

Help pages

Help pages: press to scroll...

Documentation and updates can be found at:

www.crisartech.fr/download



1 « regularity » page (main page)

Configuration button
(appears when pushed)

Push to change page

Main page outside of RT

Stop or reverse

Change speed (simu mode)

Vehicle Speed

GPS reception quality

Trip1 (push to correct)

RT management page

GBR

Imposed speed in RT

Chrono, push to start or stop

Undo last correction



Bargraph:
yellow-red: accelerate
blue-green: slow down

Recommended speed (avoids the yo-yo)

Advance (green) or delay (red)

Background changes color like end of bargraph

Main page during RT

Segment compulsory speed

Segment in progress

RT in progress

Next GPS correction

Distance corrections from bottom to top (with cumulation)



2 Trip modification

Numbers for direct modification

Frozen distance (black) or modified (blue)

Delete

Trip in modification (continues to run)

Apply the gap (correction of the frozen value, not in beginner mode)

Write the new prepared value (when pushed)

Correction value

Add or subtract 1 or 10 m.

Close without modification

123.000 Km

122.896
-0.104

+1 +10
-1 -10

Apply gap New value

Help

3 Stopwatch

Start chrono manually

Push to switch to auto start on time

Tick to switch to circuit mode or "repeat same"

then... ... push the chrono value to make appear the "Stop" button

Manual start

Use the "Stop" button to stop the timer

Auto Start +30 s. Aide
-30 s. ↻

Circuit Replay

0:00:31

Stop

1: press to switch to auto start at the set time

2: choose auto start time

3: Confirm and wait for the start time

Desired time for automatic start

Start automatic on time

... stop the stopwatch as in manual mode

Auto Start +30 s. Aide
-30 s. ↻

Circuit Replay

11:19:00

1: check



2: start at the beginning of the reference lap

... each end of lap is detected automatically!

Circuit mode with reference lap With GPS help
(tick "GPS dist. corr." in the guidance options)



Number of laps
0: reference lap → **4** 

Use the "Stop" button at the end of the last lap

1: check



2: start at the beginning of the reference lap

Circuit mode with reference lap Without GPS help
then...

...push the button when passing on the chrono line
(press chrono value if button disappeared)




Number of laps
0: reference lap → **4** 

Use the "Stop" button at the end of the last lap

1: uncheck



2: enter the speed imposed, measured or calculated

3: start on the chrono line

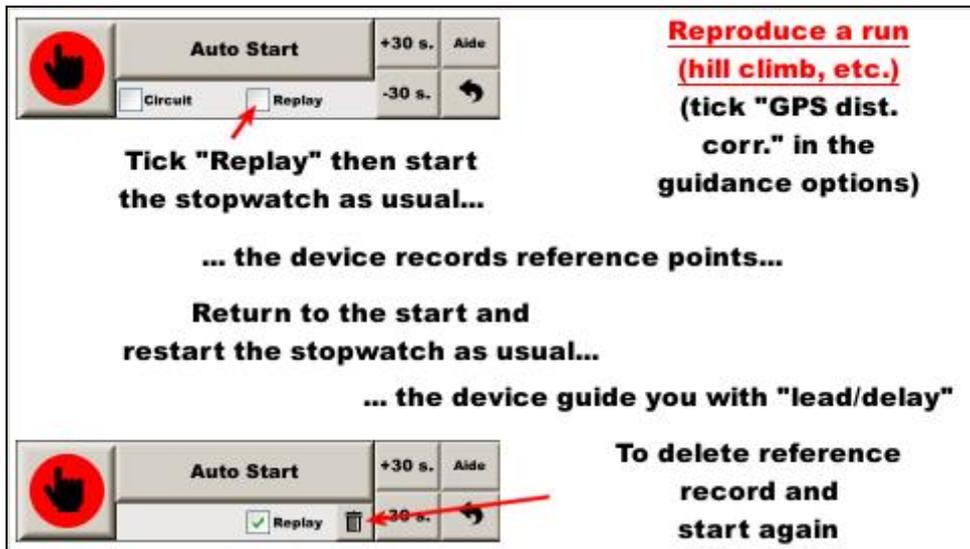
then...

