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User Guide

GPS Unik4

Evolutions of the document

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08/12/2021	2.1	Parameters page and secondary screens	ERTF

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1 **Presentation**

In the Rallye du Maroc 2021 and Dakar 2022, the Unik4 is a complete equipment that integrates the electronic RoadBook and the GPS Unik2 with Sentinel into.

The Unik4 does the functions: electronic RoadBook+GPS+Sentinel.



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2 The screens

2.1 General screen



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2.2 **Power supply and Satellite icons**

> The cell indicates the power supply status:

No icon: All clear, power supply from the vehicle battery.

Fixed cell: Low battery, charging, power supply from the vehicle battery.

Blinking cell: Power supply from the internal battery of the Unik4; quickly review your installation before battery discharge.

> The bell indicates the sat signal status:

No icon: All clear, good signal.



Blinking bell: Sat signal from the internal antenna of the Unik4, check your installation.

2.3 With Speed limit by category



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With Speed limit zone 2.4



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2.5 Neutralization



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3 **The Unik4 buttons**



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To increase brightness

To put in standby or to wake from standby More information in paragraph 6



) / O 1 button, 2 functions: A short press to decrease brightness A long press to open the Parameters Menu; more details in paragraph 11

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4 Connection



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Remote control



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5.1 Note+ and Note-



If the roadbook parameter is "Line": A short press will move 1 line a long press will move 1 page.

If the roadbook parameter is Page: A short press will move 1 page, a long press will do the same.

forward; backward

If fast forward, an icon appears. As long as this icon is visible, we can go back to the starting line before fast forward. After 1min or if we go to standby or if another function is activated, the icon disappears and it is no longer possible to return to the starting line.



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There are two possible cases:

<u>A – No box is yet crossed out on the visible page:</u>

From the bottom of the RoadBook screen, the last unmarked box is crossed out.





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<u>B – A box is already crossed out on the visible page:</u>

From the bottom of the RoadBook screen, the last box not crossed out will be crossed out, without going beyond a box that has already been crossed out.



A short press cross out.

A long press uncrosses the last crossed box on the screen. If there is no crossed box on the screen, nothing happens.

If you stay pressing, it will uncross all the boxes.

Note: The Cross Out Button may only have an action on the visible boxes on the screen not on the other lines.

5.3 Trip+ and Trip-



A short press will increase/decrease the Odo with the value defined in the parameters.

A long press will increase/decrease the Odo more quickly.



Work as Note+ and Note- and allow navigation in the Waypoints.

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These are programmable function keys, currently only F2 is used in the TRIP MOD function.

5.6 TRIP MOD

When you press TRIP MOD, the remote control keyboard becomes keypad to enter a digital value for the Odo.



Once in TRIP MOD, you can:

	Actions on the remote control
	Close the TRIP MOD window without doing anything
(without inputting values)	Exit from TRIP MOD menu If the countdown was activated, it is disactivated
0 then	It is as doing a Total reset and you exit from the Menu
XX.XX then	You enter the total XX.XX and you exit from the Menu
F2	You go in countdown mode and you exit the menu. If you were already in countdown mode, you pass in normal mode and you exit from the Menu.

5.6.1 Countdown mode following the press on F2 key



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In countdown mode, total is white on red to show clearly that you are in countdown.



To access to GPS screens, press on Menu key

- A first press goes to CP page •
- A second press goes to Trace •
- A third press goes to a Menu list •

To navigate in a page, you have to assign the remote control to it. For that, press OK OK the remote control is then assigned to the window and is in green.

on the remote control.

Note: Only 2 lines of the RoadBook remain visible.

