c.LOGiC-Interface

C4-UCON-PCF

Compatible with
Citroen, Dodge, Peugeot and Fiat
with 5" Uconnect system and
OEM rear-view camera

Product features

- Plug and play multimedia interface
- 2 AV-inputs
- Front-view camera input
- Optional control over steering wheel buttons of 1 after-market device (e.g. DVB-T tuner)
- 2 trigger outputs (ACC, camera) (+12V max. 1A)
- USB update-port for software-updates by consumer

Contents

Legal Information

By law, watching moving pictures while driving is prohibited, the driver must not be distracted. We do not accept any liability for material damage or personal injury resulting, directly or indirectly, from installation or operation of this product. This product should only be used while standing or to display fixed menus or rear-view-camera video when the vehicle is moving, for example the MP3 menu for DVD upgrades.

Changes/updates of the vehicle's software can cause malfunctions of the interface.   We offer free software-updates for our interfaces for one year after purchase. To receive a free update, the interface must be sent in at own cost. Labor cost for and other expenses involved with the software-updates will not be refunded.

1. Prior to installation

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources.

1.1.   Delivery contents

Take down the SW-version and HW-version of the interface boxes, and store this manual for support purposes.

**Interface-box
C4C-M40-PCF
HW_____   SW_____**

**Video harness
C4C-M40-V**

**Harness
C4C-UCON-FCA**

**Audio harness
C4C-M40-A**

1.2. Check compatibility of vehicle and accessories

Requirements

Vehicle	Citroen Jumper II, Dodge Ram ProMaster Typ 250, Peugeot Boxer II, Fiat Ducato III **Vehicles from year 2014**
Navigation	Uconnect (5")

Limitations

Video-sources	Only compatible to NTSC-sources.
OEM camera	Interface is only compatible with vehicles with factory rear-view camera

1.3. Setting the dip switches of the interface box C4C-M40-PCF

Various settings must be made with the dip-switches of the interface box.

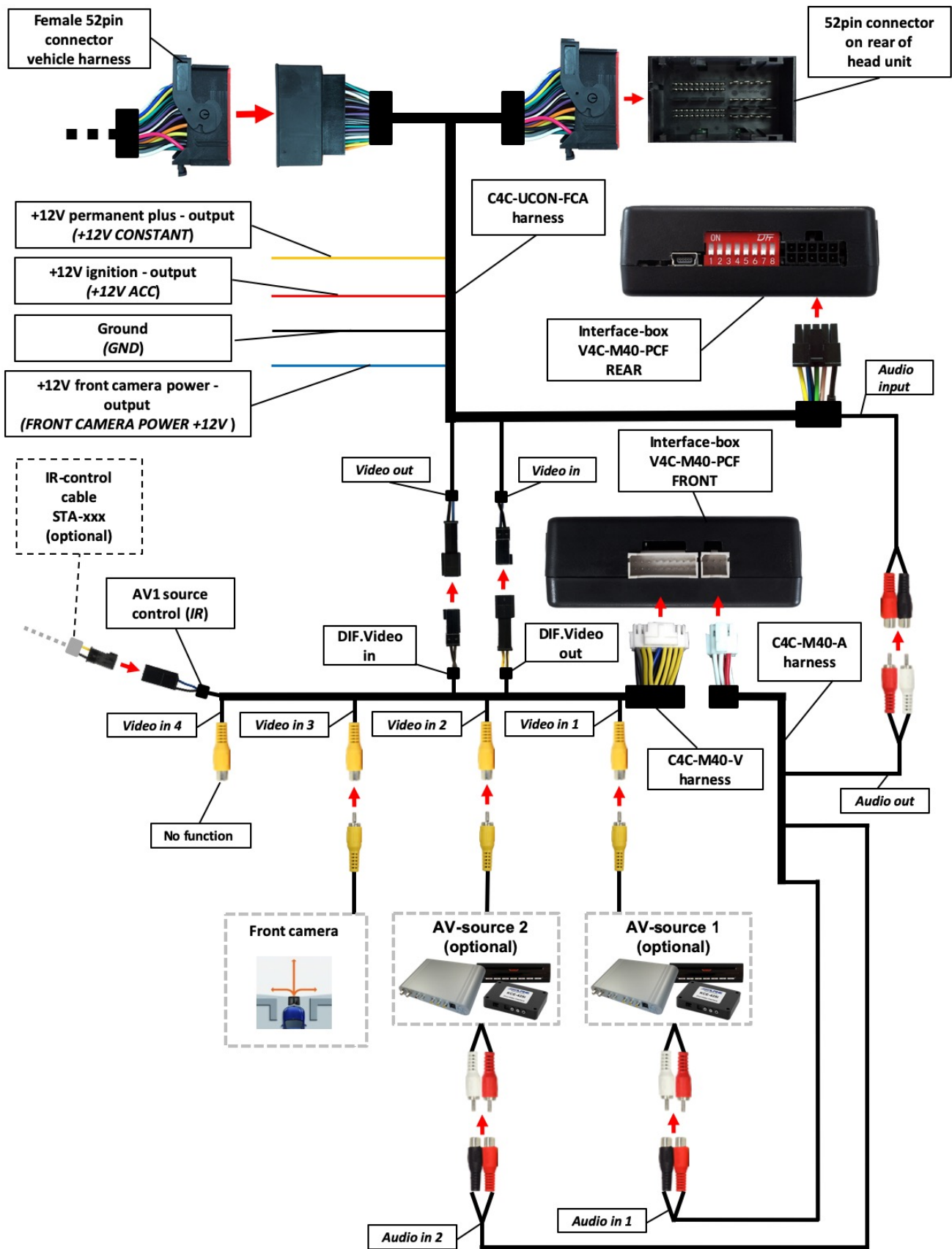Dip position "down" is OFF and position "up" is ON.