...push the button when passing on the chrono line
(press chrono value if button disappeared)

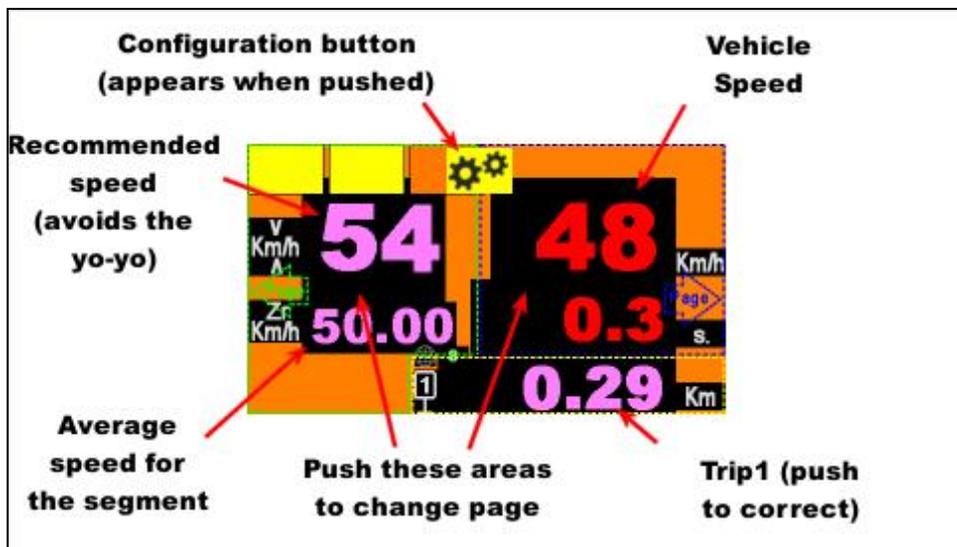



Number of laps → **4** 

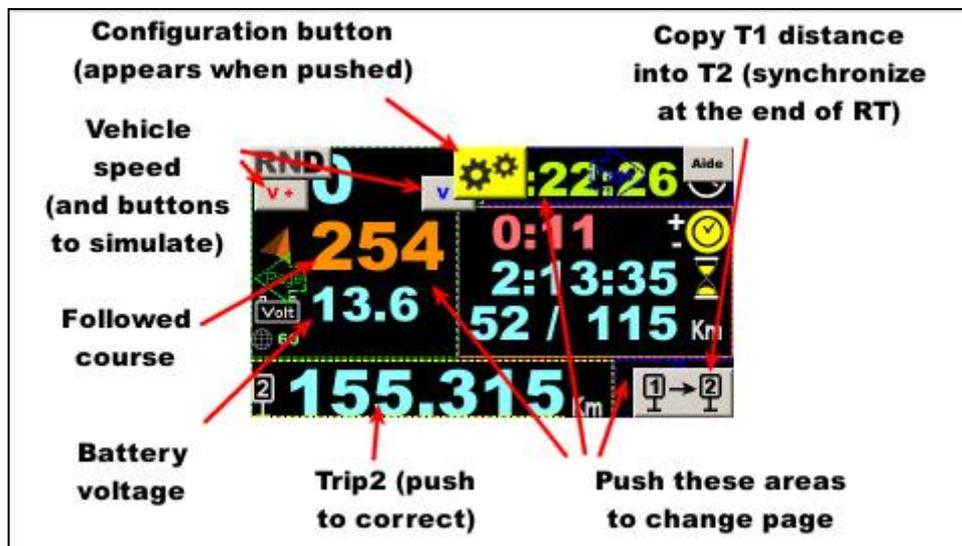
Use the "Stop" button at the end of the last lap

