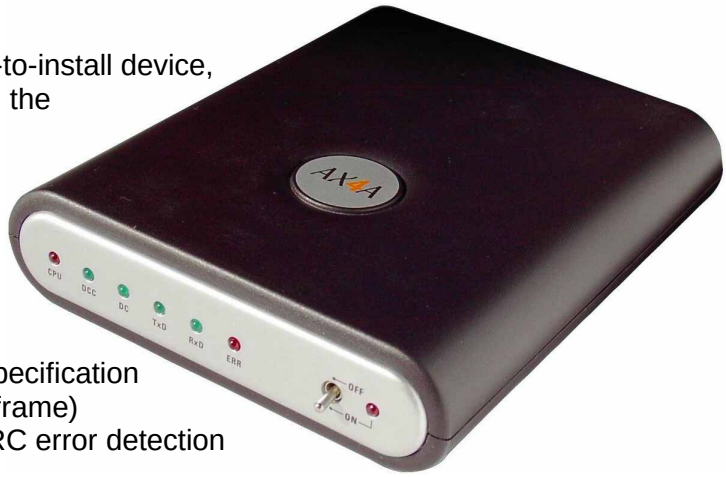
Specification Sheet

DB1000 SER External Decoder



Designed specifically as a user-friendly and easy-to-install device, for the reception of broadcast data services using the vertical blanking interval of a television signal.
It will receive and decode data following the PAL/ World System Teletext (WST) standard.

Features

- Small sized with standard RS-232 interface
- Data broadcast reception capabilities:
  - Packet 31 reception to WST technical specification
  - Throughput up to 72 Kb/s (10 VBI lines/frame)
  - Full repeat/continuity processing and CRC error detection
  - Full VBI processing capabilities
  - 6 independent services in parallel
- Conditional access:
  - Unique address for every receiver (6 bytes)
  - Each service is separately controllable by the transmitter (on, off and 16 bytes bit field)
- Teletext reception capabilities:
  - Separate mode reception of 1 page of Teletext (sequential Teletext, 625 lines)

System

- Philips Multimedia tuner of FI1200MK2 family
- Philips Digital Data Slicer
- EMC requirements (Radiation/Immunity/ESD): EN55022 and EN50082-1 European standards).
- Safety requirements: EN60950 and EN60065 (European standards).
- TÜV certification mark

Software

- TV channel scan function, scans all available RF TV channels, automatically identifying all recognisable TV Broadcasts and Teletext services which transmit the PAL/WST Packet 8/30 Broadcast Service Data Packet (BDSP)
- All receiver functions are software controlled using proprietary "AT" command set, similar to that found in many modems. No drivers are needed.

Hardware

- Inputs: UHF/VHF: 75 ohms unbalanced or base band video
- Data/Teletext interface: RS-232 (Speed up to 115k2)

Physical Parameters

- Chassis: Desktop
- Dimensions: Width 8 x Depth 15 x Height 3 (all dimension are given in centimeters).
- Weight: 250grams

Power Requirements

- Supply voltage 220V/ 5V nominal
- Power consumption less than 2.5 Watts

Platform Support

- All platforms with RS-232 interface!

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