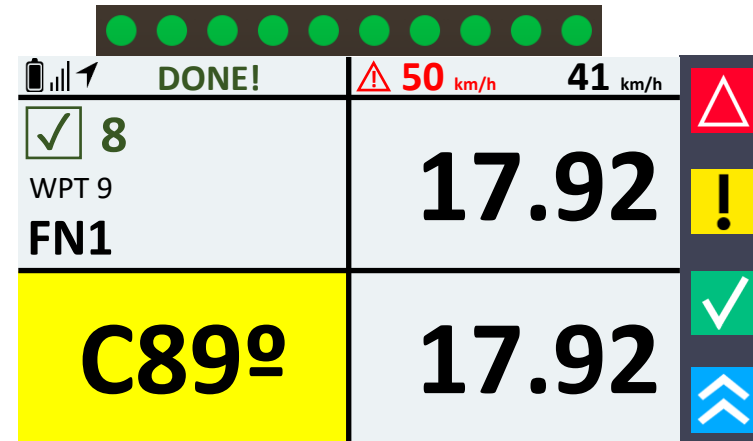


Pic 17. Speed Control Zone Display – Excessive Speed

When entering a Neutralisation Zone, the remaining time will be indicated and the top left of the screen until it has expired, as shown below:

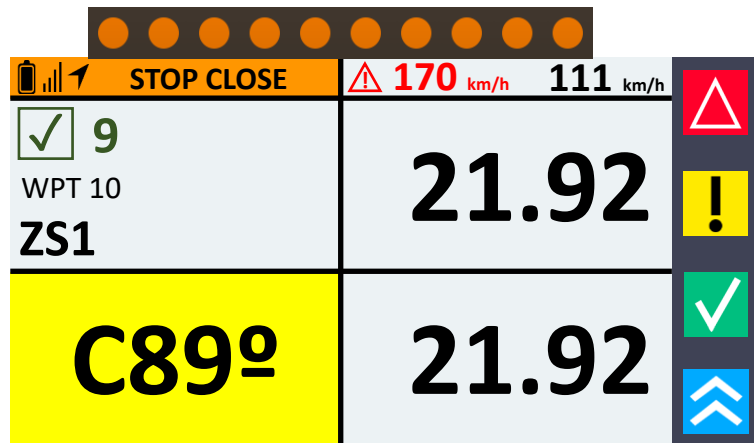


Pic 18. Neutralisation Zone Display – Countdown

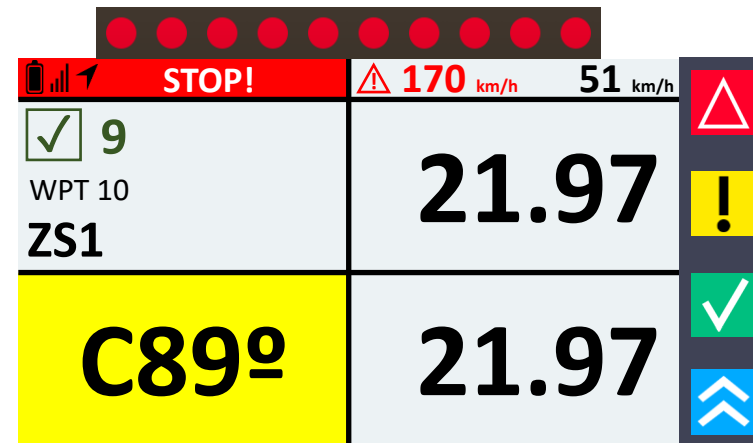


Pic 19. Neutralisation Zone Display – Waiting Time Completed

These screens will appear when you are in a stop zone 3 seconds. The proximity to the area, the entry into it, the beginning of the countdown and the end of the latter will be indicated:

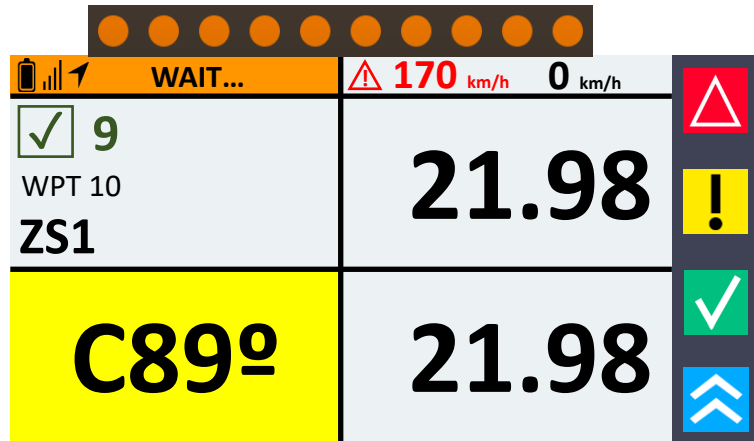


Pic 20. STOP Zone 3'' Display – Near the Stop Zone 3''

