

CARAUDIO SYSTEMS RL-UCON22-TF Camera Interface



CARAUDIO SYSTEMS RL-UCON22-TF Camera Interface Instruction Manual

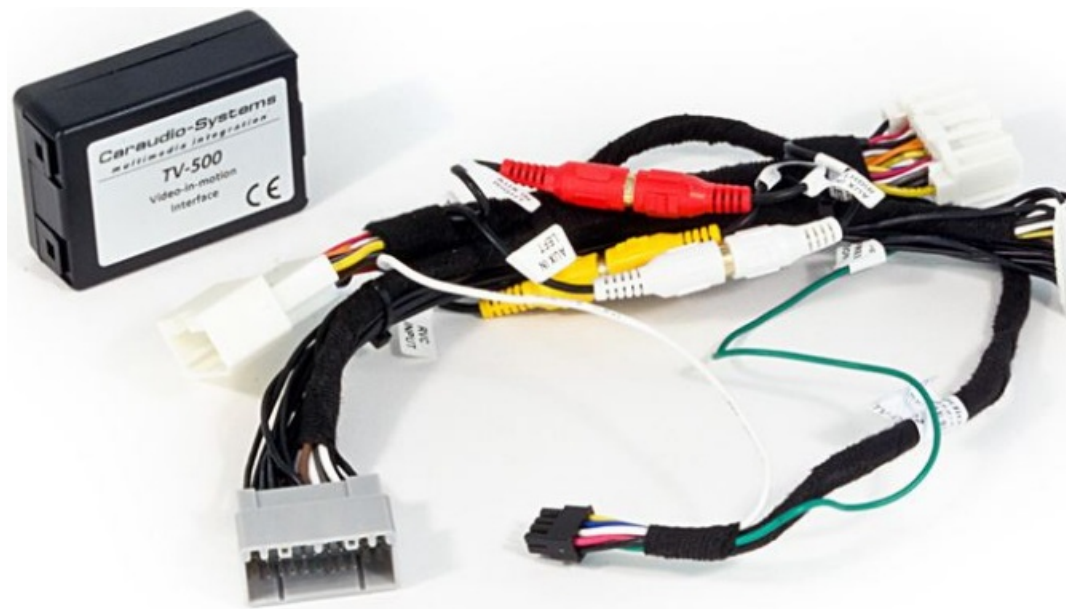
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CARAUDIO SYSTEMS RL-UCON22-TF Camera Interface



FAQ

- **Q:** Can this camera interface be used with all vehicle models?
- **A:** No, this camera interface is compatible with Chrysler, Dodge, Fiat, Jeep, and Lancia vehicles equipped with Uconnect 5 or 8.4 display with a 22-pin connector.
- **Q:** Is technical knowledge required for installation?
- **A:** Yes, technical knowledge is necessary for the installation of this camera interface.

Interface for activation of factory rear-view camera input for Uconnect 5" or 8,4" system with 22 22-pin connector
Video input to connect a rear-view camera incl. video-in-motion

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 the 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 in 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 its own cost. Labor costs for and other expenses involved with the software updates will not be refunded.

Prior to installation

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

Delivery contents

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

CAN-box ZLC-TV506
HW_____ SW_____



Harness
TV-DG22

Check the compatibility of the vehicle and accessories

Requirements

- Vehicles Chrysler, Dodge, Fiat, Jeep, Lancia
- Navigation Uconnect 5" / 8,4" display with 22-pin connector

Connection schema

Pin-assignment of the CAN-Box CAN-box (Molex 8pin)

