

Help pages

1 « regularity » page (main page)

Configuration button
(appears when pushed)

Stop or reverse

Change speed (simu mode)

Vehicle Speed

GPS reception quality

Trip1 (push to correct)

RT management page

Push to change page

Imposed speed in next ZR

Chrono, push to start or stop

Push to cancel correction

Main page outside of RT

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

Distance corrections are displayed from the bottom to the top

Segment compulsory speed

Segment in progress

RT in progress

Next GPS correction

Main page during RT

2 Trip modification

Numbers for direct modification

Delete

Trip in modification (continues to run)

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

Frozen distance (black) or modified (blue)

Correction value

Add or subtract 1 or 10 m.

Close without modification

Write the new prepared value (when pushed)

3 Stopwatch

Start chrono manually **Push to switch to auto start on time**

Check to switch to circuit mode **Close**

then...

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

Manual start

Use the "Stop" button to stop the timer

2: close and wait for start time **Desired time for automatic start**

Check to switch to circuit mode **1: choose auto start time (per 1' for beginners)**

then...

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

Start automatic on time

Use the "Stop" button to stop the timer

1: check **Circuit mode with reference lap**

2: start at the beginning of the reference lap

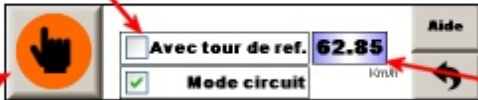
then...

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

Number of laps
0: reference lap


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

1: uncheck

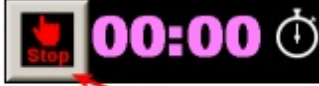


2: enter the speed imposed, measured or calculated

3: start on the chrono line



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

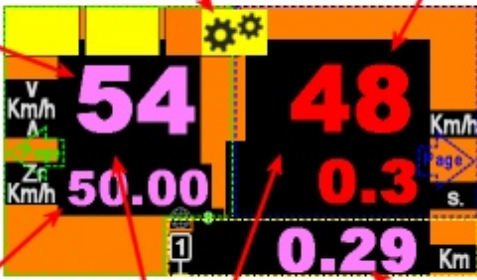


Use the "Stop" button at the end of the last lap

Circuit mode without reference lap

Number of laps → **4**

4 « pilot » page



Configuration button (appears when pushed)

Vehicle Speed


Recommended speed (avoids the yo-yo)

Average speed for the segment

Push these areas to change page

Trip1 (push to correct)

5 « link » page



Configuration button (appears when pushed)

Vehicle Speed

Battery voltage

Trip2 (push to correct)

Time

TC hour (push to adjust)

