# INSTALLATION MANUAL

Steering wheel remote control interface for:

FIAT, CITROËN, PEUGEOT

Model: Ducato III   250/251   2006 – 2011
Ducato III   250/251   2011 – 2014
Ducato III   250/251/290   2014 – 2021
Jumper II   250/251/290   2006 →
Boxer II   250/251/290   2006 →

Kit content: SWRC CAN bus to UART interface with wiring harness and ISO connector; antenna DIN adapter; camera adapter, plastic socket

Compatibility: Compatible with several original radio systems

Suitable for: ALPINE Head Units with "CONNECT2 I/F" input
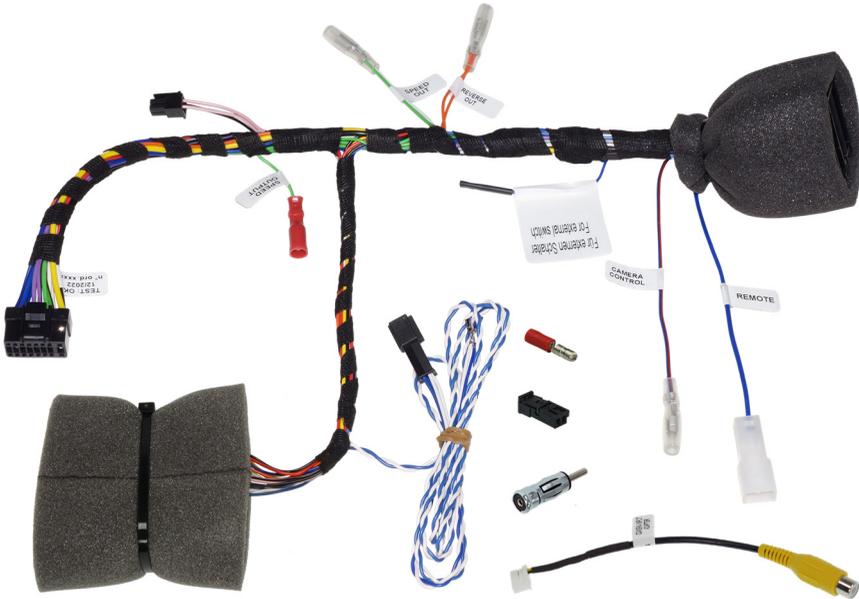
INSTALLATION MANUAL

A. Content and wiring harness connections
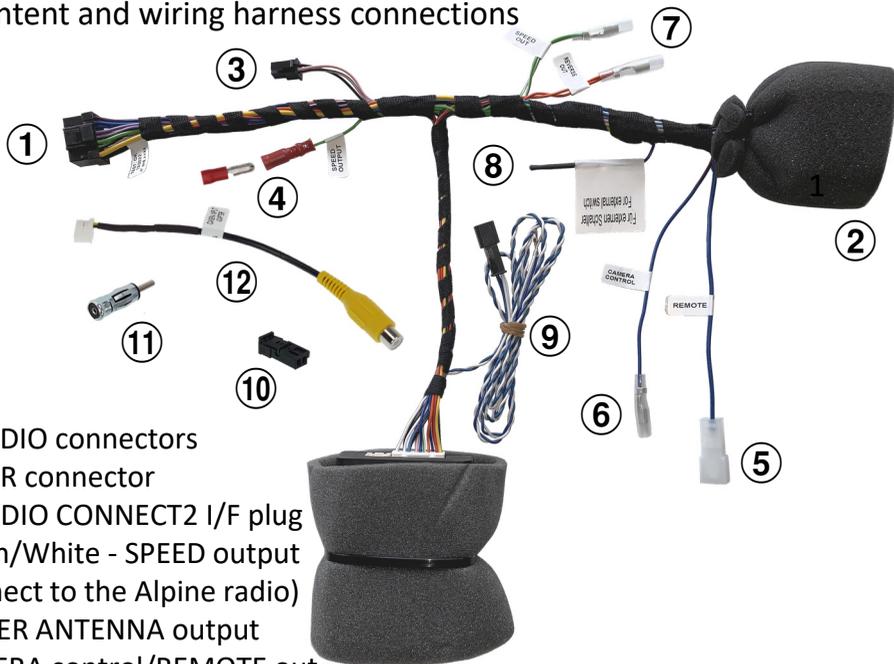
1 - to RADIO connectors
2 - to CAR connector
3 - to RADIO CONNECT2 I/F plug
4 - Green/White - SPEED output
   (connect to the Alpine radio)
5 - POWER ANTENNA output
6 - CAMERA control/REMOTE out
7 - to optional/extra SERVICES:
   Orange – Reverse output
   Green/White – Speed output
8 - to external switch (Blue cable)

