CAM-Uconnect 2022
Camera Video interface

AHD / CVBS compatible
Rear + Front + Left + Right camera inputs

Compatible with cars/systems like:
Fiat Ducato 10 inch
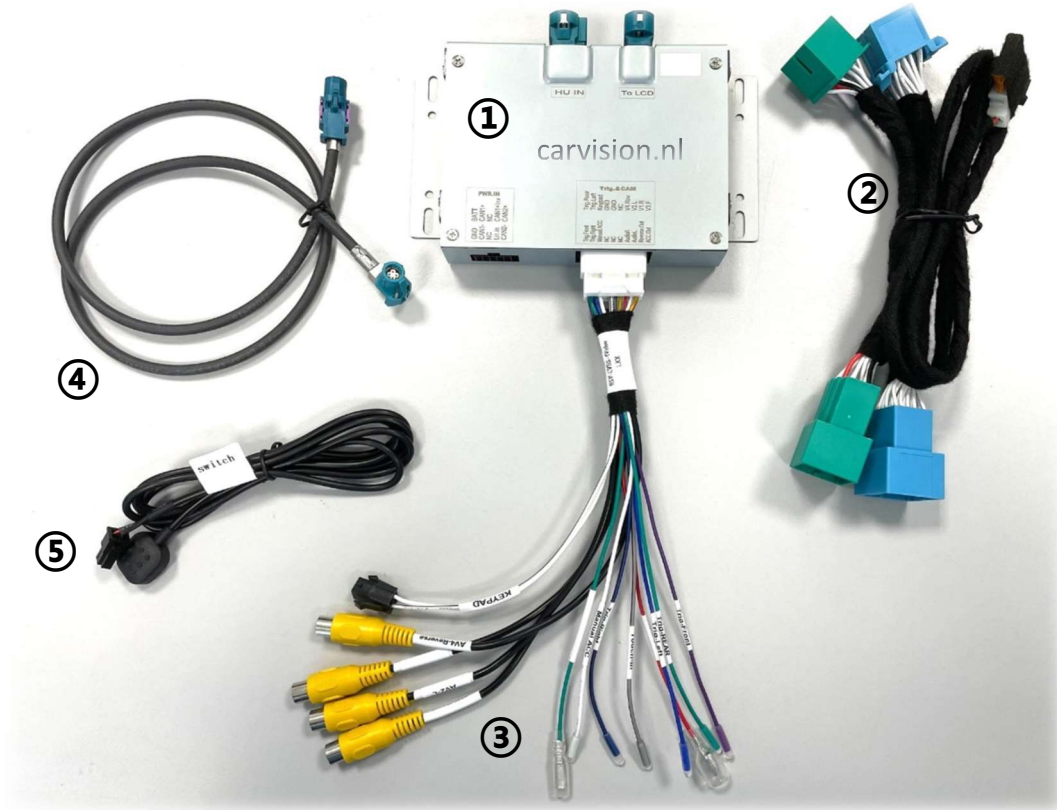Fiat 500/500e 10.25 inch & 7 inch