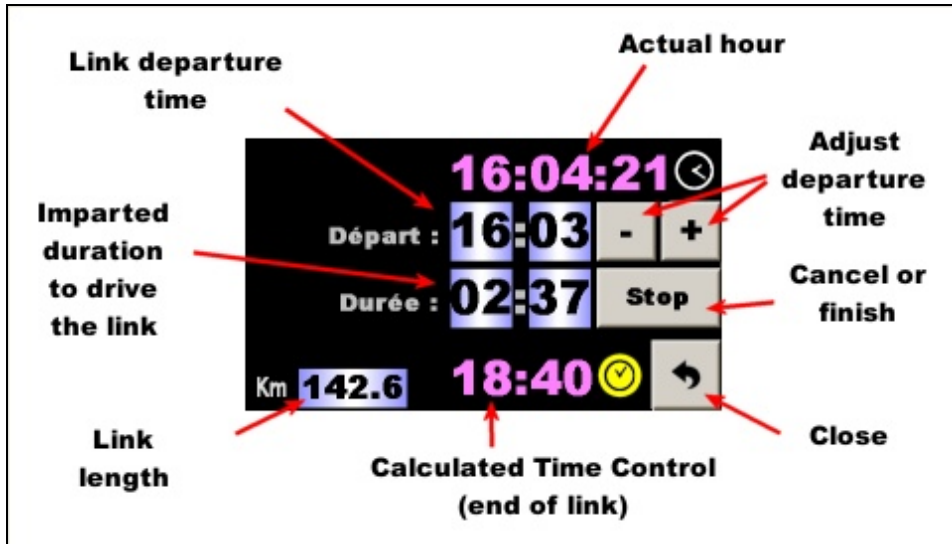
Remaining time

Remaining distance

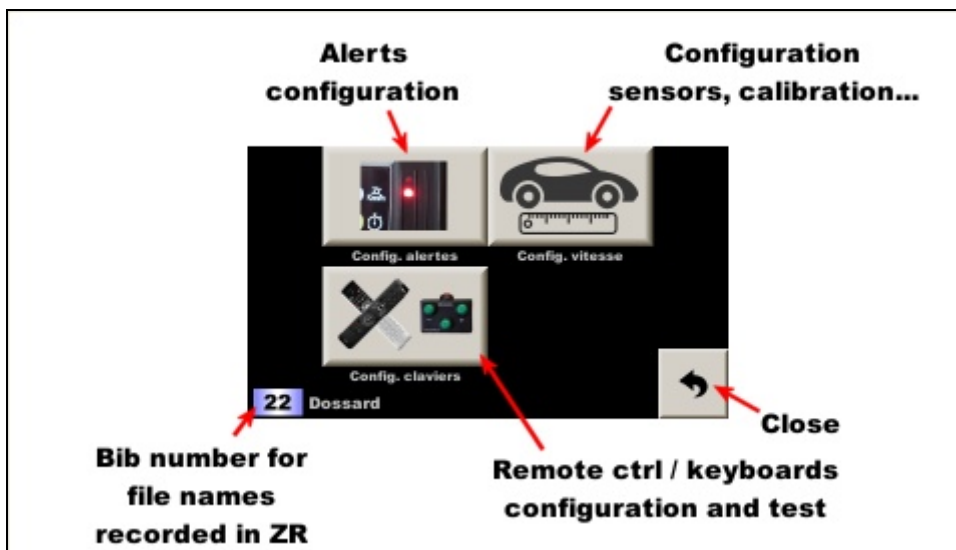
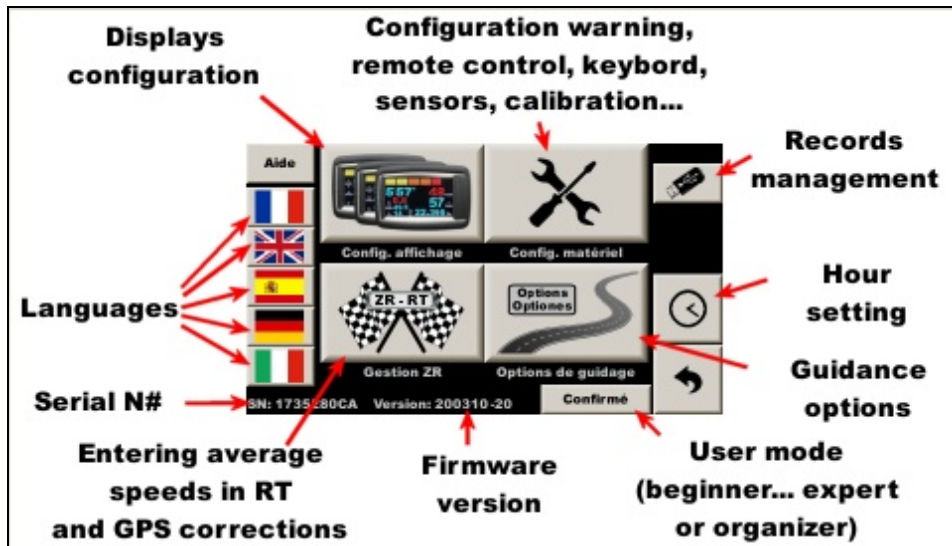
Average speed to arrive on time

