



COURSE VEHICLE OPERATION

Version 2.0
22/02/2021



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1. Welcome

The information contained in this document is to provide an introduction and assistance in the use of RallySafe Timing & Tracking equipment.

The RallySafe system may be the main timing system on event and its use includes a number of safety and tracking procedures that are instigated by the correct use of the system. The system uses the Official and Competing cars to send data back to Rally Control. This data is then interpreted by the RallySafe program to provide Safety Tracking and Timing reporting.

To make this work correctly we all need to be comfortable in the use of this equipment.



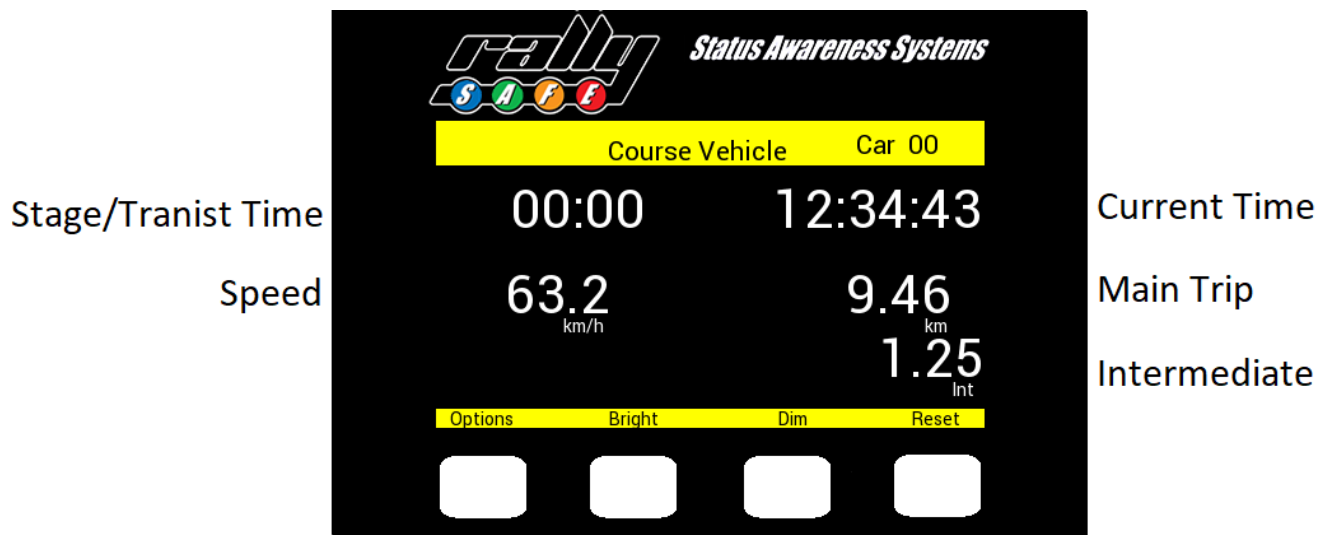
2. Overview

Car 000 and Car 00 cars perform the final check of the course before competition cars enter the course. While a course will have been checked for accuracy prior to the event, it is possible for these cars to confirm that the course is setup correctly. Start locations, restriction zones and finishes need to be in the specified location. The course condition can be reported to race control.

Sweep is able to see and record hazard information.

All course cars can update the status of a stopped car, ready for a second pass of a stage.

Car 0 is treated as a competition vehicle. This car should not stop on course, so the transmission of a hazard from this car is of high priority.



(Figure 1) Normal Operation

3. Button operation

The Buttons on the Main Display are:

OPTIONS: Display changes to allow the selection of special Course Car functions (see **Figure 2**).