Dip-switch	ON	OFF
Dip 1	AV1 - ON	AV1 - OFF
Dip 2	AV2 - ON	AV2 - OFF
Dip 3	Front camera - ON	Front camera - OFF
Dip 4	No function	
Dip 5+6	RC code settings (see page 11, point 3.6)	
Dip 7	No function	
Dip 8	CAN bus termination (set to **ON**)	

After each change of the dip switch settings you have to execute a power reset of the c.LOGiC interface-box!

1.4. LED's of the interface box C4C-M40-PCF

LED	Status	Funktion
● Red	Lights	Ignition is ON
● Blue	Lights	CAN Bus found
● Blue	Flashes	CAN Bus is searched

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2. Connection schema

Female 52pin connector vehicle harness

52pin connector on rear of head unit

+12V permanent plus - output
(+12V CONSTANT)

+12V ignition - output
(+12V ACC)

Ground
(GND)

+12V front camera power - output
(FRONT CAMERA POWER +12V)

C4C-UCON-FCA harness

Interface-box
V4C-M40-PCF
REAR

Audio input

IR-control cable
STA-xxx
(optional)

Video out

Video in

Interface-box
V4C-M40-PCF
FRONT

AV1 source control (IR)

DIF.Video in

DIF.Video out

C4C-M40-A harness

Video in 4

Video in 3

Video in 2

Video in 1

C4C-M40-V harness

Audio out

No function

Front camera

AV-source 2
(optional)