Push these areas to change page

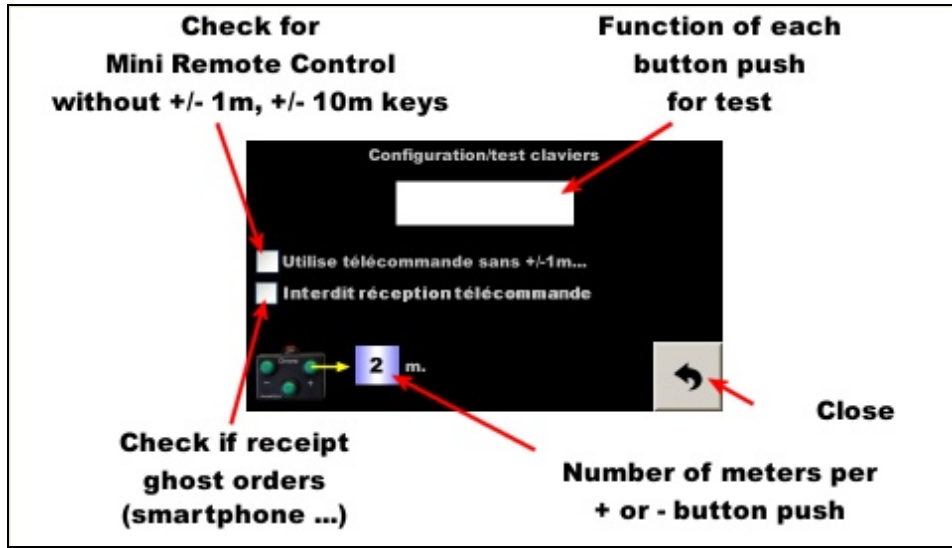
set ideal TC hour:



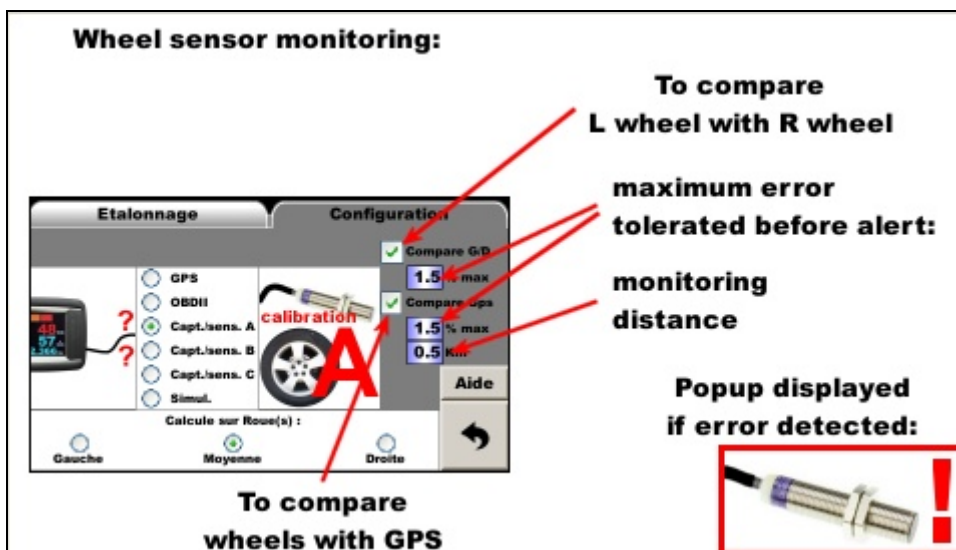
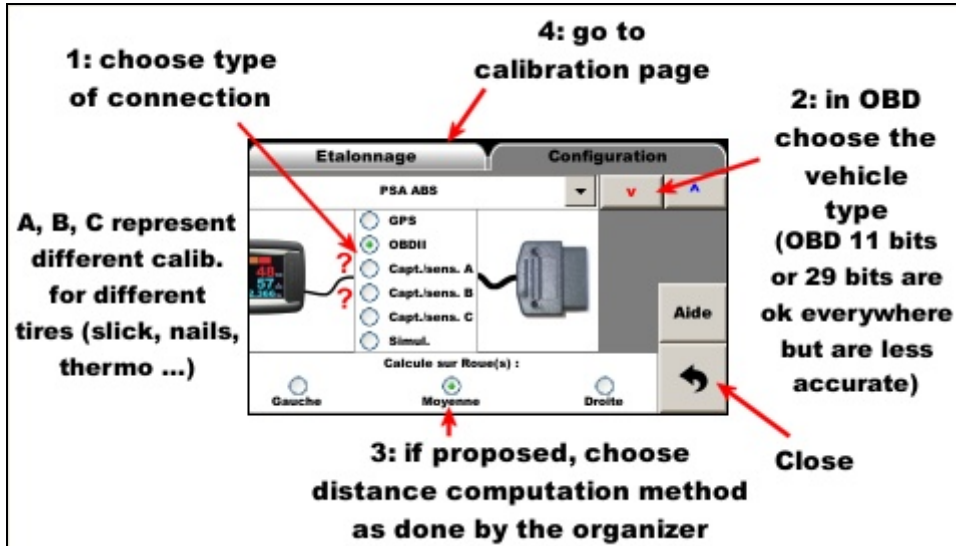
6 Configuration



