

The BW range of broadcast processors are proving popular, with thousands sold to customers around the world. From the major US and UK radio networks to the countless independent radio stations, all with one thing in common... **Great sound!**



The comprehensive IO options and the optimised distortion controlling architecture of the AM processors make them suitable for use on analogue AM services. The dual path models also support digital broadcasting mediums including AM, DAB, IBOC, DRM and NET streaming.

The DSPXmini-AM.
A low cost 4 band AM processor for when the budget wont stretch to one of the bigger models

The original DSPX-AM.
With a sound and feature set that the other manufacturers charge twice as much for.

The UK's most popular DAB audio processor!

The DSPXtra-AM.
The result of a collaboration with NYC's TransLanTech sound. The inclusion of TLT's 'double award winning' Ariane levelling concept and a new 6-band limiting / look-ahead structure complete what can only be described as 'one hell of a processor'.

SPECIFICATIONS

PERFORMANCE

Frequency response	<±0.1dB 20Hz - 4KHz-15kHz (500Hz steps)
Distortion	<0.01% THD
Noise	>90dB unweighted
Delay	< 15mS
Internal processing	28 bit processing 48kHz - 768kHz, depending on the processing stage's requirements

ANALOGUE & DIGITAL IO

Analogue inputs	-12 to +24dBu XLR female, floating, EMI suppressed 24 bit D/A 128x oversampled
Analogue outputs	-12 to +24dBu XLR female, floating, EMI suppressed 24 bit D/A 128x oversampled
Digital input	32 - 96kHz XLR female, floating, EMI suppressed
Digital output	-12 to 0dBfs XLR male, floating, EMI suppressed, 32, 44.1, 48kHz, follow input rate, and follow sync input rate
Digital Sync Input	32 - 96kHz XLR female, floating, EMI suppressed

REMOTE CONTROL

Computer control	Rear panel DB9 RS232 Rear panel Ethernet port Front panel USB (not mini)
Preset triggers	8 contact DB9 male

OTHER

Power	Universal input (90-260 VAC) 50-60Hz (15W MAX)
Size	44mm x 482mm x 200mm
Weight	Less than 4 Kg for all models
Warranty	Two years, parts and service, limited.

BW Broadcast Ltd
Unit 4, Tramsheds,
Coomber Way
Croydon CR0 4TQ
UK

Tel: +44 (0)208 683 6780
Fax +44 (0)208 683 6781
info@bwbroadcast.com



www.bwbroadcast.com



AM AUDIO PROCESSORS

Small Processors

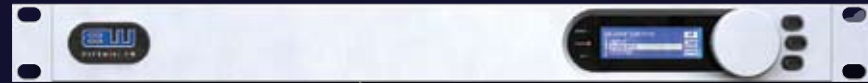
BIG SOUND

The BW range of high performance yet economical audio processors for AM radio broadcasting



DSPXmini-AM

Low cost 4 band AM broadcast processor



- Analogue and Digital (AES/EBU) Inputs
- 4-Band Gated AGC
- 4-Band program dependent Limiting
- Distortion controlled clipping
- RS232 and TCP/IP Net Interfaces for Remote Control
- Real Time Clock for Preset Scheduling
- Preset Trigger Port
- Full Range of User Presets with A/B Switching
- Security (password) Control
- Software 'FLASH' Upgradable

DSPX-AM

4-band AM broadcast processor



- 16 28-bit DSP's Provide over 1 GIGA-MIPS of power
- Comprehensive BLUE LED audio metering and screen
- Analogue and Digital (AES/EBU) IO
- Wide and Multi-Band AGC'S with Intelligent Gating
- Multi-Band program dependent Limiting
- Multi-Band look ahead limiting
- Multi-Band distortion controlled 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
- Software Upgradeable

DSPXtra-AM

6-band AM broadcast processor with 'award winning' integrated Ariane RMS leveller



- 20 24-bit DSP's Provide over 1.2 GIGA-MIPS of power
- Comprehensive BLUE LED audio metering and screen
- Analogue and Digital (AES/EBU) IO
- Ariane intelligent RMS leveller
- Multi-Band program dependent Limiting
- Multi-Band look ahead limiting
- Multi-Band distortion controlled 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