

USER MANUAL CERTT 3.9.



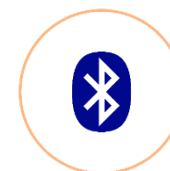
IP67



4G



WIFI



BLUETOOTH



ALTA CAPACIDAD



ROAD BOOK DIGITAL



GPS



TRACKING



NAVEGACIÓN



MOTOS · COCHES



ALTA RESISTENCIA



ANTIRREFLEJOS



274 x 186 x 45 mm



0.992 Kg



NOTIFICACIONES VISUALES Y ACÚSTICAS

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1. INTRODUCTION

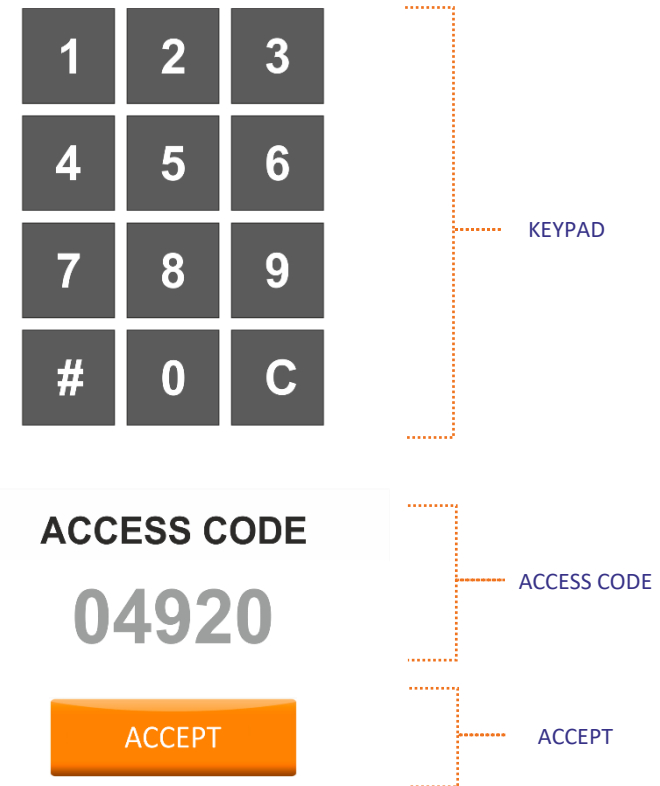
CAP ROAD device is designed for use in off road events, and this version is specifically for use in CERTT (All road rallyes spanish championship)

In a single device, all the elements needed for off road navigation are shown: odometer (upgradable total and partial), speed, roadbook, visual and acoustic alerts for speed limits and danger zones, gps information, overtaking, neutralized zones, ...

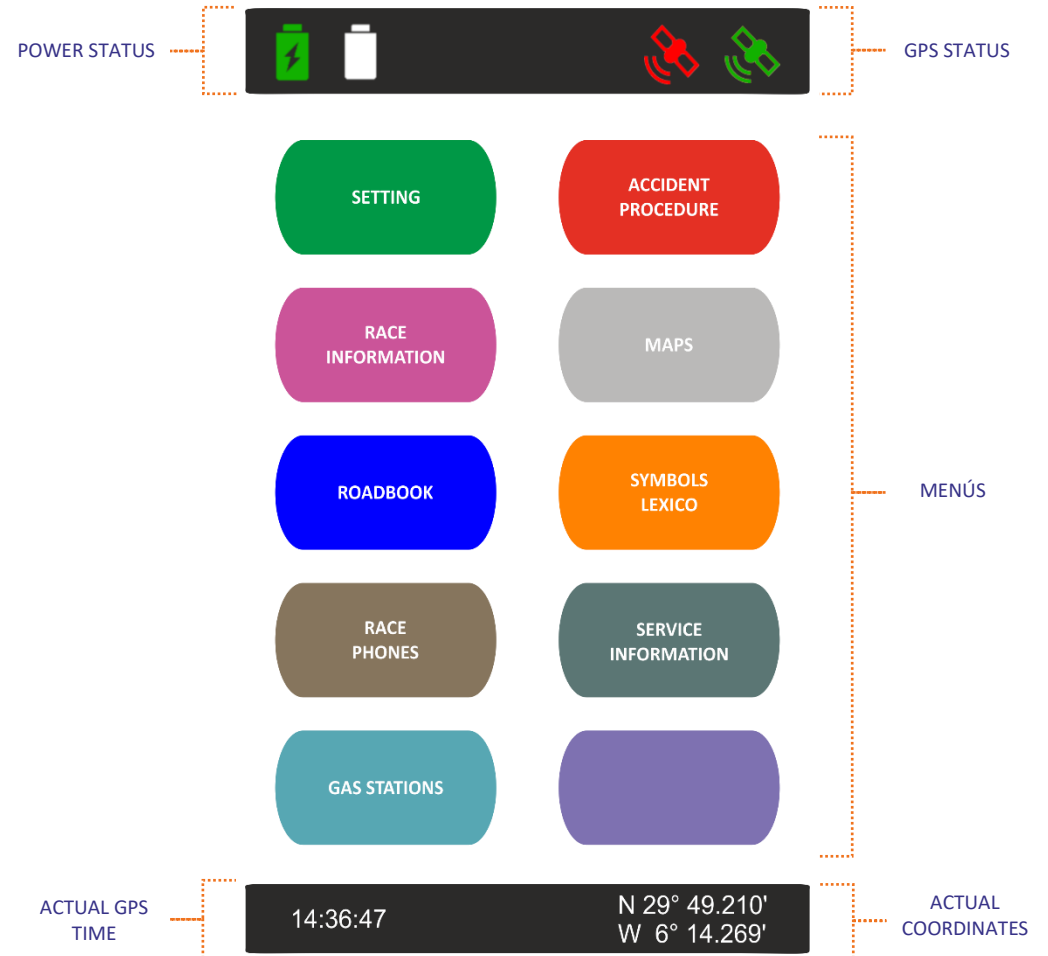
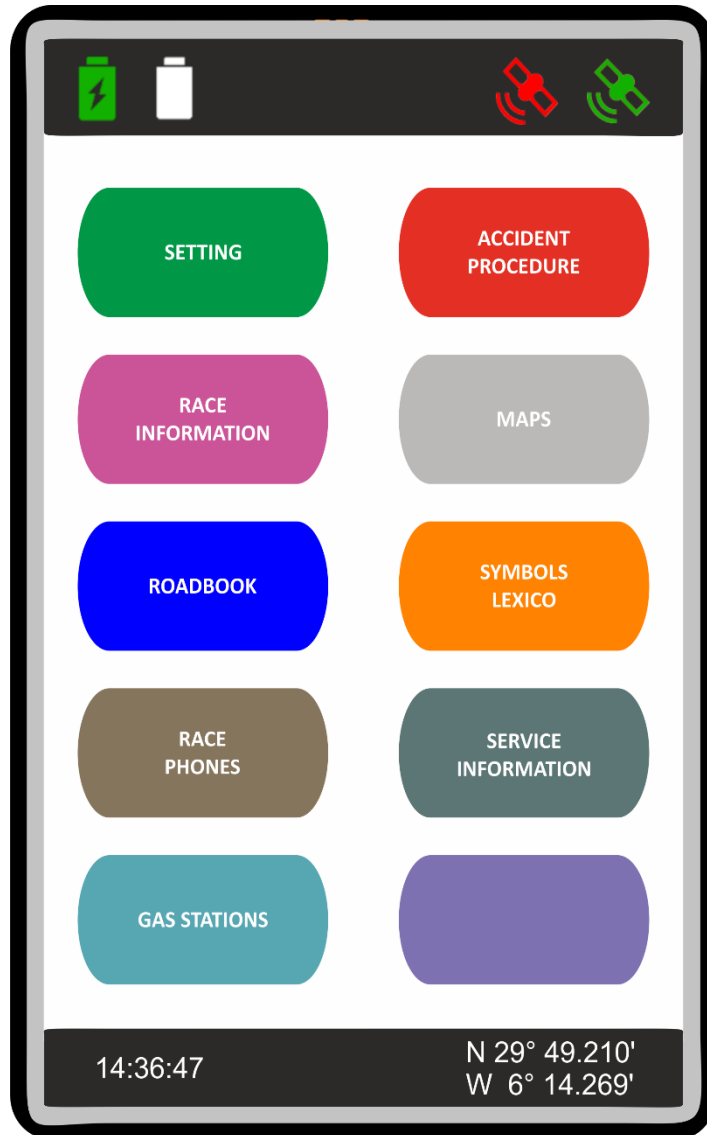
There are several screens for an easy and intuitive use of all functionalities.