6.1 Infrared remote control and button box configuration and test



6.2 Sensors configuration, calibration...



Tires centrifugal swelling compensation (expert mode)

Display calibration history

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

Type here the calibration value, if it is already known

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

2: Reset at calibration zone start

Calibrate the GPS at same time

3: drive the zone or type in the distance

4: Type calibration distance given by the organizer

Close

5: compute

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

1: click GPS mode

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

2: drive in straight line

Check each sensor pulses (if available)

3: compute while driving

6.3 Distances/speed management during RT

RT are recorded in files

Theoretical chrono at the end of segment

RT choice

MultiSpeeds mode

One line for each speed (segment)

Scroll the lines

Close

Km of beginning and end of segment

Speed on the segment (km/h)

Trip1

Ind	Début	Fin	Vitesse	Timing	Aide
1	0.000	3.658	48.32	4:32.5	
2	3.658	5.215	46.36	6:33.4	▲
3	5.215	8.698	49.99	10:44.2	▼
4	8.698	12.375	47.02	15:25.7	↺

Nbr : 4

0.000 Km

Trip1

'Gravel crew' data page

New RT

Save RT

GPS corrections page

Import from USB export to USB

Delete ALL data of ALL RT

Ind	Début	Fin	Vitesse	Timing	Aide
1	0.000	3.658	48.32	4:32.5	
2	3.658	5.215	46.36	6:33.4	▲
3	5.215	8.698	49.99	10:44.2	▼
4	8.698	12.375	47.02	15:25.7	↺

Nbr : 4

0.000 Km

6.4 Automatic corrections by GPS

Points are recorded in the file at each addition

Duplicate (if multiple passages in the race)

Configuration

Total number of points

New file

Adjust distances

Distance since last point

Delete the last point

Trip1

GPS reception quality

Scroll the lines

Ind	Km	Latitude	Longitude	Commentaire
178	39.134	44.865795	5.582873	
179	39.488	44.866943	5.586785	
180	39.785	44.866596	5.590035	

Nbr : 181

40.012 Km

GPS reception quality

GPS points manual entry

1: type a comment (optional)

2: add a point after tight turn, or ... (limited distance correction)

... add a point without correction limitation (not after tight turn)

GPS points automatic entry (road without tight turn)

2: check

1: type distance between two points

It remains possible to enter a point manually between 2 automatic points

Text generated by buttons

Keyed text

Number pad

Close without modification

Validate

Function keys

**If start before:
add a positive
distance to all points**

**If start after: add
a negative distance
to all points
or make a shifted start**

**After addition,
it is necessary
normalize if distance
total unchanged**

**Multiply all
points by
a coefficient
(never used)**

**Match to a
road-book box:**

**1: type
distance
exact of
the box**

**3 : push
button**

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

**Exporting files
in GPX format**

**2: choose
points style
for:
- Garmin Basecamp
- Google Earth**

**3: export the points
in a file copied
with GPS files**

**1: check to add the
yellow / green dots
in the file**

6.5 'Gravel crew' notes management

Points are recorded in the file at each addition

Delete the last point

Total number of points

Scroll the lines

New file

2-button for semi-auto correction or button for difficulty

1-Enter distance: keyboard or remote control

Distance to anticipate the announcement

6.6 Date / hour setting

with GPS auto-synchronisation:

Paris time zone: GMT + 1 h in winter GMT + 2 h in summer

Offset to match to the organizer clock (except beginner mode)

Uncheck for a manual setting

Synchro beeps every second (looking at time orga.)