AV-source 1
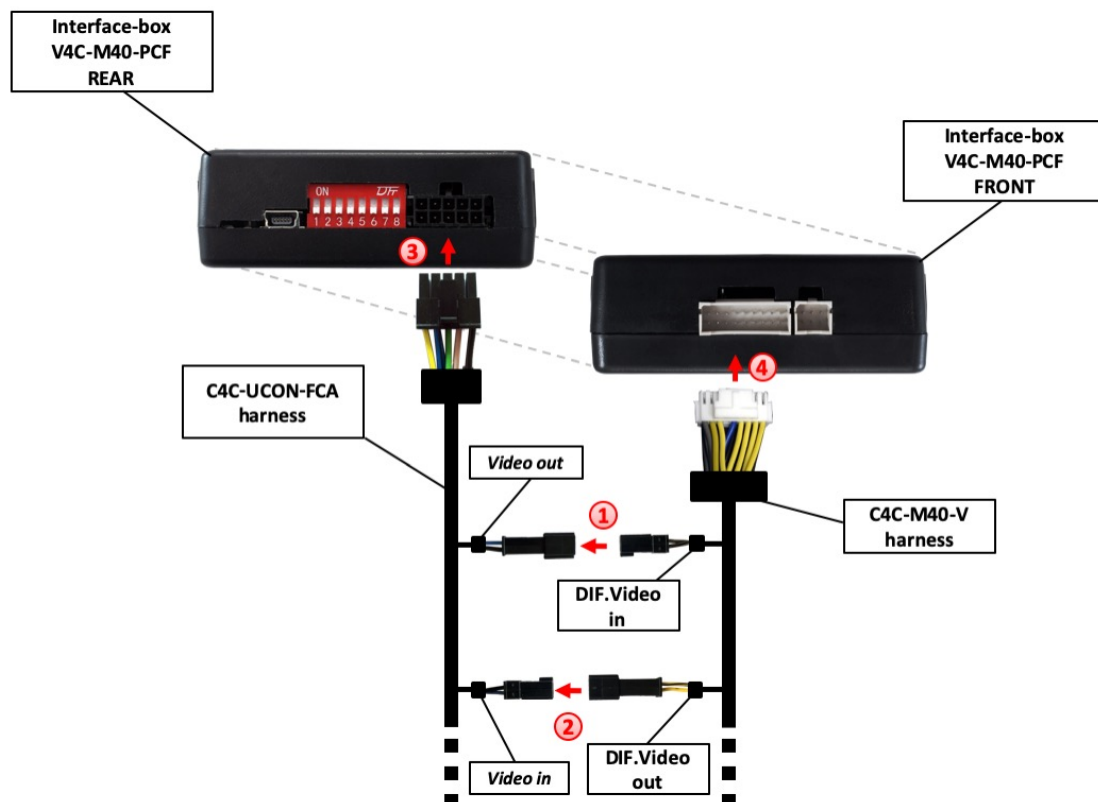(optional)

Audio in 2

Audio in 1

3. Installation

Switch off ignition and disconnect the vehicle's battery! If according to factory rules disconnecting the battery has to be avoided, it is usually sufficient to put the vehicle in sleep-mode. In case the sleep-mode does not show success, disconnect the battery with a resistor lead.
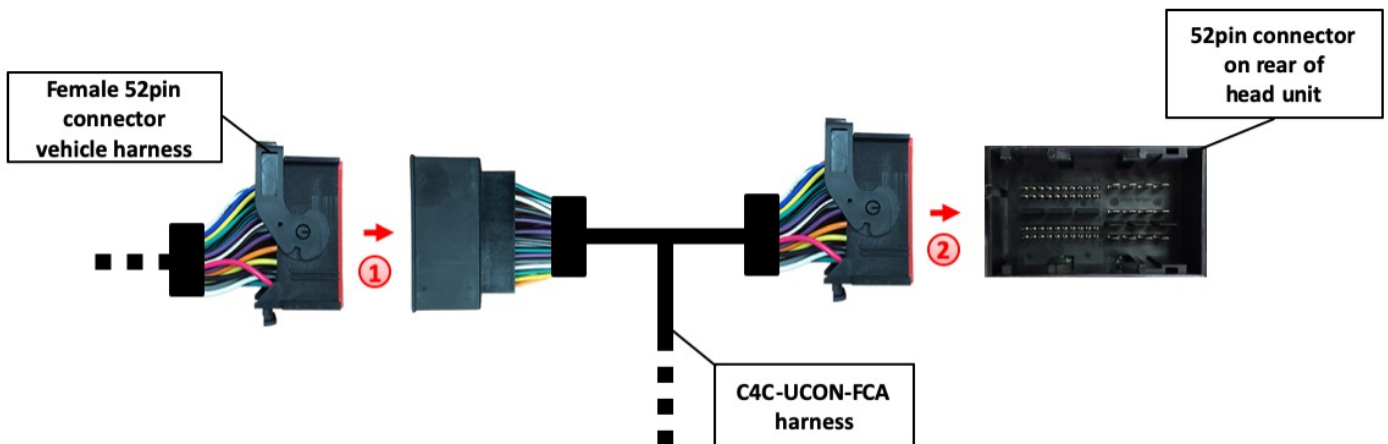
Place of installation is on the rear of the head unit.

3.1. Connecting interface-box and harnesses

① Connect the "DIF.Video in" 2pin socket of the C4C-M40-V harness to the 2pin "Video out" plug of the C4C-UCON-FCA harness.

② Connect the "DIF.Video out" 2pin socket of the C4C-M40-V harness to the 2pin "Video in" plug of the C4C-UCON-FCA harness.

③ Connect female 10pin connector of harness C4C-UCON-FCA to the male 10pin connector on the rear of the interface-box V4C-M40-PCF.