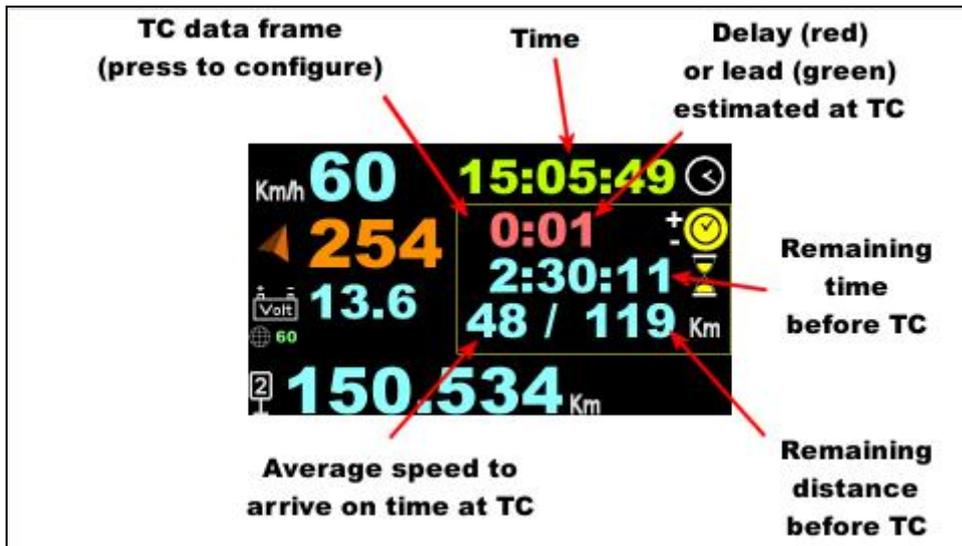


4 « pilot » page

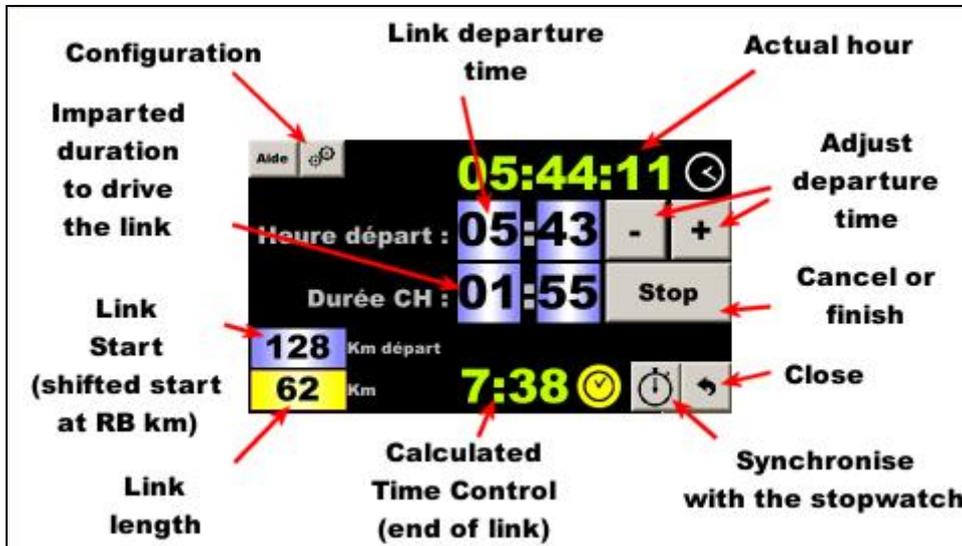


5 « link » page

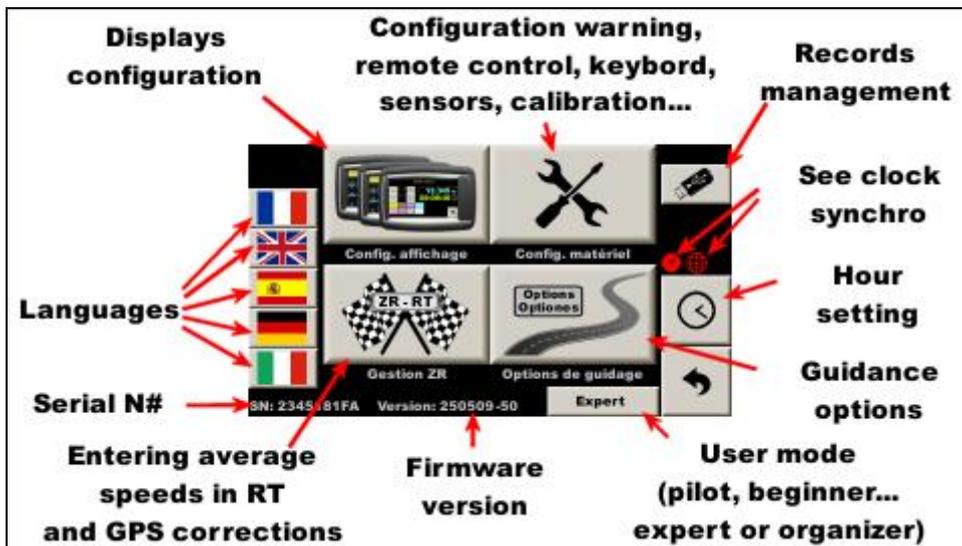


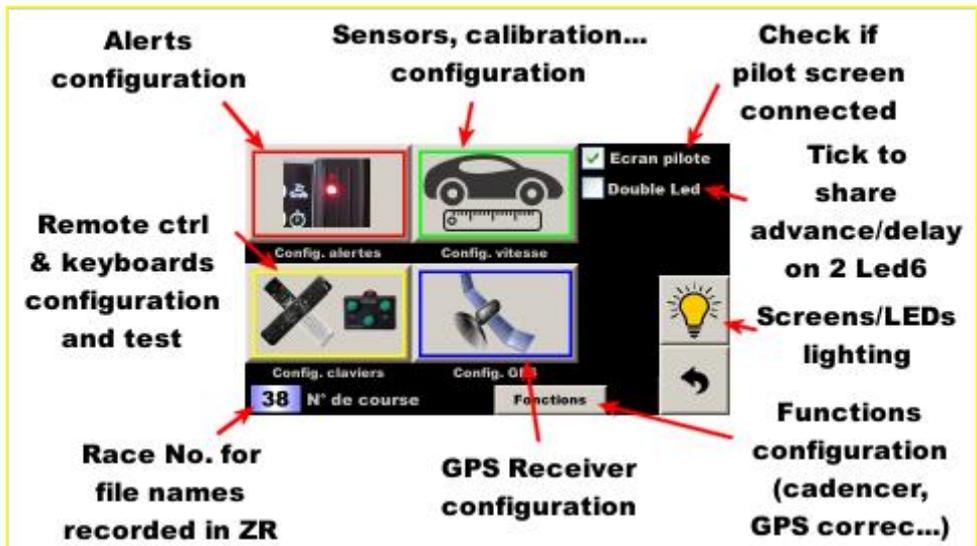


set ideal TC hour:

