CAR COMPATIBILITY					
MODEL	YEAR	STEERING WHEEL COMMANDS	OEM PARKING SENSORS VISUALIZATION	CLIMATE CONTROL VISUALIZATION	PLUG&PLAY HARNESS
VOLKSWAGEN					
POLO	2014->	CANBUS	O	O	CBL073VWUN21
GOLF VII	2013->	CANBUS	O	O	CBL073VWUN21
SKODA					
OCTAVIA III	2013->	CANBUS	O	O	CBL073VWUN21

PASER **INSTALLATION AND USE MANUAL**

VIDEOTRONIK 2.0

CANBUS steering wheel commands, parking Sensor and climate control systems displaying, adapter for Volkswagen Polo, Golf 7 e Skoda Octavia (2015>)

rev. 1.15

DESCRIPTION

Videotronik 2.0 interface is a video device capable of displaying, on the monitor of the radios listed in compatibility chart, a composite video signal useful to recover information such as: car parking sensors and climate controls via CANBUS. The module includes the steering wheel commands recovery. Below the list of the main features:

- Viewing with a composite video output.
- USB port for software updating.
- Video input to maintain the rear view camera visualization (selectable option).
- Radio control via the steering wheel commands of the vehicle.
- Services outputs such as ignition, odometer, lights and handbrake.

AUTO LEARNING AND FUNCTIONS

For the Videotronik 2.0 module connection the use of a plug and play harness is suggested. This solution allows to install the module as well as the radio monitor in few and safe steps. The protocol selection is made in **SELF-RECOGNITION**; once the connections are completed, inserting the module in the 22-poles connector, the unit will run the synchronization in about one second, indicated by **fast RED flashing** of the module's LED. At the recognition of the vehicle, the LED of VIDEOTRONIK 2.0 will turn on GREEN to confirm the correct car protocol setting. Now you need to set the radio profile, following the inside menu.

For any assistance, contact the technical support number: **+39 (0) 141-947676**

The information contained in this manual are for information purposes only, therefore, are subject to change without notice. At the time of publication the information is correct and reliable. However Paser can not be held responsible for any consequences arising from errors or omissions in this manual. Paser reserves the right to improve / change the product or manual without obligation to notify users.

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SOFTWARE UPGRADE

Videotronik 2.0 is equipped with a USB port, A vertical format.
The USB socket handles the unit software upgrade.
The update is automatic, uploading the file fwp073ununXXX.fwp (XXX = version) on the USB stick.
The file is downloadable from the website www.paser.it in the download section.
To execute the upgrade, please make the following steps:

- Remove the harness fuse.
- Hold the button down and power the device, entering the fuse, the LED of Videotronik 2.0 will flash yellow.
- Insert the key, the LED will flash red-yellow, indicating that the device is being updated.

After the upgrade, the LED will flash green. Remove the USB pen.
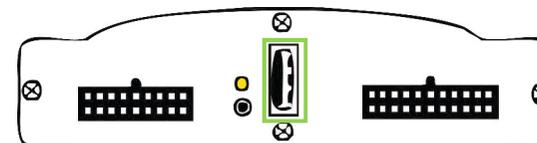

LED STATUS
The tri-color LED on the front can assume the following states:

- alternate flashing green / yellow = memory image update in progress
- alternate flashing yellow / red = program update in progress
- temporary yellow = steering wheel commands pressure in progress.

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## VIDEOTRONIK 2.0 SETTINGS - SCREEN MARGIN

Not all radios have same aspect ratio or dimension about the screen, for this reason it could be necessary to change height video signal. It can be done by the **Screen margin** menu.