9 - CAN BUS connection access cable
10 - CAN BUS housing for cables
11 - ISO/DIN antenna adapter
12 - CAMERA input adapter

B. Additional accessories.

1. If the car is not equipped with open dash and single DIN radio frame, replace the radio dock with the following original Fiat spare part number: 735535319
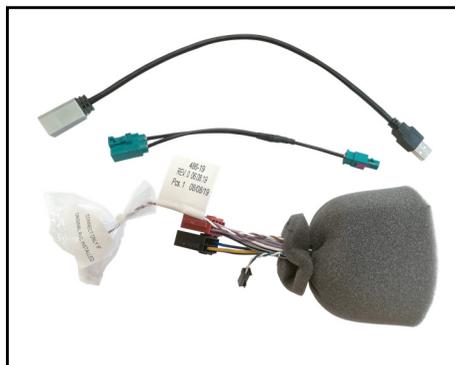
2. If the car is not equipped with ISO connector for radio, you need the following Alpine part number: KIT-DU-OEM.

C. Connect the CAN bus cable to vehicle (point 10 / page 2).

1. Remove the two screws of the instrument panel cover.

2. Lift the cover at the back first

3. Now remove the cover completely from the instrument cluster.

Instrument Cluster Connector

Alpine Interface   Vehicle Harness
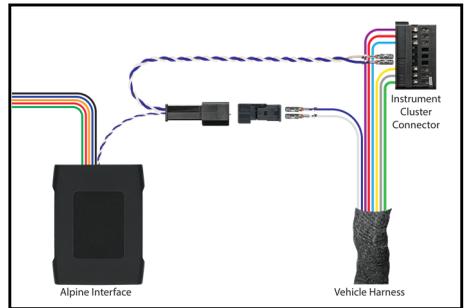
4. Establish a CAN bus connection to the instrument cluster. Laying the CAN cable from radio connector to the back side of instrument cluster.

5. Remove the connector from the instrument panel.
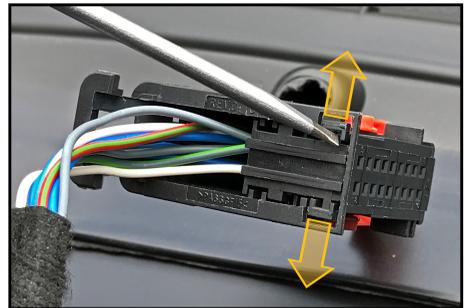
6. Release the locking clips of the connector housing.

7. Remove the connector from the housing.
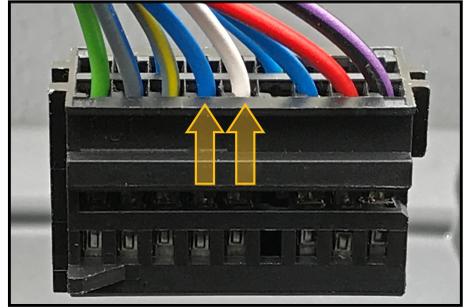
8. CAN cables: colors according to table.

