

## 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 from bottom to top (with cumulation)**

**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**

**1: choose auto start time (per 1' for beginners)**

**Check to switch to circuit mode**

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**

then...

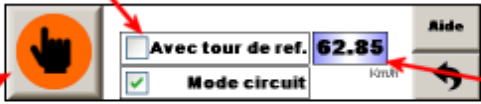
**2: start at the beginning of the reference lap**

...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)

**Circuit mode without reference lap**

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

Number of laps → 4



4 « pilot » page

**Configuration button (appears when pushed)**

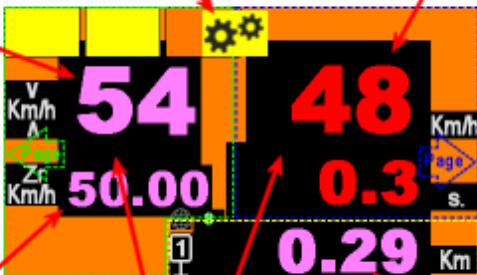
**Vehicle Speed**

**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)**

**Time**

**TC hour (push to adjust)**

**Vehicle Speed**

**Battery voltage**


**Trip2 (push to correct)**

**Push these areas to change page**

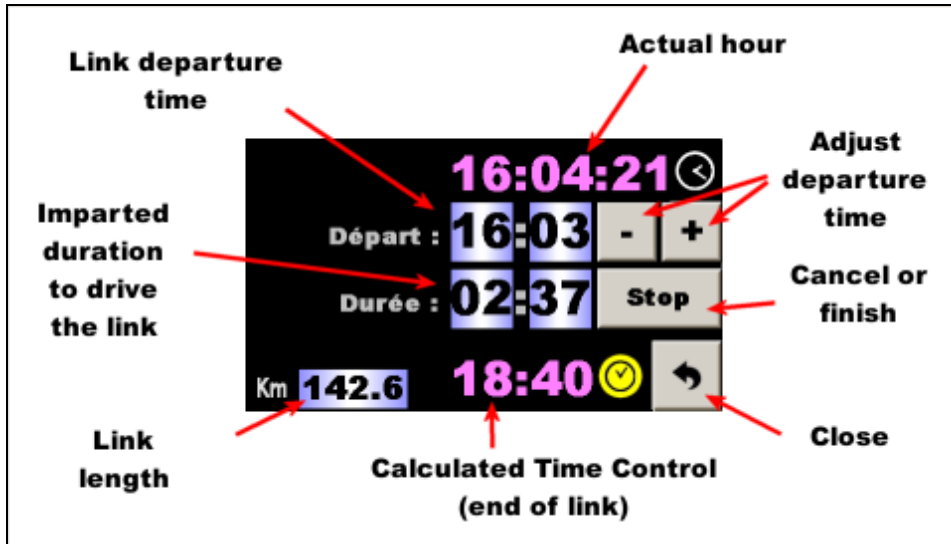
**Remaining time**

**Remaining distance**

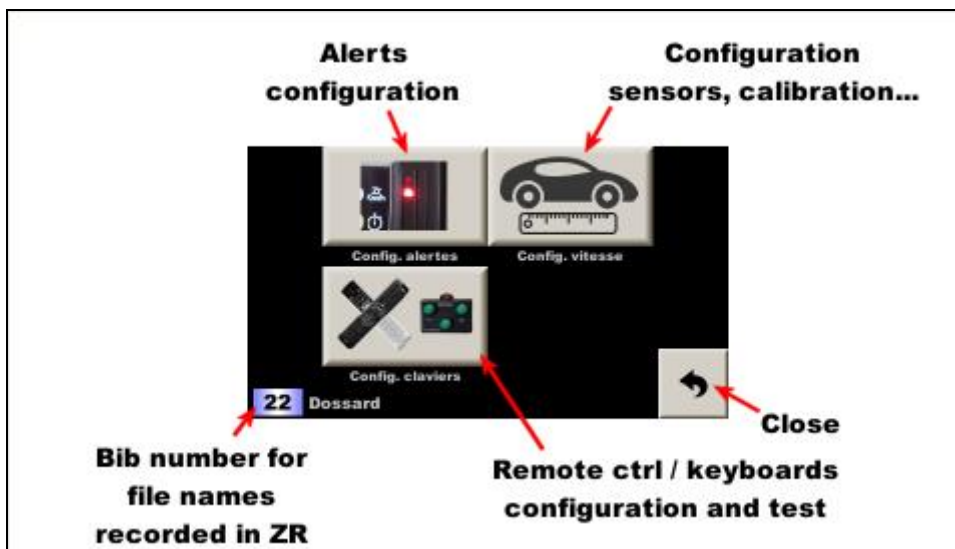
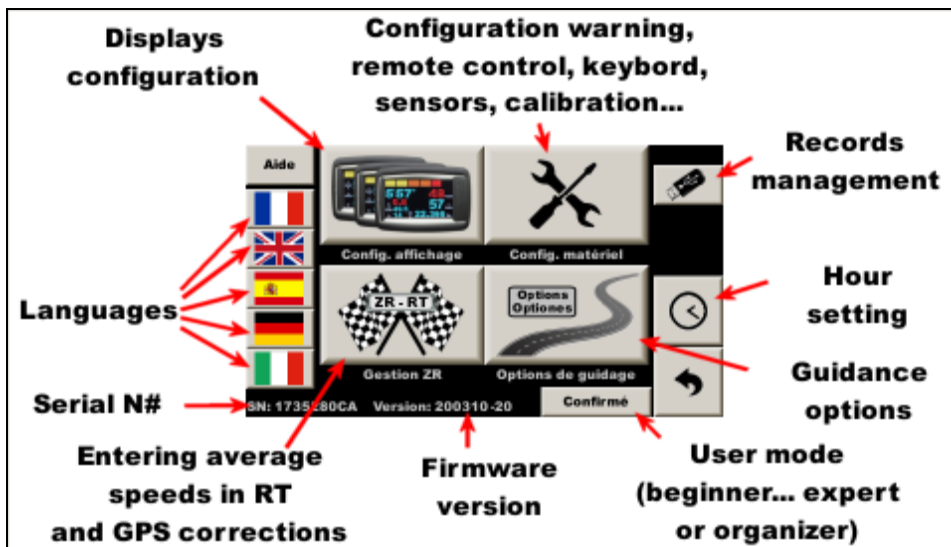
**Average speed to arrive on time**



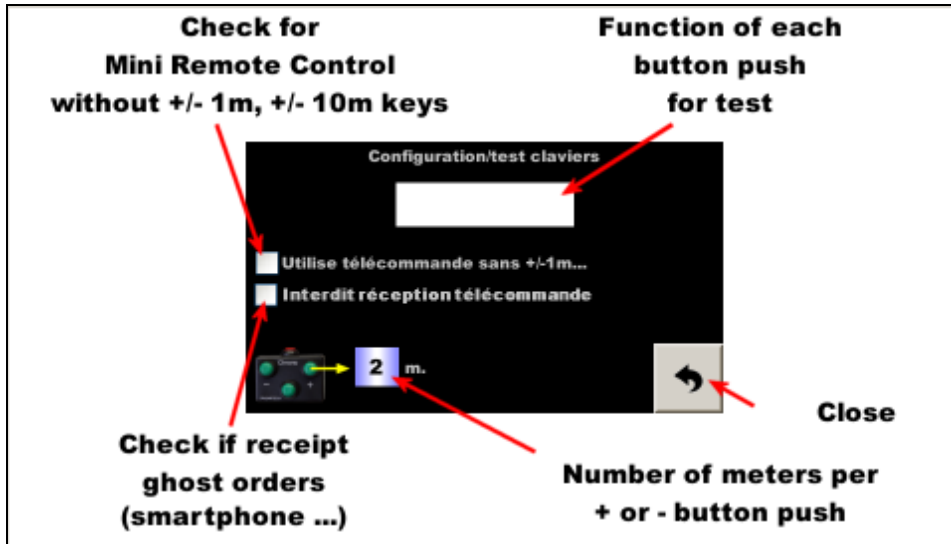
set ideal TC hour:



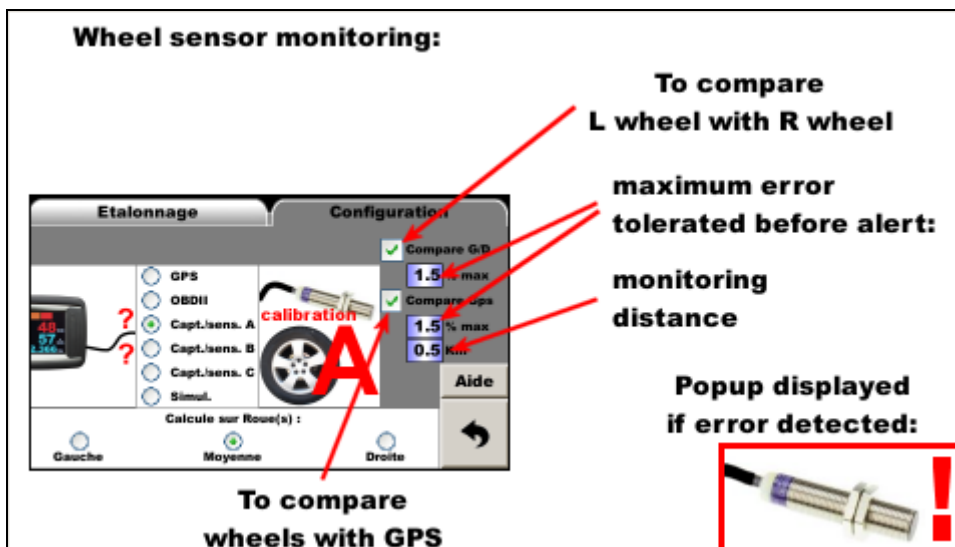
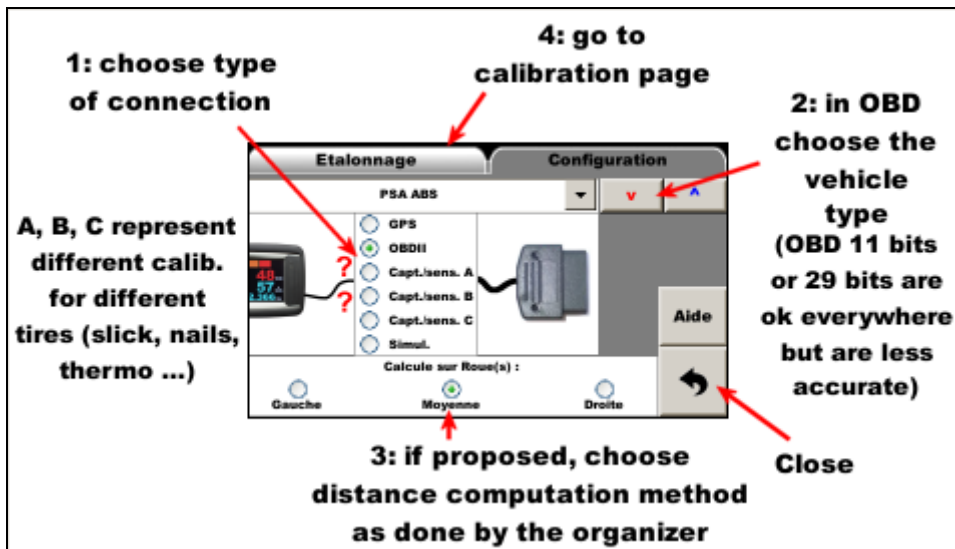
## 6 Configuration



### 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 +/- 1 m (except beginner mode)**

**Type here the calibration value, if it is already known**

**Coefficient to apply to calibrations**

**Wheel or OBD calibration**

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

**Paste coef. of normalization or manual corrections**

**GPS calibration (check box previous page)**

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

**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**

**5: compute**

**Calibrate the GPS at same time**

**4: Type calibration distance given by the organizer**

**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**

**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	↻

**'Gravel crew' or semi-auto corrections notes**

**GPS auto-corrections**

**New RT**

**Save RT**

**Import from USB export to USB**

**Delete ALL data of ALL RT**

**Shifted start: starting distances point choice**

**Modify the shifted start distance during RT**

**modified**

## 6.4 Automatic corrections by GPS

**Points are recorded in the file at each addition**

**Duplicate (if multiple passages in the race)**

**Configuration**

**Files information**

**New file**

**Adjust distances**

**Distance since last green and yellow point**

**Delete the last point**

**Trip1**

**GPS reception quality**

**Total number of points**

**Scroll the lines**

Ind	Km	Latitude	Longitude	Commentaire	Début
334	49.214	44.376884	5.514539	d949	
335	53.237	44.387955	5.485857	d994	
336	53.880	44.388878	5.478682	Rosans	

