

CAR COMPATIBILITY

MODEL	YEAR	STEERING WHEEL COMMANDS	OEM PARKING SENSORS VISUALIZATION	CLIMATE CONTROL VISUALIZATION	PLUG&PLAY HARNESS
AUDI					
A3	2013->	CANBUS	0	0	CBL073VWUN21
VOLKSWAGEN					
POLO	2010-2013	CANBUS	0	0	CBL073VWUN11
POLO	2014->	CANBUS	0	0	CBL073VWUN21
GOLF VI	2009->	CANBUS	0	0	CBL073VWUN11
GOLF VII	2013->	CANBUS	0	0	CBL073VWUN21
GOLF PLUS	2009->	CANBUS	0	0	CBL073VWUN11
GOLF VARIANT	2009->	CANBUS	0	0	CBL073VWUN11
SCIROCCO	2009->	CANBUS	0	0	CBL073VWUN11
JETTA	2010->	CANBUS	0	0	CBL073VWUN11
NUOVA TOURAN	2010->	CANBUS	0	0	CBL073VWUN11
NUOVA SHARAN	2010->	CANBUS	0	0	CBL073VWUN11
TIGUAN	2009->	CANBUS	0	0	CBL073VWUN11
EOS	2009->	CANBUS	0	0	CBL073VWUN11
PASSAT	2009->	CANBUS	0	0	CBL073VWUN11
PASSAT VARIANT	2009->	CANBUS	0	0	CBL073VWUN11
PASSAT	2010->	CANBUS	0	0	CBL073VWUN11
PASSAT CC	2009->	CANBUS	0	0	CBL073VWUN11
NUOVO CADDY	2010->	CANBUS	0	0	CBL073VWUN11
MULTIVAN	2010->	CANBUS	0	0	CBL073VWUN11
SEAT					
ALTEA	2011->	CANBUS	0	0	CBL073VWUN11
LEON	2011->	CANBUS	0	0	CBL073VWUN11
ALHAMBRA	2011->	CANBUS	0	0	CBL073VWUN11
SKODA					
OCTAVIA III	2013->	CANBUS	0	0	CBL073VWUN21
FORD					
FIESTA	2013->	RESISTIVI	X	0	CBL073FOUN11
FOCUS	2011->	RESISTIVI	0	0	CBL073FOUN11
CMAX	2011->	RESISTIVI	0	0	CBL073FOUN11
BMAX	2012->	RESISTIVI	0	0	CBL073FOUN11

VIDEOTRONIK 2.0

CANBUS and RESISTIVE steering wheel commands, Parking Sensor and climate control systems displaying, adapter

rev. 2.15

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 VIDEO-TRONIK 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.

WARRANTY CONDITIONS

**THIS PRODUCT IS GUARANTEED 2 YEARS FOR ANY MANUFACTURING DEFECT.
VALIDITY OF THE WARRANTY IS FAITHFUL TO THE INVOICE.**

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

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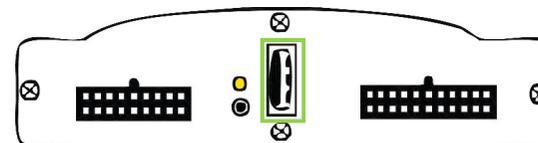
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SOFTWARE UPGRADE

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:

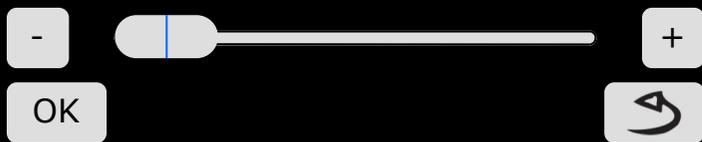
- alternate flashing green / yellow = memory image update in progress
- alternate flashing yellow / red = program update in progress
- temporary yellow = steering wheel commands pressure in progress.