Modelyear	CAN High		CAN Low	
2014 -	(blue)			
2011 - 2014	(black)	(orange)	(white)	(orange)
2006 - 2011	(black)	(pink)	(white)	(pink)
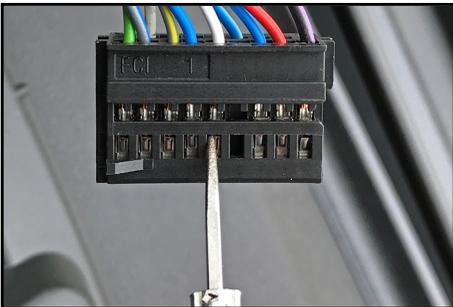
9. Release the terminals of the CAN cables with the suggested release tool.
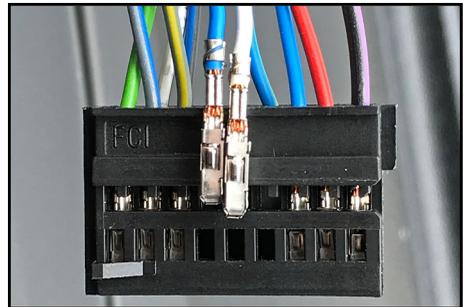
10. Remove both cables.
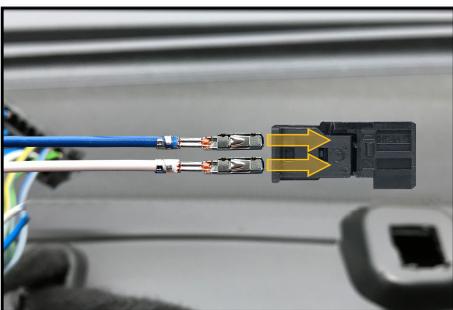
11. Insert both cables to the supplied 2 pin connector housing as shown.
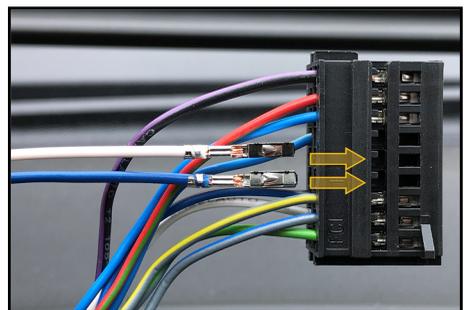
12. Insert the terminals of the cables from the supplied T-Harness into the connector from the instrument cluster.

C. Connect the CAN bus to vehicle (point 10 / page 2).
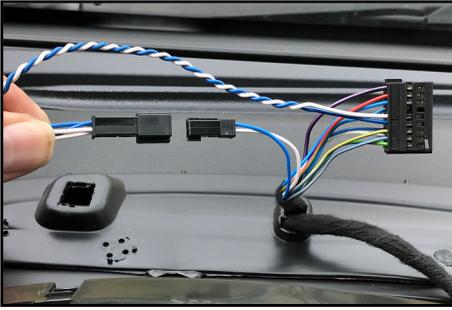
13. Connect both CAN plugs.
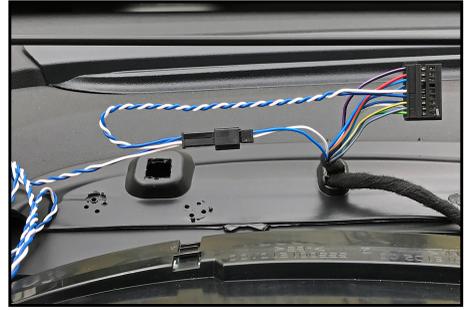
14. The CAN bus connection for the interface is now established.
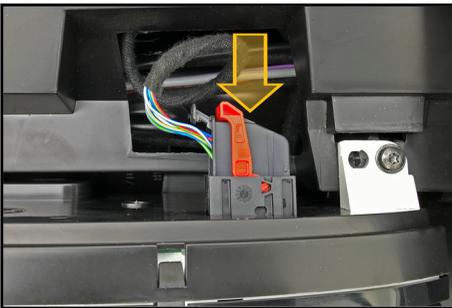
15. Assemble the connector housing and the cover from instrument cluster in reverse order.

