

# DSPXmini encore | AM, FM & HD AUDIO PROCESSOR

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**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	4 year limited warranty

