

Onboard Entertainment System (OES)

1. short description CID-Interface V3.1:

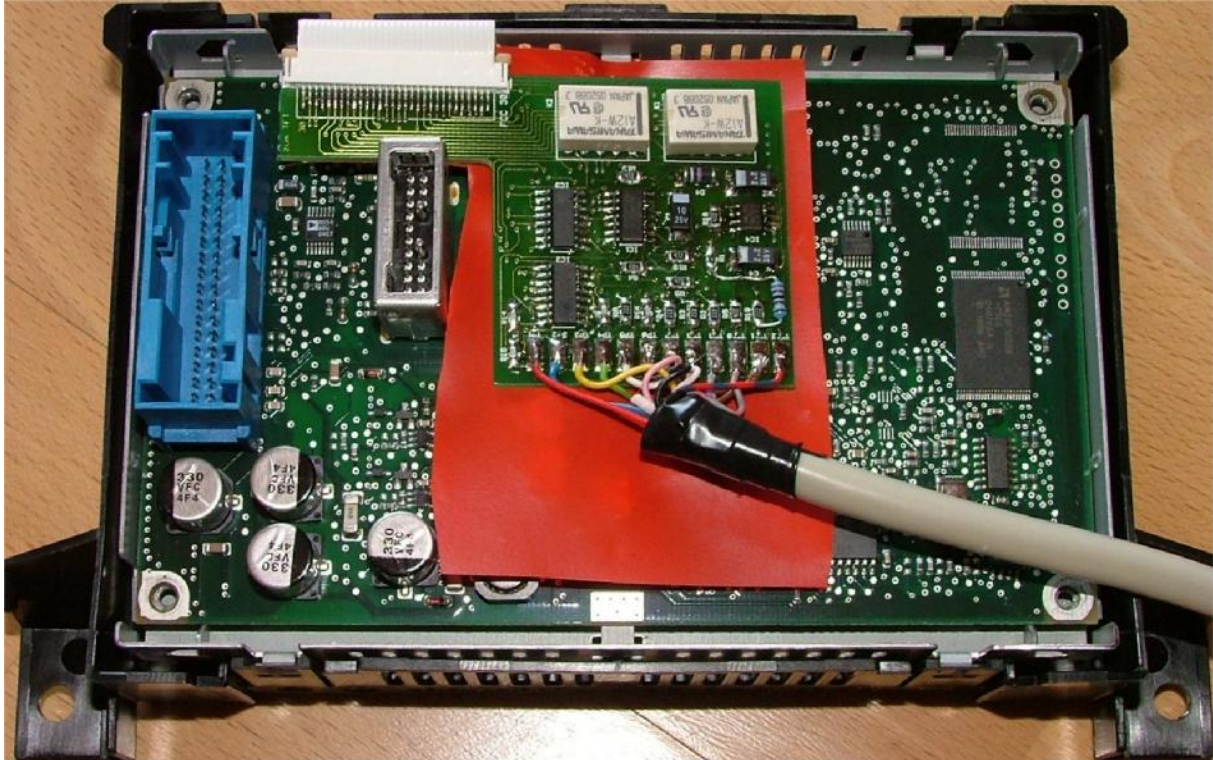


fig 1: installed CID-Interface V3.1 with shielded video cable

The CID-Interface has to be installed into the Color Info Display (CID) of an e.g. Opel Astra-H and allows video playback of an external RGB-video source.

The CID has to be taken out of the car and disassembled. The connection with the white 30-pole flat ribbon jumper wire inside the CID which connects the controller board with the TFT-board must be interrupted to merge the CID-Interface between the TFT-board and the controller board of the CID. That allows the CID-Interface to switch between the internal (EHU) and external video source.

The connection of the CID-Interface is done with a shielded multipole round cable ending into a 15-pole SubD male connector.

Via this cable the RGB-video signals as well as some control signals from the OES-Controller are transported.

The CID can generally display RGB-signals only!

Customised adapter cables that connect a video source (e.g. via SCART-connector) directly to the SubD-male connector of the CID-Interface are available (see figure 2). They do include also the power supply and audio connections for all devices.



