DABSTOR-E

ETI Monitor

DABSTOR-E monitors the DAB Ensemble Transport Interface data stream at the multiplexing centre, or transmitter site.

The system can be connected anywhere in the ETI 2Mbits/s signal (NA, G.704 and NI, G. 703) to be monitored, or it can be connected in parallel with the signal path.

All Audio programmes in the data stream are monitored and an individual programme can be extracted and decoded.

The Audio signal can be output as an analogue, or optionally, as a digital (AES3) signal. A headphone output is also available.

All available programmes are shown in list form on the front display. Selecting an audio programme displays all relevant information for the currently selected programme.

Two relays and six GPIO contacts are provided for external signalling of alarms. Additionally, up to 7000 alarms with date and time can be stored in the system, without the need for a PC.

DABSTOR-E is controlled via the integrated LAN interface. SNMP enables DABSTOR-E to be integrated into a network management system.

Highlights

- **Ensemble Transport Interface monitoring (ETI-NA and ETI-NI)**
- **Integrated DAB & DAB$^+$ Audio Decoder**
- **Simultaneous monitoring of all Audio sub channels**
- **Monitoring of one Audio signal (extendable with expansion units)**
- **Analogue and digital AES3 output**
- **Headphone output**
- **Two Relays and six GPIO contacts for external signalling**
- **Integrated audio level monitoring**
- **Integrated alarm memory for up to 7000 alarms, with date and time**
- **Control and status via LAN**
- **Configuration & monitoring software for single and multiple ETI Monitors**
- **SNMP V2**

The ability to extract a single programme from the DAB Ensemble provides a cost-effective Audio programme feed for non-DAB applications, without the need to use additional transmission lines, for example: FM Audio programmes can be fed to transmitter locations or inserted into cable networks.

Windows PC Software provides detailed alarm monitoring. The content of the ETI data stream can be displayed and the internal alarm memory can be read. All relevant information, e.g. 2Mbits/s alarms, number of sub-channels, types of sub-channels, etc., can be displayed. Software is included for managing single and multiple DABSTOR-E ETI Monitors via LAN.

Specifications

ETI Interface

Ensemble Transport Interface
(ETSI ETS 300 799)
ETI (NA, G.704) 5592
ETI (NA, G.704) 5376
ETI (NI, G.703)

E1
2.048 Mbits/s G.703/G.704 (

Connectors
75Ω BNC with loopback connector

DAB-Modes
I, II, III

Audio Decoding

DAB
ISO/MPEG Layer II (ETSI EN 300401)

DAB+
MPEG-4 HE-AAC V2 (ETSI TS 102 563)

Sampling Frequencies
DAB: 24kHz, 48kHz
DAB+: 16kHz, 24kHz, 32kHz, 48kHz

Audio Output
Electrical, balanced (XLR) AES/EBU
Professional Headphone output

Level
-3dB to +9dB (configurable)

Level Monitoring
Selectable level threshold and monitoring interval

Control and Management

Windows software for control and status via LAN

Software supplied for single and multiple DABSTOR-E units

Alarms

2 Programmable Relays

6 Programmable GPIO

SNMP V2

Physical

Chassis
1U rack-mount or desktop

Dimensions
440mm (w) x 43mm (h) x 250mm (d)

Weight
2kg weight

Power

Power Supply
90V – 253V AC

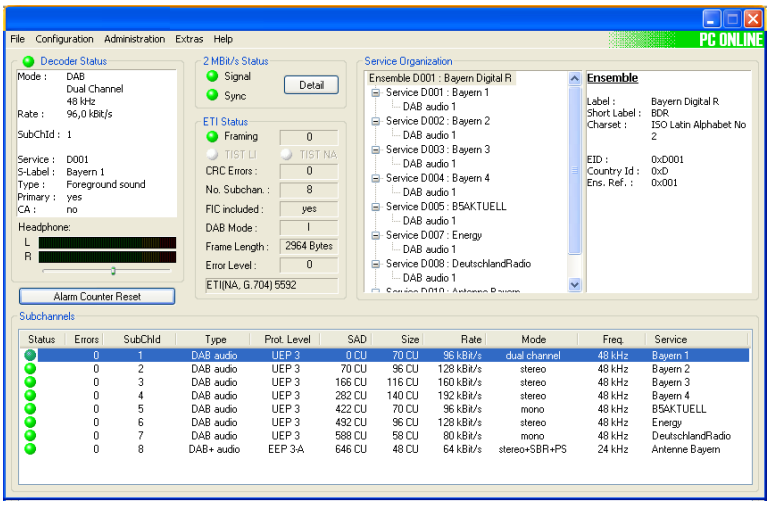
Power Consumption
Less than 15W

Environment

Operating Temperature
0° to 65° C

Storage Temperature
-20° to 70° C

Humidity
0 to 95% non-condensing



DABSTOR-E Software provides Control and Monitoring via LAN Interface

Specifications may be subject to change without notice.

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