Typical actions are then the following:

	Actions on the remote control
(ESC)	Close the window
OK	Select/Unselect a window Assign/Unassign the remote control
	Goes to the next page Remote control reassigned to the RoadBook

At any time, a press on ESC feed goes back to the standard RoadBook

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5.7.1 CP screen



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5.7.2 Trace screen



Following selection by OK

Ac	tions on the remote control
Esc	the window = go back to the RoadBook
ОК	Select/Unselect the window Assign/Unassign the remote control
	Go to List screen Remote control reassigned to the RoadBook
	Change the zoom value
	Recenter the trace

5.7.3 List screen



Following selection by OK

A	ctions on the remote control
Esc	Close the window = go back to the RoadBook
ОК	Show the screen selected in the list
	Get out and come back to the RoadBook as it is the last screen (CP, Trace, List)
	Navigation in the list, validate the chosen screen by pressing on

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5.7.3.1 Check page

This is a summary page, no action is possible in this page except ESC to go to the next page.



to get out and Menu





For the next control pages, you can:

A	ctions on the remote control
	Close the window = go back to the RoadBook
ОК	Select/Unselect the window Assign/Unassign the remote control
	Unselect the window and go to the next one
	Navigation in the list

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14:28:20	0:0:1		52,1 53,7
14:28:29	0:0:1		1,5
14:28:35	0:0:1		55,8







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5.7.3.2 Infos Stage

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The Infos Stage menu goes directly to the information pages in the beginning of the RoadBook

Ac	tions on the remote control
Close the window = go back to the RoadBoo	
ОК	Select/Unselect the window Assign/Unassign the remote control
	Go back to the RoadBook with CP page displayed
	Navigation in the pages

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5.7.3.3 Position/Time



No action is possible in this screen except ESC first screen: CP

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5.7.3.4 Waypoints List



A	Actions on the remote control				
Close the window = go back to the RoadBook					
OK	Select/Unselect the window Assign/Unassign the remote control				
	Go back to the RoadBook with CP page displayed				
€ ,	Navigation in the pages				

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6 **Secondary screens**

If you drive with two devices, the additional Unik4 will then be in « SECONDARY SCREEN » : the electronic RoadBook will not be displayed on the screen.

Just like the main Unik4, if you want to do an action in a window, first you have to assign the remote control.

Select the desired window with the arrows

OK



The frame turns blue, press



The window becomes green. The remote control is properly assigned to this window.



The key

The order of the pages is as follows: PC list, trace, sub menu (Check, Info Stage, Position/Time, Waypoint list).

Generally,

returns to the original state.

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7 Standby Mode

When you reach the bivouac, don't forget to put the Unik4 in standby. As a cell phone, you don't need to turn it off, put it in standby is enough. It is easier to restart immediately.

In the morning, when you turn on the GPS, press briefly the button on the tablet to exit the standby mode.

8 If the GPS function is not working

In this case, you will still have the roadbook screen but not the GPS screen anymore. See example below.



You will be able to navigate in the RoadBook using the two arrows.

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9 If the remote control is not working

If your remote control is broken, you have to select the No Remote Mode in the parameters menu. More details in paragraph 10.

You will still have the GPS details, the RoadBook arrows will be invisibles but activated. If you press a high corner of the screen, the RoadBook arrows will appear briefly and the Note will change.



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A simplify virtual keyboard is accessible by pressing in the left corner at bottom of screen where NEXT is written.



The functions are the same as on the remote control F1, F2, OK and TRIP MOD.

STN and ALARM functions appear only in the main Unik4.

ALARM function is available when the vehicle is under 6km/h.

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10 Special display

At the departure if the first part of the stage is a liaison, the RoadBook will only display the liaison. When one Waypoint of the special will be validated, the RoadBook will allow the display of the whole stage.

11 Parameters



a long press on this button goes to the Parameters menu.

The screen is divided in 3 parts:

Information in the top and the stage code entry if there is one and the mode of the Unik4: PRIMARY UNIK4 / SECONDARY UNIK4.

The parameters

And the actions (GO TO DSS, Cancel, OK and CONNECT). GO TO DSS allows you to position yourself directly on the 1st DSS.

The central display area for parameters cannot display all of them. Make a swipe on the screen to navigate in this page.



