

iRIS

by GEOTRAQ

DIGITAL ROADBOOK AND NAV-GPS

MOUNTING INSTRUCTIONS



Version-August 2025



BY RBI SPORT

IRIS - COMPONENTS

IRIS device



Mounting bracket



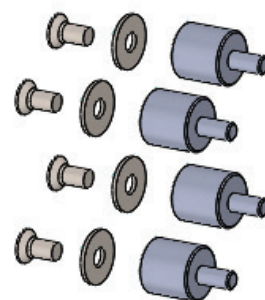
Power cable



GPS Antenna - 5 m



Rubber mounts



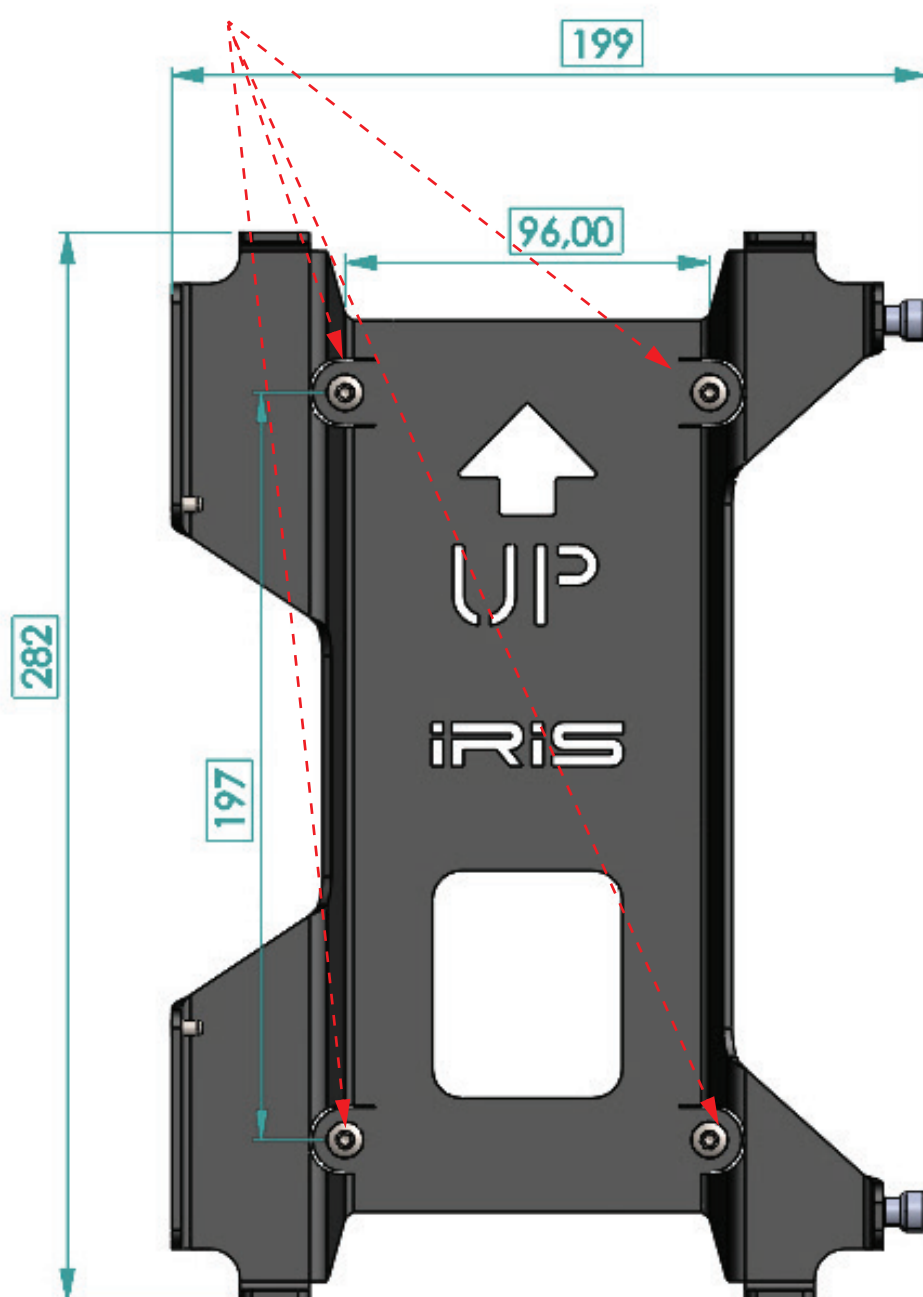
FITTING TO DASHBOARD

Dimensions of the holes:

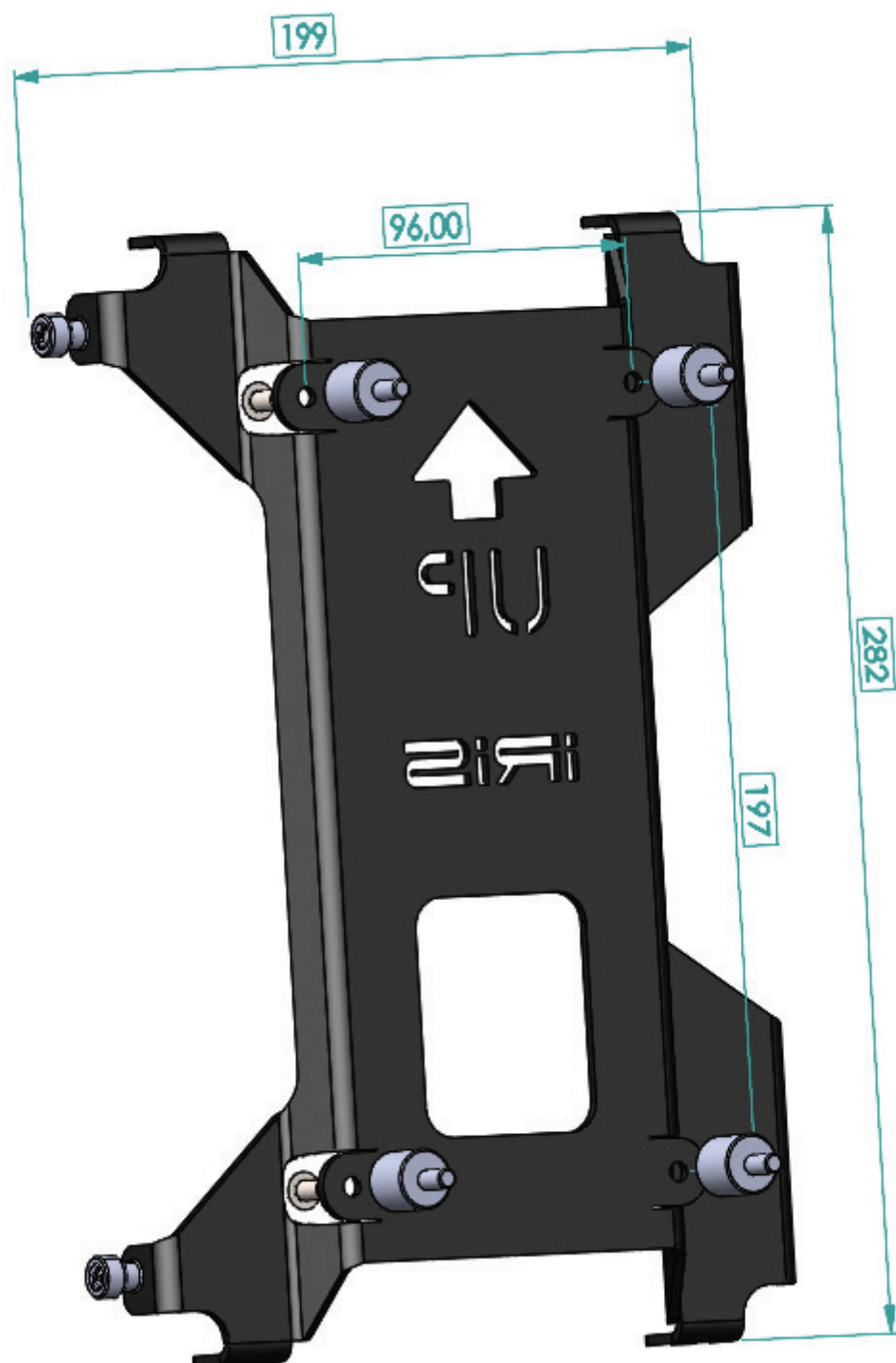
Vertical spaces between axes: **197 mm**