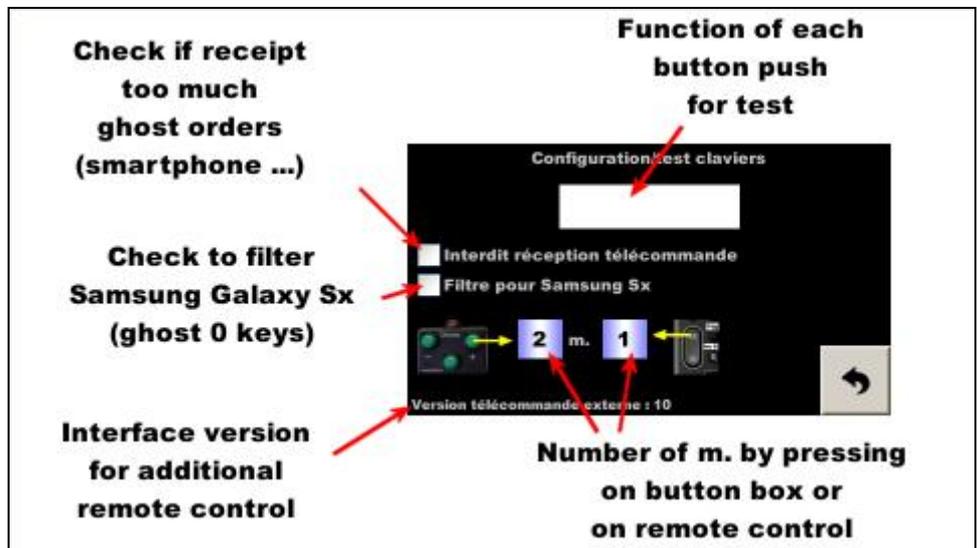


6 Configuration

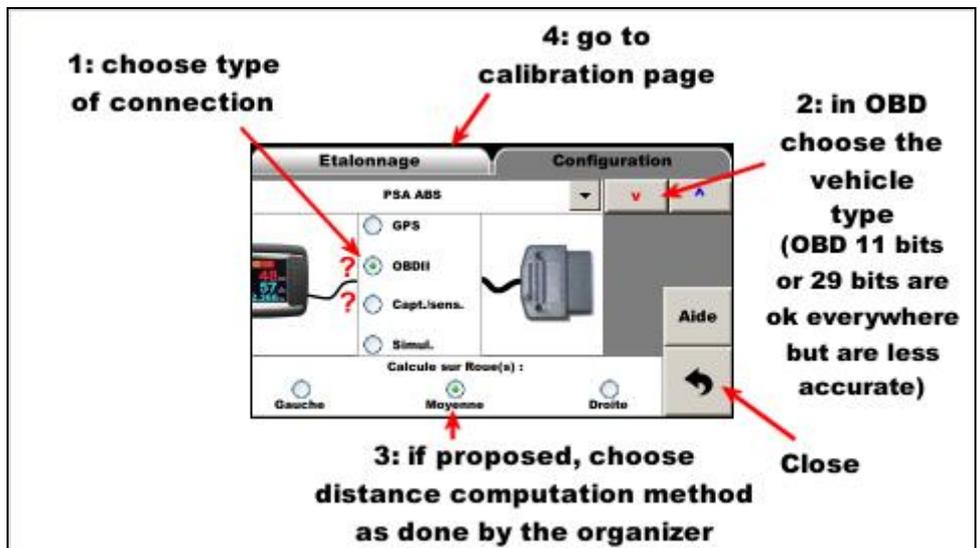




6.1 Infrared remote control and button box configuration and test



6.2 Sensors configuration, calibration...



Wheel sensor monitoring:

(help with connecting the sensors)

To compare L wheel with R wheel

To compare wheels with GPS

maximum error tolerated before alert

monitoring distance

Popup displayed if error detected:

Tires centrifugal swelling compensation (expert mode)

Give a name to the calibration

"Mountain" corrections

Edit calibration on the fly or by +/- 1m (except beginner mode)

Type here the calibration value, if it is already known

Coefficient to apply to calibrations

Wheel or OBD calibration

GPS calibration (check box previous page)

Add or remove 0.1 m. per km (key +/- 1 m. remote control)

Add or remove 1 m. per km (key +/- 10 m. remote control)

Paste coef. of normalization or manual corrections

Validate

Cancel

1: choice of Trip1 or 2 or a distance freely copied (compute without drive)

2: Reset at calibration zone start

3: drive the zone or type in the distance

4: Type calibration distance given by the organizer

5: compute

Calibrate the GPS at same time

Close

In "sensor" mode, for GPS based calibration (fast but not very precise):

1: click GPS mode

2: drive in straight line

3: compute while driving

Connection configuration (sensors, OBD, GPS...)

Check each sensor pulses (if available)

6.3 Distances/speed management during RT

RT are recorded in files

MultiSpeeds mode

Theoretical chrono at the end of segment

One line for each speed (segment)

RT choice

km of beginning and end of segment

Speed on the segment (km/h)

Trip1

To make the lines scroll automatically following T1

Scroll the lines

Se	Debut	Fin	Vitesse	Timing
1	0.000	0.256	32.00	0:28.8
