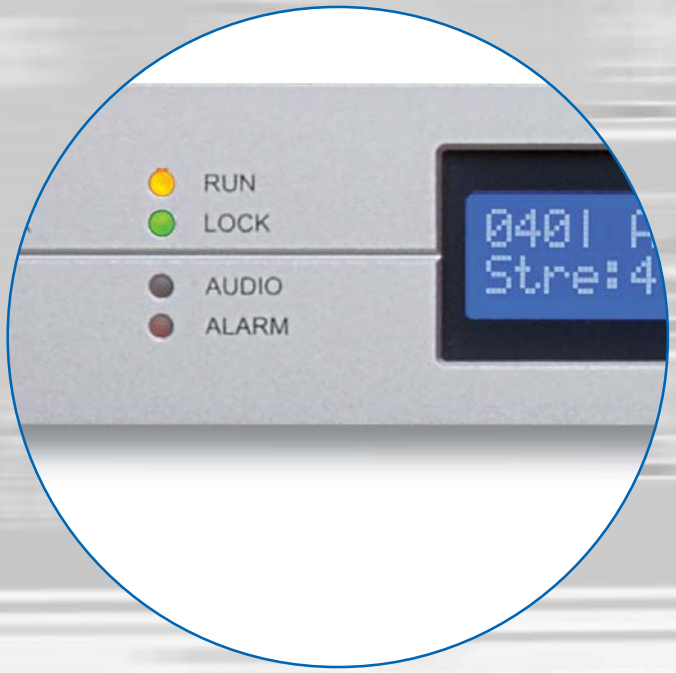
Now also available for DVB-C

# DAR

DVB-S Audio Receiver
DVB-C Audio Receiver




Qbit
www.qbit.de

# DAR DVB-S Audio Receiver DVB-C Audio Receiver

DAR is a professional DVB-S audio receiver designed for the reception of audio data and accompanying ancillary data. It comprises a DVB satellite tuner with MPEG audio decoder and a demultiplexer for the retrieval of ancillary data. DAR can be used e.g. for feeding data to terrestrial FM transmitters (main or standby), where user specific additional data like e.g. RDS are needed beside the audio signal. DAR provides undecoded MPEG audio data feed for DAB transmitters. Data feed for DVB networks is provided by the optional ASI interface.

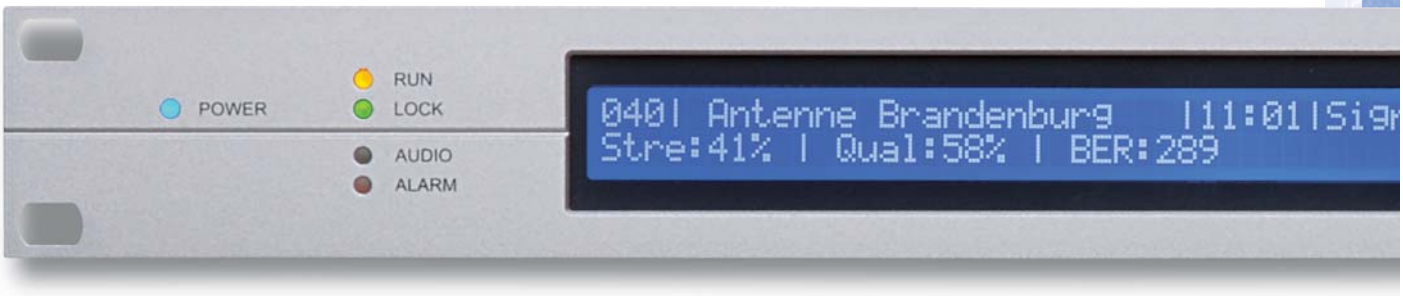
DAR is available for both DVB-S and DVB-C.

The sampling rate of the digital audio output can be synchronised to an external clock connected to the sync input.

For signalling alarm status DAR has 4 dry relay contacts (change-over contacts).

Locally DAR can be controlled by using the built-in key panel and display. Remotely the device can be controlled by accessing the on-system web server with any internet browser or by SNMP, which is a standard feature.

As an option the DVB-ASI interface of the DAR can be replaced by a second tuner (DVB-S or DVB-C).



