

AFS™ 224

Advanced Feedback Suppression

dbx[®]
PROFESSIONAL PRODUCTS

VISIONARY DESIGN

The AFS 224 Advanced Feedback Suppression processor was designed to provide state-of-the-art feedback elimination processing, while maintaining a simple and intuitive control interface. From the powerful DSP module to the no-nonsense user interface, the AFS 224 provides all the processing and control necessary for both installation and live use. The AFS 224 is an absolute must for any live sound application.

REVOLUTIONARY ENGINEERING

Ten and twelve filter feedback elimination processors have become the de facto standard, but the engineering staff at dbx have never been content residing in the neighborhood of the status quo. So, to raise the bar once again, they went out and developed a dedicated feedback suppression processor that offers up to 24 filters per channel with filter Qs up to 1/80 of an octave. To achieve these staggering numbers dbx utilized their patent-pending AFS technology that had previously only been available in the upper echelon line of products and made it available in this stand-alone processor, which takes all of the guesswork out of feedback removal. In addition to the plethora of feedback suppression filters available, the AFS 224 also offers selectable modes, live filter lift, and types of filtration, which are all readily available via the intuitive user interface front panel. For more information please visit: www.dbxpro.com.

FEATURES

- ***dbx's Patent-pending (Advanced Feedback Suppression) AFS™ technology***
- ***24 Programmable Filters per Channel***
- ***Stereo or Dual Independent Channel Processing***
- ***Live and Fixed Filter Modes***
- ***Selectable Filter Lift Times***
- ***Application-specific filter types include: Speech and Music Low, Med and High***
- ***Input Channel Metering***
- ***24 LED per Channel Filter Metering***
- ***XLR and TRS Inputs and Outputs***

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H A Harman International Company



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SPECIFICATIONS

Analog Inputs:

Number of Inputs: 2
Connectors: 2 Female XLR and 1/4" TRS
Type: Electronically balanced/unbalanced, RF filtered
Impedance: Balanced 40k Ω , Unbalanced 20k Ω
Max input line level: +20dBu
CMRR: >40dB, typically >55dB @ 1kHz

Analog Outputs:

Number of Outputs: 2
Connectors: 2 Male XLR and 1/4" TRS
Type: Electronically balanced/unbalanced, RF filtered
Impedance: Balanced >120 Ω , unbalanced >60 Ω
Max Output Level: +20dBu

A/D Performance:

Type: dbx Type IV conversion system
Dynamic Range: >114 dB A-weighted, >112 dB unweighted
Type IV dynamic range: >119 dB, A-weighted, 22kHz BW
>117 dB, A-weighted, 22kHz BW
Sample Rate: 48kHz

D/A Performance:

Dynamic Range: 112 dB A-weighted, 110dB unweighted

System Performance:

Dynamic Range: >110dB A-weighted, >107 dB unweighted
THD+N: 0.002% typical at +4dBu, 1kHz, 0dB input gain
Frequency Response: 20Hz – 20kHz, +/- 0.5dB
Interchannel Crosstalk: >80dB typical
Crosstalk input to output: >80dB
Operating Voltage: 100VAC 50/60Hz, 120VAC 60Hz and 230VAC 50/60Hz
Power Consumption: 10Watts

Safety Agency Approvals:

UL 6500, IEC 60065, EN 55013, E 60065

dbx engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

FOR MORE INFORMATION CONTACT:

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The Professional's Choice In Signal Processing™

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