Horizontal spaces between axes: **96 mm**

Using the supplied fittings, fix the bracket to dashboard in Portrait orientation:



FITTING TO DASHBOARD



FITTING TO DASHBOARD





iRIS by GEOTRAQ

DIGITAL ROAD BOOK AND NAV-GPS OPERATING INSTRUCTIONS



Version Release
August 2024

1. About the Device

- Front Side, Mounting hardware Page 3
- Physical Buttons Page 4

2. Getting Started

- Turn ON and Open Road Book Page 5

3. Overview of the Screen

- Odometer and Navigation Overview Page 7
- NAV-GPS Overview Page 7

4. How it works

- Visual Buttons Page 8
- Edit Odometer Page 9
- Stage Overview Page 10
- Settings Menu Page 11
- How to Exit Road Book and Change it Page 12

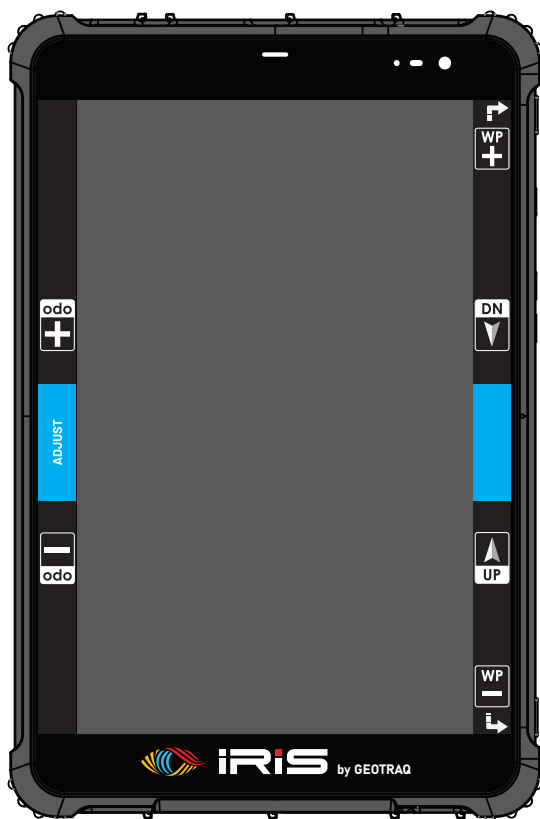
5. Functionality

- Behaviour in Speed Limit Page 13
- Warning for Global Speed Limit Page 16
- Warning for Safety Waypoint - Danger Level 3 Page 16
- Behaviour in Neutralisation and Transfer Page 17
- Behaviour in Neutralisation and Transfer with speed limit Page 18

6. Troubleshooting table

- Troubleshooting table Page 19

IRIS Device



Mounting Bracket



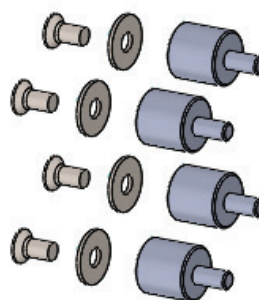
Power Cable



Cable Clamp

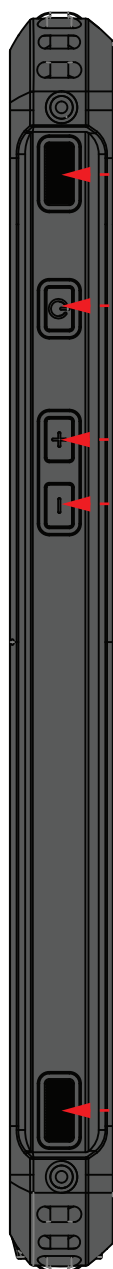
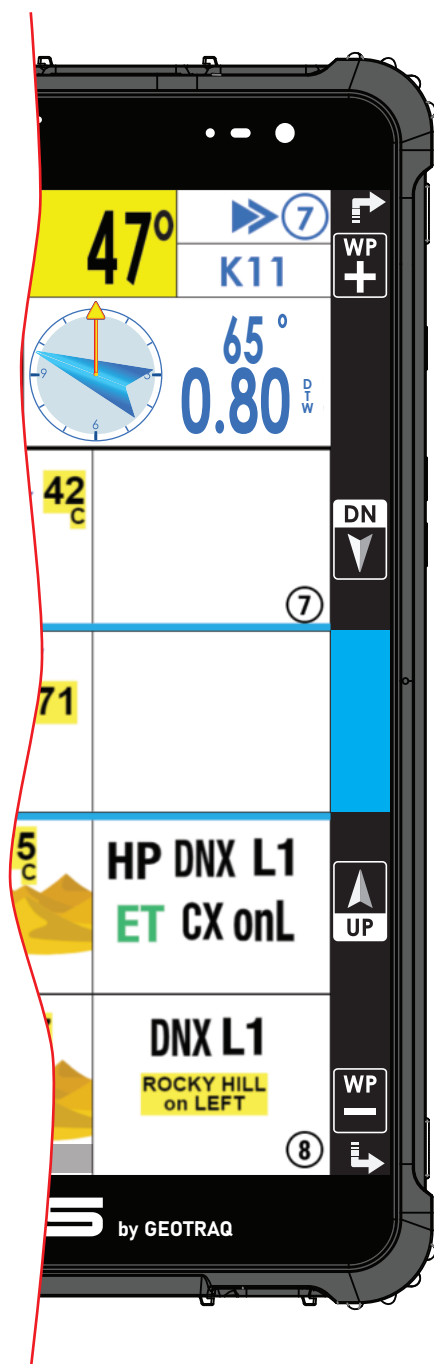


Rubber Mounts



Physical buttons

- Positioned on the right side of the device



Target Waypoint Ahead (WP +)

Screen ON / OFF

Increase Total Odometer

Decrease Total Odometer

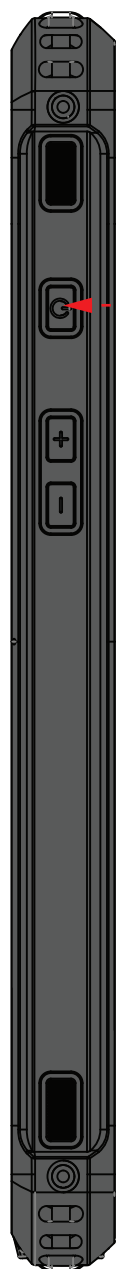
NOTE!