2. SCREENS

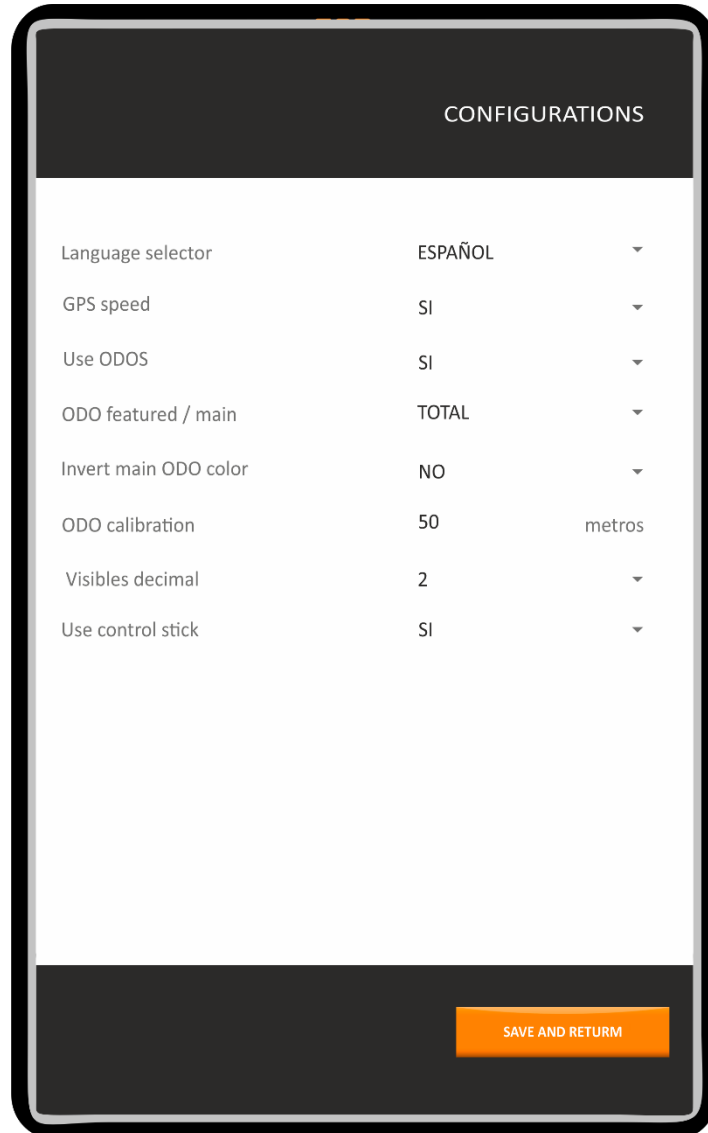
2.1. Login screen



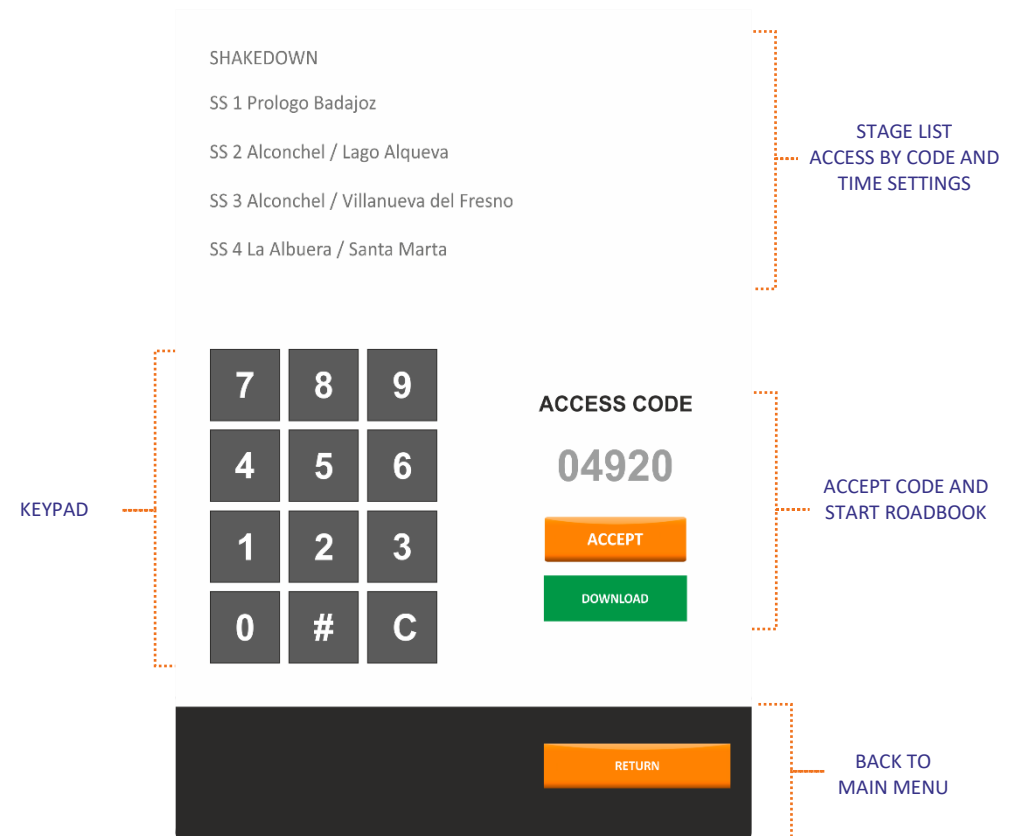
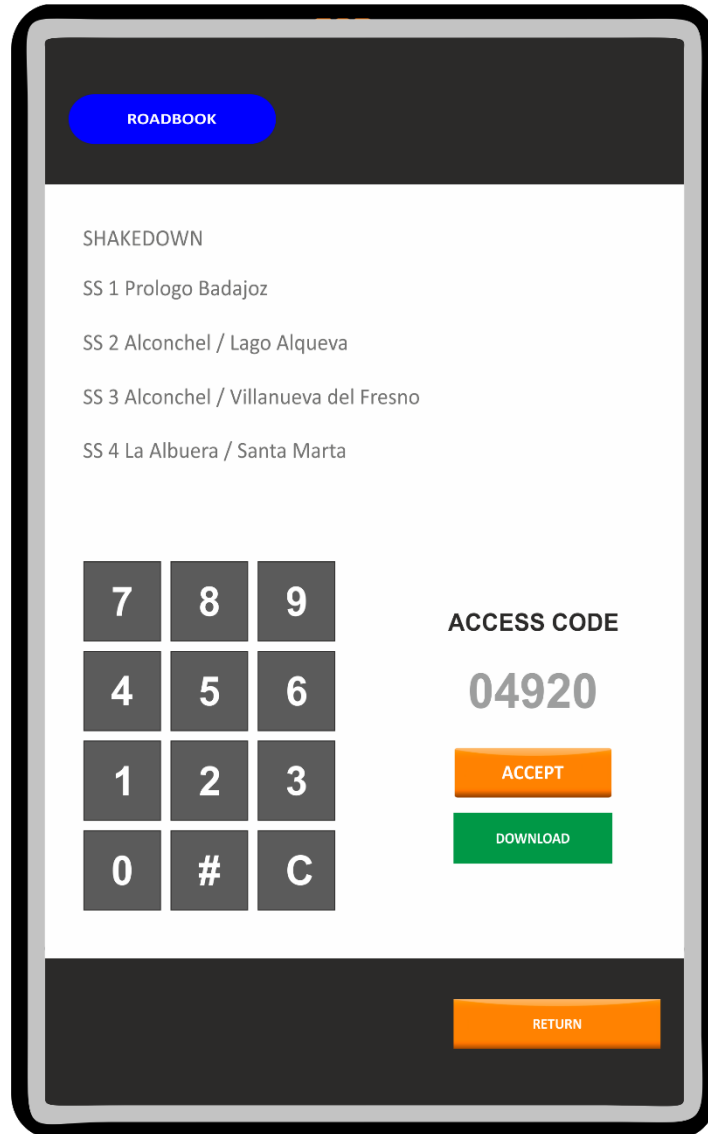
2.2. Menu screen







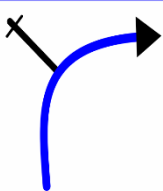


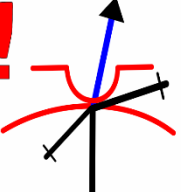
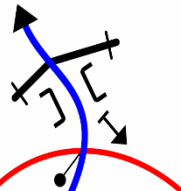