Screen margin

Margin pixels: 0

| - | | + |

OK ↰
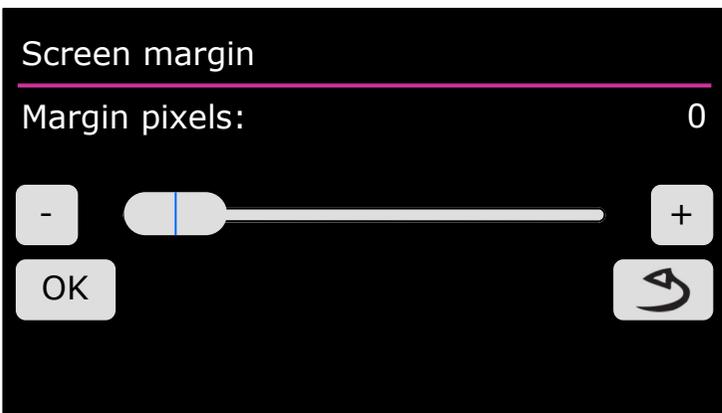
Increasing screen margin the video signal will result smaller.
To help finding the right value a white line is visible at the top of the video signal.

Screen margin

Margin pixels: 80

| - | | + |

OK ↰

INFRARED LED

4	3
2	1

14   13
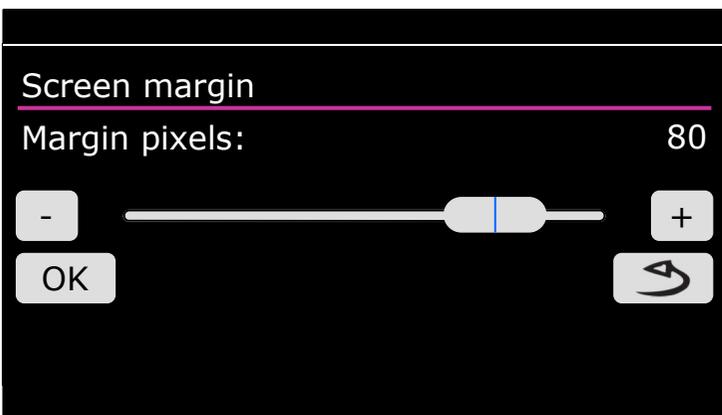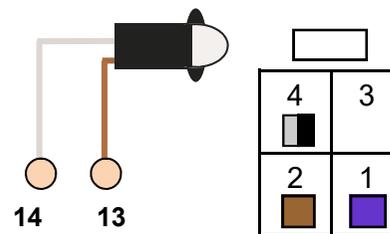
MICROFIT 4 POLES
to connect the specific radio adapter

| COLOUR	PIN	FUNCTION
VIOLET	1	STEERING WHEEL COMMANDS OUT
BROWN	2	REMOTE CODED
GREY / BLACK	4	STEERING WHEEL COMMANDS GND

ACCESSORIES CONNECTOR

In this connector is possible to connect after-market parking sensors or car frames.
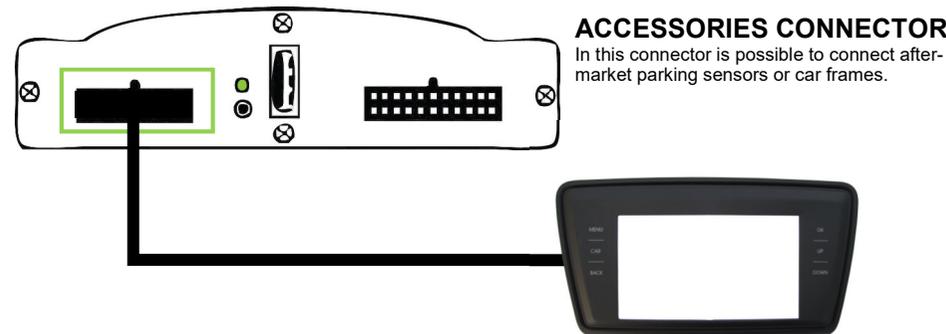
## CONNECTIONS

