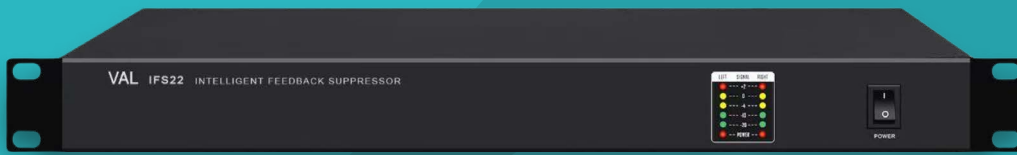


IFS22

Intelligent Feedback Suppressor

VAL audio

Die Liebe zur Musik



OVERVIEW

The VAL Audio IFS22 Intelligent Feedback Suppressor is a next-generation DSP-based solution designed to eliminate acoustic feedback while preserving the natural tonal quality of speech and music. Built with advanced real-time adaptive algorithms, the IFS22 continuously monitors the audio environment, automatically identifying and suppressing problematic frequencies before they can escalate into feedback. This ensures maximum gain before feedback, allowing microphones and loudspeakers to operate at higher sound pressure levels without distortion or instability.

Unlike conventional EQ-based suppression methods, which often compromise overall sound quality, the IFS22 delivers precise notch filtering that targets only the problematic frequencies. This approach maintains the clarity, warmth, and intelligibility of the original audio signal, making it ideal for applications where speech intelligibility and high fidelity are critical.

The unit is optimized for use in modern conference rooms, auditoriums, houses of worship, educational facilities, and multipurpose halls. With dual balanced inputs and outputs, selectable 48V phantom power, and independent gain adjustment, it integrates seamlessly into existing professional audio systems. The rear-panel controls allow quick activation of the Adaptive Feedback Suppression (AFS) mode, while clear LED indicators provide real-time monitoring of power and signal levels.

Housed in a rugged 1U rackmount chassis, the IFS22 combines reliability, flexibility, and performance in a compact design. Its modular architecture allows function scalability according to project requirements, reducing engineering complexity and overall system cost. Whether for speech reinforcement, recording, remote conferencing, or live sound applications, the IFS22 ensures clear, stable, and feedback-free audio in any environment.

KEY FEATURES

- Real-time automatic detection & suppression of feedback
- Preserves natural sound clarity without tonal distortion
- Dual balanced XLR inputs & outputs with gain control
- 48V phantom power for MIC1/MIC2
- Compact 1U rackmount design for easy integration
- Simple rear-panel AFS on/off control with LED indicators
- Ideal for conferences, auditoriums, classrooms & courts

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SPECIFICATIONS

Inputs / Outputs	2 × Balanced XLR Inputs, 2 × Balanced XLR Outputs
Microphone Inputs	MIC1 / MIC2 balanced inputs with 48V phantom power & independent gain adjustment
Control	Rear-panel AFS (Adaptive Feedback Suppression) On/Off switch
Indicators	Power LED, XLR output synchronization level indicator
Working Voltage	AC 180V – 260V / 50Hz
Frequency Response	20Hz – 20kHz
Dynamic Range	> 90dB
Channel Noise	< -90dBu
Sampling Rate	48kHz
Form Factor	1U rackmount chassis
Dimension (WxDxH)	480 x 203 x 47 mm
Net Weight	3.05 Kg