Fiat Tipo 10.25 inch
Alfa Romeo Tonale 10.25 inch
Jeep Compass 10 inch
All systems must have separate head-unit
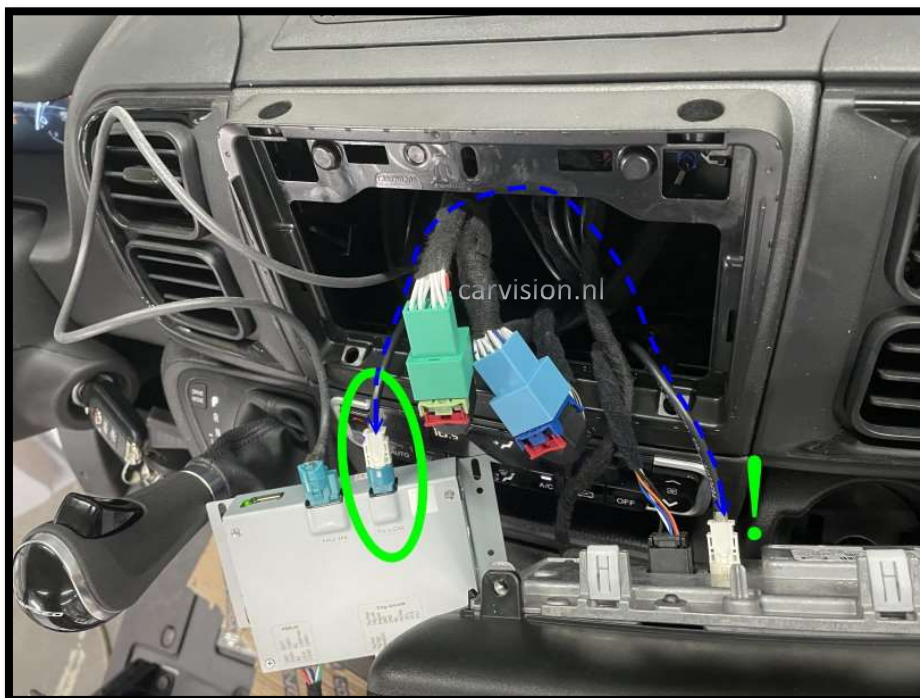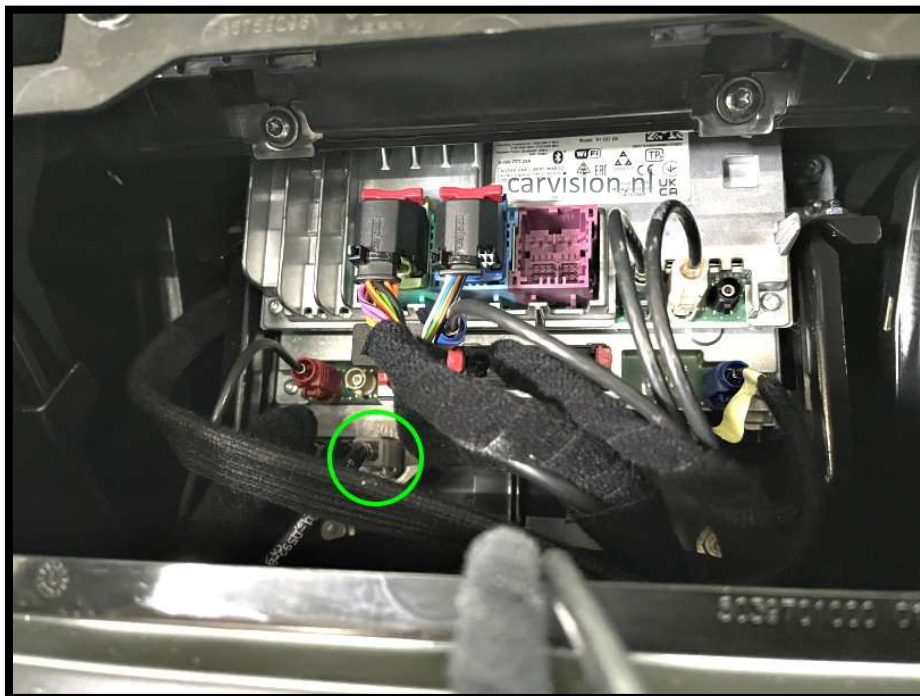
Article code: 300 386

