

DSPXmini encore | AM, FM & HD AUDIO PROCESSOR



DSPXmini Encore DSPXmini Encore

Jump start your station's audio with the most flexible broadcast processor on the planet.

With it's flexible hardware and firmware, you can select between optimised processing for FM, AM, and digital radio, including internet radio streams, DAB and HD radio.

The multi-band AGC corrects and equalises a wide range of input audio levels, while the peak limiters ensure your broadcast has tightly controlled peak levels. A stereo encoder, and RDS encoder, Shoutcast client and server for streaming in and out of the box, Plan-B audio backup switching and a sophisticated actions and triggers monitoring system complete the package.

Why you'll never regret choosing the DSPXmini encore.

- **A tri-mode broadcast processor for FM, AM and digital radio.** Maximum flexibility and at a great price.
- **Dozens of expertly created factory presets** enable radio stations to sound great – right out of the box. Experts can tweak hundreds of parameters as much as they desire.
- **Wide ranging RMS levelling pulls up low level and tames hot signals effortlessly,** ensuring a consistent sonic signature, no matter what audio you feed it.
- **Stereo (MPX) generation & peak limiting** offer low distortion audio and compliant bandwidth through advanced anti-aliased protection technology
- **RDS encoder (UECP compliant)** broadcasts your station ID, song and title and much more. Built in as standard!
- **Plan B Silence Detection and Source Switching** automatically reverts to auxiliary audio sources or on-board flash memory, keeping your broadcast on air.
- **HTML5, FTP, Telnet, SNMP & RS232 Remote Control with IP streaming** allows you to monitor and control your processor from anywhere in the world. Even listen in over an IP connection.

SPECIFICATION

PROCESSING	
AGC	4 band
Limiters	4 band
Clippers	2 band
Composite processor	yes

ANALOG INPUT	
Nom. input level	+4 dBu
Max input level	+24 dBu
Connectors	XLR balanced EMI suppressed
A/D conversion	24 bit
Distortion	<0.01%

ANALOG OUTPUT	
Analog output	0-24 dBu adjustable
Connectors	XLR balanced EMI suppressed
D/A conversion	24 bit

DIGITAL INPUT (AES/EBU)	
Sampling rate	32-192 kHz (MPX over AES ready)
Connector	XLR balanced EMI suppressed
Nominal input level	-20 dBfs

DIGITAL OUTPUT (AES/EBU)	
Sampling rate	32-192 kHz (MPX over AES ready)
Connector	XLR balanced EMI suppressed
Level	-32 - 0 dBfs adjustable

MPX / RDS	
Output level	0 - 12 dBu adjustable
MPX outputs	2 x BNC EMI suppressed
D/A conversion	192KHz, internally oversampled
Stereo separation	>60 dB 20Hz - 15 kHz
MPX inputs	2 x BNC EMI suppressed
A/D conversion	192KHz, internally oversampled
Pilot output	BNC software switched with MPX2 output

Remote Control	
Connectors	Serial, USB A, USB B, RJ45
Protocols	HTTP (browse, mobile, API), SNMP, TELNET, FTP, SMTP, RS232

OTHER	
Power	90 - 260 VAC, 50/60Hz, 25W IEC connector
Environmental	-20°C - 50°C / 0-90% RH, non-condensing
Size (inch)	19" W x 1.73" H x 9.84" D
Size (mm)	44mm x 482mm x 200mm
Weight	1.6 Kg
Warranty	10 year limited warranty

