

DPRO3

FM digital audio processor



Technical features:

DPRO3 digital audio processor is a FM broadcast audio processor with integrated MPX and RDS encoder.

The processing chain comprises a wide band AGC which feeds the 3 bands audio processor.

This configuration allows for a good on air presence, combined with a natural and transparent sound.

The audio processing and RDS/MPX encoders are realized by DSP, allowing a stable operation over time and the possibility to implement new functions through software updates.

An optional ethernet streaming card allows to play MP3 / AAC + streams and files, thus forming a complete stream to MPX + RDS receiver for use as a spare audio source or network STL.

In this case, the audio signal coming from the network will be directly processed by the DSP and converted to analog only at MPX output, thus realizing an entirely digital processing chain.

- **Analog audio input**

Sampling frequency 48KHz/24bits

Input level +12/-12dBu

XLR connectors, electronically balanced

- **Digital audio input**

Accepts AES/EBU and SPDIF sample rates from 32 to 96KHz,

XLR connector with balanced transformer

- **SCA input**

BNC connector

- **19KHz reference output**

BNC connector, 1Vpp square wave

- **Analog audio output**

Output level +12/-12dBu

Deemphasis Off, 50uS, 75uS

XLR connectors, electronically balanced

- **MPX output**

Output level +6/-6dBu

Stereo crosstalk >66dB

BNC connector

pilot reference output 19KHz, 1Vpp

- **Latency**

Audio processor 8mS, Stereo coder 4mS

- **RDS Encoder**

PI, TP, TA, DI, PS, RT, RT+, CT, AF-A, AF-B, PTY

Carrier level electronically adjustable from 0 to 6KHz, in 100Hz steps

Radiotext+, CT and dynamic PS are managed by included software

(MS Windows XP, W7)

- **Remote control**

All functions can be managed remotely with an included software.

Interfaces:

RS-232 (standard on all models)

Ethernet streaming card (optional)

Ethernet standard card (optional)

- **Power supply**

100-240VAC 50/60Hz

- **Physical**

1 x 19" rack unit, 44mm x 483mm x 156mm

Weight 2Kg

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