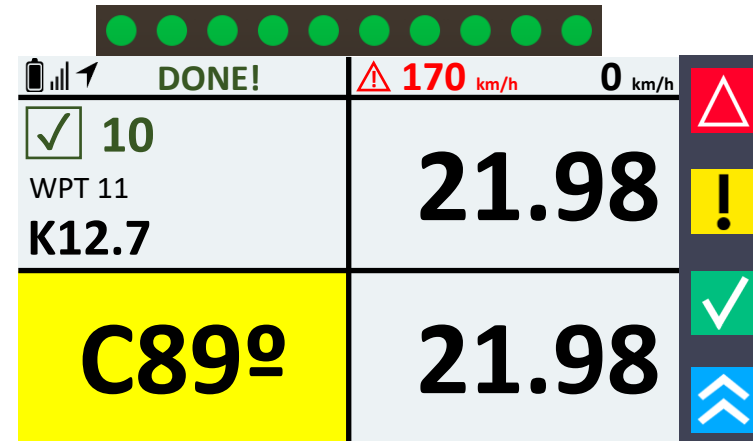


Pic 21. STOP Zone 3'' Display – Stop Zone 3'' entrance

These screens will appear when you are in a stop zone 3 seconds. The proximity to the area, the entry into it, the beginning of the countdown and the end of the latter will be indicated:

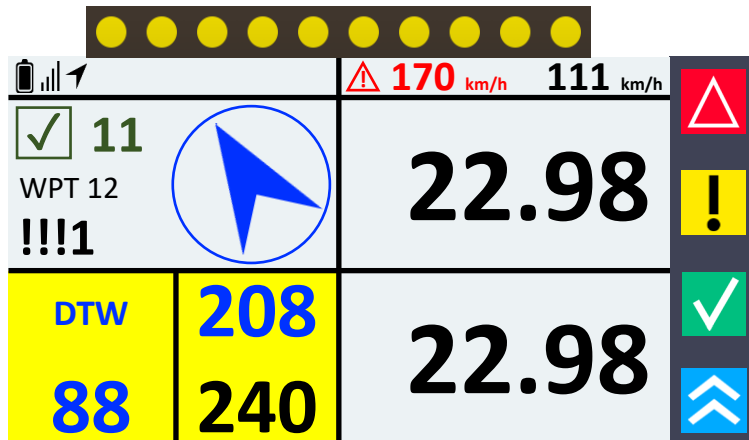


Pic 22. STOP Zone 3'' Display – Waiting inside the Stop Zone 3''



Pic 23. STOP Zone 3'' Display – Stop Zone 3'' Validated

These screens will appear when being close to a danger indicated by the organizer and until it has being passed:

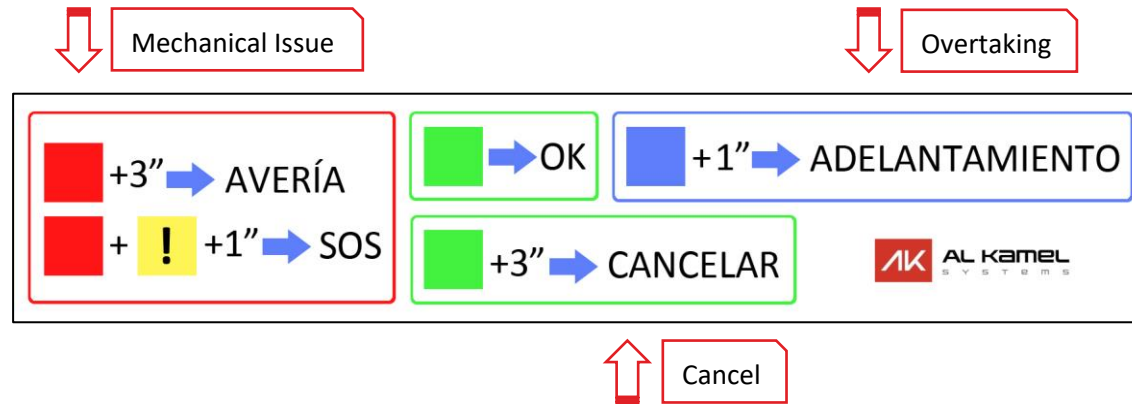


Pic 24. Dangers Display

When approaching a danger waypoint, the following indications will be shown on the display:

- Blue compass indicating the direction in which said Waypoint is located
- Just below in blue, the Heading towards said Waypoint is located
- Just below in black, current heading (CAP)
- Just at its left in blue, Distance to Waypoint (DTW)

The KIT provided through Al Kamel Systems' E-commerce also includes a summary sticker with the functionality of the buttons:



Pic 25. Summary Sticker

We solve our clients' matters.

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