

Onboard Entertainment System (OES)

1. short description OES-Switch V1.2:

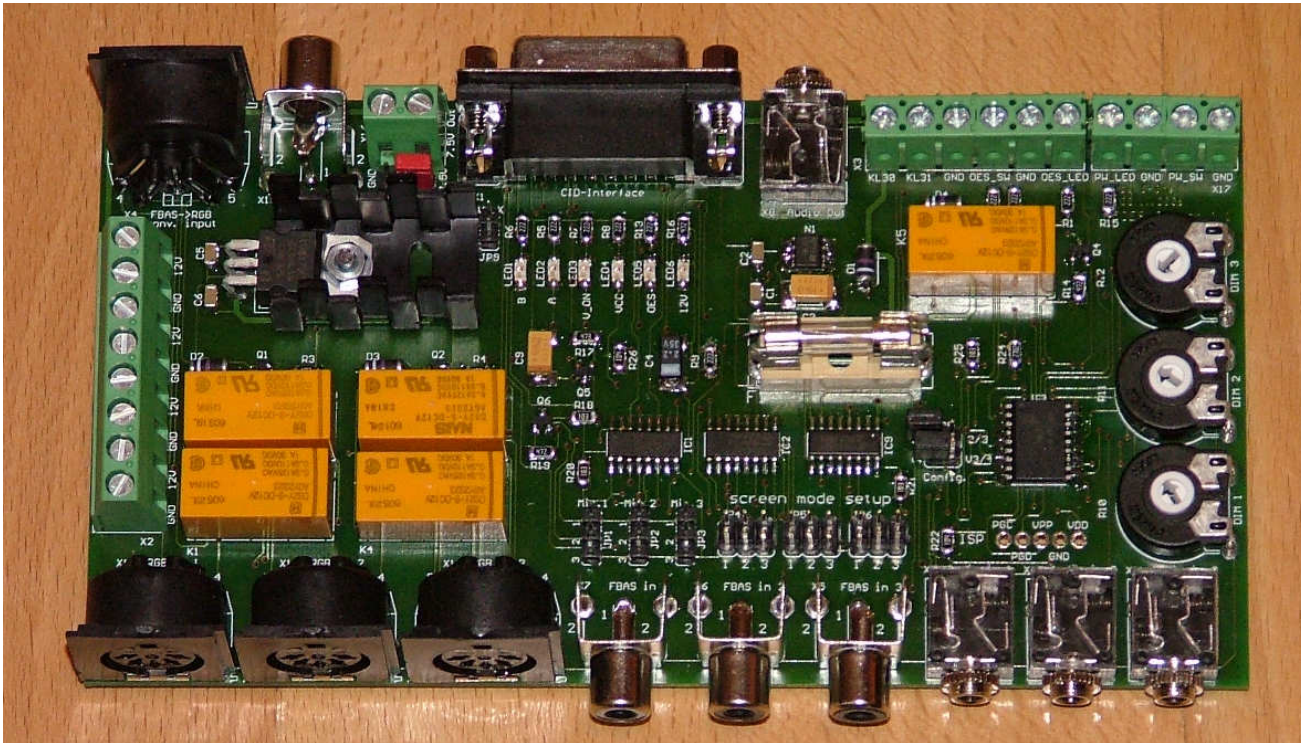


Fig. 1: OES-Switch V1.2

The OES-Switch V1.2 allows to connect up to 3 video sources to the CID-Interface V3.x / V4.x. Two push-buttons control the main functions such as external video on / off and selection of the video source. The according stereo audio signal of each video source is fed through the OES-Switch V1.2 to a single audio output as well and can be connected e.g. to an FM-modulator.

The CID-Interface V3.x / V4.x can be directly connected to the OES-Switch V1.2 via the 15-pole SubD-connector. For easy 12V-power supply of the connected video sources and the FM-modulator, the OES-Switch V1.2 is equipped with several screw-terminals which are protected with a fuse.

2. main functions of the OES-Switch V1.2:

- up to 3 RGB-video sources OR up to 3 FBAS(RCA)-video sources (no mixed mode!) can be switched through to the CID-Interface
- up to 3 stereo audio sources can be switched through to one stereo output
- freely and independently adjustable CID-brightness for all 3 video inputs (0-100% via potentiometers)*
- Soft-Switching functionality when selecting between the external video sources (dim down – switch – dim up)*
- control of the OES-Switch V1.2 through two high-quality push-buttons and display of the current status via its LED-illumination (blink signals)
- monitoring of the battery voltage and fuse status, optical signalisation of low battery voltage and broken fuse via push-buttons
- screw-terminals with 7.5V power supply, RGB-video input and FBAS-video output for connection of an FBAS->RGB-converter when using FBAS-video sources
- compatible with CID-Interface V3.x and V4.x
- 9 screen formats and screen mirrored / not mirrored preselectable for all 3 video sources, configurable via jumpers

* these functions are only available when using the CID-Interface V4.x!

3. accessories OES-Switch V1.2:



Fig. 2: push-buttons with activated LED-illumination



Fig. 3: high-quality push-buttons



Fig. 4: adapter cable 1 (SCART to 5-pol. DIN with stereo-3.5mm connector for audio signal)



Fig. 5: adapter cable 2 (SCART to 5-pol. DIN)



Fig. 6: 5-pol. DIN-connector

4. price list OES-Switch V1.2 and accessories:

- **OES-Switch V1.2:** fully assembled and soldered (see fig. 1) **120,- €**

- **2 push-buttons:** high-quality push-buttons with LED-illumination red / green with approx. 1m cable connection (see fig. 2 and 3) **35,-€**

- **adapter cable 1:** one shielded adapter cable for connection of a RGB-video source with SCART-connector including a stereo-3.5mm audio connection to the OES-Switch V1.2 (see fig. 4) **15,-€**

- **adapter cable 2:** one shielded adapter cable for connection of a RGB-video source with SCART-connector (see fig. 5) without audio connection (suitable e.g. for connecting the FBAS->RGB-converter LEK-CCR2SRGB to the OES-Switch V1.2) **10,-€**

- **5-pol. DIN-connector:** suitable video connector for self-building a customised adapter cable for RGB-video sources **3,-€**

For controlling the OES-Switch V1.2, generally all kinds of push-buttons (normal open) can be used and for displaying the current status and error messages, two usual LEDs can be connected to the OES-Switch.

When using FBAS-video sources, all sources can be connected with common chinch-video cables (yellow connector) to the OES-Switch. For audio connection, simple chinch (red and black) to 3.5mm-stereo connector cables can be used.