

Edit, generate and send VBI data with the test tool GEDITOR

TARA Systems has been offering the GEDITOR for several years for testing in the analogue TV environment. The GEDITOR hardware is a Teletext generator producing a CVBS signal that contains Teletext, VPS and WSS data within the vertical blanking interval. In addition, the GEDITOR+ hardware can insert Teletext, VPS and WSS data in an existing CVBS signal. Both tools are used by CE-manufacturers and TV broadcasters in laboratories and factories.

The GEDITOR Software is a tool for TV data line generation that allows the transmission of data packets directly from the PC to the GEDITOR via printer port. It supports Teletext, EPG, VPS, WSS525, WSS625 lines and Closed Caption data. The edited lines are saved in the open binary EPR format, which can be used for EPROM generation or sent directly to the GEDITOR hardware connected to the printer port. In addition, TARA Systems offers a similar solution for DVB, called DiVi Tools.

Technical Details

GEDITOR/GEDITOR+ hardware:

- Stand alone EPROM operation with 128 kByte or 512 kByte.
- Real time processing of data for up to 18 lines/field within the VBI.
- Full-channel-mode (Teletext data in every CVBS line, except equalising pulses) on request (only with EPROM).
- PAL/SECAM and NTSC version.
- Additionally the GEDITOR+ is a broadcast quality inserter with test and trigger signals on the probe connector.

GEDITOR software for Windows NT, 2000, XP:

- Edit functions with mark, copy, delete and more.
- Support of all TTX packets from 00 to 31.
- Parity, hamming and three byte hamming check functions with selective switch-off for all byte positions.
- Low level edit for each bit position
- High level edit with symbolic attributes for TTX row 00 ... 25- 29 (Level 2.5), packet 8/30, ...
- Comfortable set up of serial attributes.
- VPS and WSS editing in bit and biphas level.
- Binary output for EPROM generation.
- Powerful filter functions for finding certain pages or packets.
- Macros to automate recurring tasks.



Fig. 1: GEDITOR (top) and GEDITOR+ (bottom)

DiVi Tools for DVB Test

- For testing purpose within the DVB environment, TARA Systems offers the DiVi Tools. The DiVi tool chain enables the creating, modification and play out of test data within DVB transport streams, in order to verify data dependant applications, like Teletext, EPG or DVB-Subtitling.