16. Connect the harness as indicated on page 12 of this installation manual.

D. Steering wheel remote control functions.

The Fiat Ducato, Citroën Jumper & Peugeot Boxer steering wheel remote control buttons perform the following functions:
(if supported by the radio / vehicle):

1 Mute
2 Volume +/–
3 Voice Command
    *not in older Ducato
4 Accept incoming call /
    Voice Command
5 Seek +/–
6 Hang up active call / Source

E. Set the radio type according to the configuration of your vehicle.

VEHICLE CONFIGU-RATION	Configuration **with** / *without* radio steering wheel remote controls and open dash	Configuration **with** / *without* radio steering wheel remote controls and open dash with 52-pin FCA connector	Configuration **with** / *without* radio steering wheel controls and radio with ISO connector with CAN included
SWRC			
RADIO TYPE			
INTERFACE SETTING	Select the configuration indicated in the picture. For more details see page 8 of the manual.	Select the configuration indicated in the picture. For more details see page 8 of the manual. Additional accessories required.	Not compatible. In preparation. Will be made available as "Delphi Radio" soon. For more details see page 8 of the manual.
INTERFACE SETTING			-
CONNECTOR TYPE	ISO	52-pin	ISO

VEHICLE CONFIGU-RATION	Configuration **with /** *without* radio steering wheel controls and VP1 radio	Configuration **with /** *without* radio steering wheel controls and VP2 radio	Configuration **with /** *without* radio steering wheel controls and 7 inch 2020 Navi
SWRC			
RADIO TYPE			
INTERFACE SETTING	Select the configu-ration indicated in the picture. For more details see page 8 of the manual. Additional accessories required.	Select the configu-ration indicated in the picture. For more details see page 8 of the manual. Additional accessories required.	Select the configu-ration indicated in the picture. For more details see page 8 of the manual. Additional accessories required.
INTERFACE SETTING			
CONNECTOR TYPE	52-pin	52-pin	ISO

F. Access the interface *OEM Radio* menu as shown in the pictures.
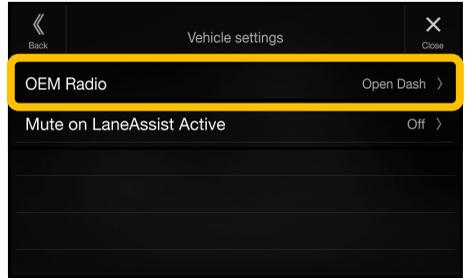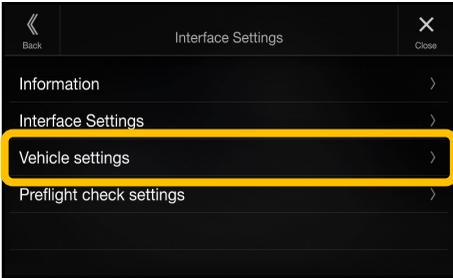
Mute on LaneAssist Active
- Switch between *On* and *Off*

Choose your originally installed radio type.
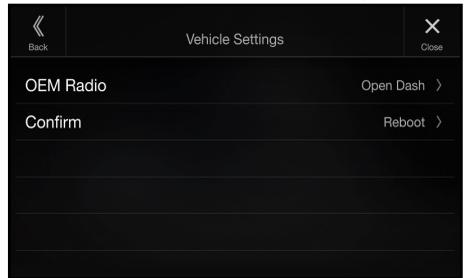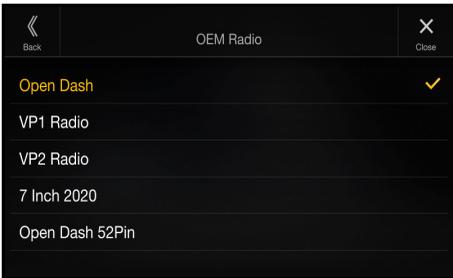
Confirm (Reboot) your radio type.

G. Access the interface *Information* as shown in the pictures.
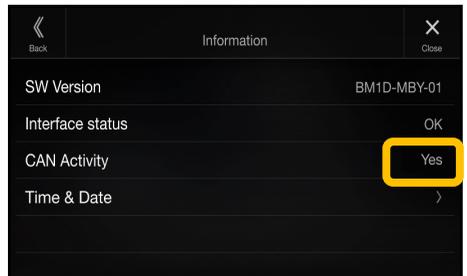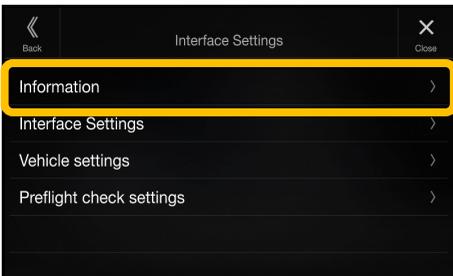
CAN Activity (Yes / No)
- If the CAN connection to the vehicle is correct, display shows "*Yes*".

