CEDAR
It's all very

CEDAR

dns

dialogue noise suppression

CEDAR
www.cedaraudio.com

Headquarters: CEDAR Audio Ltd, 20 Home End, Fulbourn, Cambridge, CB21 5BS, UK Tel: +44 1223 881771 Fax: +44 1223 881778 Email: sales@cedaraudio.com

Hush
Hush

CEDAR dns

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

Until CEDAR's DNS technology was developed, 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 were often inadequate, so how can you now remove the rumble, general background, whistles, and camera noise from contaminated audio?

The answer is CEDAR DNS.

Academy Award® winning technology

The CEDAR DNS1000 was the most successful product of its type ever manufactured, and was used by TV, film and post studios worldwide. It made unusable interviews intelligible, saved huge costs in ADR, and rescued dialogue for movies such as The Lord Of The Rings, Spiderman, and countless others.

In February 2005, the ©Academy of Motion Picture Arts and Sciences® honoured CEDAR's Engineering Directors, Dr Christopher Hicks and Mr Dave Betts, with Technical Achievement Awards for the design and implementation of the CEDAR DNS1000.

CEDAR's DNS processors

CEDAR's near-zero latency Dialogue Noise Suppression (DNS) technology has become the standard for removing background noise from dialogue.

It is perfect for use on the dubbing stage because you do not need to slip the audio against time-code, and is also ideal for live sound applications where the combination of near-zero latency and 24-bit fidelity means that you can leave units permanently in the signal chain without fear of audio degradation.

DNS processors are also valuable tools in audio forensic investigation. In the laboratory, they can remove motor noise from covert recorders, eliminate electrical interference, and help to clean up recordings suffering from unfavourable acoustics and poor microphone locations. In the field, they can suppress noise in real-time, helping to make surveillance less tiring as well as aiding listening accuracy.

DNS1500™ - quick, simple and effective

Used worldwide in newsrooms and for live broadcast as well as in post production, the DNS1500 updates the style, design and performance of the original, award-winning DNS1000. With an updated chassis and more powerful processors, it couples the perfect ergonomics of its predecessor with improved 2-channel performance and up to 96kHz capabilities for increased compatibility in today's audio environments.

DNS3000™ - scenes, automation, and more

Ideal for use in film, TV and video post-production, the DNS3000 is the latest and most powerful of CEDAR's DNS hardware units, combining all the benefits of the DNS1500 with additional features such as on-board scenes, a simple and intuitive recall system, automation to LTC timecode, and moving faders. In addition to studio work, this makes the DNS3000 ideal for moving between environments, where setups can be recalled instantly at the touch of a button.

DNS CS - Pro Tools™ integration

Supplied with every DNS3000, the DNS CS Control System is a plug-in for Pro Tools running on both the Mac and PC. It allows you to control every aspect of the DNS3000 from within Pro Tools, and provides full integration with the Pro Tools automation system and hardware control surfaces.

CEDAR Surveillance Systems

Based upon the DNS1500 and DNS3000, the CSS1500 and CSS3000 are configured for audio surveillance, allowing field operatives to plug in and start listening even if they have miminal experience with professional audio equipment.

Also ideal for aiding in the transcription of noisy audio recordings, all CSS systems include anlogue-to-digital and digital-to-analogue converters as well as 6-channel digital headphone distribution amplifiers. They are supplied in their own rugged cases complete with high quality headphones and all cables ready for use.

DNS Specification

Sample rate
44.1kHz - 96kHz

I/O wordlength
24-bit

I/O format
Ditgital AES/EBU & SPDIF

Internal wordlength
40-bit

Latency
<10 samples

Universal power supply
85-250VAC, 50-60 Hz
auto-selecting

Dimensions (DNS)
80 x 225 x 280 mm

Weight (DNS)
Approx 3kg gross

DNS 3000 only:

Automation
On board: snapshot
Using DNS CS: dynamic

On-board memories
100 user-definable presets

Timecode interface
LTC

Pro Tools interfacing
Software: DNS CS
Hardware: Ethernet