Connect the harness of the KIT as below described

TO FAKRA RADIO CONNECTOR

TO BE CONNECTED TO THE AUTORADIO REVERSE INPUT

SPEEDPULSE OUTPUT

HANDBRAKE OUTPUT

TO ISO RADIO CONNECTORS

TO BE CONNECTED TO THE AUTORADIO REAR CAMERA INPUT
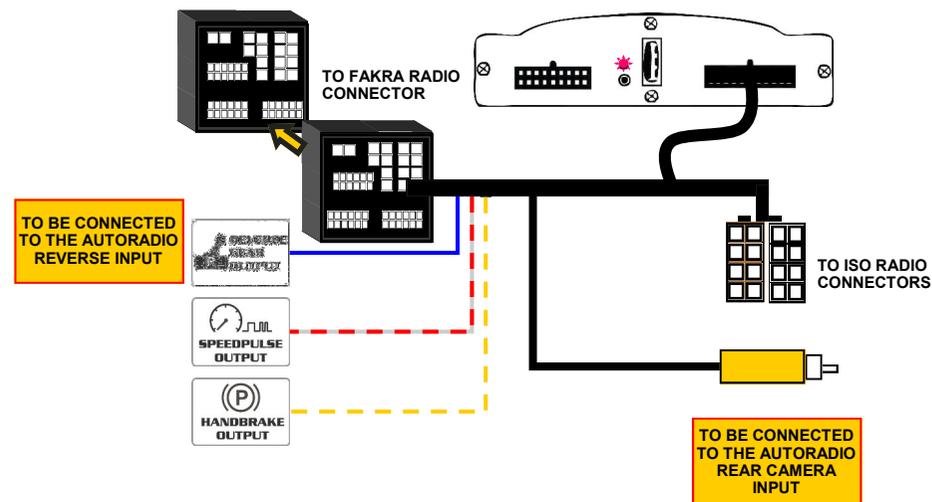
CAN BUS CONNECTIONS

Protocol selection is done in **SELF-LEARNING**, once completed the connection inserting the module to the connector, the unit will make, in around one second, the sincronization shown with fast **RED flashing** on the module.

Making the sincronization the car protocol is selected, this operation is confirmed when the **FIXED GREEN** on the module LED switch on.
The unit is now ready

WARNING!
IF YOU WANT TO INSTALL THE SAME INTERFACE ON A NEW CAR IT'S NECESSARY TO MAKE THE RESET OF THE MODULE.

RESET:
1.   WITH THE UNIT POWERED, PLEASE PRESS AND KEEP PRESSED THE BUTTON TILL THE LED SWITCHES OFF.
2.   WITH THE LED SWITCHED OFF, PLEASE LEAVE THE BUTTON: THE RESET IS DONE.

OPTIONS	DISABLED	ENABLED
OEM HEAD UNIT EMULATION	OEM RADIO EMULATION NOT ACTIVE	OEM RADIO EMULATION ACTIVE
SEEK/SRC IN AUDIO PAGE	SEEK/SRC BUTTONS ALWAYS ACTIVE TO THE RADIO	TASTI SEEK/SRC ACTIVE TO THE RADIO ONLY ON THE AUDIO PAGE OF THE CAR
IGNORE PHONE BUTTONS	PHONE BUTTONS ACTIVE	PHONE BUTTONS NOT ACTIVE
LONG PHONE HOOK ON	PHONE BUTTONS MULTIPLE FUNCTION PHONE UP: ANSWER / VOICE RECALL PHONE DOWN: HANG UP	PHONE BUTTONS SINGLE FUNCTION PHONE UP: ANSWER PHONE DOWN: HANG UP
ENABLE PERSISTANT COMMANDS	RESISTIVE OUTPUT MODULATED	RESISTIVE OUTPUT CONTINUOUS FOR 5 SECONDS
CAMERA PRIORITY	PARKING SENSORS WILL BE SHOWEN WITH THE REVERSE GEAR ON	REVERSE CAMERA WILL BE SHOWEN WITH THE REVERSE GEAR ON
DISABLE CLIMATRONIC	CLIMATE CONTROLS VISUALIZATION ACTIVE	CLIMATE CONTROLS VISUALIZATION NOT ACTIVE

VIDEOTRONIK 2.0 SETTINGS - OPTIONS MANAGEMENT

OPTIONS menu allows to change interface working mode in some particular conditions, this will improve the user experience.
In order to understand how to change option settings please check next page.

