

# DMPX

## RDS digital stereo coder



### Technical features:

**D**MPX is a DSP-based stereo coder, equipped with digital clipper, preemphasis limiter and builtin RDS encoder. It provides excellent audio signal quality and signal to noise ratio.

**T**he RDS encoder supports the transmission of dynamic Radio Text and Radio Text + data. A dynamic content managing software is included for interfacing with most radio automation systems.

**I**nternal logic manages the automatic changheover between the different audio sources in case of main input failure.

Available audio inputs are: analogue, AES-EBU, Ip-Audio streaming and MPX.

**U**sing the supplied software, you can quickly program the main operating parameters, save to disk and recall different basic configurations.

**T**hrough the display and front panel knob, you can view and edit every configuration parameter, even without using a PC.

#### ● 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.

#### ● MPX audio input

0dBu level (2.2Vpp / 775mV RMS for 75KHz deviation) with passive switch. BNC Connector

#### ● Streaming IP audio input

Formats: AACplus, MP3, Ogg Vorbis, G.711, PCM Decoding  
IP Streaming via TCP, UDP, RTP, Multicast  
USB Flash Memory Interface  
Level +12/-12dBu

#### ● MPX output

Level +6/-6dBu (0,1dB step)  
Preenphasis Off, 50μS, 75μS  
stereo separation >66dB  
BNC connector  
reference output 19KHz, 1Vpp

#### ● RDS coder

Blocks PI, TP, TA, DI, PS, RT, RT+, CT, AF-A, AF-B, PTY  
Adjustable Injection level from 0 to 6KHz, steps 100Hz  
Dynamic Ps and Radiotext+ with included software (MS Windows)

#### ● Remote control

All functions can be managed remotely with an included software.  
Ethernet 10/100 RJ45 connector  
RS-232, DB9F connector

#### ● Power supply

100-240VAC 50/60Hz

#### ● Physical

1 x 19" rack unit  
44mm x 483mm x 156mm  
Weight 2Kg