Volume can be adjusted with those buttons ONLY before opening a Road Book.

Target Waypoint Behind (WP -)

Step 1

- PRESS Screen ON / OFF button to wake up the screen.



Screen ON / OFF

Step 2

- A list with Road Books will be displayed. Only five Road Books, can be seen at the same time. By sliding you can see the whole list of Road Books.



Step 3

- Open selected roadbook by pressing the Blue Button.



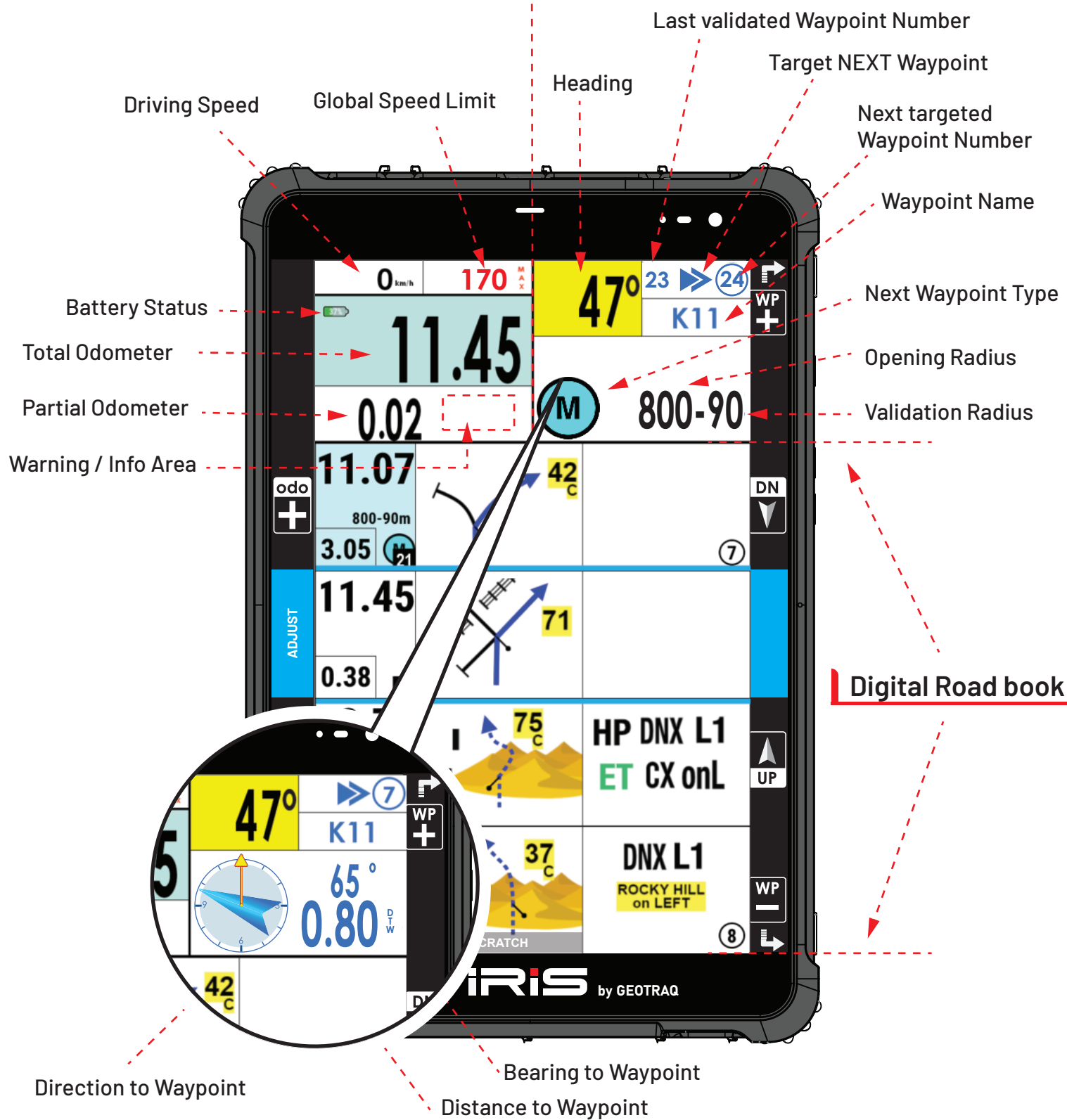
NOTE!

Orange rectangle will appear with text: "Waiting for GPS fix.." to warn you if the GPS fix is not acquired yet.



Odometer Overview

Navigation Overview



NAV-GPS - When in opening radius

Virtual Buttons

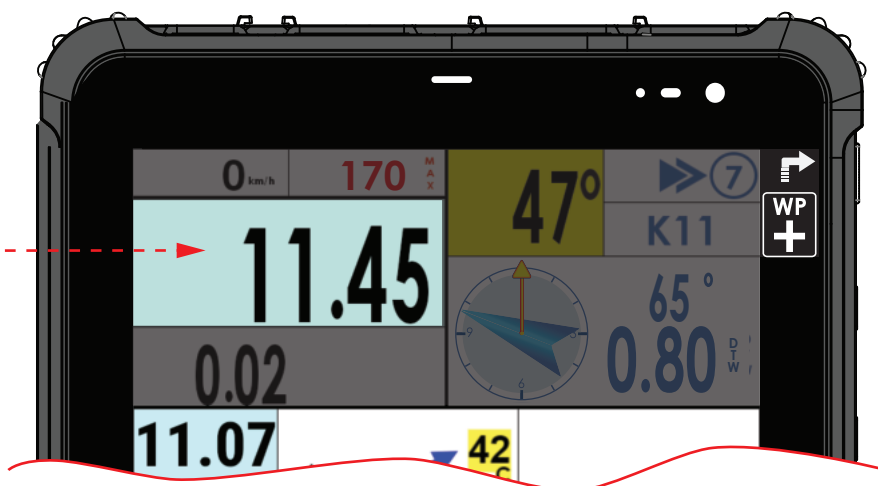
- Rectangles in red color show active area of the Virtual Buttons



Edit Total Odometer

1.