2	0.256	1.721	54.00	2:06.4
3	1.721	1.856	36.00	2:19.9
4	1.856	2.226	42.00	2:51.6

Normal

10.686

Salvve T1

'Gravel crew' or semi-auto corrections notes

GPS auto-corrections

New RT

Save RT

Changing speeds

Delete ALL data of ALL RT

Choose the type of average: H1, H2... or Normal, Rainy...

Duplicate

Modify the shifted start distance during RT

Se	Debut	Fin	Vitesse	Timing
1	0.000	0.256	32.00	0:28.8
2	0.256	1.721	54.00	2:06.4
3	1.721	1.856	36.00	2:19.9
4	1.856	2.226	42.00	2:51.6

Normal

10.686

Salvve T1

Several types of averages in the file: zr_desc.csv

Confirm changes

Modify texts

Record changes

Cancel changes

Choose the type of average

Add a type of average

Ok

Annuler

Normal

Pluie

Grosse Pluie

+1

6.4 Automatic corrections by GPS

Points are recorded in the file at each addition

Next file
New file
Adjust distances
Distance since last manual point

Configuration

Duplicate (if multiple passages in the race)

RT table display

Total number of points

Scroll the lines

Delete the last point

Trip1

GPS reception quality

Ind	Km	Latitude	Longitude	Commentaire	Début
275	13.969	48.45465	6.92088	156	
276	14.019	48.45428	6.92127	142	
277	14.069	48.45390	6.92166	140	

GPS points manual entry

1: type a comment (optional)

2: add a point

GPS points automatic entry

It remains possible to enter a point manually between 2 automatic points by pressing the yellow button

1: type distance between two points

2: check

Text generated by buttons

Keyed text

Number pad

1 : Danger virage	2 : Chemin / Route	3 : Danger trou / bosse	Aide
4 : Poteau	5 : Stop	6 : Place / Terre Plein	
7 : CSP	8 : Chicane	9 : Panneau	<-
* : Arbre	0 : Borne	C - C +	↶
Départ	Arrivée	↻	C1
			Ok

Remove the text

Close without modification

Validate

Go directly to the directions (right, across, left ...)