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



LEGEND

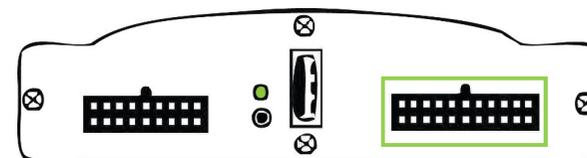
VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = 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

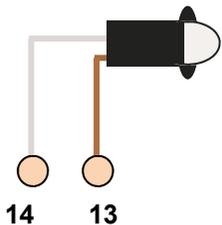


22	21	20	19	18	17	16	15	14	13	12
11	10	9	8	7	6	5	4	3	2	1

22 POLES MICROFIT

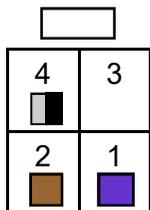
COLOUR	PIN	FUNCTION
RED	1	12V
BLACK	2	GND
ORANGE	3	LIGHTS OUTPUT
YELLOW	4	POSITIVE IGNITION IN
BLUE	5	REVERSE OUT
YELLOW / BLACK	6	REVERSE IN
WHITE	7	VIDEO OUT
RED	8	GND VIDEO OUT
WHITE	9	VIDEO IN
RED	10	GND VIDEO IN
GREY	11	GMLAN
YELLOW / WHITE	12	HAND BRAKE
BROWN	13	INFRARED LED - CATODO IR
WHITE	14	INFRARED LED - ANODO IR
PINK	15	V1 - RESISTIVE LEARNING INPUT
GREY / BLACK	16	RADIO RESISTIVE REMOTE COMMANDS GND
BROWN	17	RADIO REMOTE CODED
PURPLE	18	RADIO RESISTIVE REMOTE COMMANDS OUTPUT
GREEN	19	CAN H
WHITE	20	CAN L
BLUE / YELLOW	21	POSITIVE IGNITION OUTPUT
RED / GREY	22	SPEEDPULSE

INFRARED LED

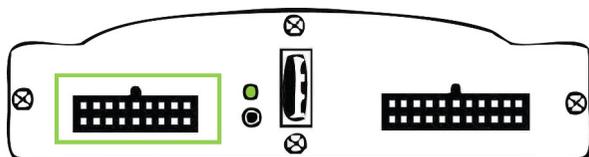


MICROFIT

4 POLES to connect the specific radio adapter



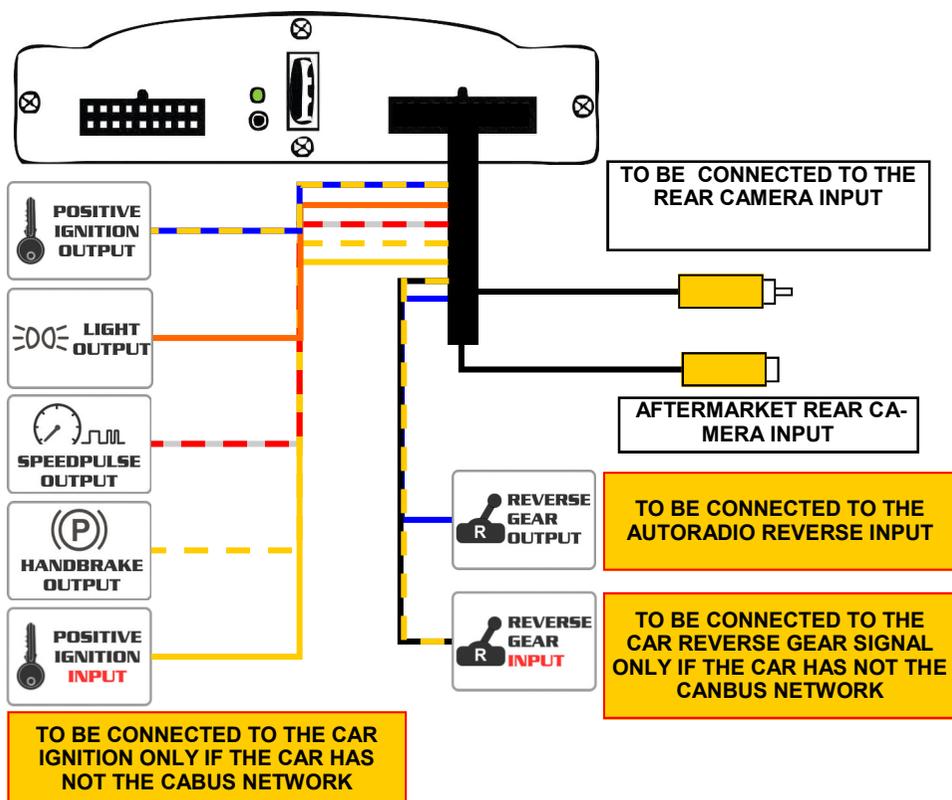
COLOUR	PI N	FUNCTION
VIOLET	1	STEERING WHEEL COMMANDS OUT
BROWN	2	REMOTE CODED
GREY / BLACK	4	STEERING WHEEL COMMANDS GND