- LONG PRESS the area of Total Odometer



2.

- Enter Total Odometer value and confirm with **OK**



3.

- Press here to Exit function

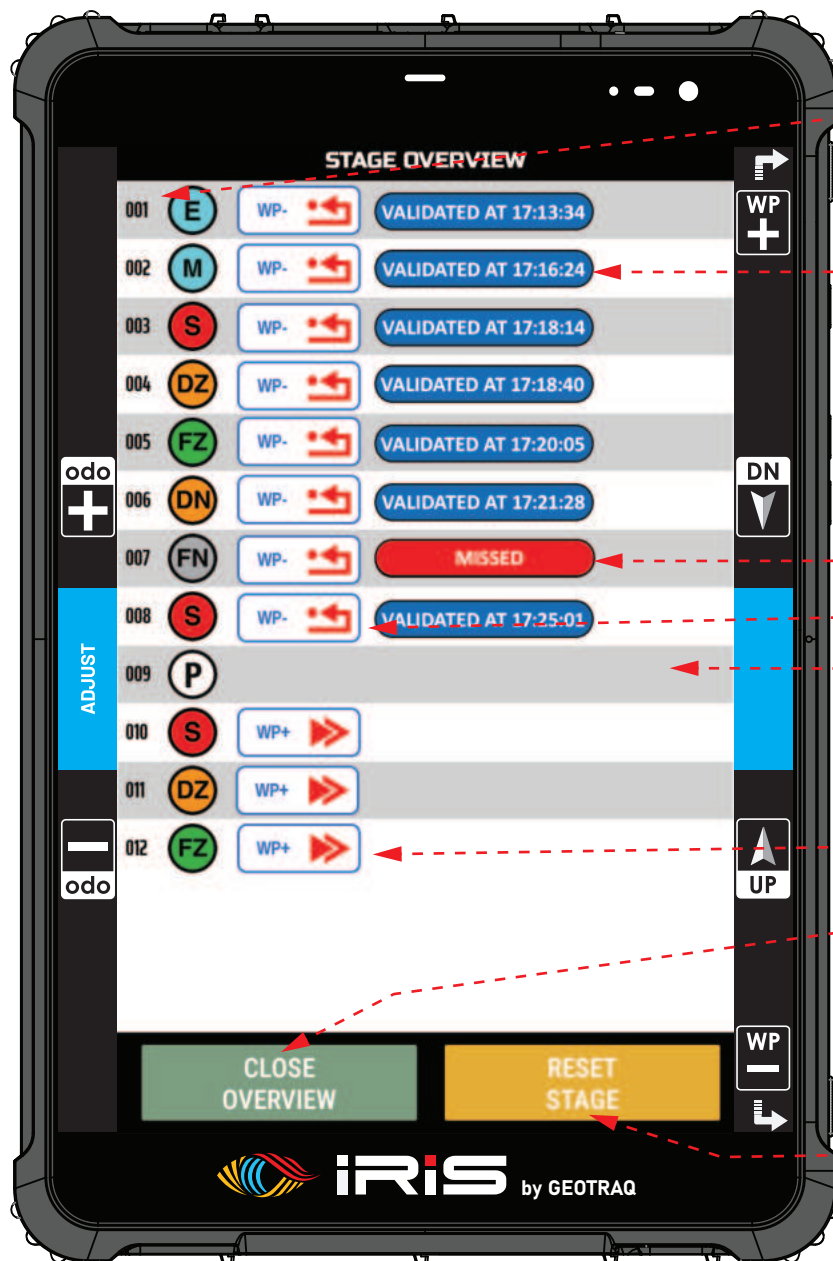
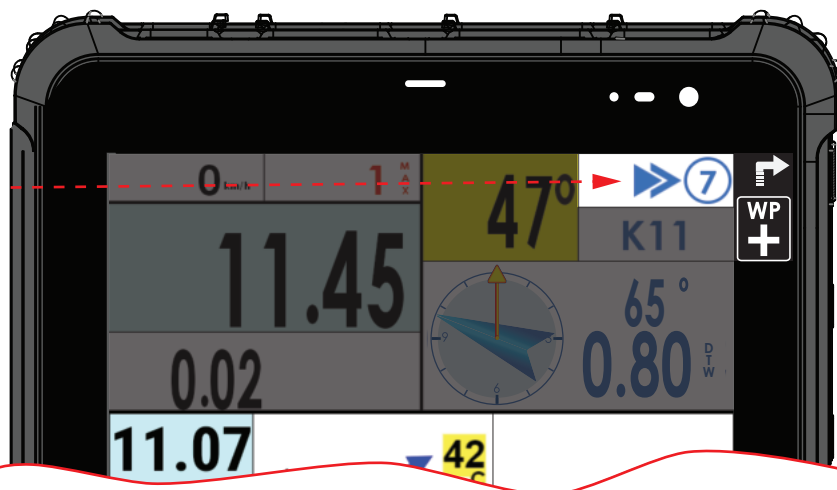
Stage Overview

1.

PRESS for Stage Overview

2.

• Waypoint Overview Screen will be displayed



List of Waypoints in Chronological Order

Validation Time Stamp

Waypoint MISSED

Target Waypoint Behind (WP -)

Currently targeted Waypoint

Target Waypoint Ahead (WP +)

PRESS to exit Overview and return to Road Book

WARNING

ONLY USE WHEN SURE!!!

PRESS to RESET Road Book

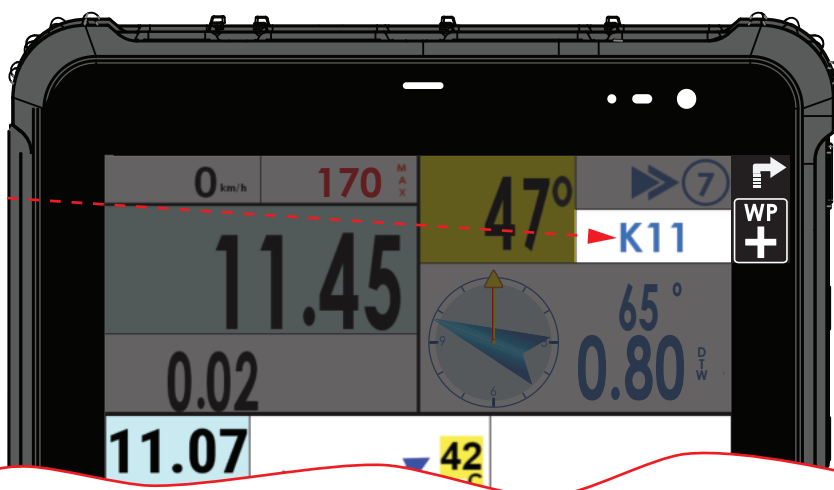
A dialog window will be displayed and will require confirmation

* All stage data and progress will be lost!!!