2.3. Device configuration screen





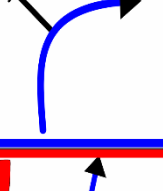


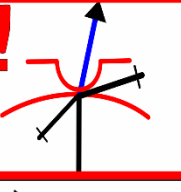
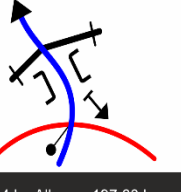


2.4. Stage selection screen



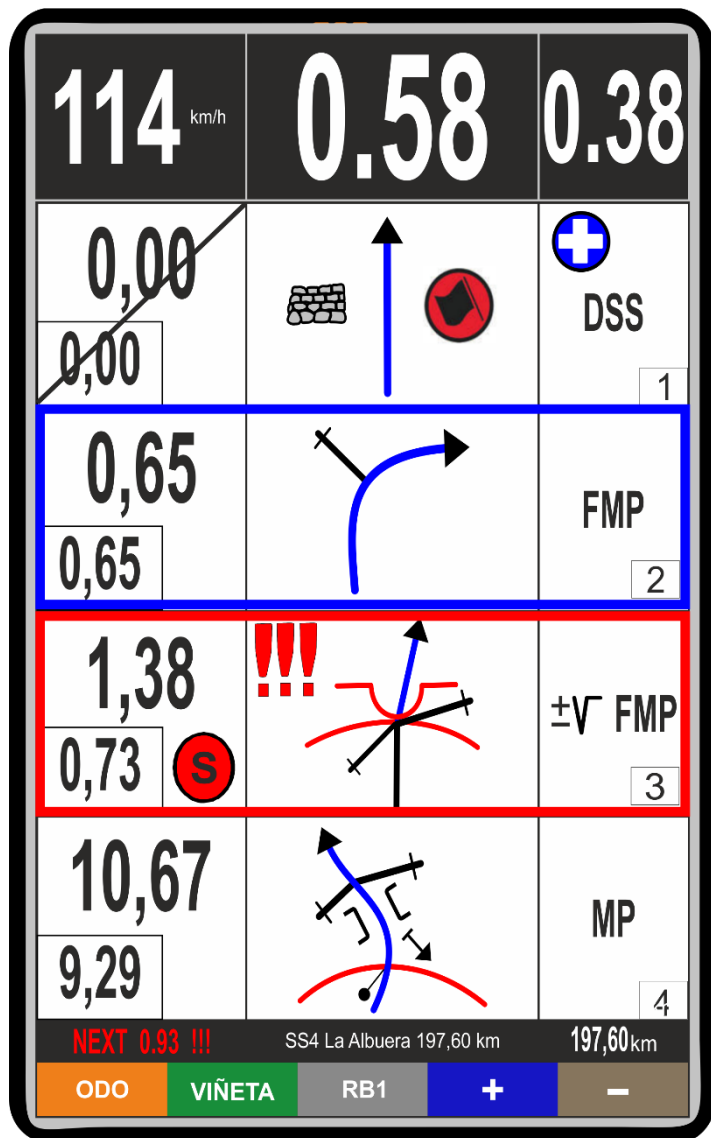
2.5. Navigation screen (command mode)

