

PRESS RELEASE

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High-quality and cost-efficient converter for DAB+ signals for feeding into cable systems

The DCC 1-00 is a channel converter for digital, terrestrial radio signals (i.e. for DAB / DAB+) in VHF Band III. The device is used in cable systems by city carriers, cable network operators or the real-estate industry. It converts the channels 5A to 13F in a highly selective manner within the DAB channel raster of band III to arbitrarily chosen output channels and is particularly suitable for feeding terrestrially received DAB signals into CATV cable systems.

The conversion is carried out using high quality PLL circuit, SAW filters and AGC techniques. Due to the low phase noise, the DCC 1-00 is perfectly suitable for OFDM modulated digital radio signals. The use of the DCC 1-00 allows the compact combination of several DAB channels, which are distributed over the entire band III in terrestrial broadcasting, in a small bandwidth of the CATV spectrum. For example, four terrestrially received DAB signals can be transmitted in the bandwidth corresponding to a single DVB-C signal. The spectrum is also cleaned up by SAW filtering of the converted DAB signal.

