

# DSPXtra HD

## HD Audio Processor



### OVERVIEW

No other digital broadcast processor, at any price, has both a BW Broadcast six-band limiter and an integrated Ariane RMS leveller. In addition, the DSPXtra-HD features BW Broadcast's proprietary bit-rate optimized, look-ahead final limiting to keep your station's sound consist and artefact free.

The DSPXtra-HD harnesses the power of 20 DSPs to give you a competitive edge to build listenership and revenue. The four-band gated AGC, four-band program-dependent limiter, along with parametric and shelf bass enhancement, help you achieve the tailored sound and loudness needed to make your station distinctive. BW Broadcast's proven presets, as well as intuitive local and remote interfaces help you get your DSPXtra-HD on air fast.

### FEATURES

- 20 24-bit DSP's Provide over 1.2 GIGA-MIPS of Processing Power
- Comprehensive BLUE LED audio metering and screen
- Digital and Analogue IO
- Ariane intelligent RMS leveller
- Multi-Band program dependent Limiting
- Multi-Band look ahead limiting and distortion cancelled clipping
- USB front panel interface
- RS232 back panel interface
- TCP/IP Net interface
- Real time clock for preset scheduling
- Remote trigger port
- Full Range of User Presets with A/B Switching
- Security (password) Control
- Software 'FLASH' Upgradable

### SPECIFICATION

<b>Analog input</b>	
Nom. input level	-12 to +12dBu
Max input level	+24dBu
Connectors	XLR floating, EMI suppressed
A/D conversion	24 bit 48 Khz 128x oversampled
<b>Analog output</b>	
Analog output	-12 to +24dBu
Connectors	XLR floating, EMI suppressed
D/A conversion	24 bit 48 Khz 128x oversampled
<b>Digital input (AES/EBU)</b>	
Sampling rate	32-96 KHz
Connector	Connector XLR floating, EMI suppressed
<b>Digital output (AES/EBU)</b>	
Sampling rate	32, 44.1, 48 KHz
Connector	XLR floating, EMI suppressed
<b>Digital sync input (AES/EBU)</b>	
Sampling rate	32-96 KHz
Connector	XLR floating, EMI suppressed
<b>Remote interface</b>	
USB	USB B connector (front panel)
RS232	DB9 (rear panel)
Remote	DB9 opto isolated and floating
NET/LAN	RJ45 EMI shielded
<b>Other</b>	
Power	85-265 VAC 50-60Hz
Size	44mm x 482mm x 200mm
Weight	1.6 Kg

When you need the best to process your digital broadcast services...

...the DSPXtra-HD is your only choice.



bw broadcast

[www.bwbroadcast.com](http://www.bwbroadcast.com)