BRIGHT: Increase brightness

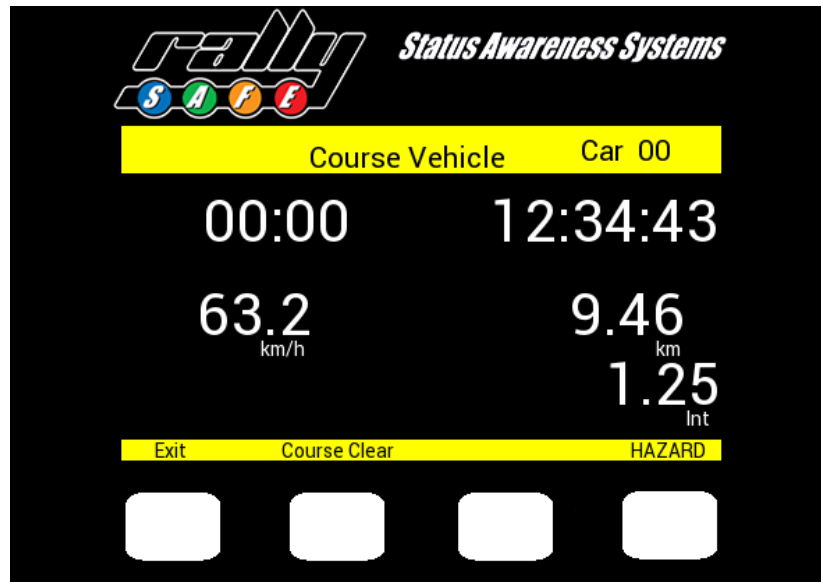
DIM: Decrease brightness

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RESET: Press once will reset the Intermediate Trip (right trip meter)

Press again while stationary to reset the Main Trip

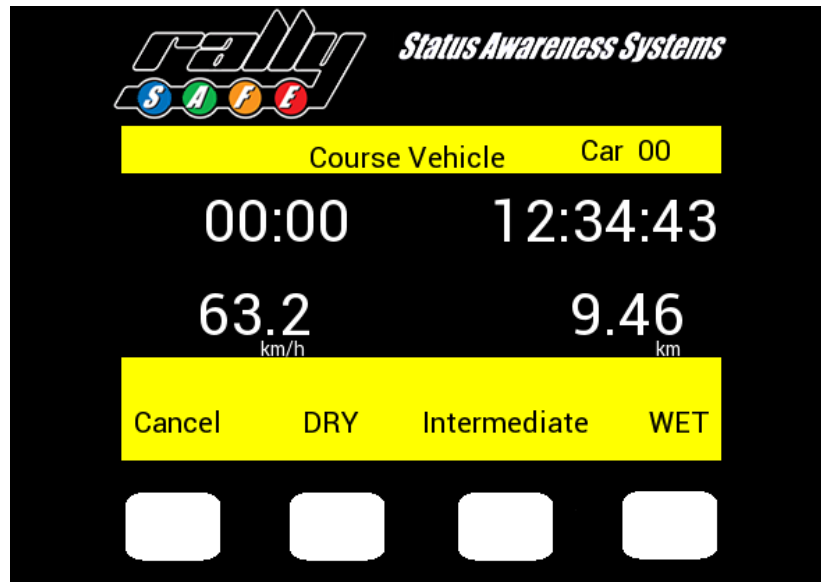


(Figure 2) "Options" buttons

Exit: Return to "Normal Operation" screen.

Course Clear: Display changes to Course Condition Reporting screen (see Figure 3).

Hazard: When "Hazard" is selected, display changes to the Manual Hazard screen (see Figure 4).



(Figure 3) "Course Clear"

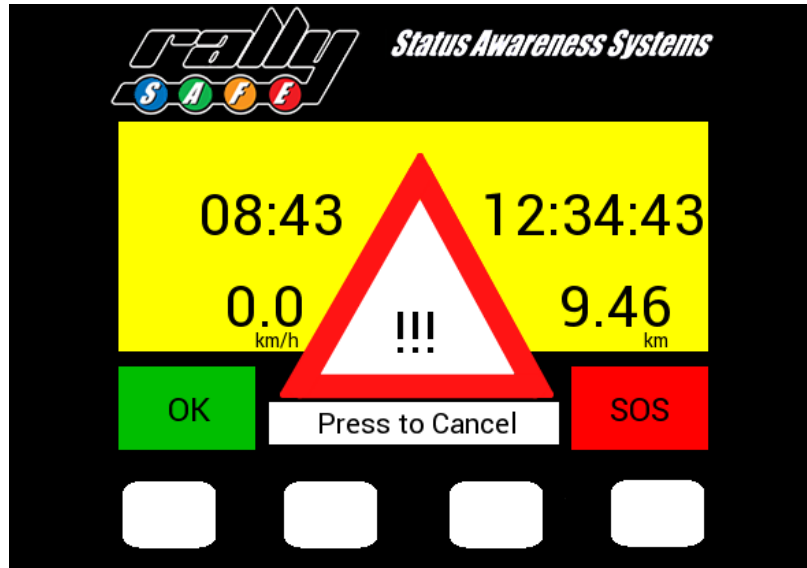
Options to send are Dry, Intermediate, Wet.