Options

- ☑ OEM Head Unit emulation
- ☐ Seek in audio page
- ☐ Ignore phone buttons
- ☑ Long phone hook on

Options

- ☐ Persistent commands
- ☐ Camera priority
- ☐ Disable climatronic

Back

RADIO CONNECTIONS

The tri-color LED on the front of the Videotronik 2.0 can assume the following states:

- Off = No power or low power state
- Steady red = CAN bus line partial recognition
- Flashing red = CAN bus line is not recognized / deleted profile car
- Fix Green = CAN bus line recognized
- Flashing yellow = active update mode

TROUBLES

- The unit does not work and the LED on the module is switched off.
- Check the correct connection of the power cables.
- The unit is properly powered on but the LED on the module is switched off and the unit does not work.
- Check the CANBUS cable connections / Try to press the button briefly.
- The unit is properly connected and the LED blinks RED fast.
- The unit can not synchronize the CANBUS, please contact the manufacturer.
- The unit is properly connected and the LED blinks RED irregular.
- Check the CANBUS cable connections .
- The unit is properly connected and the LED is on steady RED.
- The unit has performed the synchronization of the CANBUS but does not recognize the car. Contact the manufacturer.

CLIMATE CONTROLS VISUALIZATION

Videotronik 2.0 shows the climate control state, in compatible cars, each time an operation on the button panel is done.

The display is shown as in the picture below.

Left side temperature

Air flow

Right side temperature

Fan speed

Left seat heater level

Right seat heater level

22.5   22.5

AC   AUTO   DUAL
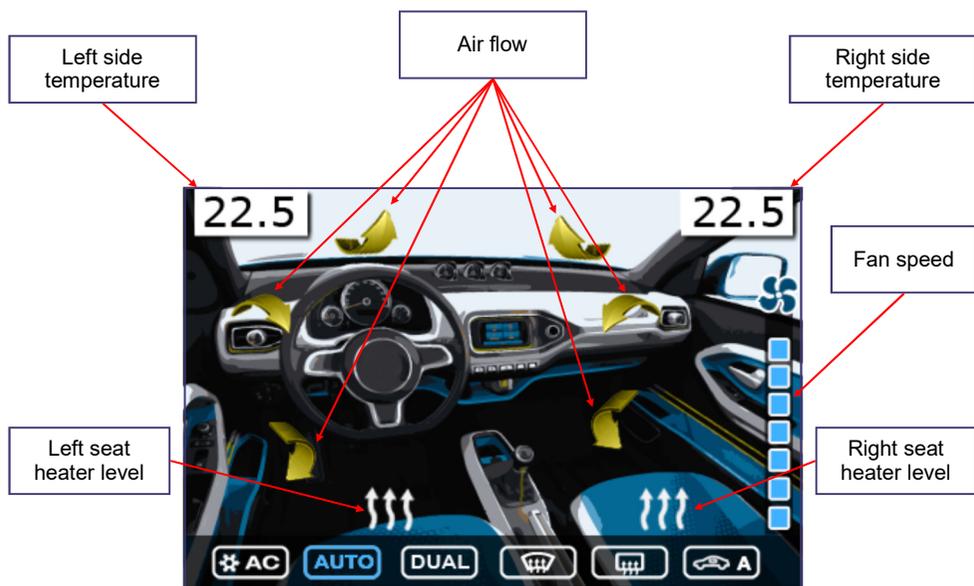
VIDEOTRONIK 2.0 SETTINGS - CAR PROFILE

Videotronik 2.0, on can bus cars, will recognize automatically the right car profile necessary to work but it is always possible to override the automatic selection. Only Paser knows the list, please do not change this value if not suggested by Paser assistance.

