



## Technical specifications

### System

- Audiofrequency response: 2 [4] channels, 20 Hz – 15 kHz,  $\pm 0.7$  dB
- Preemphasis (for DTX)/Deemphasis (for DRX): 50  $\mu$ s applied internally
- Data: 1 [2] RS-232 channels, max. 8000 baud
- Sampling rate: 32 kHz
- Source encoding: ADPCM Sub-band  
(Adaptive Differential Pulse Code Modulation)
- Channel encoding: PAM (Pulse Amplitude Modulation)  
2 levels, partial response
- Bit rate: 256 Kbit/s [512 Kbit/s]
- Total delay: <5 ms
- Dynamic range: >90 dB
- Total harmonic distortion @ 1 kHz: <0.05%
- Audio band Signal/Noise ratio: >75 dB

### General

- Audio input/output connectors: XLR (female for DTX, male for DRX)
- Audio input impedance (for DTX): 600  $\Omega$ /10 K $\Omega$  balanced/unbalanced
- Audio output impedance (for DRX): 100  $\Omega$  balanced/unbalanced
- Encoded signal input/output connector: BNC
- Encoded signal input impedance (for DRX): 470 K $\Omega$
- Encoded signal output impedance: 100  $\Omega$
- Auxiliary data input/output connector: DB9 (female for DTX,  
male for DRX)
- Power supply: 100-120-220-240V, 50-60 Hz, single-phase
- Consumption: approx. 15 W
- Panel dimensions: 483 mm (19") L x 42.5 mm (1.7") H
- Depth: 371.5 mm (14.6")
- Weight: 7 kg
- Operating temperature: 0  $^{\circ}$ C – 50  $^{\circ}$ C

### RF system minimum specifications

- Peak deviation: 53 kHz [38 kHz]
- Passband: 200 kHz [350 kHz]
- S/N: >30 dB