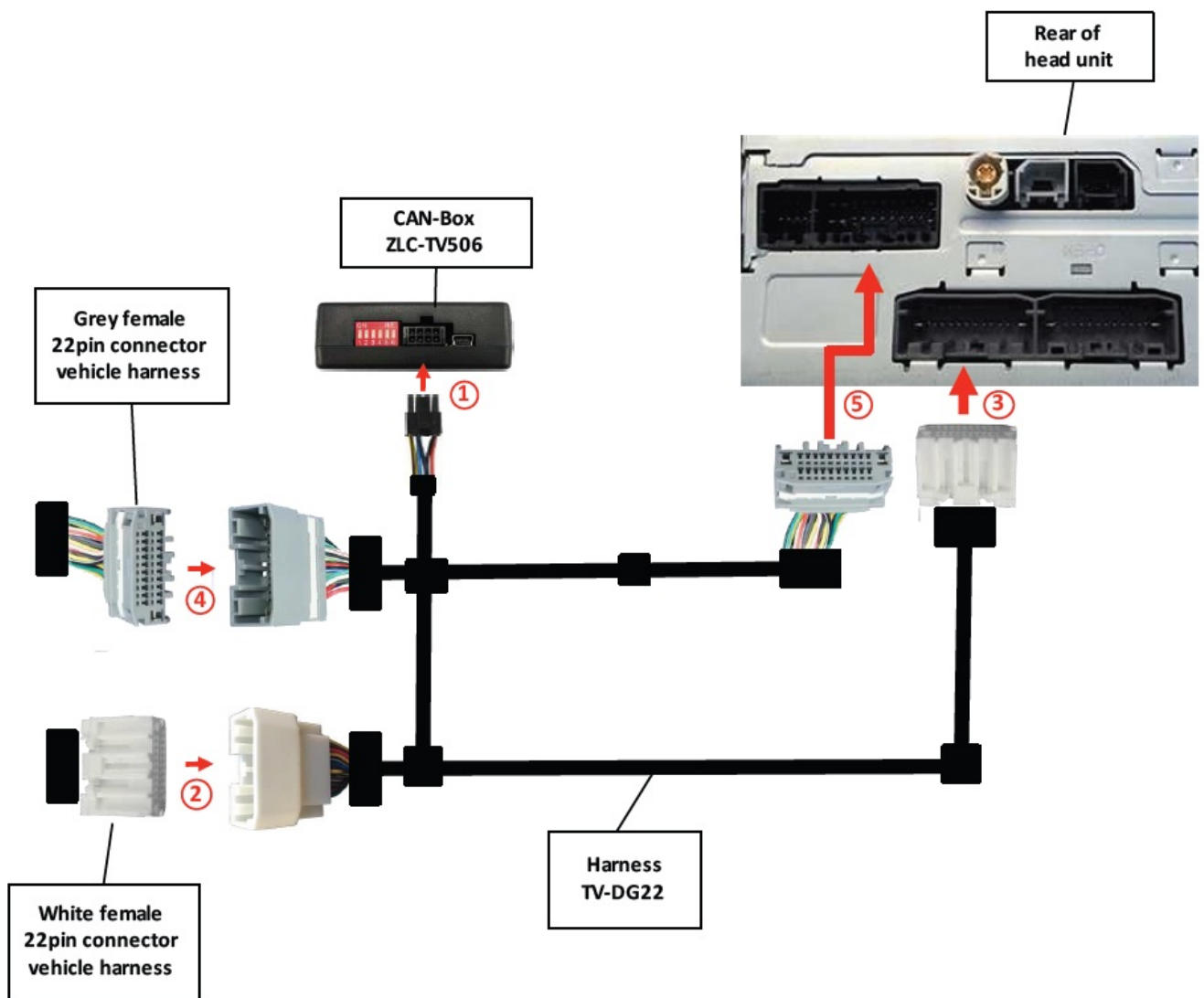
Cable colour	Pin-No.	Assignment
● Yellow	Pin 4	CAN-HIGH – connection to the head-unit
● Blue	Pin 3	CAN-LOW – connection to the head-unit
●● Yellow/Black	Pin 8	CAN-HIGH – connection to the vehicle
●● Blue/Black	Pin 7	CAN-LOW – connection to the vehicle
● Red	Pin 1	+12V permanent
● Black	Pin 5	Ground
● Green	Pin 6	Activation of the video-in-motion function (+12V = TV-free activated, only if DIP1=OFF)
● White	Pin 2	Trigger output (+12V DC 500mA) (only if DIP2=ON and reverse gear engaged!)

Installation

Switch off the 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.