④ Connect female 18pin connector of harness C4C-M40-V to the male 18pin connector on the front of the interface-box V4C-M40-PCF.

3.2. Connection to the head unit

① Transfer the female 52pin connector of vehicle harness from rear of the head unit into the male 52pin connector of harness C4C-UCON-FCA.

② Plug female 52pin connector of harness C4C-UCON-FCA into male 52pin socket on the rear of the head unit.

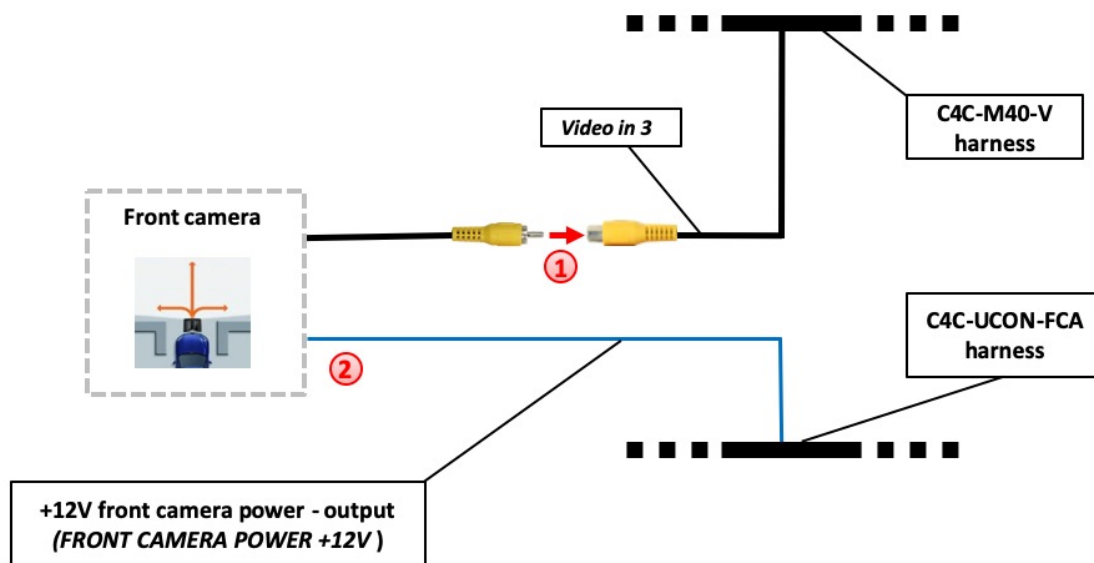
Manual

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3.3. Connecting peripheral devices

It is possible to connect 2 after-market AV-sources and a front camera to the interface.

Before final installation of the peripheral devices, we recommend to test-run the interface functions to detect incompatibility of vehicle, navigation, factory accessories or peripheral devices as soon as possible.