114 _{km/h}	0.58	0.38
0,00 0,00	  	 DSS 1
0,65 0,65		FMP 2
1,38 0,73 	 	±V FMP 3
10,67 9,29		MP 4
NEXT 0.93 !!! SS4 La Albuera 197,60 km 197,60 km		

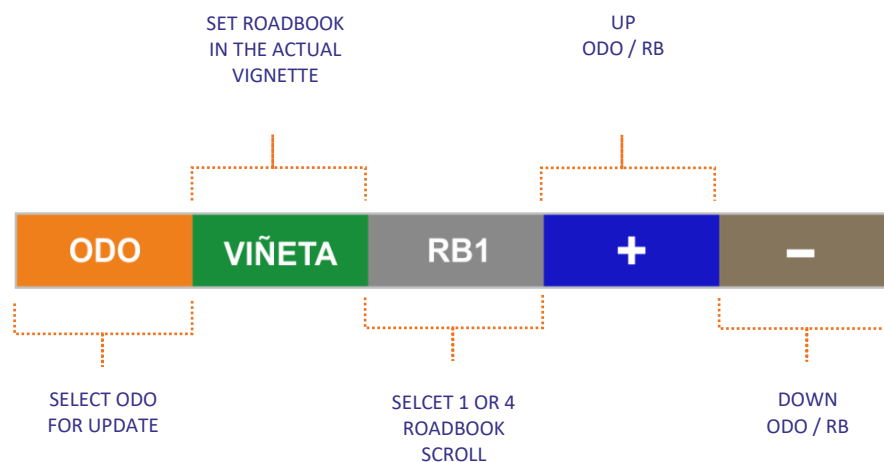
SPEED KM/H	MAIN ODO TOTAL/PARCIAL	SECONDARY ODO TOTAL / PARCIAL
114 _{km/h}	0.58	0.38
0,00 0,00	  	 DSS 1
0,65 0,65		FMP 2
1,38 0,73 	 	±V FMP 3
10,67 9,29		MP 4
NEXT 0.93 !!! SS4 La Albuera 197,60 km 197,60 km		

INFO NEXT SS NUMBER/NAME REGRESSIVE ODO FROM LAST CHECKED VIGNETTE

2.6. Navigation screen (tactile mode)



Tactile mode is selected by pressing upper button in device lateral.
ACCESS TO FUNCTIONS SCREEN (See point 4)



2.7. Actual stage information screen

114 km/h
0.58
0.38

Stage Information

DORSAL	75
STAGE	SS4 LA ALBUERA
START TIME	9:35:00
END TIME	00:00:00
TOTAL KILOMETERS	0,00
SPEEDING DZ / FZ	0
MAXIMUM SPEEDING	0

20:27:44
N 42° 52.856' W8° 31. 674'

TOUCH MODE
MENÚ
RETURN

Stage Information

DORSAL	75
STAGE	SS4 LA ALBUERA
START TIME	9:35:00
END TIME	00:00:00
TOTAL KILOMETERS	0,00
SPEEDING DZ / FZ	0
MAXIMUM SPEEDING	0

GPS TIME 20:27:44
N 42° 52.856' W8° 31. 674' GPS COORDINATES

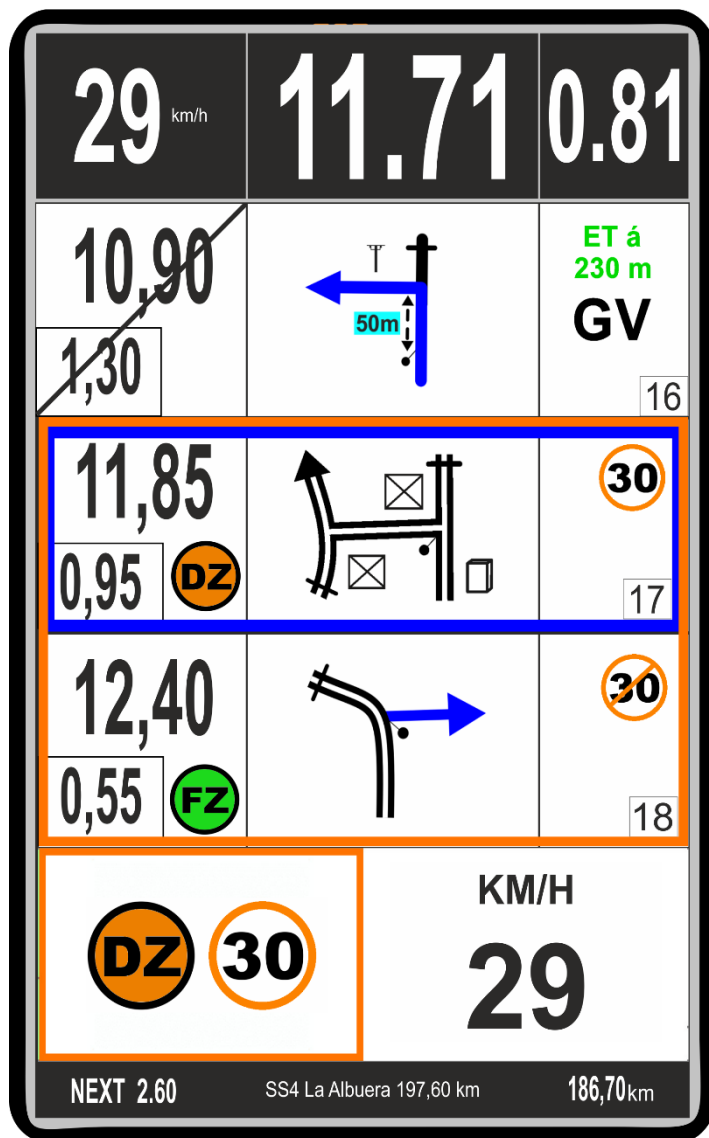
TOUCH MODE
MENÚ
RETURN

CHANGE MODE
COMMAND /
TACTILE

EXIT TO MAIN
MENU

BACK TO
ROADBOOK

2.8. Visual and sound alerts (DZ / FZ)

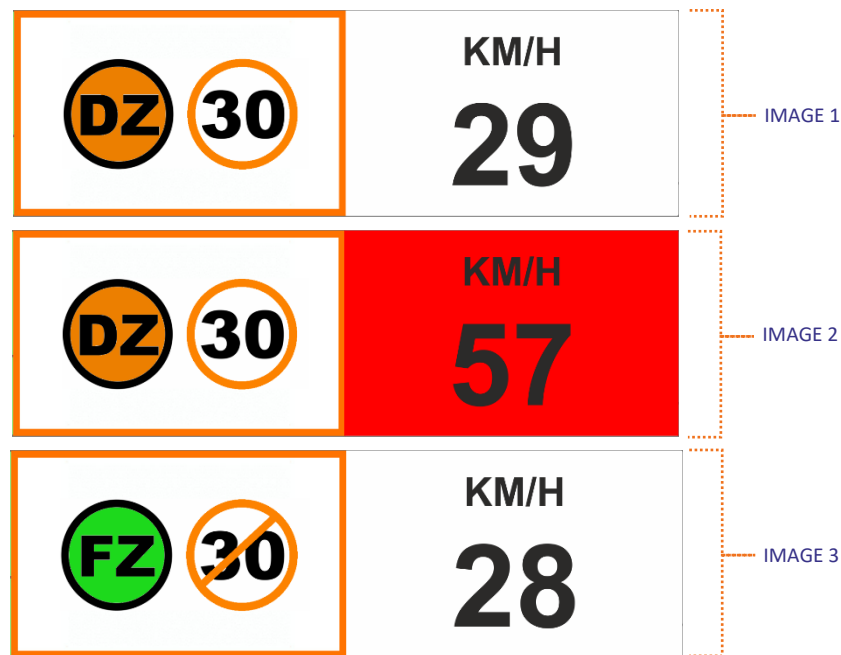


How does it works (DZ /FZ)

