

# DSPmpX

## Stereo Encoder



### OVERVIEW

The DSPmpX has unmatched stereo separation and the built in composite processing and audio protection limiters ensure that you stay within modulation limits. It is ideal for remote transmitter sites where STLs or satellite links with audio overshoot or sloppy levels can cause headaches. The DSPmpX is the perfect painkiller.

Want to provide more meat to your signal, why not 'overdrive' the DSPmpX's limiter or crank up the composite processing. Concerned about signal integrity and cleanliness? The in built SCA and pilot protection filters mean you don't have to.

Built-in silence detection which can automatically switch from analogue to AES/EBU inputs or vice versa on program fail.

### FEATURES

- Analogue and Digital (AES/EBU) Inputs
- Stereo or mono (L+R, L or R) mode selection
- Switchable input fallback with adjustable timer
- Switchable pre-emphasis
- Anti-aliased overshoot-compensated clipper
- Steep 15 kHz filtering
- High performance DSP stereo encoder
- Composite clipping control
- RS232 and TCP/IP interfaces for remote control
- Real time clock for preset scheduling
- Preset trigger port
- Security (password) Control
- Software 'FLASH' Upgradable
- Pilot protection filter

### SPECIFICATION

#### Analog input

Nom. input level	-12 to +12dBu
Max input level	+24dBu
Connectors	XLR floating, EMI suppressed
A/D conversion	24 bit 48 Khz 128x oversampled

#### Digital input (AES/EBU)

Sampling rate	32-96 KHz
Connector	XLR floating, EMI suppressed

#### Stereo encoder

Output level	0 to +12dBu
Connector	BNC, floating
D/A	24 bit 768 KHz
Stereo separation	>70dB (typ. > 75dB)
SCA input	BNC floating
Pilot output	BNC, 5V

#### Remote interface

RS232	DB9
NET/LAN	RJ45 EMI shielded

#### Other

Power	85-265 VAC 50-60Hz
Size	44mm x 482mm x 200mm
Weight	1.6 Kg

The DSPmpX is class leading stereo generator that employs digital signal processing for unrivalled performance.



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