Note: Only compatible to NTSC video-sources.
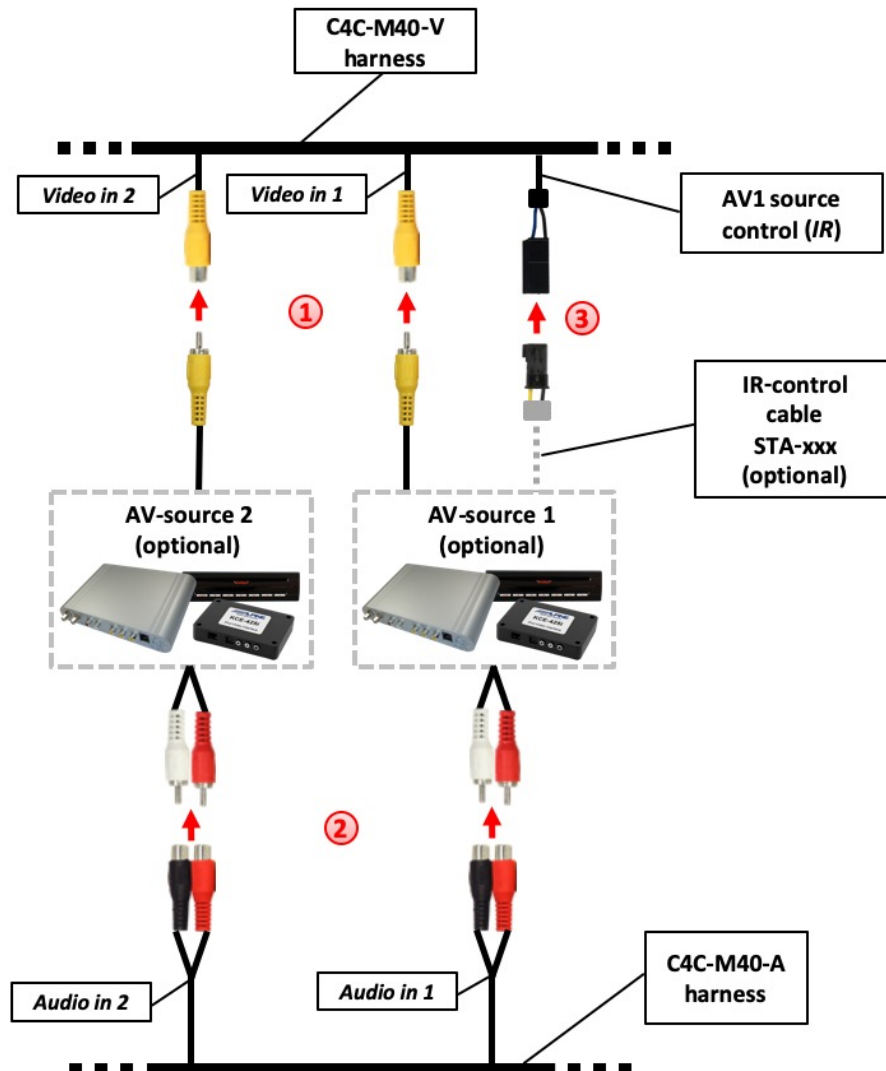
3.3.1. After market front camera

(1) Connect the video RCA of the after market front camera to the female RCA connector "Video in 3" of harness C4C-M40-V.

(2) Connect the green wire of harness C4C-UCON-FCA to the camera power supply (+12V max. 1A). The blue wire is high (+12V) when reverse gear is engaged.

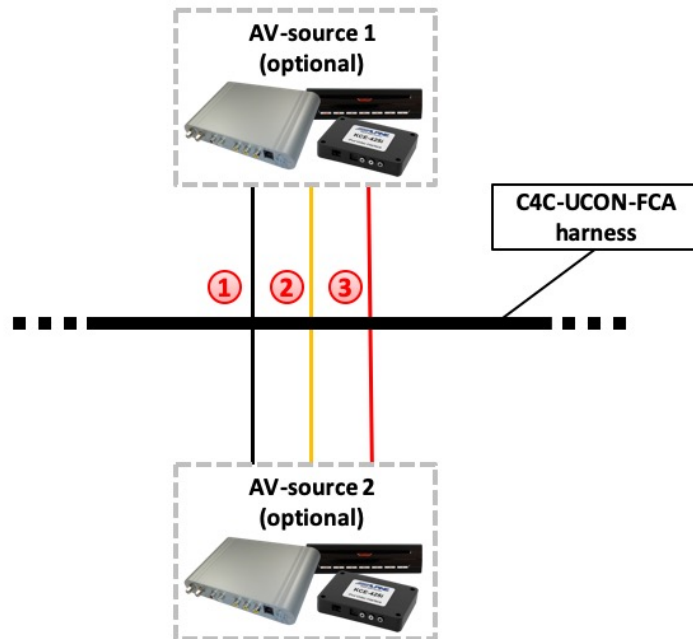**Note:** Only compatible to NTSC-cameras.

3.3.2. AV-source(s) audio/video connection

The interface has the possibility to connect 2 AV-sources. Additionally, the AV1 video source can be controlled via the steering wheel buttons.
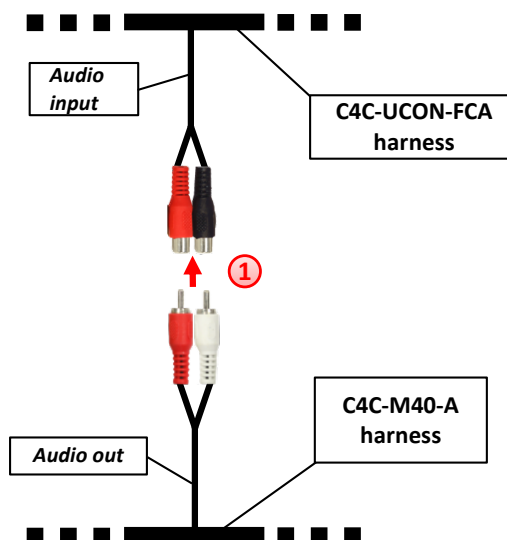

① Connect the video cinch plug of the AV-source 1/2 to the video cinch socket "Video in 1" / "Video in 2" of the C4C-M40-V harness.