PARKINS SENSORS CONNECTOR

Various adapters are available depending on installed parking sensors

CONNECTIONS



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 SHOWN WITH THE REVERSE GEAR ON	REVERSE CAMERA WILL BE SHOWN 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

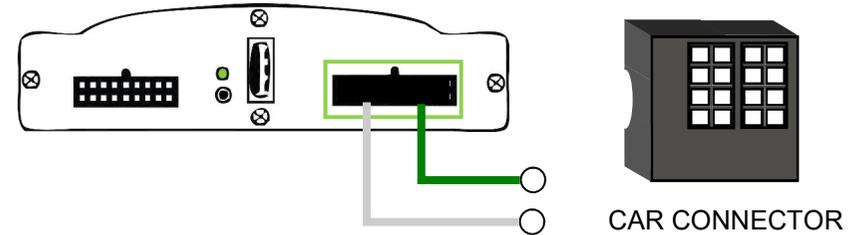
LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

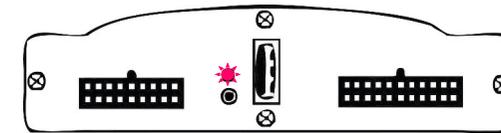
SHORT RESET = DOWN
LONG RESET = OK

CAN BUS CONNECTIONS

To allow to the Videotronic 2.0 to read nformations regarding parking sensors, climate control, servises and steering wheel commands, the device must be connected to the car can bus network
To make such connection please see attached document.



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



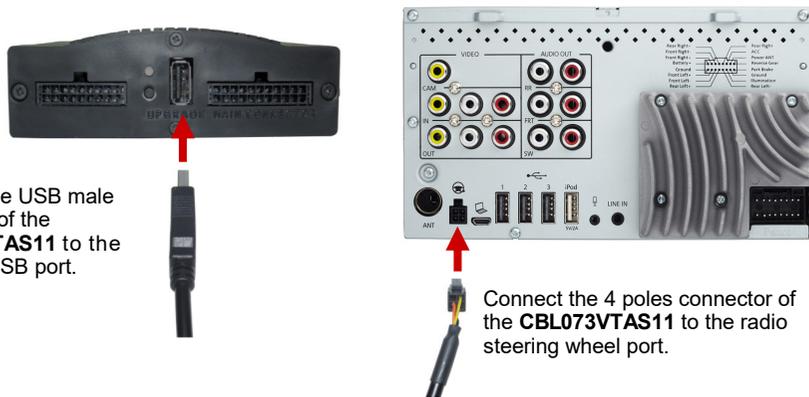
WARNING!
IF YOU WANT TO INSTALL THE SAME INTERFACE ON A NEW CAR IT'S NECESSARY TO MAKE THE RESET OF THE MODULE.

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.

RADIO CONNECTIONS

Connect the USB male connector of the **CBL073VTAS11** to the interface USB port.



Connect the 4 poles connector of the **CBL073VTAS11** to the radio steering wheel port.

LED STATUS

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.