How to edit Settings

1.

PRESS to enter Settings



2.

PRESS to close Settings and return to Road Book

GPS related settings

Control Settings

Road Book Settings

Brightness Adjustment

PRESS to exit Road Book and return to Road Book List



How to EXIT and CHANGE Road Book

1.

PRESS to enter Settings



2.

On the bottom of Settings window
PRESS to exit Road Book



3.

Back to
SELECT ROAD BOOK



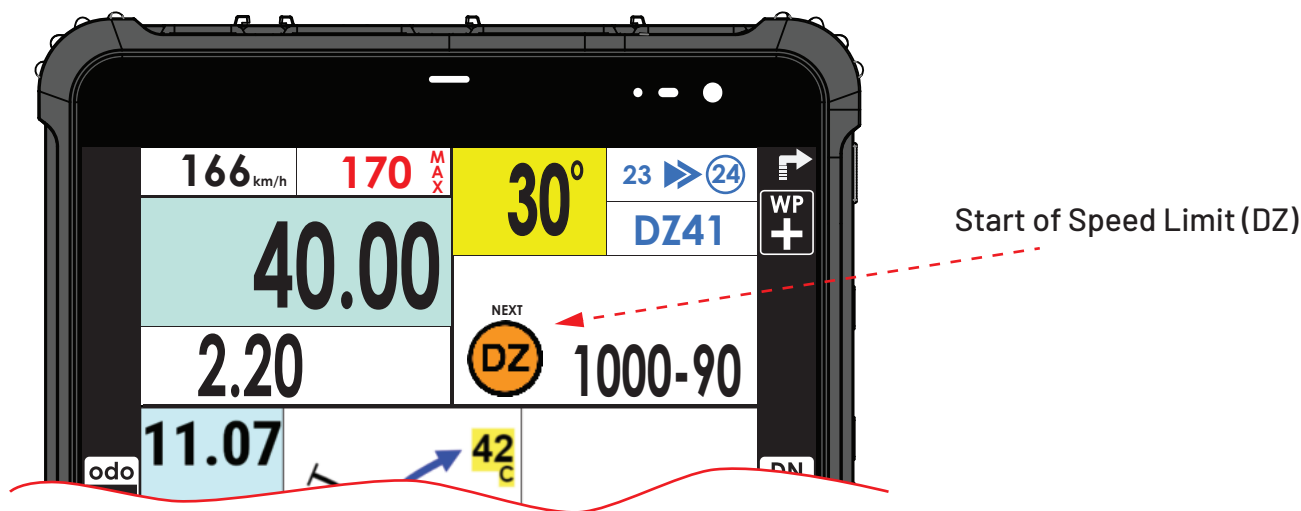
4.

SELECT ROAD BOOK

Behaviour in Speed Limit

1. Heading to Speed Limit

- Start of Speed Limit (DZ) is displayed as NEXT Waypoint in the Navigational part of the screen.



2. Entering of Speed Limit - 50 km/h, deacceleration tolerance distance - **NO PENALTIES**

- The validation of the DZ Waypoint marks the beginning of the Speed Limit Zone. An Orange Frame around the screen will appear and the speed limit, in this case 50 km/h, will be displayed instead of the Global Speed Limit. The orange background with black figures shows that you are in the deacceleration tolerance distance where no penalties for speeding will be applied. See FIA Sporting Regulations. **Driving speed is below the speed limit - Diagram 1**

Driving Speed **BELOW** Speed Limit

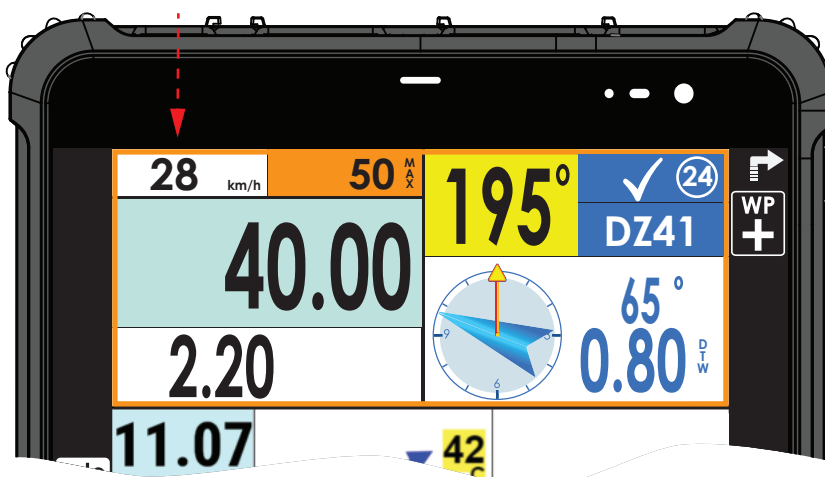


Diagram 1

- If the current speed is higher than the speed limit, the Current Speed Indicator is flashing with red background and white figures, combined with warning sound.