G. Access the interface *Information* as shown in the pictures.

≪ Back	Information	✕ Close
SW Version		BM1D-MBY-01
Interface status		OK
CAN Activity		Yes
Time & Date		›

≪ Back	Time & Date	✕ Close
Sync radio clock		On ✓
Year	— 19	+
Month	— 1	+
Day	— 1	+
Hour	— 0	+
Minute		
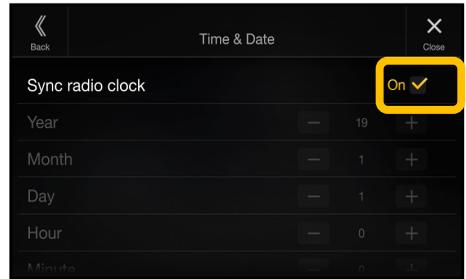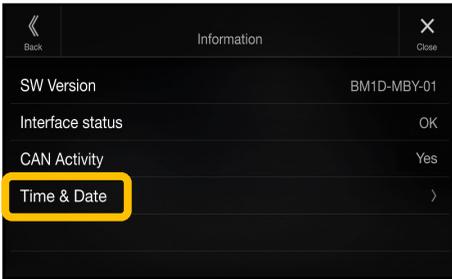
Time & Date
- The menu item is only displayed in vehicles with the original VP2 radio

Sync radio clock
- After installing the interface, if the vehicle had the VP2 OEM radio previously installed, you may find that the time clock in the instrument panel flashes. In this case the clock needs to be set or sync'd via the radio.

H. Access the *Interface Settings* as shown in the pictures.

≪ Back	Interface Settings	✕ Close
Information		›
Interface Settings		›
Vehicle settings		›
Preflight check settings		›
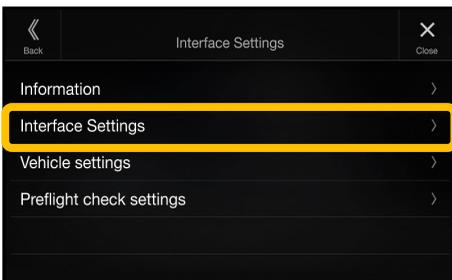
Ignition Logic (only if supported by vehicle)
- Switch between *Key* and *Doo*r
- *Key* = the radio switches on automatically when the key is turned in the ignition lock
- *Door* = the radio switches on automatically when the central locking (must be supported by the vehicle) of the door is opened (PRE-ignition)
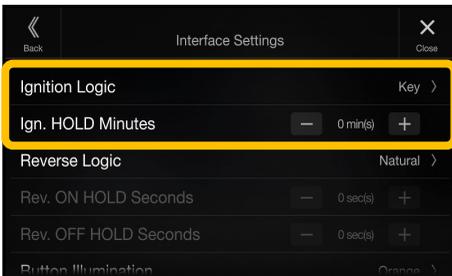
Ignition HOLD Minutes
- Adjustable between 0 and 30 min(s)
- The radio "runs on" the set time (0 to 30 min(s)) when the ignition is switched off from the vehicle / radio

≪ Back	Interface Settings	✕ Close
Ignition Logic		Key ›
Ign. HOLD Minutes	— 0 min(s)	+
Reverse Logic		Natural ›
Rev. ON HOLD Seconds	— 0 sec(s)	+
Rev. OFF HOLD Seconds	— 0 sec(s)	+
Button Illumination		Orange
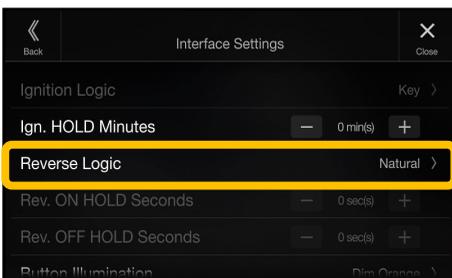
Reverse Logic
- Switch between *Natural* and *Delayed*
- *Natural* = Switches the reversing signal with activation / deactivation of the reverse gear immediately *ON* / *OFF*
- *Delayed* = Switches the reversing signal with activation / deactivation of the reverse gear with a delay *ON* / *OFF*