DAR DVB

# Specifications

## Tuner/demodulator:

### DVB-S

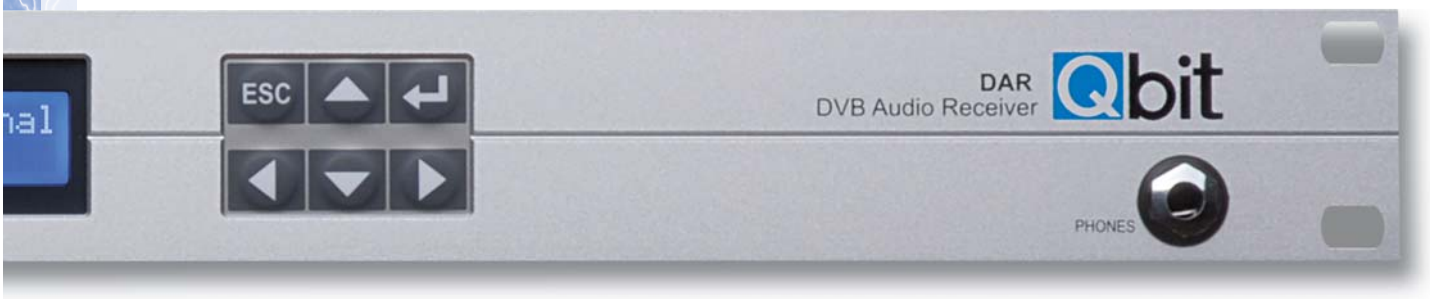
according to ETS 300 421

| | |
|---|---|
| Input frequency range: | 950 MHz .. 2150 MHz |
| Input impedance: | 75 Ohm |
| Input level: | -65 dBm .. -25 dBm |
| Input connector: | F socket |
| RF-Loop-Through-connector: | F socket |
| LNB supply voltage: | 0, 13V, 18V (400 mA) |
| LNB control: | 22kHz/18V, DiSEqC 1.x, Toneburst |
| Symbol-rate: | 1 .. 45 MSymb/s |
| FEC: | automatic detection (1/2, 2/3, 3/4, 5/6, 7/8) |

### DVB-C

according to ETS 300 429 and ITU-T J.83 Annex A

| | |
|---|---|
| Input frequency range: | 51 MHz bis 860 MHz |
| Input impedance: | 75 Ohm |
| RF-Loop-Through-connector: | IEC socket |
| RRF-Loop-Through-connector: | IEC plug |



**Audio:**

| | |
|---|---|
| Digital audio out: | AES/EBU, electric, XLR |
| Optical audio out: | TOSLINK |
| Analog audio out: | electronically balanced, XLR, adjustable level +6 dBu (optional 0 .. +12 dBu) |
| Audio coding: | ISO/IEC 11172-3, MPEG I Layer II, AC-3 (pass through) |
| Audio mode: | mono, dual mono, stereo, joint stereo |
| Audio bit rate: | 64 .. 384 kbit/s |
| Audio frequency range: | 20 Hz .. 20 kHz, ±0,3 dB |
| Headphones out: | 6.3 mm jack/output 200 mW |

**Ancillary data, MPEG:**

| | |
|---|---|
| MPEG output: | MPEG I Layer II data stream, X.21 synchronous |
| Ancillary data source: | embedded in MPEG audio data stream or private stream inside MPEG transport stream |
| Content ancillary data: | transparent, UECP, other specifications by request |
| Output interface: | RS.232 |
| Decoding: | Radiotext, Radiotext plus (RT+) |

**Remote interfaces:**

| | |
|---|---|
| Serial: | RS.232, SubD 9 connector |
| IP port: | LAN 10/100, RJ45 connector |
| IP protocol: | HTTP, SNMP |

**Switching contacts:**

| | |
|---|---|
| Inputs: | 2; potential-free optocoupler inputs |
| Outputs: | 4; potential-free relay outputs |

**Power:**

| | |
|---|---|
| Supply voltage: | 230 V ± 10 %, 50 Hz |
| Power input: | 10 W |

**Housing:**

| | |
|---|---|
| Size: | 19" rack mount cabinet, 1U |
| Weight: | 3,9 kg |

Qbit GmbH | Zeiloch 3 | D-76646 Bruchsal | Tel + 49 7251 931930 | Fax +49 7251 9319393 | info@qbit.de | www.qbit.de