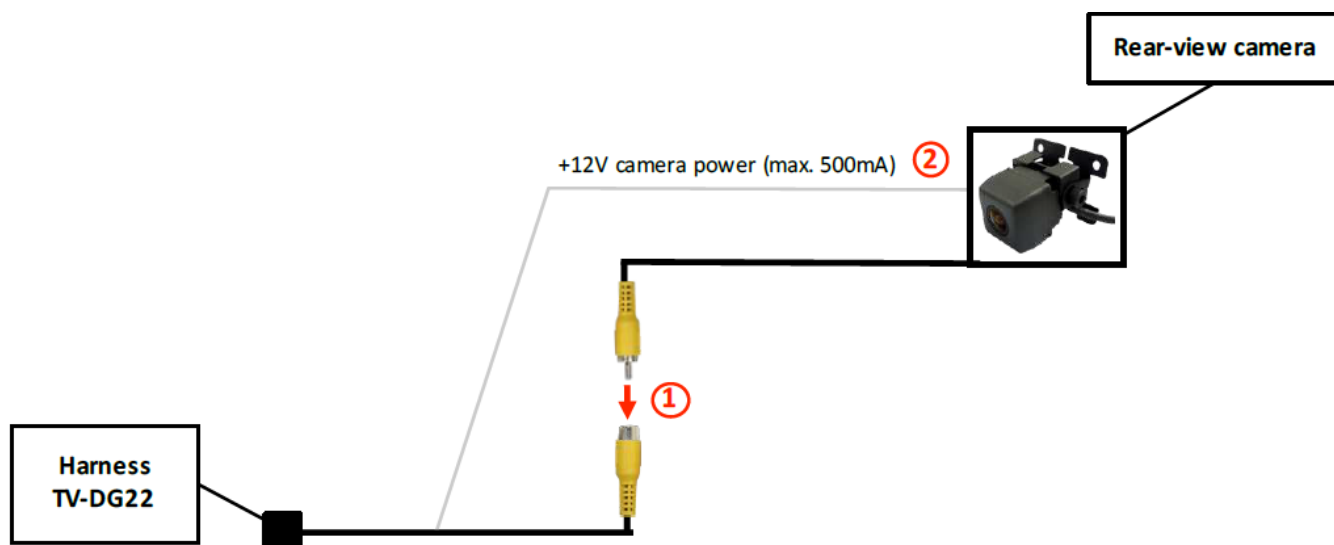
Notes: The interface is installed on the backside of the monitor unit Cinch plugs on the harness (red/white) forward the factory AUX signal and must therefore remain connected. Yellow cinch connector (male) has no function.

Connecting CAN-Box, harness and factory navigation unit



1. Connect the female 8-pin Molex connector of harness TV-DG22 to the male 8-pin Molex connector of CAN-box ZLC-TV506.
2. Transfer the white female 22-pin connector of the vehicle harness from the rear of the head unit into the male white female 22-pin connector of harness TV-DG22.
3. Plug the white female 22-pin connector of harness TV-DG22 into the male 22-pin connector on the rear of the head unit.
4. Transfer the grey female 22-pin connector of the vehicle harness from the rear of the head unit into the male grey female 22-pin connector of harness TV-DG22.
5. Plug the grey female 22-pin connector of harness TV-DG22 into the male 22-pin connector on the rear of the head unit.

Connections to rear-view camera



1. Connect the video RCA of the rear-view camera to the female RCA connector of the harness TV-DG22.
2. Connect the white cable of harness TV-DG22 to the camera power supply (+12V max 500mA). The white cable gets power when the reverse gear is engaged. By leaving the rear camera level the power is switched off again.

Coding of the rear-view camera

1. Set DIP switch "2" to "OFF" position
2. Turn on ignition
3. Wait until the head unit has booted
4. Set the DIP switch "2" to the "ON" position
5. After a short time, the system a reset and the coding operation is complete

Activation of rear-view camera

The rear-view camera activates automatically whenever the reverse gear is engaging.

Activation of the video-in-motion function

The video-in-motion can be activated and deactivated by DIP 1 or by the included loose green cable in connection with a switch (not included in delivery).

Video-in-motion permanent

With DIP1 to ON the video-in-motion function is activated permanently without disturbing the navigation performance.

Video-in-motion selective

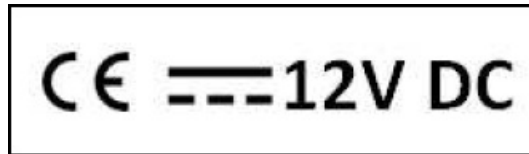
With DIP1 to OFF the included green cable is used to activate the video-in-motion function. Connect a switch to the green cable and connect the green cable to +12V ACC.

- +12V = TV-Free is activated
- 0V = TV-Free is not activated

Specifications

- Operation voltage: 10.5 – 14.8V

- **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):** W x H x D 76 x 27 x 54 mm



Technical support

Car audio-Systems Vertriebs GmbH manufacturer/distribution

- Rheinhorststr. 22
- D-67071 Ludwigshafen am Rhein

NavLinkz GmbH corporate sales/tech dealer support

- Eurotech-Ring 45
- D-47445 Moers

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CONTACT

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Documents / Resources

	<p>CARAUDIO SYSTEMS RL-UCON22-TF Camera Interface [pdf] Instruction Manual RL-UCON22-TF, RL-UCON22-TF Camera Interface, Camera Interface, Interface</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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