**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)**

Ind	Km	Latitude	Longitude	Commentaire	Début
334	49.214	44.376884	5.514539	d949	
335	53.237	44.387955	5.485857	d994	
336	53.880	44.388878	5.478682	comment	

**GPS points automatic entry (road without tight turn)**

**1: type distance between two points**

**2: check**

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

Ind	Km	Latitude	Longitude	Commentaire	Début
334	49.214	44.376884	5.514539	d949	
335	53.237	44.387955	5.485857	d994	
336	53.880	44.388878	5.478682	comment	



**Text generated by buttons**

**Keyed text**

**Number pad**

**Close without modification**

**Validate**

**Function keys**

**Auto-incremented n° (Road-book box for example) Modified with +/- 1 m keys.**

Danger : virage !!!			
1 : Danger virage	2 : En face	3 : Danger trou / bosse	
4 : A Gauche	5 : Poteau	6 : A droite	
7 : Panneau inversé	8 : Pylone	9 : Panneau	
* : Arbre	0 : Borne		Exit
<	>	Entrée	C3
			Ok

**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:**

ZR:6	Longueur : 12.214 km	Nbr : 123	Aide
Ajoute ->	0.000	Km	
Multiplie par ->	1.000000		
Normalise à ->	12.214	Km de fin	
A partir du point :	1	0.000	Km
Exporte en GPX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Garmin	Google	

**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**

ZR:6	Longueur : 12.214 km	Nbr : 123	Aide
Ajoute ->	0.000	Km	
Multiplie par ->	1.020000		
Normalise à ->	12.214	Km de fin	
A partir du point :	1	0.000	Km
Exporte en GPX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Garmin	Google	

**Exporting files in GPX format**

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

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

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

**Maxi error corrected by green point**

**Correction flash:**  
 - less than 6 m: green  
 - 6 to 30 m: yellow  
 - more than 50 m: red

**If this distance without correction, then display "GPS Magic" button**

**Validate the check "auto Km" after entering a point**

**Buttons assignment**

**Use the keyboard to capture the GPS correction points**

### 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**

**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

**Beep: low tone to slow down or acute to accelerate**

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

**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**

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

**To take into account +/- 1 to 10 m. corrections in refining the calibration (expert mode)**

**Reverse red/green on windshield LEDs**

**Reverse red/green on screen**

**Windshield LEDs power**

*modified*

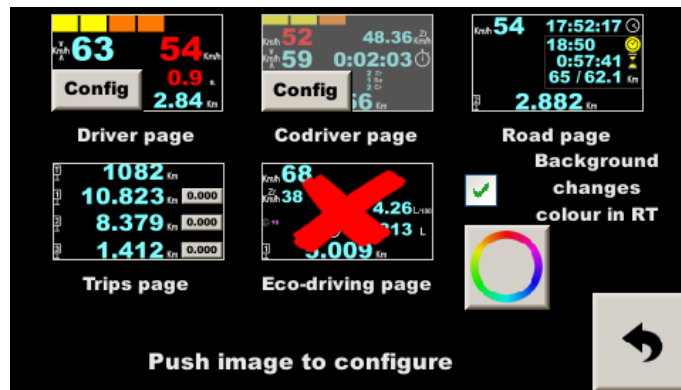
**Enable the automatic correction by GPS**