Vechicle profile

OK

077

PASER
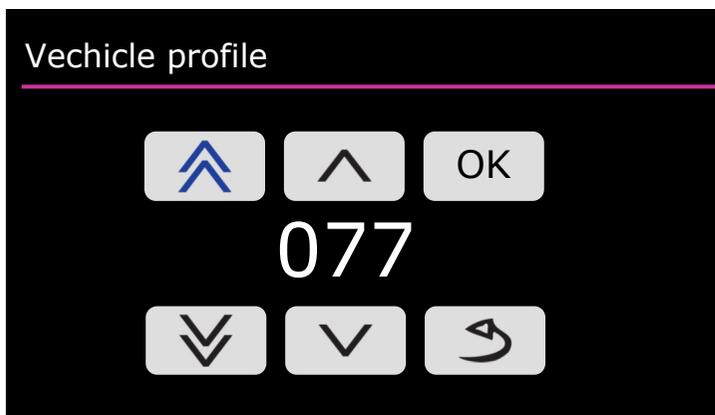
VIDEOTRONIK 2.0 SETTINGS - PARKING SENSORS

Set the required parking sensors protocol and confirm the selection using the button **OK**.

Rear sensor type

≫ ∧ OK

02

≫ ∨ ↶

PARKING SENSORS VISUALIZATION

Videotronik 2.0 can show a graphic visualization of the OEM or aftermarket parking sensors if the car is provided with.
Visualization is like in the picture below.

WARNING!
VIDEOTRONIK 2.0 BY DEFAULT IS SET UP ONLY FOR OEM REAR PARKING SENSORS. TO ACTIVATE ALSO THE FRONT PARKING SENSORS VISUALIZATION YOU HAVE TO MODIFY THE SPECIFIC CONFIGURATION ON THE INTERFACE MENU.
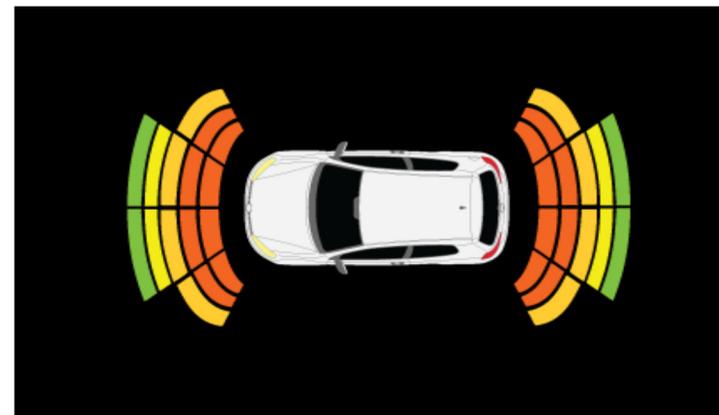
SWITCHING PROCEDURE FROM THE PARKING SENSORS TO THE REAR CAMERA
It's possible, during the parking sensors visualization, to switch to the rear camera.
This is possible through this sequence:
Volume +, Volume -, Volume +, Volume - OR by pressing the SRC/MODE button
This sequence can be used also for the switching from the rear camera to the parking sensors.

Videotronik 2.0 configuration are manageable directly from touch panel frame.

MENU button allows to enter the Videotronik MENU.
To confirm a selection press OK button.
To come back the MENU press BACK.
Use Up and DOWN buttons to navigate the MENU.
CAR button allows to enter directly the vehicle settings.

Main menu

Vehicle settings

Videotronik Settings

System info

Exit

⚠ **WARNING!**
TO ENTER THE INTERFACE MENU IT IS NECESSARY TO CONNECT A RADIO WITH A REAR CAMERA INPUT AND TO ENSURE THAT THE INTERFACE BLUE WIRE HAS BEEN CONNECTED TO THE RADIO REVERSE INPUT.