Driving speed is above the speed limit - Diagram 2

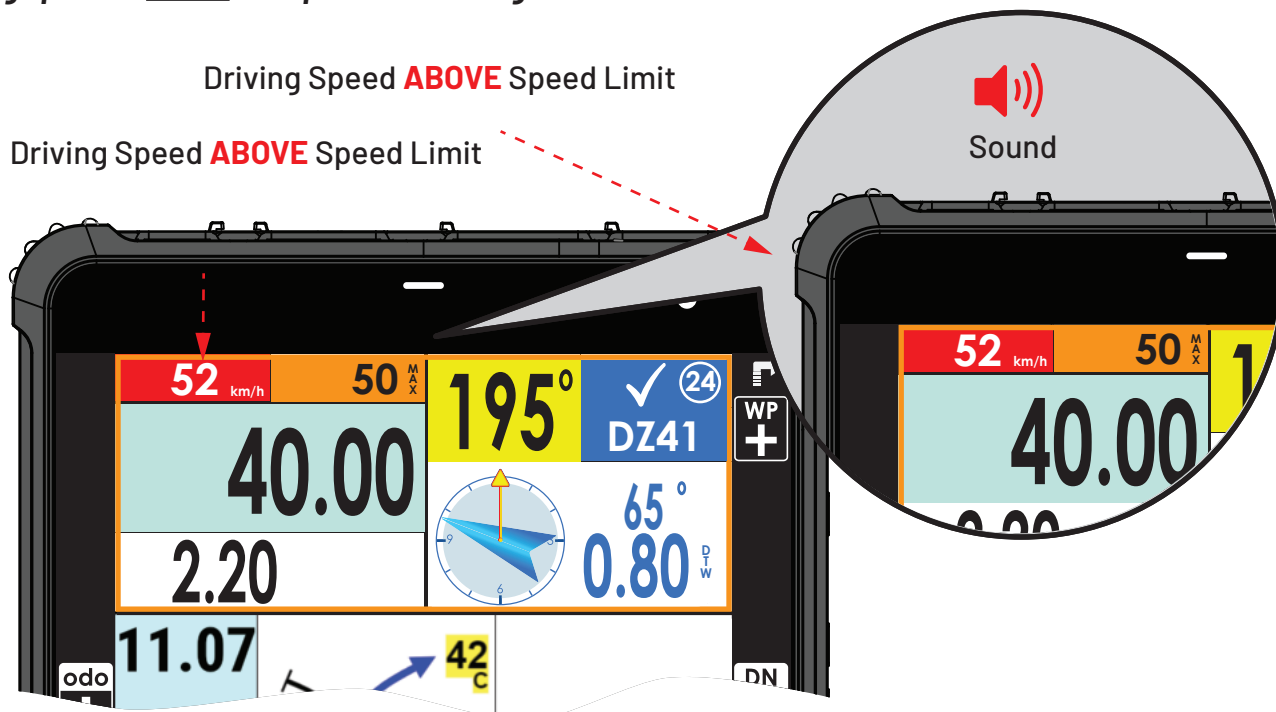


Diagram 2

3. Inside of Speed Limit - 50 km/h, past deacceleration tolerance distance - **PENALTIES APPLY**

- Past deacceleration tolerance distance penalties will be applied if the driving speed is higher than the speed limit. The speed limit indicator changes its background from orange to white and the color of the figures from black to red. The orange frame around the screen stays on. Warning sounds become more frequent when driving speed comes closer to speed limit.

Driving speed is below speed limit - Diagram 3

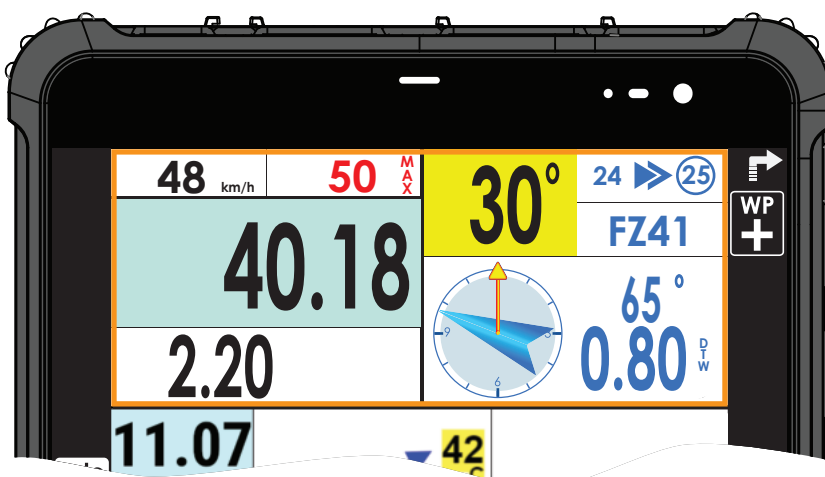


Diagram 3

- If the driving speed is higher than the speed limit, the Driving Speed Indicator is flashing with red background and white figures, combined with warning sound.

Driving speed is above the speed limit - Diagram 4

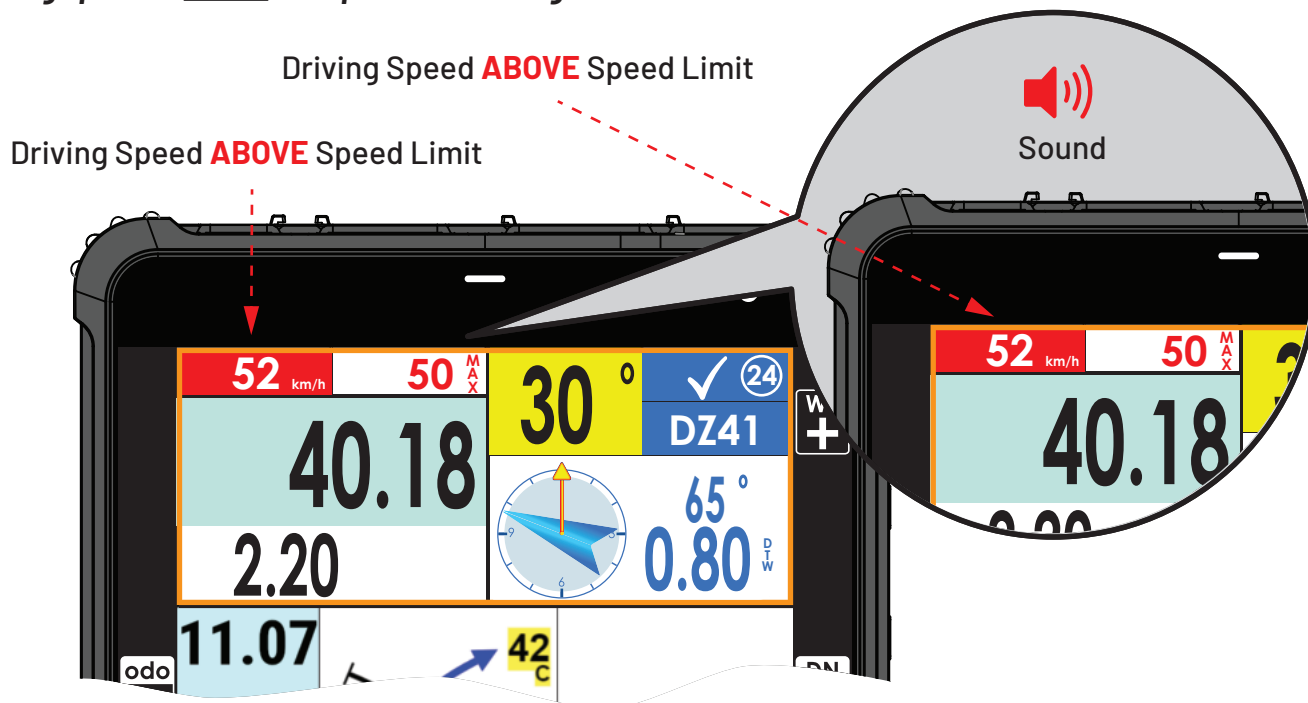


Diagram 4

4. Finish of Speed Limit

- The validation of the waypoint Finish of Speed Limit (FZ) marks the end of the speed limit zone. The orange frame around the screen is turned off. The Global Speed Limit replaces the speed limit indicator. Acceleration can begin.

