DPRO3 FM digital audio processor

Technical features:

D PRO3 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.

T he 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.

A n 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