The interface, by default, is configured to manage OEM parking information (in compatible vehicles) but can also be set to manage aftermarket parking sensors.
To connect aftermarket parking sensors some cable kits, not included in standard package and depending on the model and brand used, are required

BRAND	MODEL	ONLY REAR KIT	FRONT+REAR KIT
GT ALARM	GT Parking System	KITCBL073VTMD11	KITCBL073VTMD21
MED	TopParking18 / TopParking3 TopParking4 / TopParking8	KITCBL073VTMD11	KITCBL073VTMD21
META SYSTEM	ActivePark4/14	KITCBL073VTMT11	KITCBL073VTMT21
LASERLINE	EPS4006D / EPS4012	KITCBL073VTLS11	KITCBL073VTLS21
COBRA	AMR294 / AMR394	KITCBL073VTCB11	KITCBL073VTCB21

In the **Parking sensors** menu it is necessary to set parking sensors parameters shown in the following table.

Parking sensors

Sound

Transducer

Type

Rear

PROFILE	BRAND	MODEL	TRASDUCER TYPE
0		NOT ACTIVE	NOT RELEVANT
1		OEM PARKING SENSORS	NOT RELEVANT
2	LASERLINE	EPS4006D / EPS4012 (left mounting)	PWM
3	LASERLINE	EPS4006D / EPS4012 (right mounting)	PWM
4	GT / MED	GT Parking System TopParking18 / 3 / 4 / 8	BUZZER
5	META SYSTEM	ActivePark4/14	SPEAKER
6	COBRA	AMR294 / AMR394	SPEAKER

VIDEOTRONIK 2.0 SETTINGS - RADIO PROFILE

Videotronik 2.0 can manage a wide list of radios, it's possible to change the radio profile through the dedicated menu.

Basic Selection
Selecting **Basic** and pressing **OK to confirm the selection** it will be possible to scroll through most used radios: Kenwood, Pioneer, Sony, Alpine, Asteroid (Parrot), Clarion, JVC.

Radio Profile

Basic	Kenwood
Advanced	
Back	
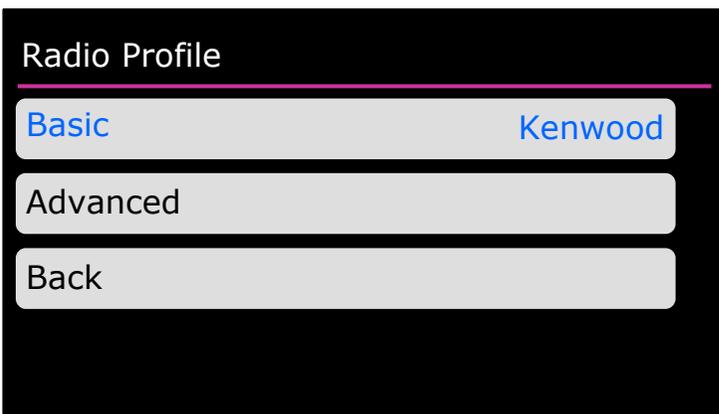
Advanced Selection
Using the **Advanced** selection it is possible to set the right radio protocol number, complete protocols list is available in the attached document.