See Diagram 5

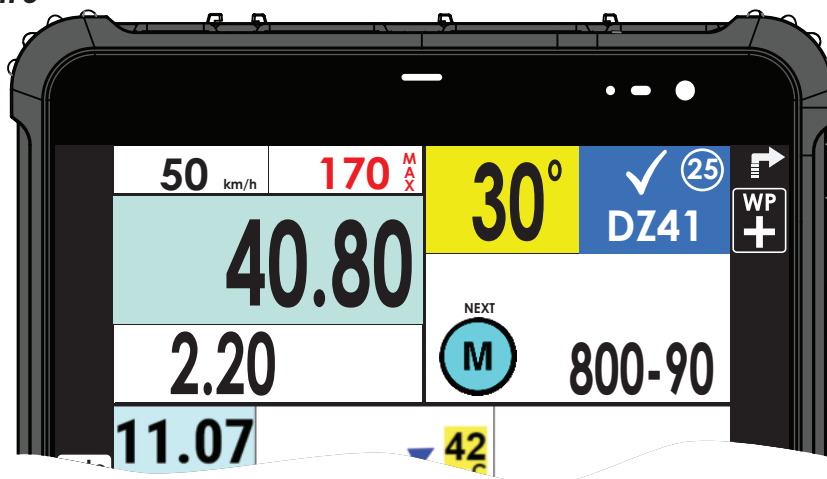
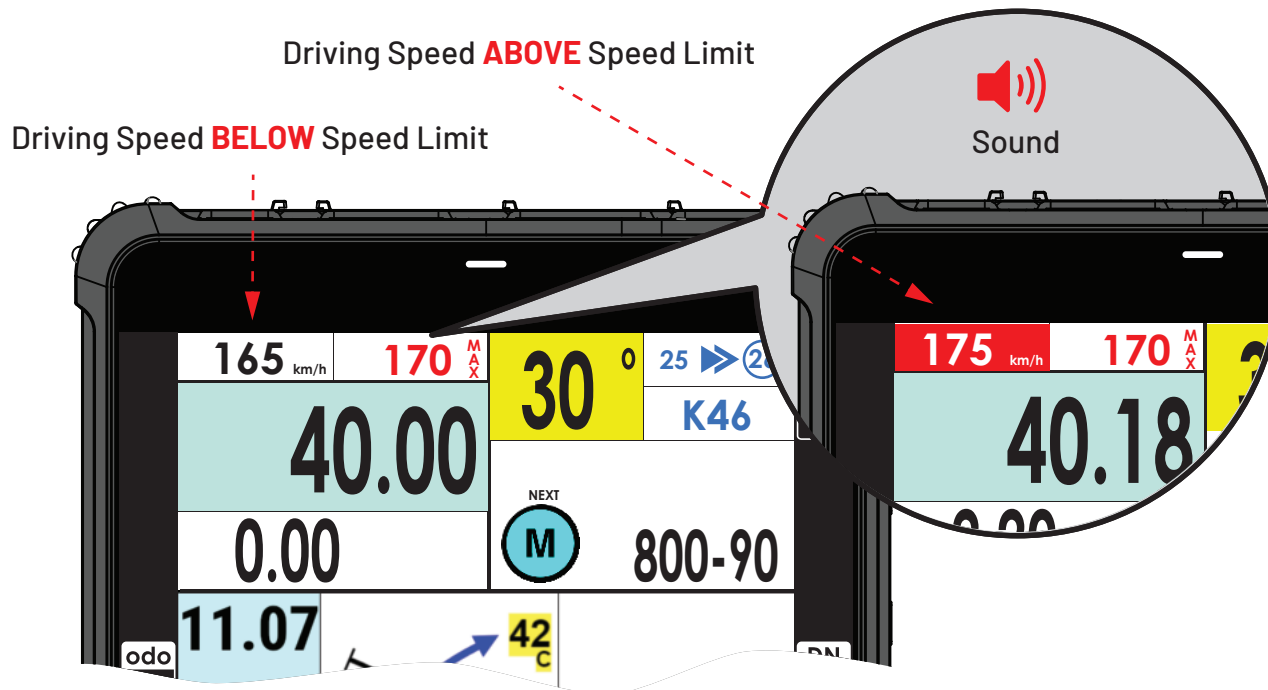


Diagram 5

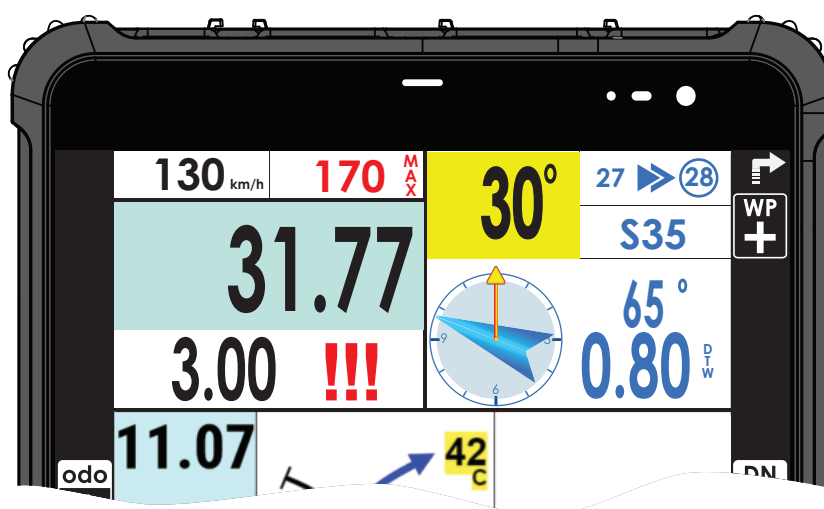
Warning for Global Speed Limit

- If the driving speed is higher than the Global Speed Limit, the Current Speed Indicator is flashing with red background and white figures, combined with warning sound.



Warning for Safety Waypoint - Danger Level 3

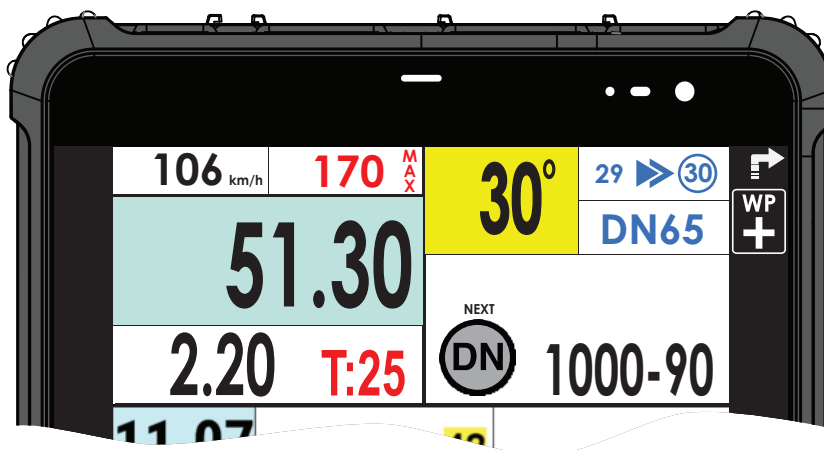
- 300 meters before the validation of the Safety Waypoint the symbol of Danger Level 3 will appear flashing in the Warning / Info Area of the screen together with a repeated warning sound. When the Safety Waypoint is validated the symbol Danger Level 3 disappears and the warning sound stops.