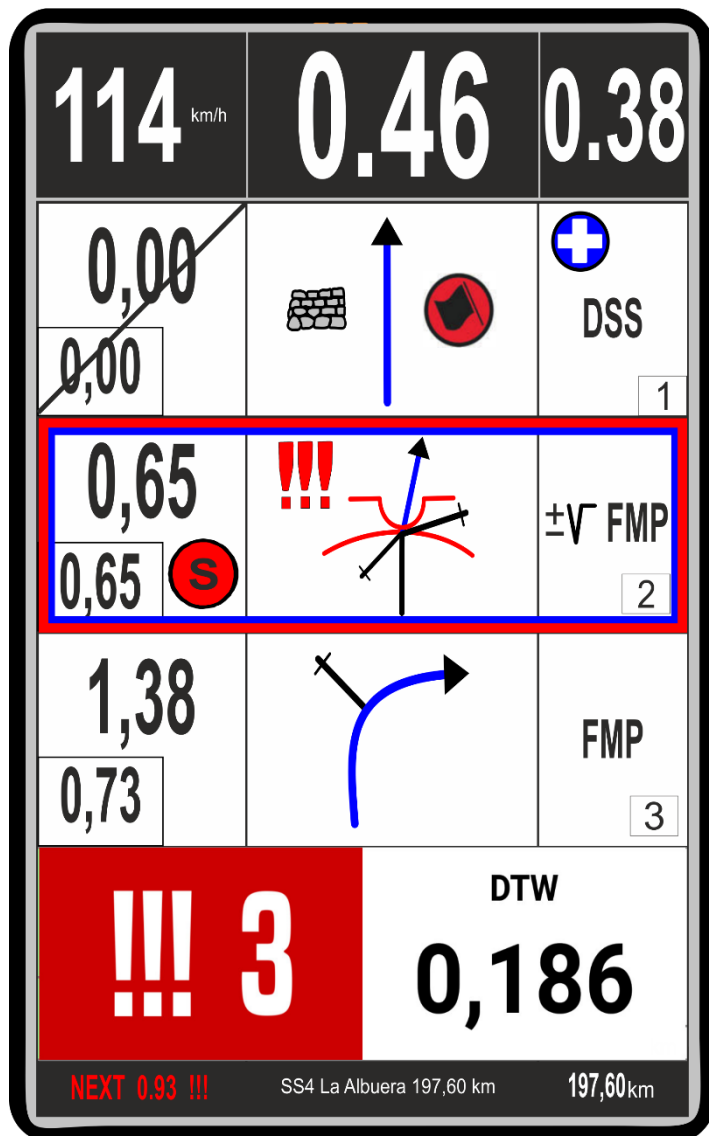
This kind of alerts are activated when competitor is inside validation radius. A new panel is shown at the bottom of the screen and acoustic alert (1 beep) (image 1)

While be inside the speed control zone, it will show the speed. If overspeed occurs a red background will appear (image 2)

All the alerts information will disappear once the FZ is validated (end speed zone) and will appear the appropriate vignette to the roadbook (image 3)



2.9. Visual and sound alerts (DANGER)



How do danger alerts work (danger !! y !!!)

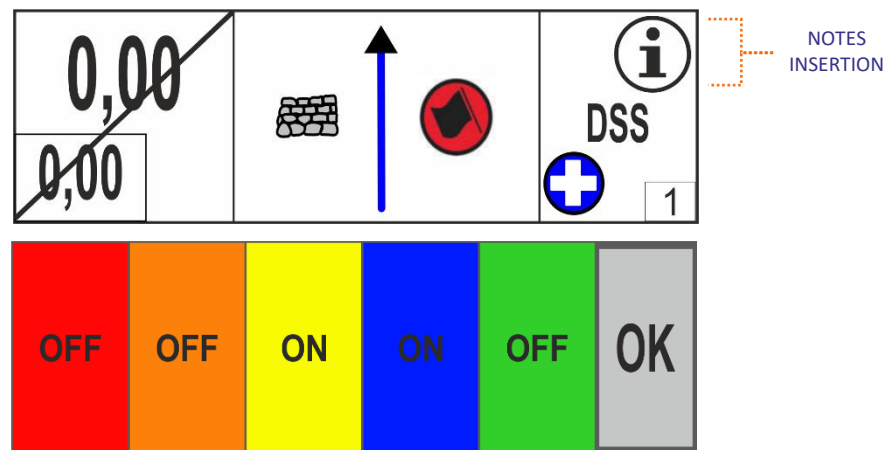
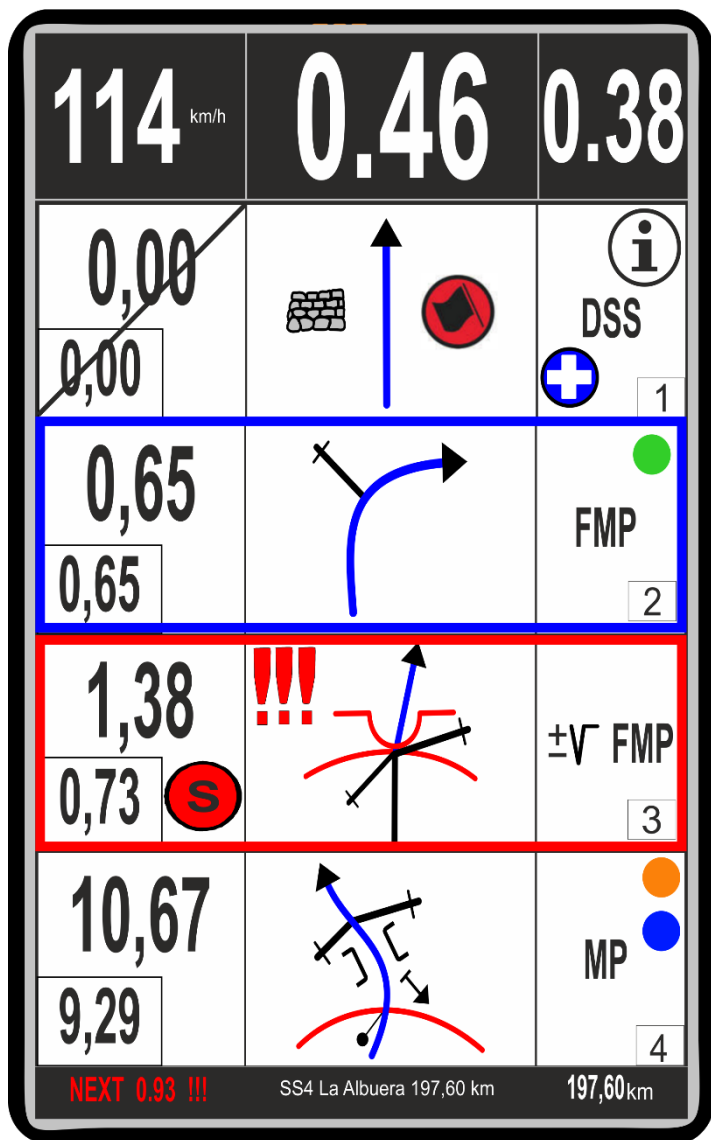


