

DSPXtra encore

| AM, FM & HD AUDIO PROCESSOR



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

Not only does it allow processing of FM and AM, it also will simultaneously process the audio independently for internet radio streams or digital radio services like DAB & HD radio.

The DSPXtra contains so much in one box; The award winning Ariane AGC, a six band limiter, a stereo encoder, an RDS encoder, Shoutcast capability for streaming in and out of the box, Plan-B audio backup switching and a sophisticated actions and triggers monitoring system.

Why you'll never regret choosing the DSPXtra encore.

- **A fully featured tri-mode broadcast processor for FM, AM and digital radio** that also supports simulcast processing.
- **Dozens of expertly created factory presets enable radio stations to sound great – right out of the box.** Experts can also tweak hundreds of parameters as much as they desire.
- **Ariane RMS audio levelling** keeps your audio loud, free from pumping, and with a touch of stereo enhancement if required. This award winning AGC will rock your audio.
- **Stereo (MPX) generation & peak limiting** for advanced anti-aliased distortion control or peaks and bandwidth.
- **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.
- **A flexible and versatile action and alerts system** brings together back panel GPIO at digital and analogue levels of your choosing, integrating it with an easy to set up 'do this when' and 'do this now' set of actions.

SPECIFICATION

PROCESSING

ACG	4 band (Ariane) stereo or sum & difference
Limiters	6 band
Clippers	3 band
Composite processor	yes
Digital radio dual path	3 band look ahead limiting

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