Behaviour in Neutralisation and Transfer ⓓ and ⓓ

1. Heading to Neutralisation

- 300 meters before the start of Neutralisation the Time for Neutralisation will be displayed in the Warning / Info Area of the screen (in this case T:25).



2. Start of Neutralisation

- When the Waypoint for Start of Neutralisation (DN) is validated, a reverse time counter appears in the Warning / Info Area of the screen and starts counting back the time for Neutralisation.

See Diagram 6 and 7

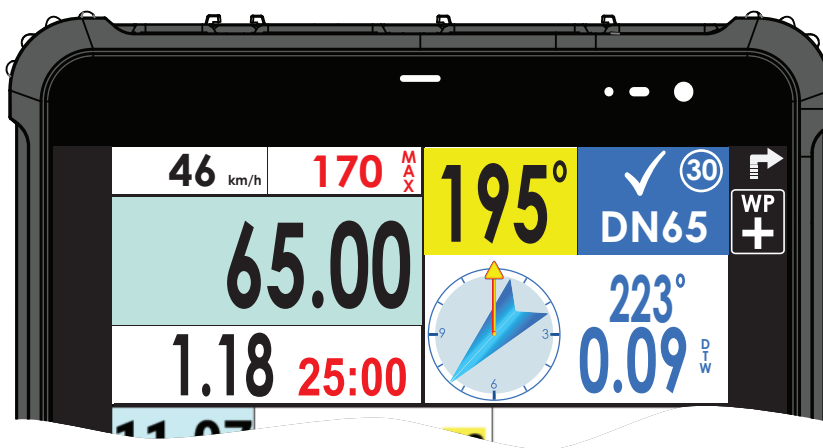


Diagram 6

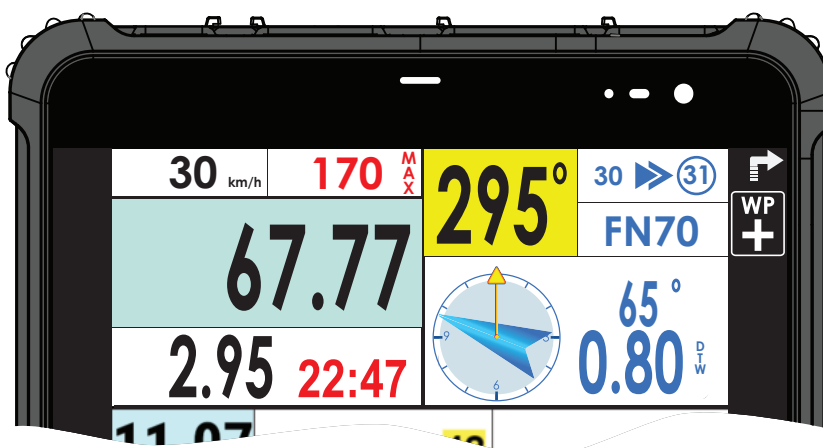


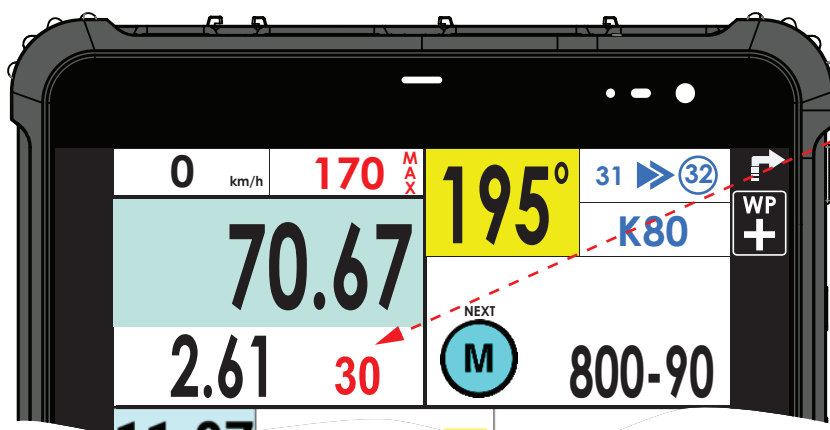
Diagram 7

3. Finish of Neutralisation

Having arrived at the end of the Neutralisation (FN), the Competing Vehicle must stop and wait in front of the Sign with the Start symbol on yellow background, from where the vehicle may enter the Validation Radius of the FN Waypoint 60 seconds before its individual start time and be driven to the start line. (START Symbol).

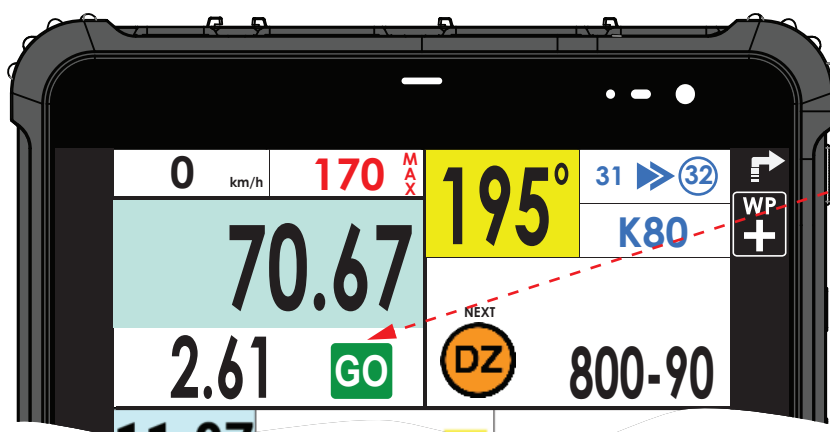


Vehicle must move to the restart line (Sign with Start Symbol in red background)



A sound will play at remaining time for restart:

- 30 sec
- 5 sec
- 4 sec
- 3 sec
- 2 sec
- 1 sec



The countdown is over and the vehicle must start



GO longer beep sound

Behaviour in Neutralisation and Transfer with Speed Limit and

• The device manages Neutralisation / Transfer and Speed Limit combining the functionalities described in the two previous paragraphs.

Troubleshooting

Problem	Solution
Screen doesn't turn ON	Charge the device.
The Blue button OPEN ROAD BOOK is missing because GPS signal acquired	Bring the device outside and ensure unobstructed view to the sky. Once GPS signal is acquired the Blue button will appear
On the blue button instead of OPEN ROAD BOOK a reverse timer is displayed	The road book will open after a preset time, defined by the organizer. Once the reverse timer has finished, OPEN ROAD BOOK will be displayed.
The touch screen is not working	Unlock the screen with LONG PRESS over area of Driving Speed, on top left corner of the Screen
Increasing Brightness	The Brightness can be increased from Settings menu. See Page 10

Tips before Start

1. Ensure that the charging cable is directly connected to the car battery.
2. The cable must stay always connected and supplying the Device with constant 12V even when the vehicle is switched OFF.
3. LED light should illuminate on the top right corner if everything is properly connected.
4. If the device battery is LOW the LED light will illuminate RED and it will blink.