This alerts, danger !! and !!!, have an approximation radius setted by organization (initially 200 meters)

Once be inside the radius, a new panel is shown at the bottom of the screen and also a sound alert, **two beeps for danger !!** and **three beeps for danger !!!**

At the same time, the panel shows a regresive odo to tell the distance to reach the danger point. When the point is validated, all alerts (visual and sound) are hidden and the roadbook vignette appears again

2.10. Insert notes with color codes to the roadbook (Stage repetition)



How to insert notes with colour codes to the roadbook

There are 5 colors to insert several notes to the roadbook for the next stage repetition.

It is only possible to insert note to the upper vignette.

Press "info" icon at the top-right in the upper vignette

Once the color options are displayed, just press one or many colors to set the information to the vignette, ON/OFF to set or unset the mark, and press OK button when finish

Notes added to the roadbook by co-driver

114 km/h	0.46	0.38
0,00 0,00		 DSS
0,65 0,65		FMP
1,38 0,73		$\pm V$ FMP
10,67 9,29		MP
NEXT 0.93 !!! SS4 La Albuera 197,60 km 197,60km		

0,65 0,65		FMP 	NOTE
1,38 0,73		$\pm V$ FMP 	
10,67 9,29		MP 	DOUBLE NOTE

2.11. Neutralized Zone

29 km/h	0.46	0.38
53,15 0,85 DZ		30 NEU.IN T:15mn 37
55,05 1,95	CP1 	30 38
56,00 0,95 FZ		30 ! NEU.OUT 39
NEUTRALIZED ZONE 15:00		
ENTRY 12:10:05	12:15:02	EXIT 00:10:03
NEXT 0.93 !!! SS4 La Albuera 197,60 km 197,60km		

