

c.LOGiC lite-Interface

CI-C1-MFD2-R1

Compatible with navigation systems
Volkswagen MFD2/RNS2
Skoda Nexus

Only for vehicles WITH factory rear-view camera

Product features

- full plug and play multimedia interface
- 1 AV-input with separate IR-control channel
- control of after-market devices, e.g. DVB-T tuner, DVD-player, DVD-changer, ...
- automatic switching to rear-view camera input
- power on remote out trigger signal (+12V max. 1A) to switch on connected devices

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Appendix A – Device control table

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.

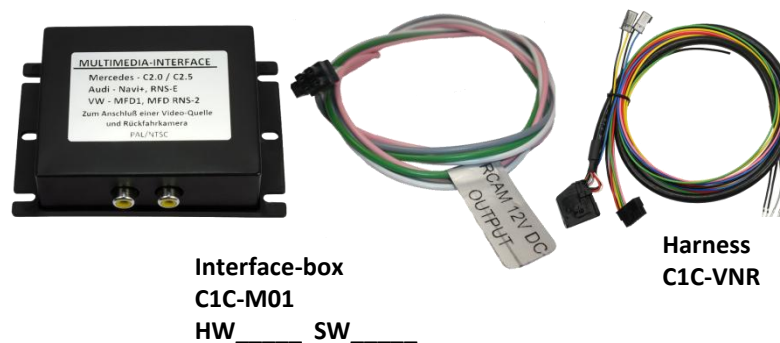
Changes/updates of the vehicle's software can cause malfunctions of the interface. We offer free software-updates for our interfaces for one year after purchase. To receive a free update, the interface must be sent in at own cost. Labor cost for and other expenses involved with the software-updates will 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.



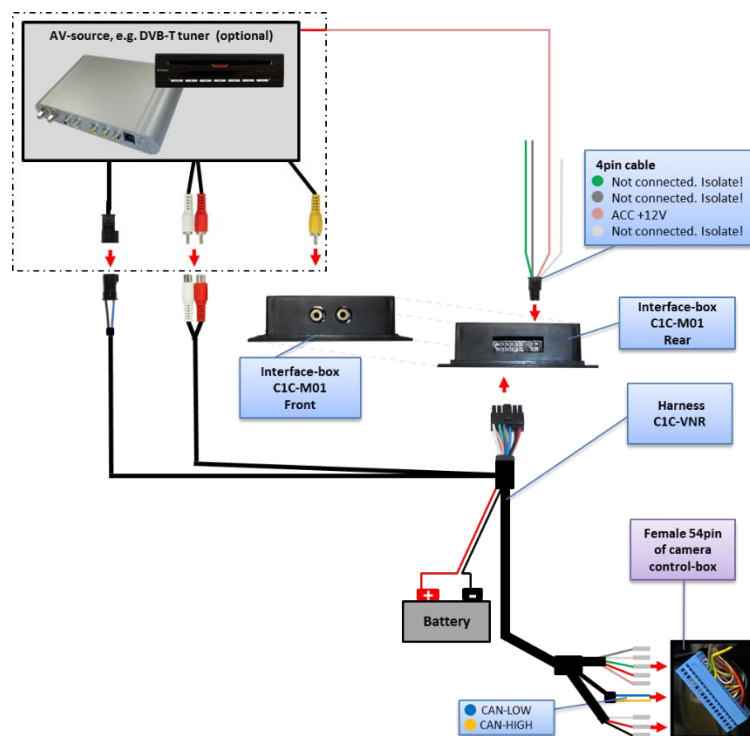
If remote function for the connected devices shall be used, additional an IR-remote cable and Y-adpater are needed, see chapter [AV-source](#) .

1.2. Check compatibility of vehicle and accessories

Requirements

<i>Vehicle</i>	Volkswagen and Skoda With factory rear-view camera
<i>Navigation</i>	MFD2/RNS2 or Nexus navigation
Limitations	
<i>Factory-TV-tuner</i>	Must NOT be installed.