≪ Back	Interface Settings	✕ Close
Ignition Logic		Key ›
Ign. HOLD Minutes	— 0 min(s)	+
Reverse Logic		Natural ›
Rev. ON HOLD Seconds	— 0 sec(s)	+
Rev. OFF HOLD Seconds	— 0 sec(s)	+
Button Illumination		Dim Orange ›

H. Access the *Interface Settings* as shown in the pictures.

《 Back	Interface Settings	× Close
Ignition Logic		Key ›
Ign. HOLD Minutes	— 0 min(s) +	
Reverse Logic		Delayed ›
Rev. ON HOLD Seconds	— 0 sec(s) +	
Rev. OFF HOLD Seconds	— 0 sec(s) +	
Button Illumination		Dim Orange ›
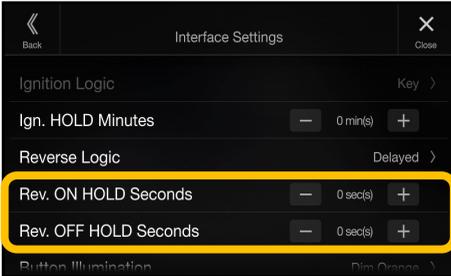
Reverse OFF HOLD Seconds (0 to 30sec(s))
- When you are removing the reverse gear, the interface will remove the reverse to the radio after the time period (0 to 30sec(s)) specified in the menu.
(The camera image of the rear-view camera is displayed accordingly longer.)

Reverse ON HOLD Seconds (0 to 30sec(s))
- When you are engaging the reverse gear, the interface will trigger the reverse to the radio after the time period (0 to 30sec(s)) specified in the menu.

《 Back	Interface Settings	× Close
Button Illumination		White ›
Preflight Check		Off
Button Configuration		Horizontal ›
Steering Wheel		Left ›
Factory Settings		›
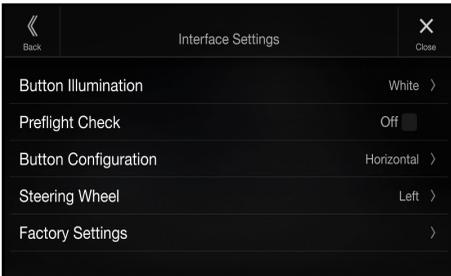
Button Illumination
(only X903D-DU(2)/X903D-ID/X903D(C)-F)
- Switch the button illumination:
  Orange, Dim Orange, Yellow, Dim Yellow, Red, Dim Red, Green, Dim Green, Blue, Dim Blue, White, Dim White

Preflight Check (On/Off)
- Selection of different notification options
- Driver receives notification before start if equipment is secured
Button Configuration (only X903D-DU(2)/X903D-ID/X903D(C)-F)
- Configures the respective key assignment depending on the installed position of the keys (not used)
Steering Wheel (only X903D-DU(2)/X903D-ID/X903D(C)-F)
- Switchable between *Left* (default) and *Right*
Factory Settings
- Resets all interface settings

I. Access the *Pre-Flight Check* Settings as shown in the pictures.

《 Menu	⛟ Climate		🔧 Car Setting	× Close
LxWxH: 7,5m x 2,25m x 3,0m; 3,49t; Diesel				
Please make sure to secure: Shower door, Windows, Gas. Remove: Levelling jacks.				
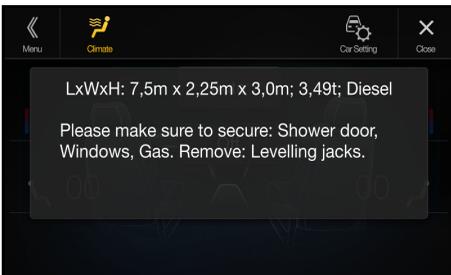
The Pre-Flight Check features shows the vehicle parameters and preselected warnings every time the engine is started.