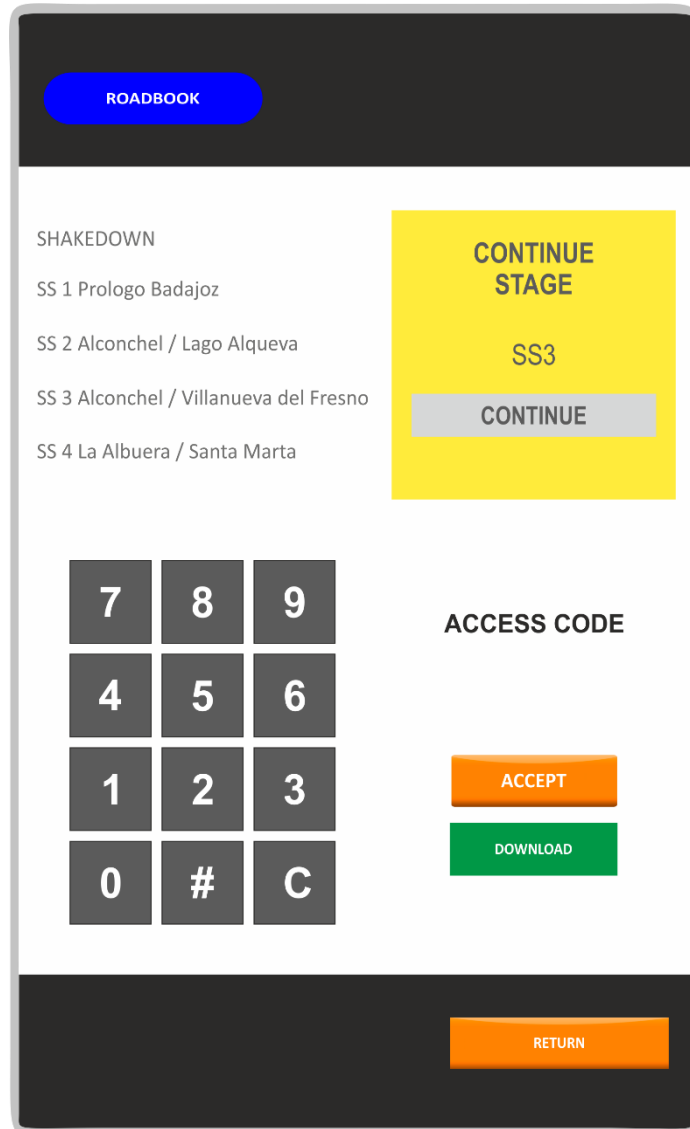
How does it work

NEUTRALIZED ZONE 15:00		
ENTRY 12:10:05	12:15:02	EXIT 00:10:03

NEUTRALIZED ZONE 15:00		
ENTRY 12:10:05	12:24:50	EXIT 00:00:15

NEUTRALIZED ZONE 15:00		
ENTRY 12:10:20	12:25:05	GO

2.12. Continue stage



ROADBOOK

SHAKEDOWN

SS 1 Prologo Badajoz

SS 2 Alconchel / Lago Alqueva

SS 3 Alconchel / Villanueva del Fresno

SS 4 La Albuera / Santa Marta

7 8 9

4 5 6

1 2 3

0 # C

ACCESS CODE

ACCEPT

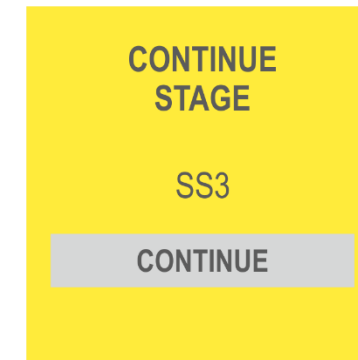
DOWNLOAD

RETURN

CONTINUE STAGE

SS3

CONTINUE



CONTINUE STAGE

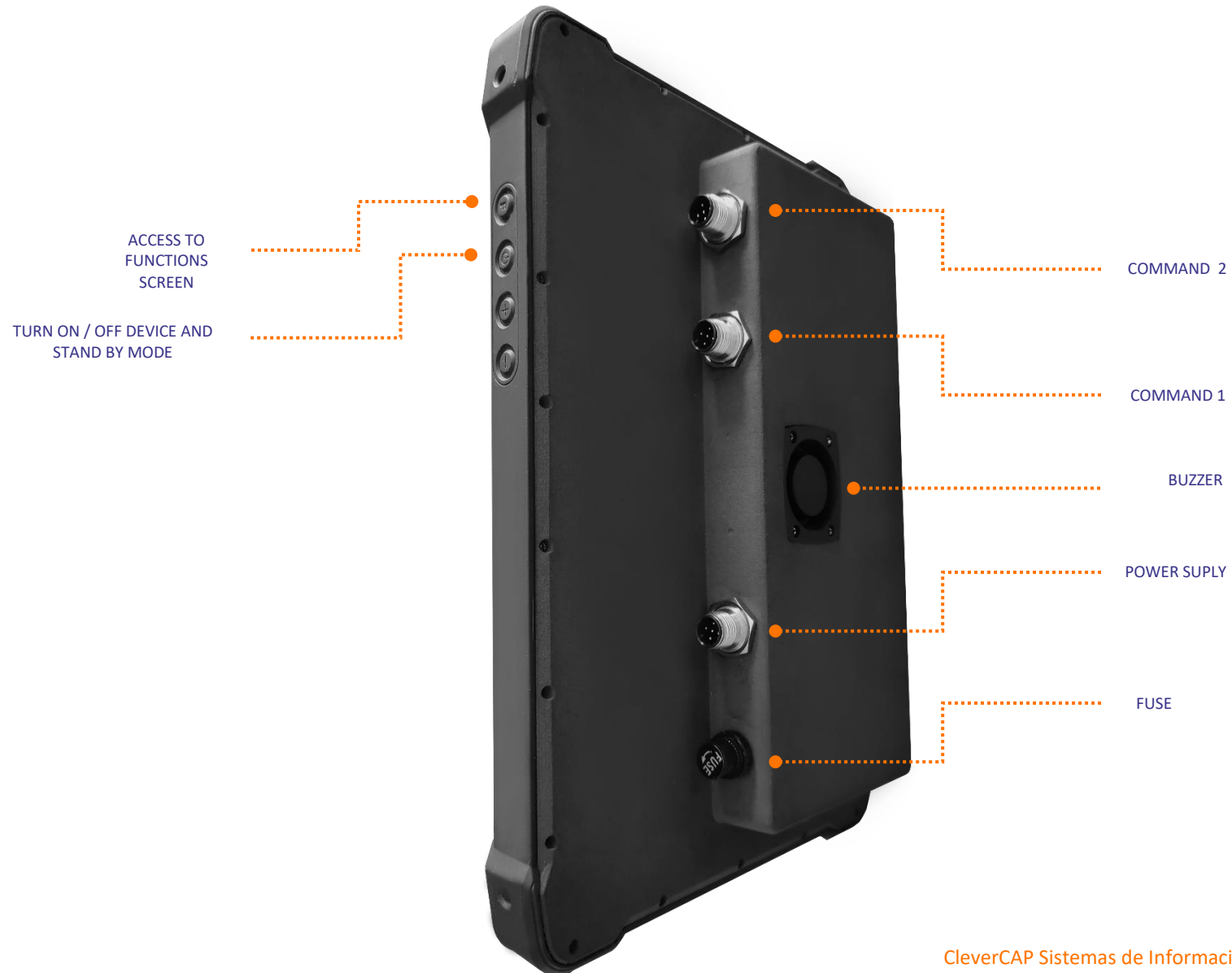
SS3

CONTINUE

When accidentally exits the current stage or an unintentional shutdown happens, the system detect it and allows to continue the navigation in exactly the previous conditions: ODO values, checked vignettes and the position in the roadbook.

Just press the "CONTINUE" button.

3. BUTTONS AND INTERFACES IN CAP ROAD



4. COMMAND FUNCTIONALITY FOR MOTORBIKES / CARS / SIDE BY SIDE / TRUKS

CAP ROAD device has two ways to control selectables by user, first one is using a comand second one is tactile way in the device's screen.