2. Connection schema

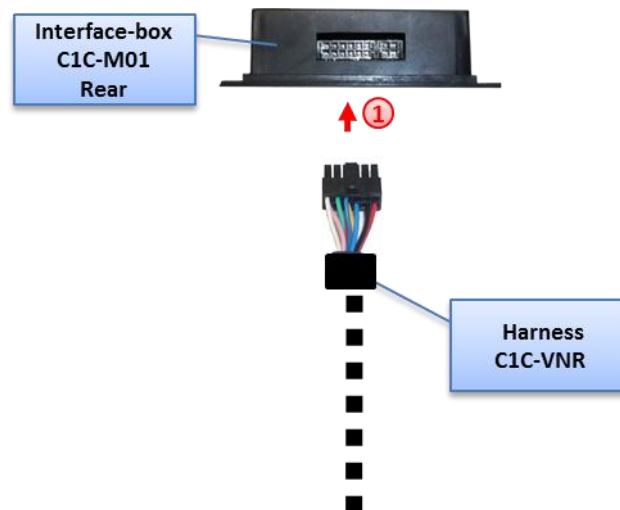


3. Installation

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 at the camera control-box which is depending on the vehicle located either underneath the passenger seat, underneath the center console or above the wheel case of the rear right or left tire (e.g. T5 underneath the passenger seat, Tiguan rear right, Alhambra rear left). The camera control box has a blue 54pin connector.

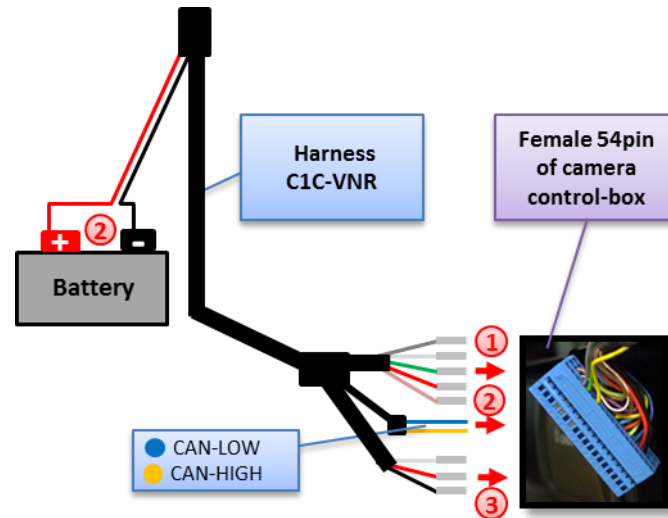
3.1. Interconnecting Interface-box and harness



- 1 Plug harness C1C-VNR into 12pin Molex of Interface-Box C1C-M01.

3.2. Connections to camera control-box

Locate the camera control-box which is depending on the vehicle located either underneath the passenger seat, underneath the center console or above the wheel case of the rear right or left tire (e.g. T5 underneath the passenger seat, Tiguan rear right, Alhambra rear left).



Signal	Colour	54pin
RGB signal - red	• red	Pin 17
RGB signal - green	• green	Pin 15
RGB Signal - blue	• pink or • purple	Pin 13
RGB-Signal - sync	• white or • orange	Pin 11
RGB-Signal - shield	• grey or • black	Pin 9
CAN-High	• gelb (w/o contact)	Pin 40
CAN-Low	• blau (w/o contact)	Pin 39
Audio-signal - right	• red	Pin 5
Audio-signal - left	• white	Pin 7
Audio-signal - Ground	• black	Pin 4

- ① Plug the 5 MQS contacts of harness C1C-VNR into the female 54pin connector of the vehicle harness which is located at the camera control-box. Obey the upper blue part of the above pin-configuration table.
- ② Connect the loose yellow and the loose blue wire of C2C-VWR **additionally** to the corresponding wires of the female 54pin connector of the vehicle harness. Obey the grey part of the above pin-configuration table.
Connect the loose red and the loose black cable **not** to the corresponding wires of the female 54pin connector but to a separately power supply.
- ③ Plug the 3 MQS contacts of harness C1C-VNR into the female 54pin connector of the vehicle harness which is located at the camera control-box. Obey the lower blue part of the above pin-configuration table.

