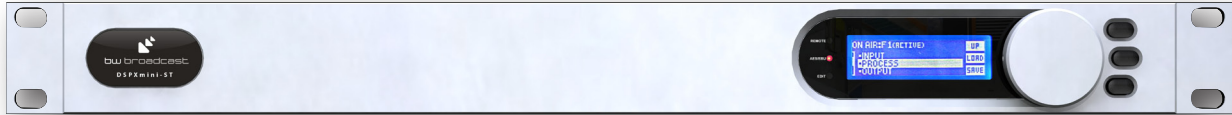


DSPXmini-ST

Low Delay FM Monitoring Processor



OVERVIEW

Modern digital FM audio processing has allowed stations to sound louder and cleaner than ever before, but with one big sacrifice - delay. Whilst your listeners don't notice your talent certainly does when trying to monitor on-air. No presenter or guest likes having to listen to a flat unprocessed feed, and finding an analogue FM processor can be expensive and unreliable. The answer is a low delay processor designed specifically for this purpose.

Thanks to pre/de-emphasis and FM style clipping your talent gets the loud processed signal they are used to but an ultra-low delay of 4ms means no complaints of an echo in their headphones. As with all BW Broadcast processors, the DSPXmini-ST has a real-time clock for preset scheduling, preset A/B switching, graphic LCD display, serial and TCP/IP remote control interfaces, and both analogue and AES/EBU digital inputs.

FEATURES

- Analogue and Digital (AES/EBU) inputs
- Analogue and Digital (AES/EBU) outputs
- Stereo or mono (L+R, L or R) mode selection
- 4-Band Gated AGC
- 4-Band program dependent limiting
- Pre/de-emphasis and FM style clipping
- Ultra-low 4ms latency
- Switchable input fallback with adjustable timer
- RS232 and TCP/IP interfaces for remote control
- Real time clock for preset scheduling
- Preset trigger port
- Security (password) Control
- Software 'FLASH' Upgradable

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 suppress

Remote interface

RS232	DB9
NET/LAN	RJ45 EMI shielded

Other

Processor Latency	4ms
Power	85-265 VAC 50-60Hz
Size	44mm x 482mm x 200mm
Weight	1.6 Kg

The days of talent moaning about echo in their headphones are over.

Get loud processed on-air monitoring without the delay.



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