Radio profile

⟰ ⋀ OK

02

⟱ ⋁ ↩
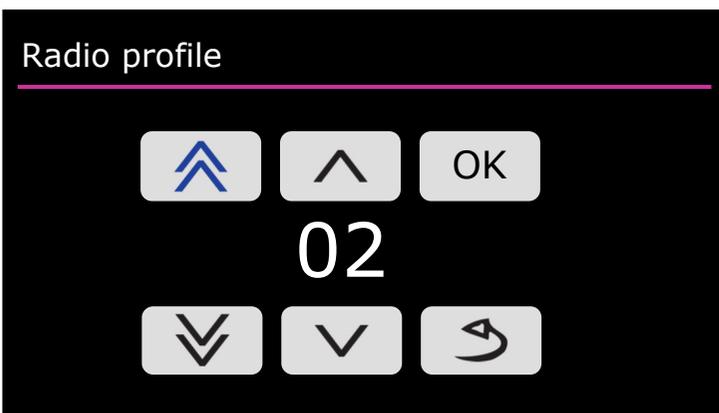
WARNING!
EACH RADIO NEEDS THE RIGHT STEERING WHEEL COMMANDS ADAPTER.
THE RIGHT ADAPTER NEEDED IS DESCRIBED IN THE ATTACHED DOCUMENT.

VEHICLE SETTINGS

Videotronik 2.0 allows to configure vehicle settings, if compatible and originally managed by the radio, from the **Vehicle settings** menu.
Inside this menu all settings managed by the module on the actual vehicle will appear, if some functions are not available they will not be shown.

Vehicle settings

- ⊚ Tyres
- 🚗 Driver Assistance
- ℗ Parking and manoeuvre
- ☀ Light

Vehicle settings

- Mirrors and wipers
- Opening and closing
- Multifunctional display
- Time and date
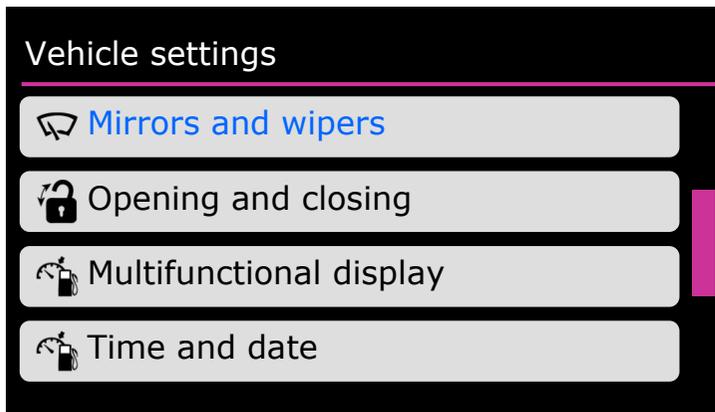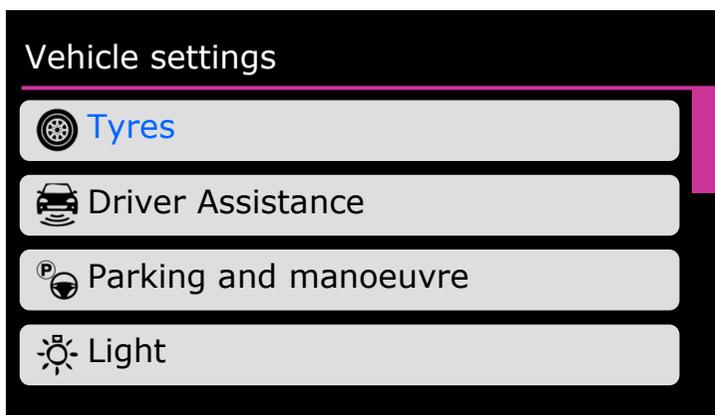
Selectioning **Videotronik settings** menu it will be possible to adjust some interface parameters like: language, radio profile, parking sensors… in this way it is possible to customize interface working.

Videotronik settings

| Language |
| Radio Profile |
| Parking Sensors |
| Vehicle Profile |

Videotronik settings

| Analog SW commands |
| Options |
| Screen Margin |
| Back |

Videotronik 2.0 menu labels can be configured in five different languages:

- Italian
- English
- French
- German
- Spanish

Select the language using UP or DOWN buttons and confirm the selection using OK button.

Select language

| 🇮🇹 Italiano |
| 🇬🇧 English |
| 🇫🇷 Français |
| 🇩🇪 Deutsch |

Select language

| 🇪🇸 Español |
| Back |