Fig. 2: adapter cable to connect a video source with SCART-connector to the CID-Interface



Fig. 3: adapter cable to connect a DVB-T-receiver to the vehicle's roof antenna (cellphone preparation or DAB)

2. price list OES-Base kit:

Ø **CID-Interface:** fully assembled and soldered (as shown in fig.1), with approx. 1 m wire length and 15-pole SubD male connector **70,-€**

Ø **Specific adapter wire:** 15-pole SubD female connector to RGB-video source, 12V-power socket connector for supplying all used devices **25,-€**

Ø **FM-modulator:** for feeding the video source's audio signals (stereo) into the car radio (frequency e.g. 88.5 MHz). The audio feeding is done via radio frequency, there is no need to cut the radio antenna cable! **30,-€**

total OES-Base kit: 125,-€

further options:

Ø **FBAS to RGB-converter:** to connect a video source with a standard video output (FBAS or composite out, yellow chinch connector), including a specific cable set with 12V-power supply. Many car-DVD-players are only equipped with this standard video output. **130,-€**

Ø **VGA to RGB-converter:** to connect a video source with VGA-output (PC-Monitor connector), e.g. better car-DVD-players or a laptop computers (max. supported resolution: 1280x1024). Including a cable set with 5V-power supply. **75,-€**

Ø **DVB-T antenna adapter cable:** to connect the vehicle's roof antenna (DAB or cellphone preparation) to a DVB-T-receiver (see figure 3) **25,-€**

Ø **DVB-T antenna amplifier 30dB:** to improve the DVB-T-reception using the vehicle's roof antenna, cable set with 12V-power supply **45,-€**

If connecting a video device with a SCART-connector (RGB), no converter is necessary (e.g. Technisat Digipal 1 or Technotrend DVB-T receiver)!

The components of the OES-Base kit can be ordered also separately. The delivery costs depend on the configuration and will be charged separately.

The OES-Base kit comes with an installation manual. The manual can also be emailed prior to the installation if requested.

If somebody does not dare the installation of the OES-base kit by himself, I can do the installation into the car at your own risk for 10,-€ per hour (approx. 3 hours needed for the base kit).

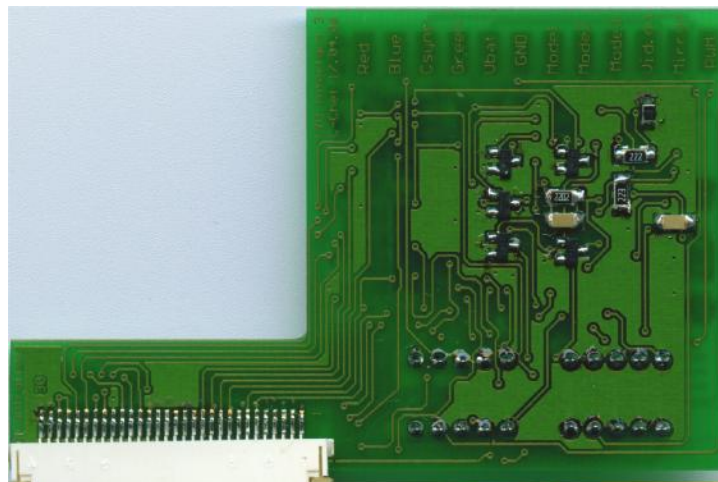


Fig. 4: CID-Interface V3.1 bottom view

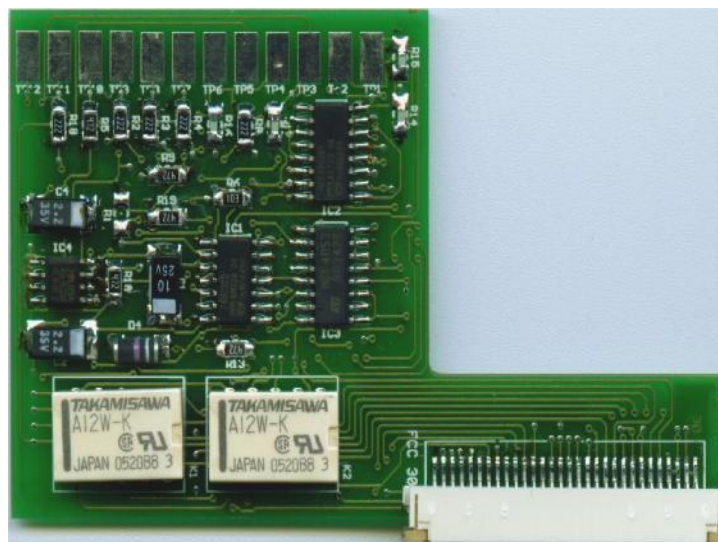


Fig. 5: CID-Interface V3.1 top view