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

Get loud processed on-air monitoring without the delay.

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**
- Nom. output level: -12 to +24dBu
- Connectors: XLR floating, EMI suppressed
- A/D conversion: 24 bit 48 Khz 128x oversampled

**Digital input (AES/EBU)**
- Sampling rate: 32-48 KHz
- 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
- NET/LAN: RJ45 EMI shielded
- Other: 4ms

**Processor Latency**
- 85-265 VAC 50-60Hz

**Size**
- 44mm x 482mm x 200mm

**Weight**
- 1.6 Kg