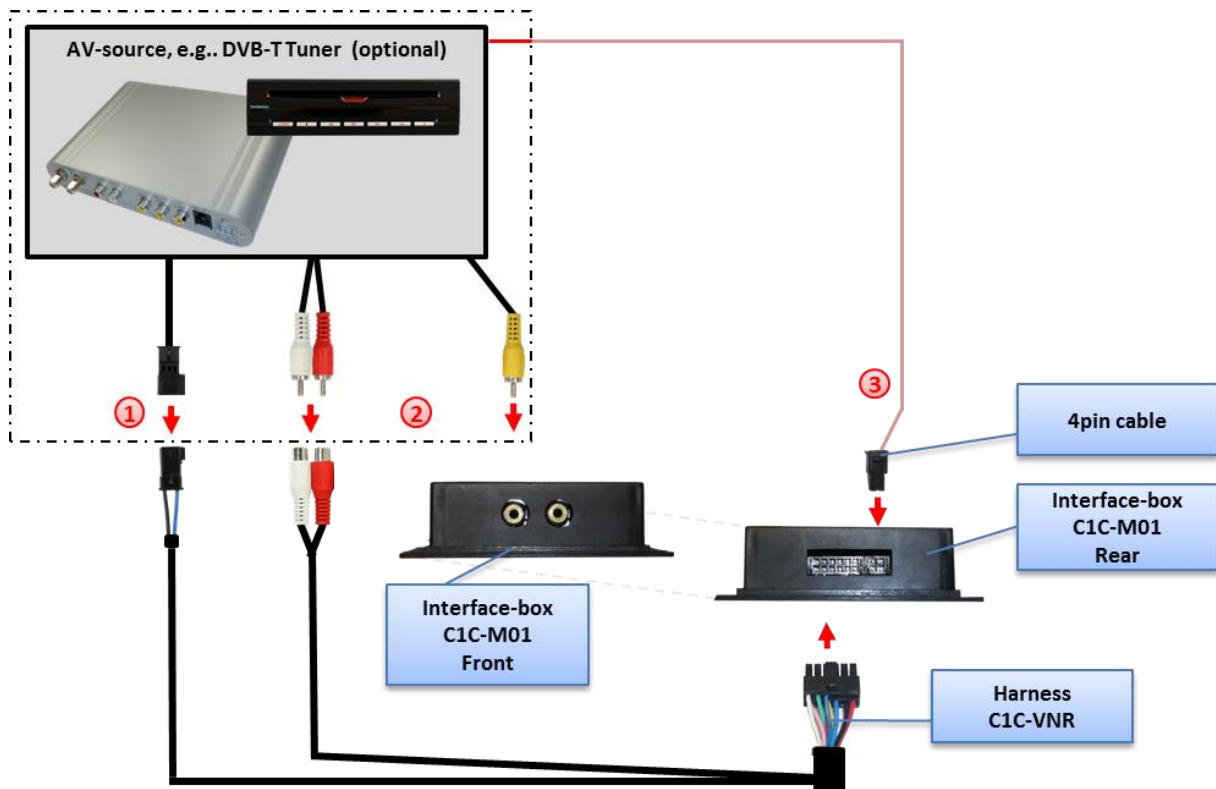
3.3. Connecting peripheral devices

It is possible to connect one after-market AV-source to the c.LOGiC Interface.

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

3.3.1. AV-source

The c.LOGiC interface has the possibility to connect and remotely control by navigation buttons one pre-programmed device. The device list in the device control table (Appendix A) shows the pre-programmed remote channels and the related IR-remote cables STA-xxx which must be ordered separately for the control of the device.



- ① Using the respective STA-xxx IR-control cable, interconnect the blue female 3pin AMP connector of harness C1C-VNR and the IR-port of the AV-source.
- ② Using an RCA-cable, interconnect the female RCA-port Video In of the Interface-box C1C-M01 with the AV-output of the AV-source.
- ③ The pink ACC-output wire (+12V max. 1A) of the 4pin cable can be connected to the ACC-input wires of the connected device to switch it on. It carries +12V when the head-unit is running.

3.3.2. Installing AV-source's IR-sensor additionally

Additionally to the control via OEM navigation, it is possible to install the original IR-sensor of a connected device. By using the respective Y-adapter (e.g. STA-Y35MM or STA-RJ12) for the IR-Port of the connected device, the controls of navigation AND device's IR-sensor can be connected and used simultaneously. Installation of the IR-sensor is recommended as the controls via navigation are limited, and not all functions may be covered.

4. Operation

4.1. Selecting the c.LOGiC as current AV-source

CD-Version - Push **AUX** button of head-unit , then select **TV** to choose the c.LOGiC as current AV-source.

DVD-Version - Push **CD** button of head-unit, then select **AUX** to choose the c.LOGiC as current AV-source.



4.2. Assigning device controls

After selecting the c.LOGiC as current AV source, longpress number "1" key. The MFD will display "TV 1" and "RC01". Turn right knob until the device-related IR-code for the AV-source as described in device control table (appendix A) is reached. Push right knob to confirm the assignment.