**Automatic start detection by GPS**

**Info on distance differences compared to GPS (expert mode)**

**Check if T1 is not reset to 0 at RT start**

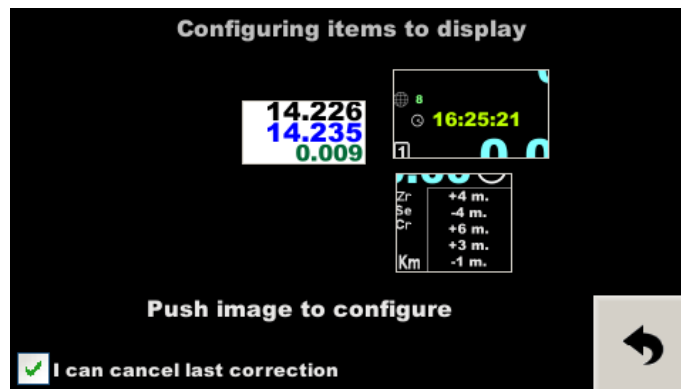
## 6.8 Display configuration



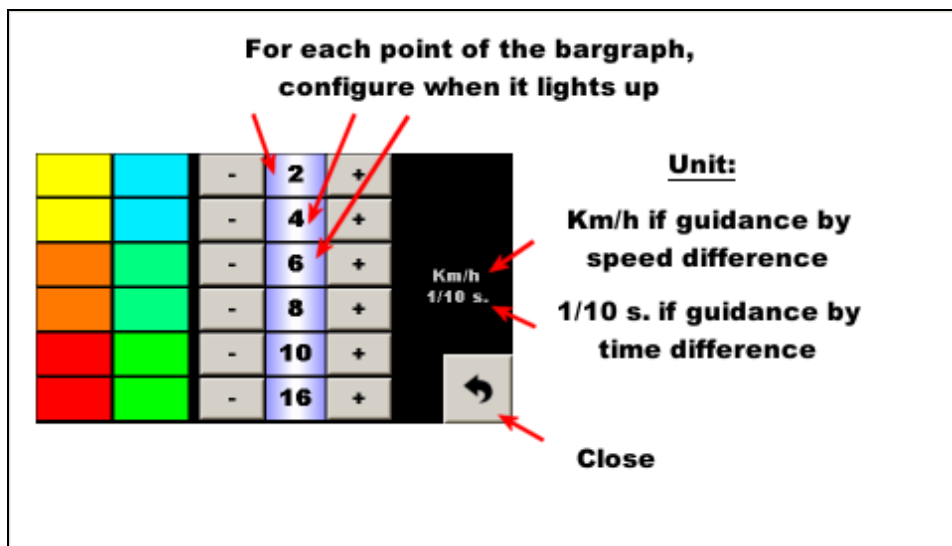
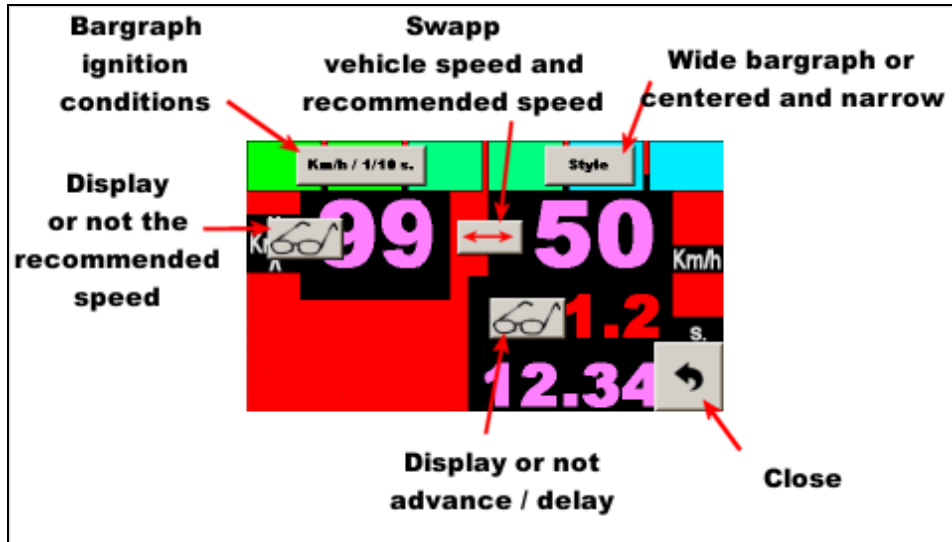
Press the color palette button to set the text color:



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



« pilot » page (configures also RP380/400 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 ...

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

**Software update (if found on the USB drive)**