ANALOG STEERING WHEEL BUTTONS SETTINGS - FUNCTIONS ASSIGNMENT

Function assignment allows to disable or change the function related to particular button.

Function assignment

Key #1	VOL +
Key #2	VOL -
Key #3	SEEK +
Key #4	SEEK -

LEGEND

VOL + = OK
 SEEK - = UP
 SEEK + = DOWN
 SHORT RESET = DOWN
 LONG RESET = OK

To change function is necessary to:

1. Select the button, for example **KEY #2**
2. Confirm the selection until the desired function will not be shown, the list of available functions depends on the radio profile. Please check it in the attached document.

Function assignment

Key #1	VOL +
Key #2	SOURCE
Key #3	SEEK +
Key #4	SEEK -

ANALOG STEERING WHEEL BUTTONS SETTINGS - KEYS LEARNING

Press in sequence the button required by the screen and, after the word **DONE!** will be displayed, release the button. Memorize all buttons.

Keys learning...

Key#	Function	Action
0	RELEASE	DONE!
1	VOL +	PUSH PLEASE

At the end of the acquisition, to close the programming procedure, it is necessary to press one button already memorized.

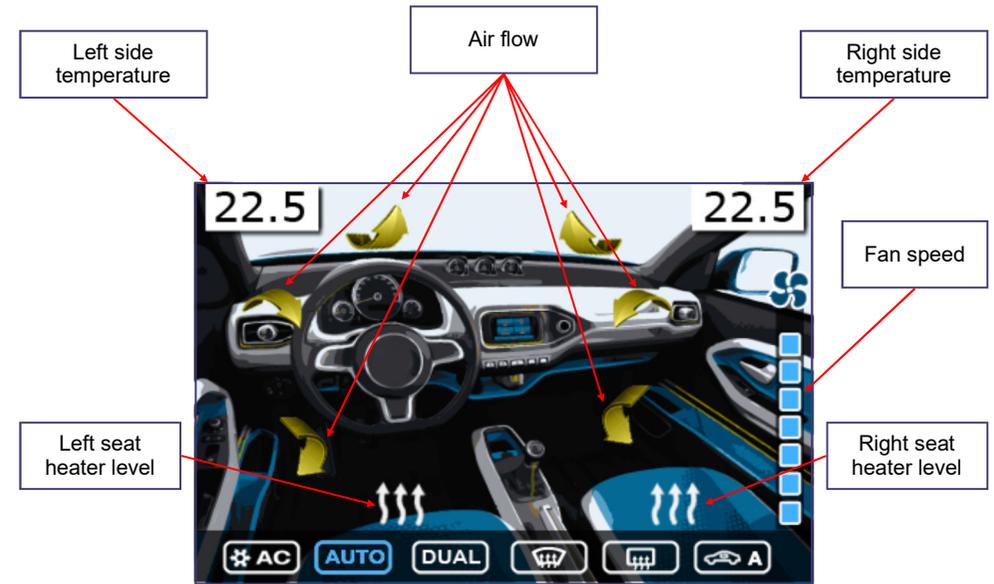
Keys learning...

Key#	Function	Action
0	RELEASE	DONE!
1	VOL +	DONE!
2	VOL -	DONE!
3	SEEK +	DONE!
4	SEEK -	DONE!
5	MUTE	PUSH PLEASE

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.



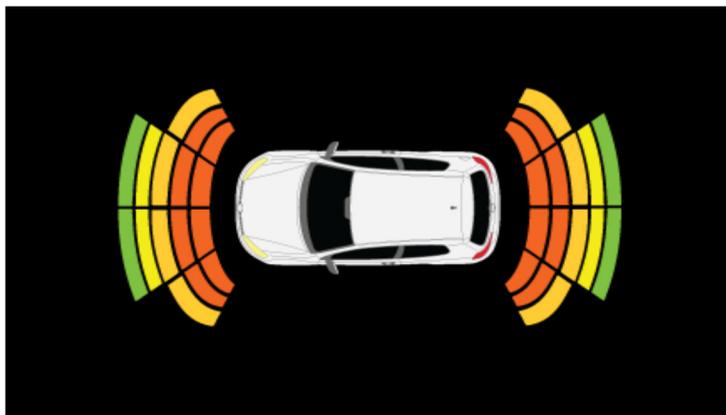
PARKING SENSORS VISUALIZATION

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 SETTINGS - ANALOG STEERING WHEEL BUTTONS SETTINGS

Videotronik 2.0 can also manage resistive steering wheel buttons. Connections are described in the attached document.

