

Digital Feed Back Suppressor

10 x 2 Channel Digital Feed Back Suppressor

Model: VCS-DS-254L



SUMMARY

The intelligent 10 x 2 channel digital feedback suppressor is designed and engineered for modern day conferencing systems & is suitable for conference rooms, churches, mosques & auditorium halls. With built in adaptive filters & smart feedback suppressing technology, it can seamlessly be connected with Vaxden audio & video conferencing systems providing a comprehensive all in one Vaxden solution for efficient modern conference system engineering.

FEATURES

1. A high speed feedback suppressor with 10 microphone inputs & 2 balanced outputs.
2. Each microphone channel has 48V phantom power & gain adjustment.
3. 2 X RCA auxiliary inputs & 2 additional(music) RCA inputs to connect more devices.
4. 2-inch Front panel LCD display & level indicator, showing current operating status & signal levels.

5. One touch switching between direct & feedback on the panel.
6. Improve microphone gains from 4db to 12dB effectively preventing feedbacks and howling.
7. Ultra-wideband circuit technology eliminates pitch distortion; metallic signal tails & effectively suppresses echoes.
8. Digital Modular Frequency Shifting (DMFS) technology provides superior anti howling protection.
9. **Input Channels:** 10 balanced input channels.
10. **Power Supply:** 48V Phantom power on all 10 Channels
11. Eliminates echoes and reverberations when microphone is directed to speaker or touched by hand.
12. Built in DSP to filter the high frequency, while restoring the voice speech clarity.
13. Protects speakers & connected audio equipment from instant high power burns.
14. Digitally adjust high & low frequencies for all input channels.

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SPECIFICATIONS

Model No.	VCS-DS-254L
Input Channels	10 x Balanced input channels.
Outputs	2 x Balanced outputs
Rated Voltage	220V ± 10% @ 50Hz.
Sampling Frequency	>40 KHz
Frequency response(Feedback Suppression)	125Hz-15kHz (speech mode), 20Hz-15kHz (music mode).
TRD (Distortion)	<0.1% @ 1KHz
Signal-to-noise Ratio	> 90 dB
Signal Delay	7ms (music), 11ms (speech)
Frequency Response <i>*(including direct mode frequencies)</i>	20Hz-20kHz (+0/-1dB, 1W/8Ω)
Microphone Compatibility	L is compatible with all microphones
Frequency Hop shift values	Hz-4
Balanced)XLR(Input Impedance	70K Ω
Music Input Impedance	11K Ω
Balanced XLR output impedance	1 K Ω
Line output Impedance	1.5 K Ω
Balanced)XLR(Input Sensitivity	-25db -50db