Content:

Item	Qty	Description	Part No.
1	1	Interface Box	
2	1	CAN/Pwer Harness	
3	1	Video / Trigger CABLE	
4	1	LVDS Cable	
5	1	External Switch button	

Installation:

LVDS-OEM: take out the (white) picture cable from the backside of the head-unit

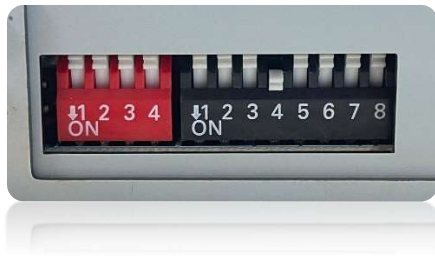and insert it in the interface connector **TO LCD**.

LVDS-2: connect the second/included LVDS picture cable to the interface **HU-IN** and the another side to the head-unit LVDS socket.

Power/CAN: connect the plug&play power harness (blue + green) between the head-unit and car wiring harness.

Dip settings:

DIP-8 Settings:

DIP Down=ON		DIP UP=OFF	
DIP	**ON**	**OFF**	**Default**
1	V1 (Right) = ON	V1 (Right) = OFF	UP(OFF)
2	V2 (Left) = ON	V2 (Left) = OFF	UP(OFF)
3	Front cam enabled (show front cam 10s after reverse)	Front cam disabled	UP(OFF)
4	**Aftermarket REAR camera**	OEM rear camera	**DOWN (ON)**
5	Not used	Not used	UP(OFF)
6	Not used	Not used	UP(OFF)
7	Dynamic Guidelines ON (depending on CAN protocol)	Guidelines off	UP(OFF)
8	Not used	Not used	UP(OFF)

DIP-4 Settings:

DIP Down= ON		DIP UP= OFF	
DIP	**FUNCTION**		**Default**
Dip1	OFF = Ducato	ON = 500e	UP (off)
Dip3	OFF = 10 inch	ON = 7 inch	UP (off)
Dip 2+4	Must be OFF		UP (off)

Video inputs:

- Reverse (AV4): insert video aftermarket Rear camera

- Front (AV3): insert video Front camera

- Left (AV2): insert video left camera or another video source

- Right (AV1): insert video right camera or another video source

Trigger wires:

- Green Trig-Rear*: insert +12V reverse light signal (must be stable)

- Purple Trig-Front: insert +12V to activate the front camera (optional).
  Front camera also switches in automatically after driving backwards, and also by short-press switch button (included).

- Blue Trig-Left: insert +12V to activate the video image of AV2

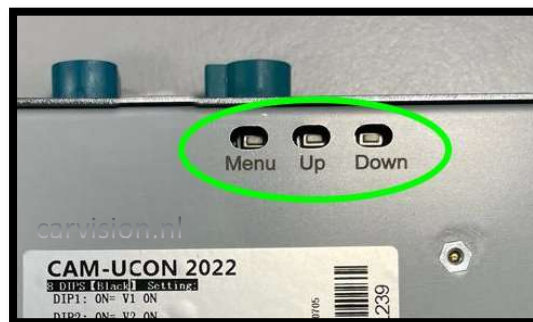- Blue/black Trig-Right: +12V to activate the video image of AV1

*Usually the reverse function is detected by CANbus and it's not needed to connect the green trigger wire to reverse.

Additional power wires:

- Green CAM POWER 12V: provides 12V to power the camera if reverse function works by CANbus.

- Red ACC OUT: provides 12V while ignition is on (when CANbus running)

- White Manual ACC: only use when interface is disconnected from CANbus.

- Grey Touch-in: not used.

MENU settings:

- **Press MENU button to show the settings (in camera picture mode).**
- **Use UP and DOWN buttons to adjust a setting.**
- **Press MENU button repeatedly to go through the menu options.**

OSD settings for each video channel:

- Brightness / Contrast: adjust image performance
- PosH / PosV: move the picture on the display to left, right, up, down
- Trigger: choose between Wire or CAN.
  Wire = use trigger wire to activate a video input
  CAN = detect by CANbus (CANbus functionality cannot always be guaranteed)
- InputSource: choose the right video system depends or your camera model
  (PAL, NTSC, 720P NTSC, 720P PAL, 960P NTSC, 960P PAL,1080P NTSC,1080P PAL)

Front cam additional function:
Select the desired delay-off time under *Trigger*: 5 sec, 10 sec, 15 sec. 20 sec.

InputSource examples:

Right InputSource

change InputSource