	S/N : 10198 RoadBook : STAGE 0	Version : 264 _AUTO_VDEF_1 Stage	***
	CON	C:403	0
	Code		
	PRIMAR	RY UNIK4	
	Highlighted line	2	↓ ↓
	UTC	+1	- ·
	Buzzer level	2	- S
0	OFFSET RB	-30	· 3)
	See Cp validation	n	0m
	Expert Mode		
1	Speedox mode	Security	~
	WPT JUMP	Yes	-
	ODO pitch adjust	100	Ŧ
1	GO TO DSS		
	CANCEL	ОК	0m
2	CONNECT	BAT : 8	^{38%} 4
	•	•	

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- > <u>Code</u>: Enter the stage code and validate with "OK".
- PRIMARY/SECONDARY UNIK4: In secondary mode, the electronic RoadBook is not displayed on the screen. To switch from one mode to another, simply press the box.
- ODO decimals: should be 2 for Auto/Truck and SSV.
- Scrolling: You can decide to move one line or one page when pressing Note + or Note -
- Partial ODO priority: if the Partial counter is more important for you, you should select this option. The Total will be smaller and the Partial bigger.
- Hide partial ODO: The partial will never appear on the screen but only the Total.



> <u>ODO Inverse Color</u>: To highlight the Odo Total, appears in reverse video on the screen.

176	2-180 4	WPT 15 K34
30.	97	32
2	20	
29,11	87	ET DN L1
2,25 🚺	► SA	(12)
31,02	<mark>108 7</mark>	DN I 1
1,91 C		13
32,85	/tracks 158	
1,83 M	PLATEAU	14
34,94	188°	
2,09 C	/TRACKS	15
NEXT 1,22	E2 AUT SS - 456.73 km	→_421 km

		NEXT 1,22 E2 AU 456.7	TSS- 73 km → 421	1 km		
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- Touchscreen: should be selected only if you break your remote control to have the virtual keyboard and the arrows available.
- Switch RoadBook Arrows: if you prefer the left corner for going forward in the RoadBook.

Easy Mode: A press of TRIP RST on the remote control does the following 3 actions at once: Reset the Odo+Note Cross Out+Go to the next Note.

- > <u>Highlighted line</u> : to border the target line. You can choose:
 - 14 176⊘ $0 \rightarrow no border$ K34 37 $1 \rightarrow$ line 1 bordered 2 \rightarrow line 2 bordered ET 29,11 87 DN L1 PLATEAU 2,25 🕅 (12) 108 31,02 DN L1 Example with line 2 1,91 (C (13 лгаскя <mark>_ 158</mark> 32,85 1,83 🕅 PLATEAU 14 ×188 34.94 2,09 250 15 NEXT 1,22 421 km
- > <u>UTC:</u> gives the UTC difference to show the local hour in the position screen
- **Buzzer** level: to choose the sound intensity of the buzzer buzzer = 1, 2 or 3.
- OFFSET RB: 0 is the value by default. That means that the arrow will point to the next Waypoint when you are in the center of the Waypoint. You might want the arrow to point before or after, in this case you can enter -30, for example, if you want the arrow to point the next Waypoint 30m before and +30 if you want the arrow to point 30m after.
- See CP validation : Une ligne s'affiche en haut de l'écran avec le dernier CP validé.
- Expert Mode: to see 3 more parameters:

<u>Speedox mode</u>: to set the speed limit alert. 3 modes exist:

Stop: Inactive

Security: 1 bip every 2 seconds from the speed limit – 5 km/h; Continuous sound from the speed limit – 3 km/h

Performance: 1 bip every 30 seconds from the speed limit – 4 km/h; Continuous sound from the speed limit – 2 km/h

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• <u>WPT JUMP</u>:

YES: if you miss a Waypoint, the Unik4 will offer to go directly to the next Waypoint.

NO: no offer will be done. The Unik4 still point the missed Waypoint.

• <u>ODO pitch</u> adjust: set with 100 meters by default. You can set the TRIP+ and TRIP- keys with 100m or 50m or 10m by press.

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