4.1. Command use

MOTORBIKES

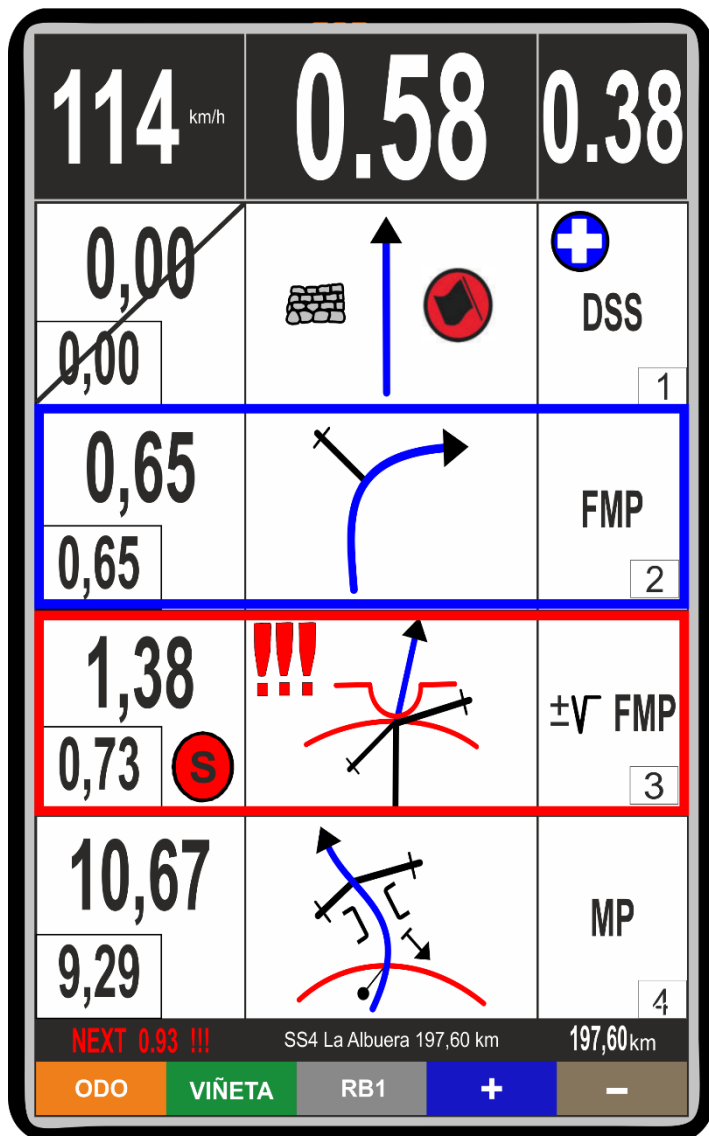


CARS / SIDE BY SIDE / TRUKS

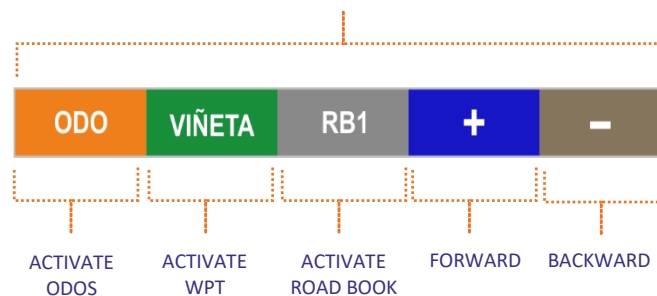


<p>SELECTION ODO PARCIAL / TOTAL TO UPDATE ORANGE COLOUR</p> <p>1 Short press: check/uncheck 2ª vignette (navigation) 2 Long press: check / uncheck 1ª vignette.</p>	<p>SELECTION UP/DOWN WPT GREEN COLOUR</p> <p>1 Press: Reset odo parcial to zero.</p>
<p>UPDATE ODO PARCIAL OR TOTAL – BLUE COLOUR</p> <p>1 Press: Go forward total odo value</p>	<p>FORWARD ROAD BOOK - BLUE COLOUR</p> <p>1 Press: Go forward roadbook.</p>
<p>UPDATE ODO PARCIAL OR TOTAL – BLACK COLOUR</p> <p>1 Press: Backguard total odo value.</p>	<p>BACKGUARD ROAD BOOK – BLACK COLOUR</p> <p>1 Press: Backguard roadbook.</p>
<p>SET ZERO ODO PARCIAL – ORANGE COLOUR</p> <p>1 Short press: Set total odo to last checked vignette. 2 Long Press: Roadbook reposition in navigation vignette.</p>	<p>CHACK/UNCHECK VALIDATION WPT – GREEN COLOUR</p> <p>1 Press: three actions at the same time – check vignette + partial odo set to 0 + go forward vignette.</p>

4.2. Tactile functions



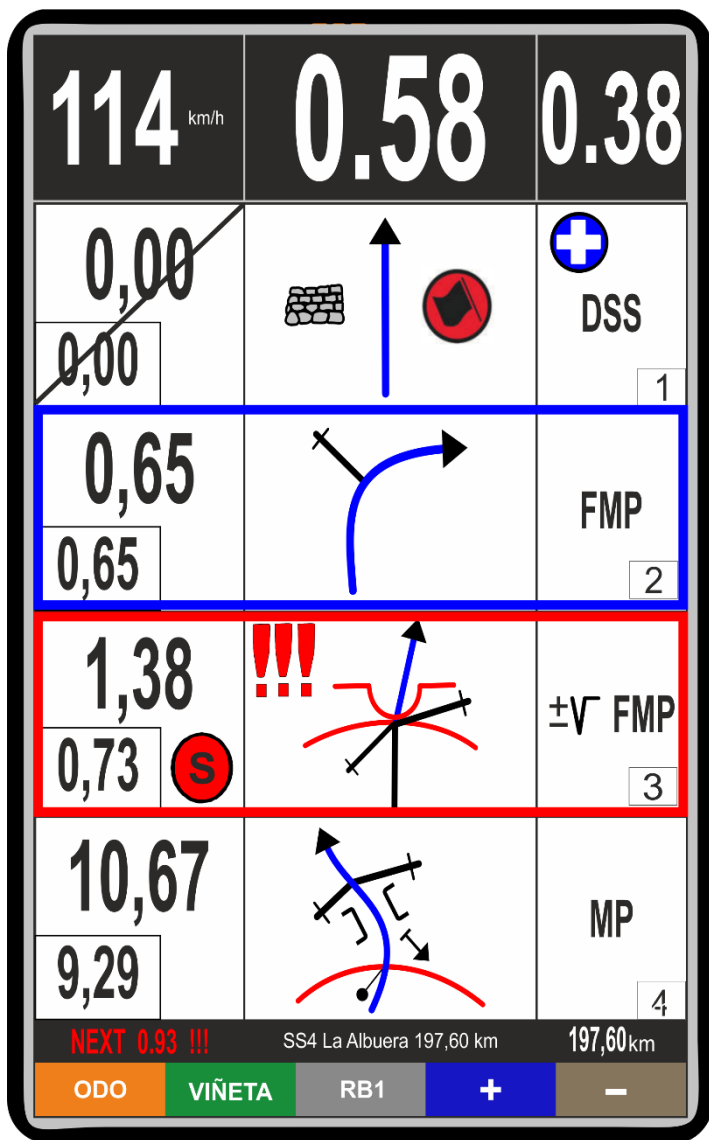
OPTIONS BUTTONS



Activate this option from the main device configuration or at any moment inside the stage if the command would stop working correctly.

Device still will show the whole GPS and Roadbook information to allow finish the stage, all functions will be available using the tactile buttons in the screen.

- ODO**
 - 1 Press for main ODO selection.
 - 2 Press for secondary ODO selection.
 - 3 Press confirm update.
- WPT**
 - 1 Reposition roadbook in navigation vignette
- RB1**
 - 1 Press RB1 go forward vignettes one by one.
 - 2 Press RB4 scroll roadbook 4 by 4
- +**
 - 1 Press to up ODO / WPT / RB.
- - 1 Press to down ODO / WPT / RB.

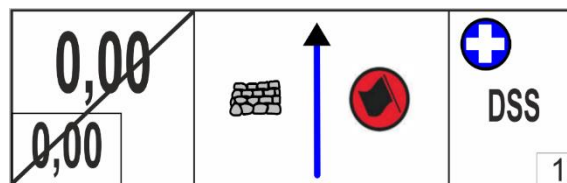


Prominent ODO (2º field)



1 Press set odo to the last checked vignette

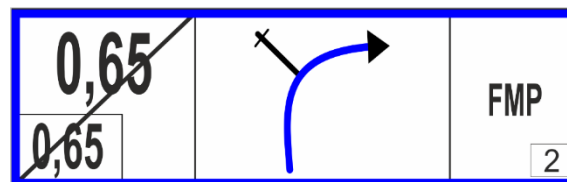
Vignette in the roadbook first line:



1ª Press to uncheck

2ª Press to check vignette

Information picture vignette in roadbook second line:



1 Press over description (3ª box) to execute three actions simultaneously:

1º. Check vignette

2º. Set partial odo to 0

3º. Go forward vignette

5. VEHICLE BRACKET CAR / SIDE BY SIDE / TRUCK

