DSPX HD
HD Audio Processor

OVERVIEW

You want it all-great sound, easy configuration and value pricing. And you get it all, with the DSPX-HD processor for digital broadcast services. When processing HD Radio main and multicast channels, DAB, DRM and Internet streaming, the DSPX-HD gives you a competitive edge-and builds listenership and revenue-by enabling you to achieve the tailored sound and loudness needed to make your station distinctive.

The DSPX-HD's proprietary bit-rate optimized, look-ahead final limiting is part of a processing core built upon 16 DSPs with a combined power of over 1 giga-MIPS. The four-band gated AGC, four-band program-dependent limiter, along with parametric and shelf bass enhancement, contribute further to keeping your station's sound consistent and artefact free. Proven presets, as well as intuitive local and remote interfaces help you get your DSPX-HD on air fast.

FEATURES

- Dual processing paths enabled for simultaneous FM & Digital processing
- 16 28-bit DSP's Provide over 1 GIGA-MIPS of processing
- Comprehensive BLUE LED audio metering and screen
- Digital and Analogue IO
- Wide and Multi-Band AGC'S with Intelligent Gating
- Multi-Band program dependent Limiting
- Multi-Band look ahead limiting and distortion cancelled clipping
- Back Panel RS232 Control
- Front Panel USB Control
- Lan port for Remote Monitoring and Control
- Real time clock for preset scheduling
- Remote trigger port
- Full Range of User Presets with A/B Switching
- Software Upgradeable

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

Analog output

Analog output	-12 to +24dBu
Connectors	XLR floating,EMI suppressed
D/A conversion	24 bit 48 Khz 128x oversampled

Digital input (AES/EBU)

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

Digital output (AES/EBU)

Sampling rate	32, 44.1, 48 KHz
Connector	XLR floating,EMI suppressed

Digital sync input (AES/EBU)

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

Remote interface

RS232	2 x DB9 (front and rear panel)
Remote	DB9 opto isolated and floating
NET/LAN	RJ45 EMI shielded

Other

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

Amongst the world's most popular audio processor.

Great sound, easy configuration and dual-path operation that enable processing of a single program for both analogue and digital broadcast. The DSPX-FM gives you a competitive edge-and builds listenership and revenue-by enabling you to achieve the tailored sound and loudness needed to make your station distinctive.

bw broadcast

www.bwbroadcast.com