While sending, a message will display for 5 seconds as confirmation before returning to "Normal Operation".

When “Hazard” had been selected, Figure 4 will display

A hazard can be sent from a course vehicle to warn other vehicles or attract the attention of Race Control.

This Hazard can be cancelled if required (buttons 2 or 3) or upgraded or downgraded depending on the situation. Upon moving again, the hazard will clear automatically, returning to normal operation.



(Figure 4) Manual Hazard

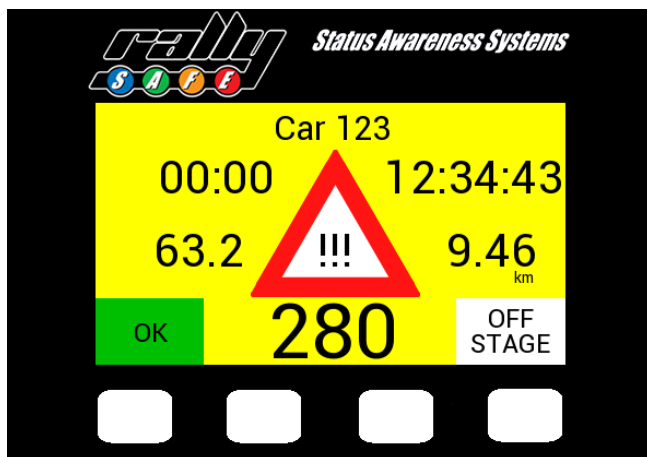
4. Management of Hazards

When a course car approaches a stopped car – the type of hazard and distance to the hazard will be displayed, along with the distance into stage (Figure 4 to 6).

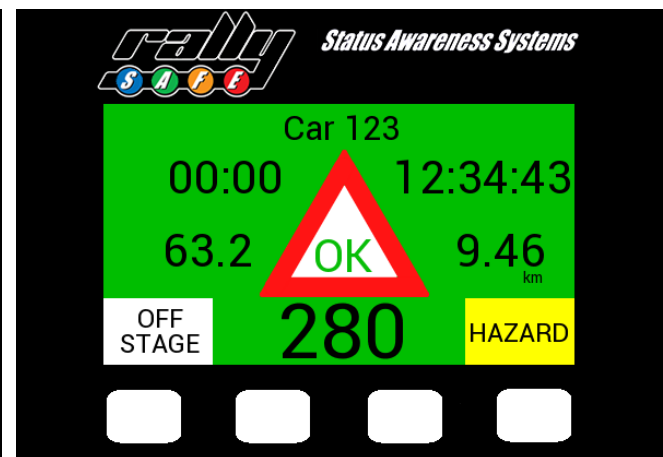
The Car stopped is shown above the triangle. The distance to the stopped car is shown below the triangle.

00,000 and **Sweep** are able to change the type of warning being sent by a stopped car. The Officials on the ground have the best information available to assess the situation and change the status. Particularly if the stage is to be run in reverse.

Any course car needs to downgrade a SOS once the event is dealt with so that other competitors don't need to stop at the scene. This is particularly important if a stage is to be used for a second pass.



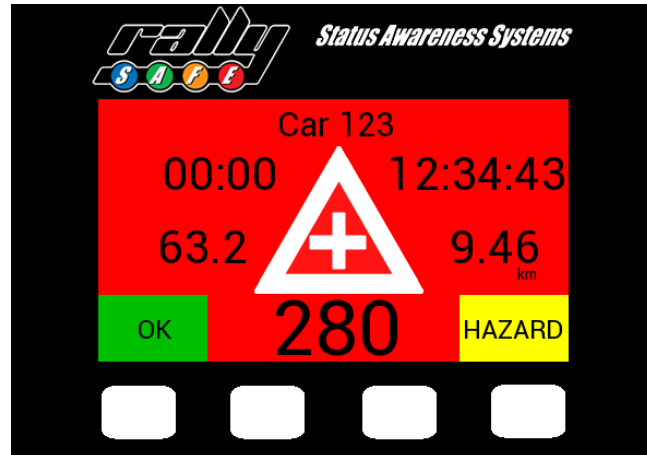
(Figure 4) Course Car view of a Hazard warning.



