

Digital 8x8 Digital Media Matrix & Suppressor

8x8 Audio Matrix & Feed Back Suppressor Controller

Model: VCS-DM-8800



SUMMARY

• The VCS-DM-8800 is a helpful signal processor to set up a high level digital audio video conference system. Ideal to eliminate echo & noise when microphone is directed to speaker. The VCS-DM-8800 is a feedback suppression system, ideal to be used in conference rooms, class rooms & rooms where high sensitivity microphones are being used. The intelligent VCS-DM-8800 comprises of built in DSP to filter high frequency while maintaining voice speech signal. Compatible with all microphone types, the VCS-DM-8800 effectively improves microphone gain from a range of 5 dB till 16dB.

FEATURES

1. **Acoustic Echo Cancellation:** The VCS-DM-8800 has built in AEC algorithm with 512ms tail length, which ensures crystal clear audio video conferencing by eliminating echo and feedback in real time.
2. **Echo Cancellation:** Achieves up to 60 dB echo suppression, providing crystal-clear, echo-free audio for professional meetings and conferences in unstable situations
3. **Automatic Noise Compensation:** Automatically adapts to changing ambient noise levels, ensuring consistent and clear audio output in any environment
4. **Automatic Feedback Suppression:** Intelligently detects and suppresses feedback in real-time, delivering smooth, uninterrupted sound quality.
5. **Notch Filter Algorithm:** Employs an intelligent notch-filter algorithm to precisely remove unwanted frequencies, eliminating hums and feedback without affecting audio quality;
6. **Mic Gain Improvement:** Electronically improves microphones gain from a range of 5 dB- 16 dB.
7. **Automatic Gain Control:** Automatically balances multiple microphone inputs, delivering smooth and natural audio without manual adjustments.
8. **Gated Automatic Mixing:** Activates microphones only when speech is detected, reducing background noise and ensuring focused, clear sound.
9. **Ducker Function:** Automatically lowers background music or secondary audio when speech is detected, ensuring the speaker's voice is always clear and prominent.
10. **Input Channel:** 8 Microphone input channels (balanced/unbalanced).
11. **Output Channel :** 8 Microphone output channel (balanced/ unbalanced)
12. **Phantom Power :** Built in 48V phantom power input +48V/10 Ma(max)

Digital 8x8 Digital Media Matrix & Suppressor

8x8 Audio Matrix & Feed Back Suppressor Controller

Model: VCS-DM-8800

SPECIFICATIONS

| | |
|----------------------------------|---|
| Model No. | VCS-DM-8800 |
| Power supply | AC 110V-220V/50Hz |
| Microphone Input | 8- Channels |
| Microphone Output | 8- Channels |
| Input Impedance | 5.4Ω (Balanced/unbalanced) |
| Output Impedance | 600Ω (Balanced/unbalanced) |
| Input Dynamic Range | 110 Db |
| Output Dynamic Range | 112Db |
| Channel Linking / Grouping | Supported |
| Cross Talk Rejection | 108Db@ 1KHz |
| Sampling Rate | 48 KHz ±100ppm, 24bit |
| Frequency Response | 20 Hz- 20KHz ±0.15 dB |
| Total Harmonic Distortion | <-94Db @+17 dBu |
| Input Gain | 16 steps, 3db /step) 0/3/6/9/12/15/18/21/24/27/30/33/36 |
| Input EQ | 12-band parametric EQ |
| Output EQ | 12-band PEQ, 31-band GEQ |
| Cross over delay limiter | Yes |
| Microphone Gain | 5 to 16 dB |
| Phantom Power | +48V/10 Ma(max) |
| Color | Black |
| Dimension | 482x260x45mm |