



PRODUCT INFORMATION

Qbit's Q577 is a professional 8-channel DAB+ audio receiver designed specifically for radio distribution and monitoring applications.

Based on Qbits extensive heritage in audio contribution, the Q577 DAB/DAB+ Receiver offers a professional rebroadcast and monitoring receiver for 24/7 operation of DAB and DAB+ reception.

The Q577 was designed as an easy-to-use and cost-effective backup receiver for transmitter stations as well as monitoring of DAB+ key parameters such as RF, SNR and C/N.

The unit is able to receive 2, 4 or 8 services and decode them to digital (AES3) audio.

Furthermore, the Q577 converts PAD metadata to RDS, therefore offering UECP data (PS, RT, PI, PTY & CT) for rebroadcasting.

FEATURES

- professional DAB+ audio receiver
- cost-effective digital radio solution
- receives up to 8 audio programs from DAB/DAB+ ensemble
- broadcast quality XLR connectors
- up to 8 RS-232 ports for RDS data (UECP)
- programmable alarm array
- control via front panel & display
- remote control via web browser / SNMP

APPLICATIONS

- Monitoring of DAB services
- Rebroadcasting
- Audio Distribution Networks

DAB+ AUDIO RECEIVER
8 DIGITAL STEREO CHANNELS

MANAGEMENT AND CONTROL

The Q577 DAB+ Receiver can be managed conveniently via front panel and the integrated web interface with all common web browsers.

The device can be monitored and managed via SNMP.

The basic setup and status monitoring can be performed with the control panel and the LC display at the front of the device.

SPECIFICATIONS

● DAB Tuner

- Band III support (168-240 MHz)
- compliant with ETSI EN 300 401 and ETSI TS 102 563
- supports both MPEG Audio Layer 2 (DAB) and HE-AAC V2 (DAB+)
- Input connector: F-female, 75 Ω
- Input sensitivity: 18 dBuV
- Input return loss: >10 dB
- adjacent selectivity: >48 dB
- ensemble acquisition time: 940 ms

Audio Outputs:

- 8 XLR connectors (male) for digital audio signals AES/EBU, electrical, XLR (IEC958)

Ancillary Data:

- RS-232 Interface
- breakout cable (4 connectors, conversion from Sub-D 25 to Sub-D 9)

GPIO:

- 4 outputs (relay contacts), 8 Inputs (photo couplers)

Network:

- Ethernet interface (IEEE 802.3, RJ45, 10/100MBit/s)
- Control (Web Interface, SNMP and Ancillary Data)

System Configuration, Control and Monitoring:

- via Ethernet with Web Browser
- via Ethernet with SNMP
- via Front Panel Keys (and Display)

Power Supply:

- integrated switching power supply, input voltage: 100 to 240 V +/-10%, 50 to 60 Hz
- -48V DC power supply
- power consumption: <30W
- redundant power supply
protects the operation of the device and measures the the power supply voltages. Values are provided via web GUI or SNMP

Housing:

- dimensions: 19" rack mount cabinet, 1 U (483mm x 360mm x 44mm)
- weight: 4,5 kg

Environment:

- operation temperature: -10°C to 45°C
- storage temperature: -20°C to 70°C
- humidity: up to 95% non-condensing at 40°C

Legende: ● Standard ○ Optionen

SUPPORT OPTIONS

We are convinced of the high quality of our products. Hence, we are granting 2 years warranty without making compromises.

For the time after that, we offer affordable subsequent contracts. For optimal support and for software updates and upgrades we offer budget-friendly support contracts.

- 2 years hardware warranty
- hardware warranty extension up to 10 years
- Service Contract Basic (Updates, Email support)
- Service Contract Advanced (Updates, Email- and phone support, replacement devices etc.)