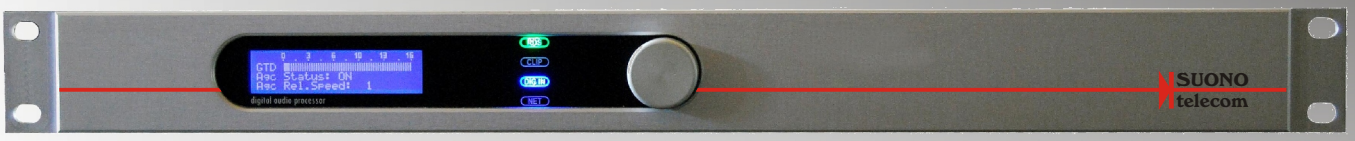
SUONO telecom

SDAP100 digital processor for FM Broadcast



SDAP100 3 FM is an audio processor for use FM broadcast complete coder MPX(composite) and RDS. The processing chain comprises a wide band AGC which feeds the audio processor 3 band. This configuration achieves a very good presence on air, combined with a remarkable natural sound. The audio processing and encoding RDS / MPX are realized by DSP, allowing to have a stable operation over time, and the possibility to implement new functions by means of software updates.

There is available a sound module (optional) to play streams audio MP3 / AAC + and thus form a complete receiver / re MPX + RDS encoder for use as a spare audio or power repeater stations via the Internet network, in this case, the audio signal acquired from the network will be directly processed by the DSP and only converted to analog for MPX output, thus realizing a chain of entirely digital process.

Technical Features

Analog Audio Input
Sampling 48KHz/24bits
Level+12/-12dBu
Connectors XLR, balanced

Digital Audio Input
for AES/EBU o SPDIF format for sampling frequency from 32 to 96KHz,
Connector XLR, balanced

SCA Input
Connector: BNC

Analog Audio Output
Level +12/-12dBu
Deemphasis: Off, 50µS, 75µS
Connector XLR, balanced

Uscita MPX
Level +6/-6dBu
Stereo separation >66dB
Connector: BNC
Out tone for reference 19KHz, 1Vpp

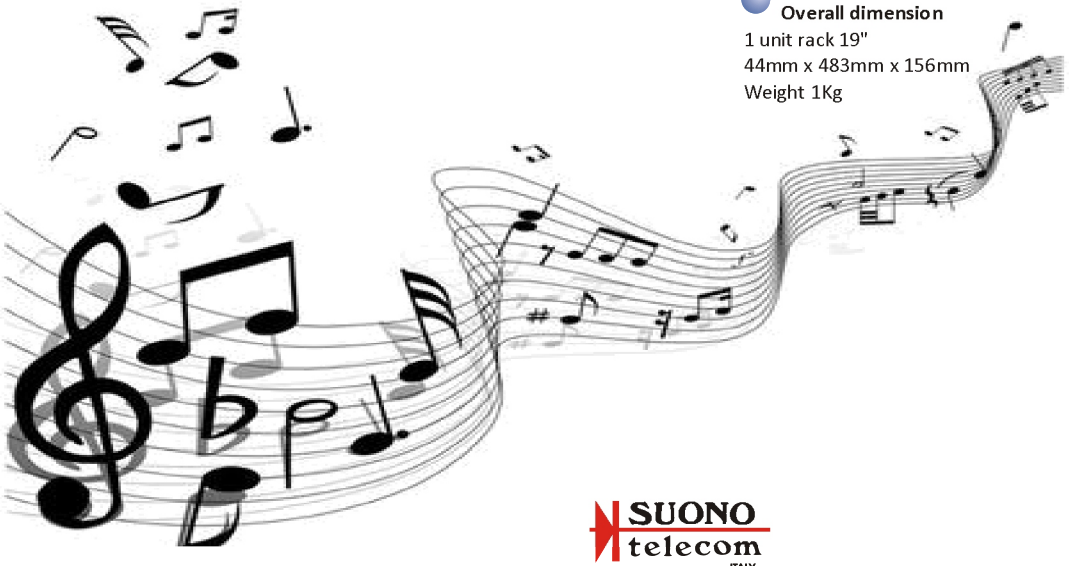
Latency
Audio processor 8mS
Stereocoder 4mS

RDS Coder
Functions available: PI,TP,TA,DI,PS,RT,RT+,CT,AF-A,AF-B,PTY
Subcarrier level: from 0 to 6KHz, 100Hz step
Dynamic Radiotext and PS (MS Windows XP,W7) included

Remote control
RS-232
Ethernet streaming (option)
Ethernet standard (option)

Powering
100-240VAC 50/60Hz
12VDC (option)

Overall dimension
1 unit rack 19"
44mm x 483mm x 156mm
Weight 1Kg



SUONO telecom ITALY

SUONO TELECOM S.r.l. via Mazzini, 19 25020 FLERO (BS) ITALY tel. +39-30-2761599 fax. +39-30-2762099
www.suono.com e-mail: info@suono.com