NOTE: *The control of TV Tuner or DVD Player is no longer possible when ACC Control is activated.*

I. Access the *Pre-Flight Check* Settings as shown in the pictures.

To enable the feature, select
Menu → Setup.
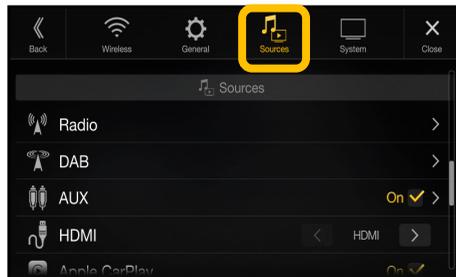
Select *Sources* from the upper
icons.
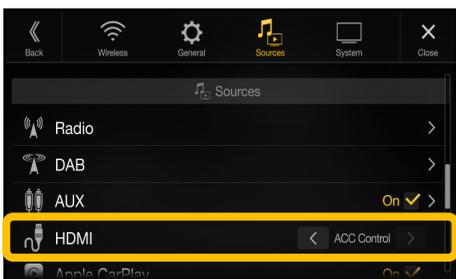
In the *HDMI* section select *ACC
Control**.

Go to the Interface Settings and
set the preferred options under
Preflight check settings.
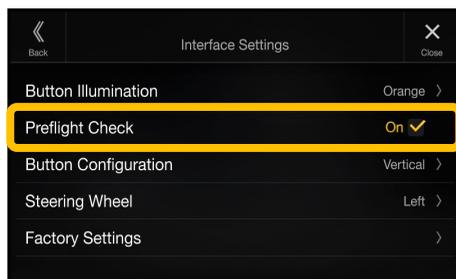
Now you can enable *PreFlight
Check* in the Interface Settings.
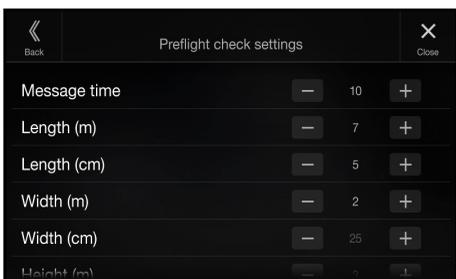
In the upper section you can configure
how long the message will be shown
and the vehicle parameters.
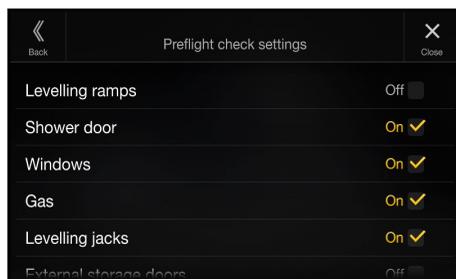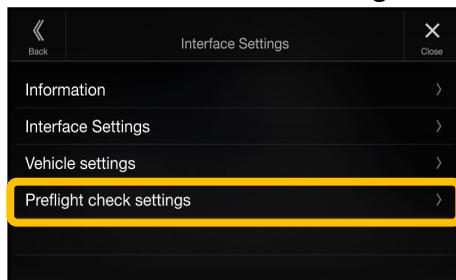
In the lower section, select items
to be shown after the engine was
started.

J. Connectivity Layout

CAMERA

SPEED SENSOR

CONNECT2 I/F

AUX INPUT

CAN I/F Connector

AVN Unit

GPS

CAN I/F

USB

SXM/DAB

HDMI IN

HDMI OUT

PRE OUT

W.REMOTE

POWER

DIN Antenna

W. Remote Cable

AVN Power Connector

CAMERA INPUT ADAPTER

SPEED OUT

TO INSTRUMENT CLUSTER

FROM VEHICLE HARNESS

CAN Interface

CAN CABLE

DVD REMOTE

MON REMOTE

REMOTE IN

REMOTE OUT

DVD STATUS IN

STEERING REMOTE

MIC IN

FOR EXTERNAL SWITCH

MICROPHONE

CAMERA CONTROL

SPEED OUT

REVERSE OUT

REM+12V

ISO CONNECTOR