Close

Reset to 0 all offsets

manual setting:

Changing the minutes sets seconds to 0

Check for a GPS auto. setting

Offset to match to the organizer clock (except beginner mode)

Close

6.7 Guidance options

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

Beep: low tone to slow down or acute to accelerate

Check if pilot screen connected

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

When T1 reset to 0 makes T2 reset to 0

The screenshot shows the 'Options de guidage' menu with the following settings:

- Guidage par différence de vitesse (conseillé)
- Buzzer
- Ecran pilote
- <- Leds / Inverse couleur / écran ->
- Correc. dist. par GPS
- Conseils seulement (sans correction)
- Départ décalé
- 2 km/h par beep
- 1.0 Rétro-éclairage
- 1.0 Puissance Leds
- MultiMoyennes
- 0.0 T1 -> T2 0.0

Reverse red/green on windshield LEDs

Reverse red/green on screen

Close

Windshield LEDs power

The screenshot shows the 'Options de guidage' menu with the following settings:

- Guidage par différence de vitesse (conseillé)
- Buzzer
- Ecran pilote
- <- Leds / Inverse couleur / écran ->
- Correc. dist. par GPS
- Conseils seulement (sans correction)
- Départ décalé
- 2 km/h par beep
- 1.0 Rétro-éclairage
- 1.0 Puissance Leds
- MultiMoyennes
- 0.0 T1 -> T2 0.0

Enable the automatic correction by GPS

RT with distance / time

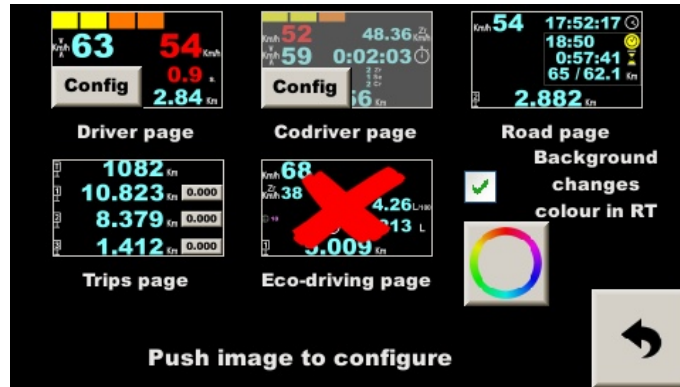
Distance error info by GPS

Check if T1 is not reset to 0 at RT start

The screenshot shows the 'Options de guidage' menu with the following settings:

- Guidage par différence de vitesse (conseillé)
- Buzzer
- Ecran pilote
- <- Leds / Inverse couleur / écran ->
- Correc. dist. par GPS
- Conseils seulement (sans correction)
- Départ décalé
- 2 km/h par beep
- 1.0 Rétro-éclairage
- 1.0 Puissance Leds
- MultiMoyennes
- 0.0 T1 -> T2 0.0

