



**Not hearing is believing**



**CEDAR**



It's all very hush hush

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**CEDDAR**



**HUSH  
HUSH**

**CEDAR Audio announces the DNS1000 Dynamic Noise Suppressor - the world's most effective digital noise suppression system designed specifically for film production, dubbing, OB, and studio noise suppression.**

- The DNS1000 is the first digital noise suppression system of its type in the world
- The DNS1000 has less than 10 samples latency so there is no loss of lip sync

If you work with dialogue, the speed, flexibility, and ease of use of the DNS1000 provides solutions to audio problems that you could not previously solve. Furthermore, the DNS1000's near-zero latency means that you do not need to slip the audio against time-code, making it possible to use the DNS1000 in real-time on the dubbing stage. For location sound engineers (who do not have the luxury of random access to the material) the near-zero latency means that the DNS1000 is simple to use with video, and removes the need for a video frame store.

**The Background to the DNS1000**

Noise is all around us: traffic, aircraft, the noise inside vehicles, air conditioning, wind, rain and other water noises, the noise from domestic appliances and even excessive reverberation. It annoys people, and it can render many recordings unusable. So noise suppression techniques are used to clean up noisy dialogue for film production, suppress ambient noise for live TV and radio broadcasting, re-

input and the filtering effect. Gates have no effect when the desired signal is present and lead to unnatural gaps in the signal. Other 'dynamics' processes generate pumping, distortion, and other unnatural effects, and encode/decode processes, when used in this way, simply act as dynamics processors.

**SPECIFICATIONS**

**General**

**Power supply: 85-260VAC; 50-60Hz**

**Power consumption: 20W**

**Overall dimensions: 70 x 230 x 285 mm**

**Weight: 2.1kg (net); 3kg (gross)**



- 24-bit I/O and dual 40-bit f/p DSPs offer better audio quality, control and selectivity than analogue systems
- Low, mid, and high frequency ranges allow you to tune the process to the type of noise
- You can combine ranges for wide-band processing when needed
- The DNS1000 is self-contained, so it requires no external racks of equipment
- The DNS1000 boasts a very fast and intuitive user interface

Furthermore, the combination of low latency and 24-bit fidelity means that you can leave the DNS1000 permanently in the signal chain without fear of signal degradation.

And in the audio forensic laboratory, the DNS1000 can remove motor noise from small covert recorders, eliminate electrical interference, and help to clean up recordings suffering from unfavourable acoustics and poor microphone locations.

talise sound effects libraries, and enhance speech for forensic audio investigations.

Until now, you were forced to use processes such as low-pass and other filters, noise gates, dynamics processes, or processes developed from analogue encode/decode noise reduction systems. These often proved inadequate. Filtering is not selective about what it removes, and there is no relationship between the

So how can you remove the rumble, the hiss, the whistles, the broadband noise and the "shot" noise from contaminated sounds? The answer is the CEDAR DNS1000.

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**Audio**

**I/O type: Digital PCM**

**Sample rates: 32, 44.1, 48 kHz**

**I/O resolution: 24 bits**

**Varispeed: approx. ±4%**

**Data formats: SPDIF or AES/EBU**

**Processors: 120 Mflops**

**Latency: <10 samples**

**Process resolution: 40 bits**

*The Company reserves the right to change specifications without notice. E&OE.*