If the vehicle has no MFD display in the instrument panel (for example in case of retrofitted navigation systems), you must count the notches when turning the knob (to the right +1, to the left -1). At the same time, remember that the starting point is channel RC01 (the first notch to the right is then already RC02).



Note: The IR-control channel is preset to RC-Code 41 compatible DVB-T tuners.

4.3. Button assignment table

The button assignment table shows which functions of the connected device can be executed by head-unit buttons. Once the AV-input is activated, the head-unit button in the left column will execute the function described in the corresponding device column. The function description equals the remote control buttons of the optional c.LOGiC remote control or the additional device. On the additional device the writing may vary (e.g. AV instead of Source).



Button assignment table c.LOGiC MFD2/RNS2/Nexus						
Head-unit button	DVB-T	USB-LINK	DVD-player	DVD-changer	iPod®-control	Analog-tuner
1	OK	POWER	PLAY	PLAY	PLAY/PAUSE	SCAN
2	AV	MEDIA	AV	AV	EJECT	MODE
3	EPG	VOL+	PBC	PBC	SHUFFLE	FM
4	INFO	VOL-	TITLE	TITLE	REPEAT	DISPLAY
5	SCAN	ZOOM	ZOOM	DISC		SCAN
6	MENU	SETUP	SETUP	SETUP	LIGHT	ADJUST
6 long	POWER	POWER	POWER	POWER	POWER	POWER
7	DISPLAY	MEDIA	DISPLAY	DISPLAY		DISPLAY
8	AUDIO	AUDIO	AUDIO	AUDIO		AUDIO
9	→	→	→	→	→	CH +
10	←	←	←	←	←	CH -
12	↓	↓	↓	↓	↓	VOL -
13	↑	↑	↑	↑	↑	VOL +
14	OK	OK / PLAY	OK	OK	ENTER	MODE
11	EXIT	EXIT	STOP	STOP	PLAY	MUTE
15	CH -	TRACK -	TRACK -	TRACK -	TRACK -	CH -
16	CH +	TRACK +	TRACK +	TRACK +	TRACK +	CH +

Additionally to the head-unit buttons, the steering-wheel buttons UP and DOWN can be used for remote functions. DOWN-button has the same function as **15** on the head-unit and UP-button has the same function as **16** on the head-unit.

4.4. Picture settings

By pressing the button **17**, it is possible to switch between 4:3 and 16:9 picture format.
To enter the picture settings menu longpress button **11**.

The picture settings menu always starts with the brightness settings.
The respective current picture value is displayed on the instrument panel.

Press the right knob to change from brightness to colour and contrast (after contrast, the interface starts again with brightness).

Turn the right knob to change the current picture value. To quit the settings menu press "**ESC**"-button.

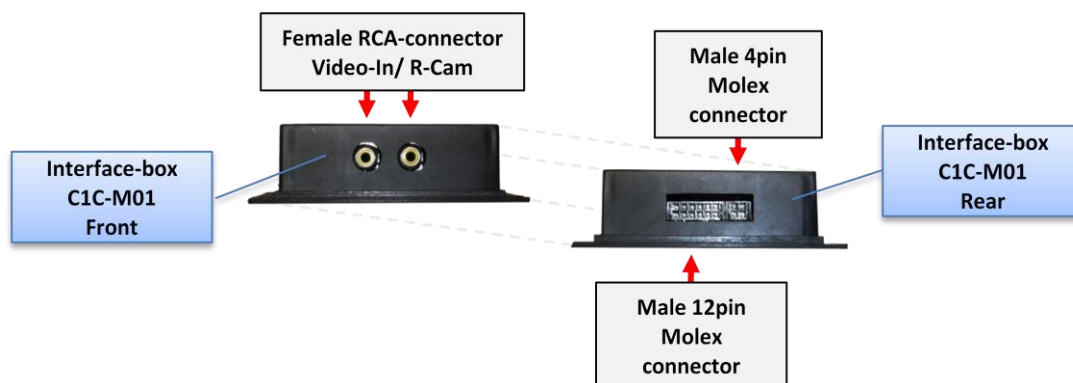


5. Specifications

Operation voltage	10.5 – 14.8V DC
Stand-by power drain	<1mA
Operation power drain	240mA
Power consumption	3W
Temperature range	-30°C to +80°C
Weight	95g
Measurements (box only) B x H x T	106 x 30 x 71 mm

CE \equiv 12V DC

6. Connections (Interface-box)



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