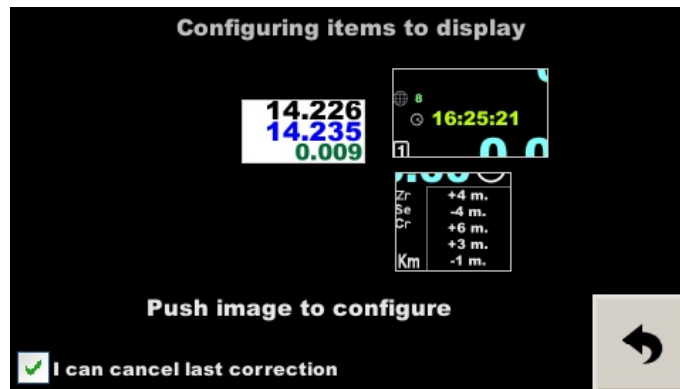
6.8 Display configuration



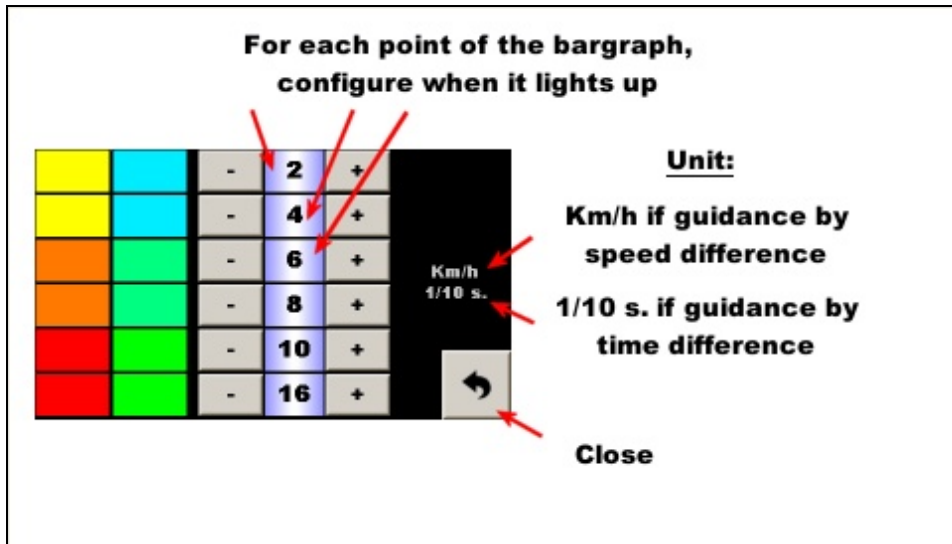
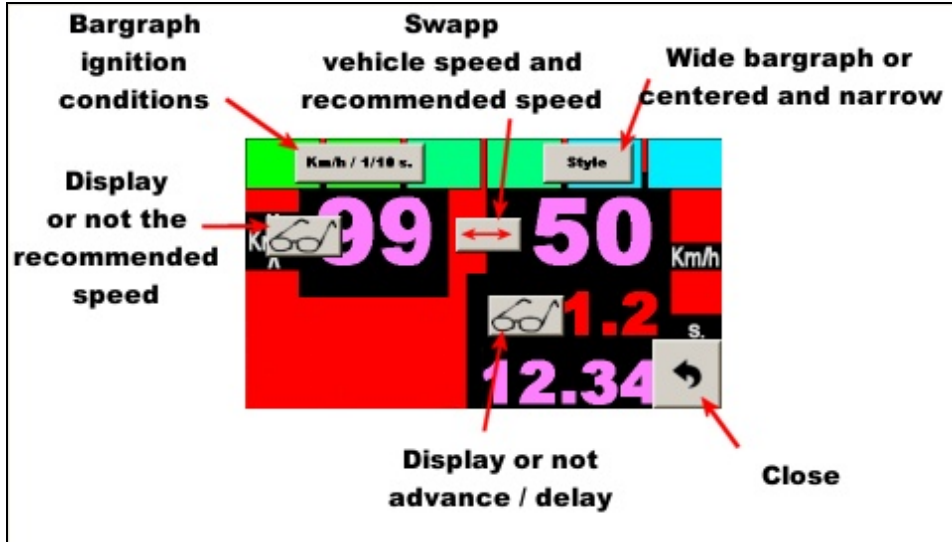
Press the color palette button to set the text color:



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



« pilot » page (configures also RP400 if connected):



6.9 Files recording

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

Check to record a extra NMEA file

Distance between 2 recorded points

Number and size of files in memory

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

Close

RT preparation files:

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

Other recorded files:

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

Software update (if found on the USB drive)