Auto-incremented index (Road-book box or PK for example) Modified with +/- 1 m. keys

Move the starting position:

1: enter the distance difference between new and old start



2: Select whether the new departure is before or after the original departure

3: push button

Match to a road-book box on the road:

1: type distance exact of the box



2: check that it corresponds to the previous correct point (not in beginner mode)

3: push button

4: button to adjust calibration if necessary

Match the boxes from the road book at the end:

Enter distances from the organiser's road-book

Ind	Commentaire	Mesuré	Orga.	Diff.	Nbr : 14
1	Depart	0.0	0.0	0	
12	C 49	0.52	0.525	-2	
21	C 90	0.955	0.958	-3	
33	C 91	1.529	1.53	-1	
54	C 93	2.572	2.57	2	
86	C 95	4.167	4.164	3	
92	C 97	4.452			
109	C 98	5.276			
120	C 99	5.83			
126	C 90	6.101			
144	C 91	6.982			

Number of lines

Display differences graphically

Delete entered distances

Proposed index for normalised file (will be created)

Start normalization

If the point entered is too close to the previous one, proposes to delete the previous point

Limit corrections to avoid jerks in areas of poor reception

If you drive this distance without correction, then launch "GPS Magic" function

Activates "Auto Km" after entering a manual point

Speed below which corrections are ignored

Aide

Configuration des corrections par GPS

0.015 Dist. mini entre points saisis (km)

0.012 Correction maxi (km)

60 % de correction de distance

0.300 Détection manque de correction (km)

20 Vitesse mini pour correct. (km/h)

"Auto Km" activé après appui bouton

6.5 'Gravel crew' notes management

Points are recorded in the file at each addition

Import distances from distances / speeds file

Configuration

New file

2-Button for semi-auto correction or button marker / difficulty

1-Enter distance: keyboard or remote control

Delete the last point

Total number of points

Scroll the lines

Nbr : 3 Aide

Ind	Km	Commentaire
1	1.236	
2	2.574	
3	3.332	

Début

Pno >

Fin

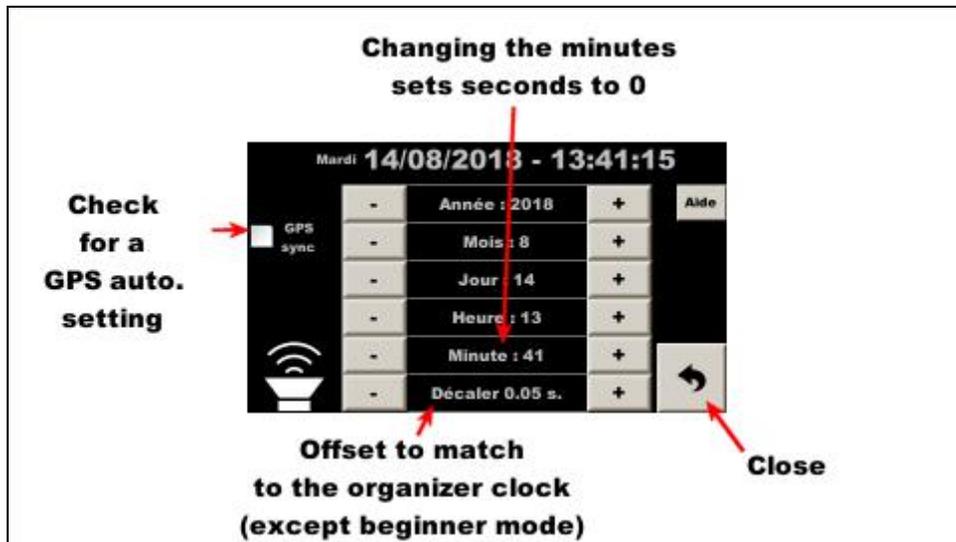
Supprime

6.6 Date / hour setting

with GPS auto-synchronisation:



manual setting:



6.7 Guidance options

Enable the notes for semi-auto correction or 'gravel crew' notes

Speed difference guidance is recommended to avoid the "yo-yo" effect

Calculate lead/delay twice as often

1/100 of a second display

Countdown beeps for Italian pipes (option)

Beep: low tone to slow down or acute to accelerate. Set the level here or on remote control:

Inverting red/green of LEDs or display

Option for colour blind

Increase for less beeps, but less accurate (not in beginner)

Enable the auto. correction by GPS

For 2 warnings when approach end of distance

If T1 is not reset to 0 at RT start

Changing the average is measured from

Trip2 is replaced by Trip1

When T1 reset to 0 makes T2 reset to 0

Info on distance differences compared to GPS (expert mode)

To take into account +/- 1 to 10 m. corrections in refining the calibration

6.8 Display configuration

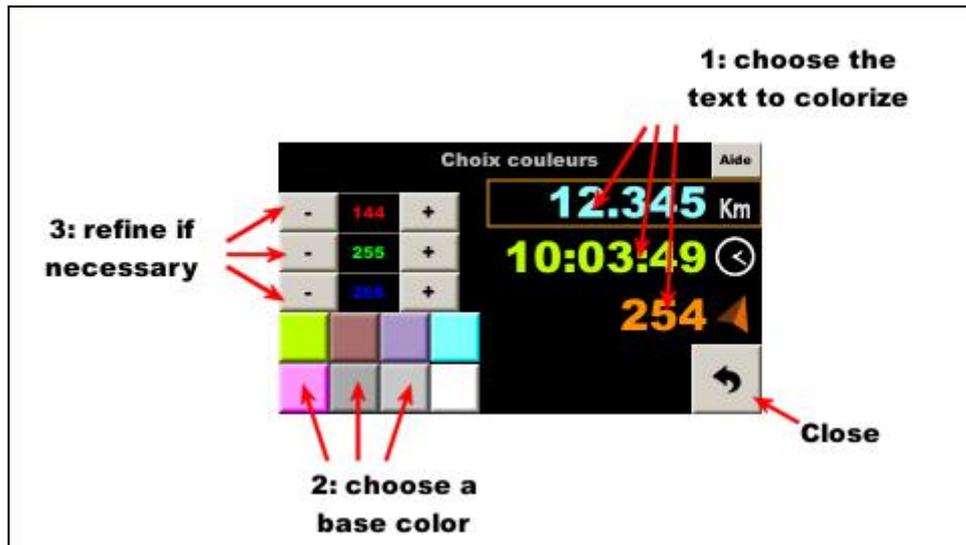
Press the thumbnails of unwanted pages. A cross indicates that they are no longer displayed.

Press in the lower right corner to select the default page (green check mark).

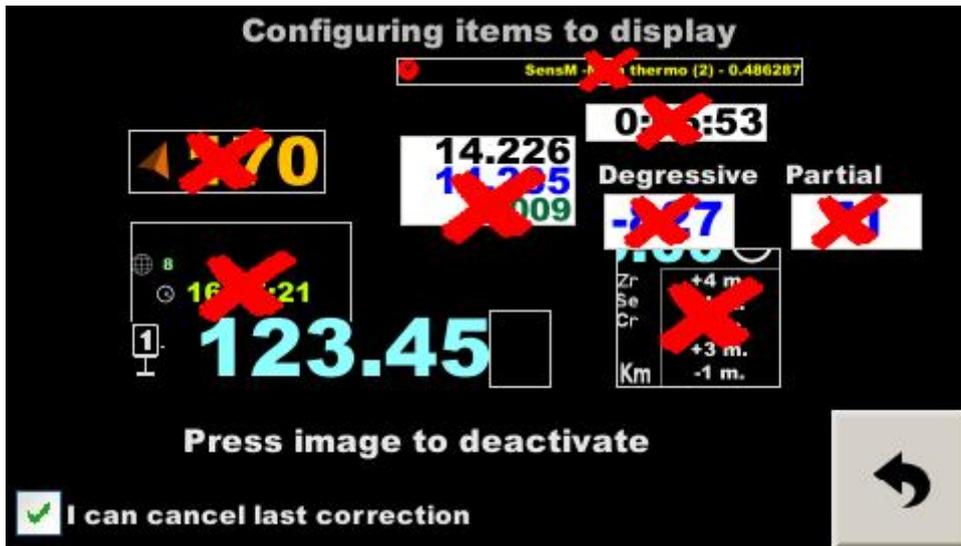
Press the "Config" button to configure the display of certain pages:



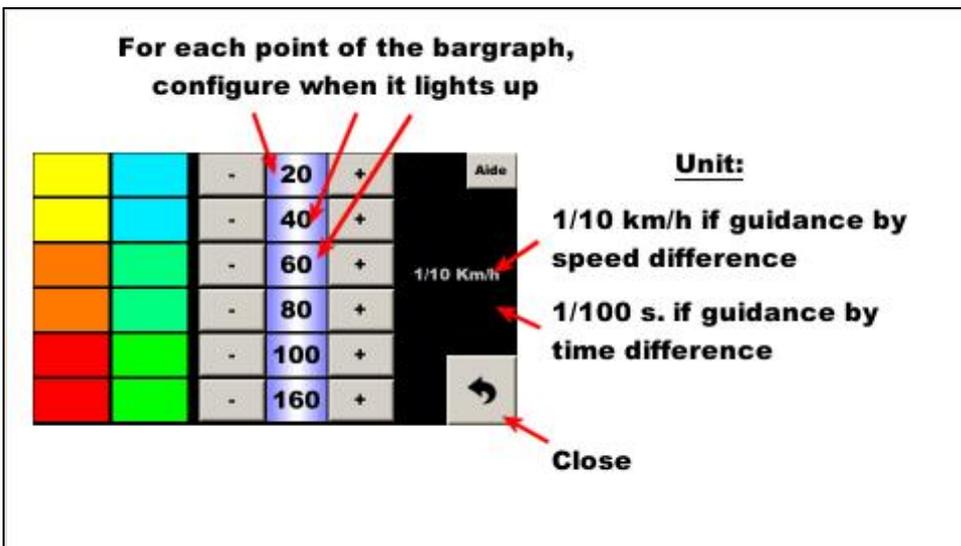
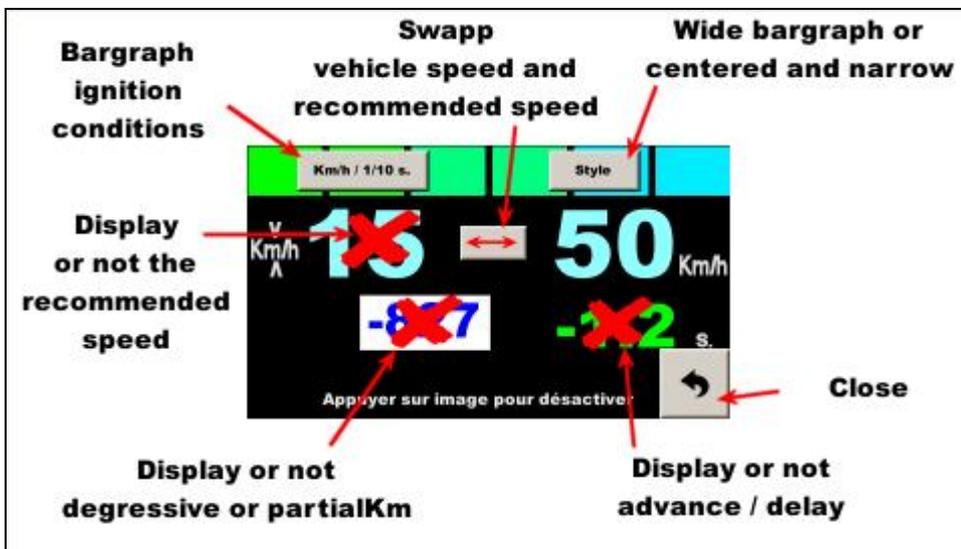
Press the color palette button to set the text color:



« codriver » page, remove some information pressing on images:



« pilot » page (configures also RP380/400 if connected):



6.9 Files recording

Check to record. Recording starts when Trip1 is set to 0

Number and size of files in memory, free space available

Distance between 2 recorded points

File exchange

Formatting (Reset)

Recording speed

After plugging in a USB drive, press to access the screen of archive file management

RT preparation files:

- average speeds
- GPS corrections
- 'gravel crew' notes
- GPX (export only)

Other recorded files:

- during the race
- during scouting
- calibrations ...

RT table display

Copy / delete archive files (if exist on internal disk)

Software update (if found on the USB drive)