② Connect the audio cinch plugs of the AV-source 1/2 to the audio cinch sockets "Video in 1" / "Video in 2" of the C4C-M40-V harness.

③ **Optional**: Using the respective STA-xxx IR-control cable (available separately), interconnect the female 3pin AMP connector "IR" of harness C4C-M40-V and the IR-port of the AV-source 1.
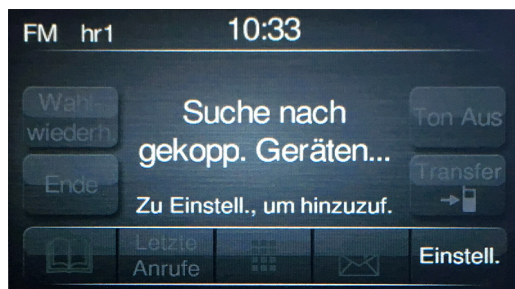
3.4.   AV-source(s) power connection

① Connect the black cable (GND) of the C4C-UCON-FCA harness to ground of the AV-source 1/2.

② Connect the yellow cable (+ 12V CONSTANT) of the C4C-UCON-FCA harness to the + 12V permanent power supply of the AV source 1/2.

③ Connect the red cable (+ 12V ACC) of the C4C-UCON-FCA harness to the +12V ACC power input of the AV source 1/2.

3.5.   Connection to the factory AUX-input

1 Connect the audio cinch sockets „Audio input" of the C4C-UCON-FCA harness to the audio cinch plugs „Audio out" of the C4C-M40-A harness.

Note: **For video sources with Bluetooth audio function, the audio connection can alternatively be made via the audio Bluetooth connectivity of the Uconnect head unit.**

3.6. Settings for video device control

The interface has the function to control the following video sources on the AV-1 input via the steering wheel buttons. To do this, the video source to be controlled must be set via DIP switches 6 and 7.

ON · · · · · [6] [7] · WE 1 2 3 4 5 6 7 8	Ampire DVBT-50 / DVBT-51 / DVBT-52
ON · · · · · [6] [7] · WE 1 2 3 4 5 6 7 8	SMART-LINK
ON · · · · · [6] [7] · WE 1 2 3 4 5 6 7 8	dvbLink51, DVB-T80, Ampire DVB-T400, DVB-200, DVBT450, usbLiNK2, usbLiNK3
ON · · · · · [6] [7] · WE 1 2 3 4 5 6 7 8	DVD USB, MP410, AD212U, DVP-1000M, DVP-900HD, Ampire DVX100/101/102/103/200i, Ampire DVX50, MP23, BRX100

4. Operation

4.1.   Selecting the interface as current AV-source

In the Uconnect **Media** menu, activate **AUX** level (AUX IN or Bluetooth) (for front camera view, this step is not necessary).

After activating the AUX level, press the **"Voice control" button** for **3 seconds** to select the interface as the current video source.

Pressing the **"Voice control" button** again for **3 seconds** is used for switching the video inputs (camera/AV sources) and for deactivation of the interface video level. Each long press will switch to the next enabled input. If all inputs are enabled the order is:

AV1 → AV2 → Front CAM → OFF → AV1 → …
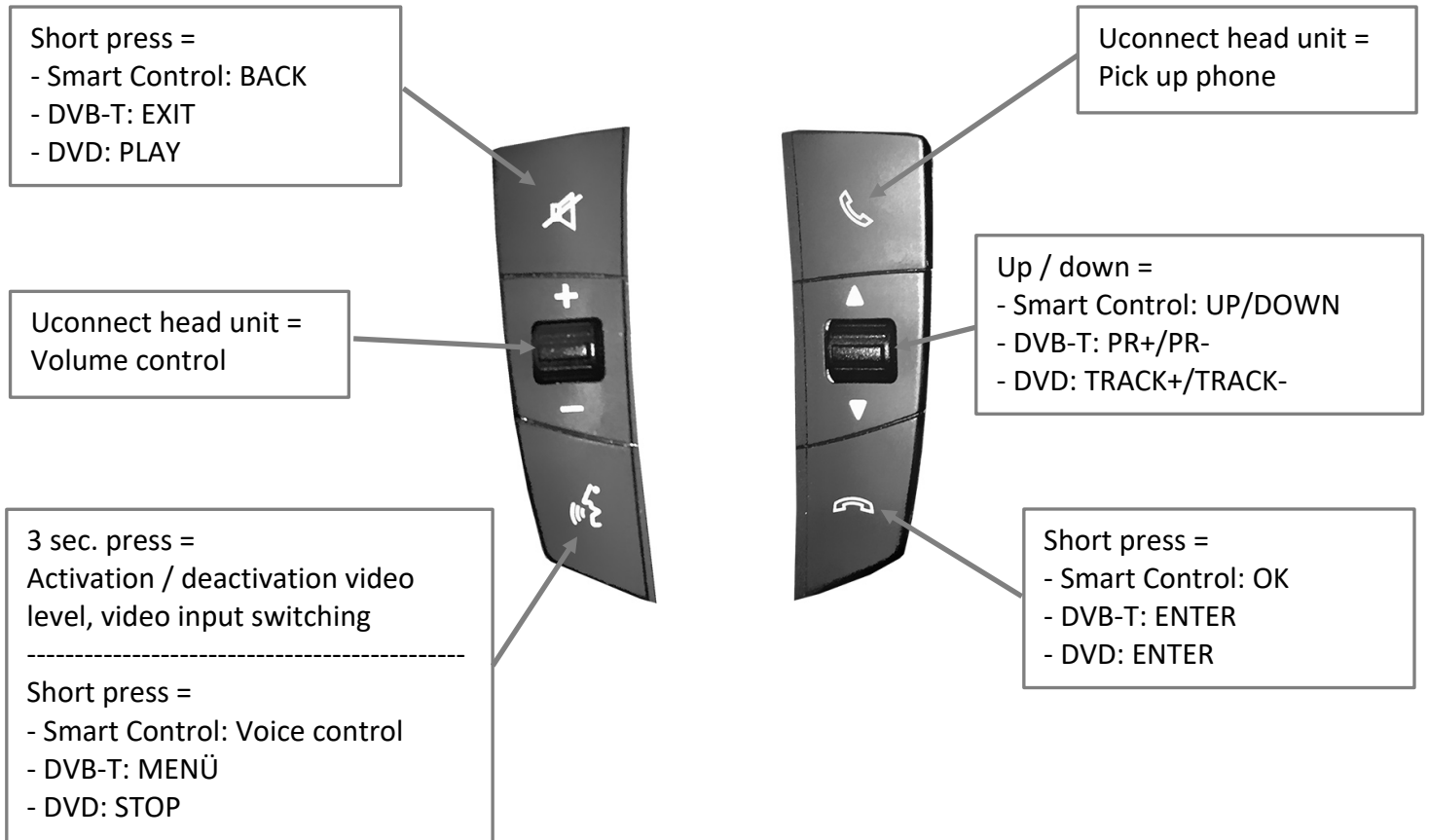
Inputs which are not enabled are skipped.

Note: Manual activation of the original rear view camera image is not possible.

4.2. Control of the AV-sources (SMART CONTROL / DVB-T / DVD)

The AV source connected to the AV-1 input can be controlled via various steering wheel buttons. The graphic shows which functions of the AV source can be executed via short and long key press (about 3 seconds) on the corresponding steering wheel button.

Short press =
- Smart Control: BACK
- DVB-T: EXIT
- DVD: PLAY

Uconnect head unit =
Volume control

3 sec. press =
Activation / deactivation video level, video input switching

Short press =
- Smart Control: Voice control
- DVB-T: MENÜ
- DVD: STOP

Uconnect head unit =
Pick up phone

Up / down =
- Smart Control: UP/DOWN
- DVB-T: PR+/PR-
- DVD: TRACK+/TRACK-

Short press =
- Smart Control: OK
- DVB-T: ENTER
- DVD: ENTER

5. Specifications

Operation voltage	10.5 – 14.8V DC
Stand-by power drain	<2mA
Operation power drain	~60mA
Power consumption	~0.08W
Temperature range	-30°C to +80°C
Weight	44g
Measurements (box only) B x H x T	76 x 27 x 54 mm

CE ---12V DC

6. Technical Support

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