(Figure 5) Course Car view of a OK warning.

If a Course Car detects a hazard it can change the “Hazard” of the stopped car to “OK” or stop transmission by taking it “Off Stage” by pressing the applicable button.

Similarly, for an “OK”, the status can be changed to “Hazard” if the car is in an unsafe location.



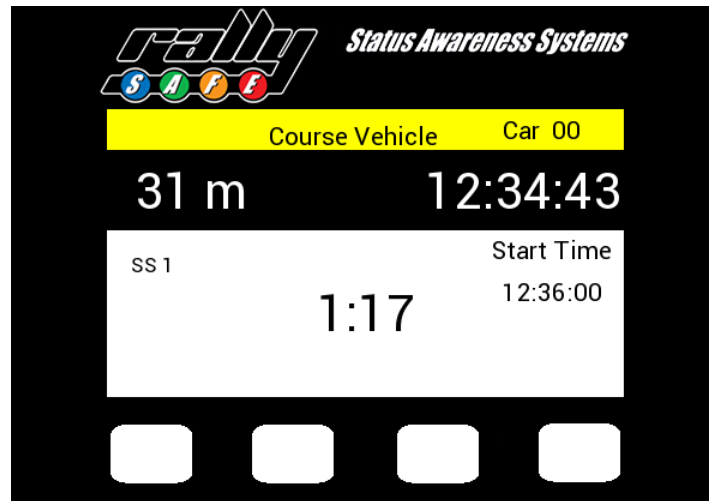
(Figure 6) Course Car view of a SOS warning.

Note: a SOS needs to be changed back to “OK” or “Hazard” before being able to set “Off Stage”

The options are

- **OK.** If a stage is to be continued or run for a second time and that the stopped car is in a safe location
- **Hazard:** If a stage is to be continued or run for a second time and other competitors need to be aware that the stopped car is in a hazardous location.
- **Off Stage:** If a stage is to be continued or run for a second time and the car is off the course. Or if the stage is completed and the car will not be completing the stage. (Note: a car can only be taken off stage if it is transmitting Hazard or OK.)

5. Additional Functions

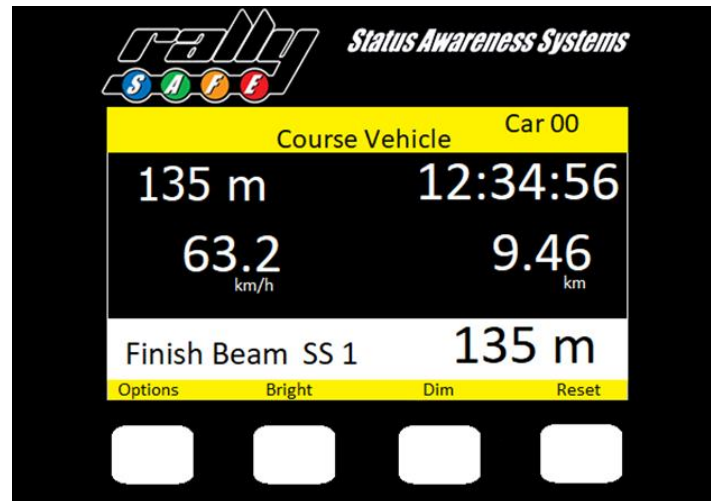


(Figure 7) Start time issued for SS1 at 12:36.

At the Stage Start a start time can be issued to 00 or 000 simply by entering the car number into the tablet that is being used by the Start Officials.

This serves two purposes. It allows the 000 and 00 cars to confirm that the tablet is set to the correct stage and synchronizes the unit to the event coordinates. The coordinate distance is then displayed from distance of 350m, to allow the course car to check placement of boards and control points.

If the car is not at the pre-defined start location the text “CONFIRM STAGE NUMBER IS CORRECT” will display. Check the stage number on unit and confirm that the official’s tablet is set to the correct stage.



(Figure 8)

When Timing beams are in use, the distance to the beam will be displayed from 350m, if the beam is turned on and aligned.

6. Contact us

For assistance, please contact the RallySafe Support Team by emailing: info@statusas.com

Please be as descriptive as you can when describing the problem. It would help us if you provide the following information at a minimum:

- Name of event.
- Vehicle or feature affected.
- Stage of incident.
- Time of incident.
- Any additional details.