After those connections are done, it is necessary to configure buttons by the **Analog Steering Wheel Buttons settings** menu.

Analog Steering Wheel Buttons settings contains two sub-menu:

- **Keys learning:** it allows to memorize car buttons
- **Function assignment:** it allows to customize the function assigned to each button

By default, in the interface are already memorized the values of Ford cars from 2011 .

Analog steering wheel buttons settings

Keys learning

Function assignment

Back

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = OK



WARNING!

ENTER INSIDE KEY LEARNING MENU WILL ERASE ALL BUTTONS ALREADY MEMORIZED. ENTERING PAY ATTENTION TO NOT KEEP PRESSED ANY BUTTON ON THE STEERING WHEEL.

This process will clear actual values of learnt analog steering wheel buttons and can make buttons unworking. Are you sure?

Confirm

Cancel

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.

Vehicle profile

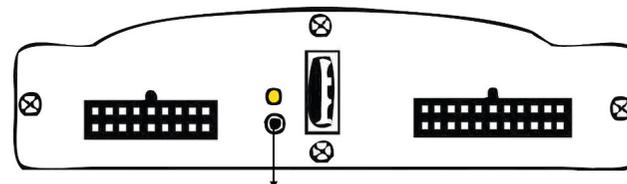


LEGEND
 VOL + = OK
 SEEK - = UP
 SEEK + = DOWN

 SHORT RESET = DOWN
 LONG RESET = OK

DEVICE MENU

Using the steering wheel buttons with the sequence: **Seek +, Seek -, Seek +, Seek -**, it is possible to enter the Videotronik MENU both with resistive steering wheel (if acquired) and CAN-BUS. It is also possible to access the menu by pressing three times the reset button. In the menu press the button briefly to move among items, a long press confirms the selected item; You can also move using the buttons on the steering wheel, the Vol + button allows you to "Confirm", the keys Seek + (DOWN), Seek - (UP) allow you to scroll through the items.



MICROBUTTON

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.

VEHICLE SETTINGS

Videotronic 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

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = OK

Vehicle settings

Mirrors and wipers

Opening and closing

Multifunctional display

Time and date

VIDEOTRONIK 2.0 SETTINGS - PARKING SENSORS

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

Rear sensor type



LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = OK

VIDEOTRONIK 2.0 SETTINGS - PARKING SENSORS

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

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN
SHORT RESET = DOWN
LONG RESET = OK

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

Selecting **Videotronic 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.

Videotronic settings

Language

Radio Profile

Parking Sensors

Vehicle Profile

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN
SHORT RESET = DOWN
LONG RESET = OK

Videotronic settings

Analog SW commands

Options

Screen Margin

Back

VIDEOTRONIK 2.0 SETTINGS - LANGUAGE

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

- Italian
- English
- French
- German
- Spanish

Select the language using Seek buttons and confirm the selection using Vol+ button, selection can be executed also by reset interface button like described by the legend.

Select language

Italiano

English

Français

Deutsch

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = OK

Select language

Español

Back

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 on Vol + **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

LEGEND

VOL + = OK
SEEK - = UP
SEEK + = DOWN

SHORT RESET = DOWN
LONG RESET = OK

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



WARNING!

EACH RADIO NEEDS THE RIGHT STEERING WHEEL COMMANDS ADAPTER.
THE RIGHT ADAPTER NEEDED IS DESCRIBED IN THE ATTACHED DOCUMENT.