

CLEAR SOUND DMP-4 Body-Worn Noise Reduction System



FEATURES

- Incorporates advanced signal processing algorithms
- Automatic noise suppression level
- No operator adjustments required
- Excellent speech recovery from near-unusable signals
- Excellent noise cancellation up to 20dB
- Easily fitted into a body-wire transmitter or covert recorder harness
- Compact & light weight
- Totally automatic in operation

APPLICATIONS

- Covert surveillance using hard-wired microphones
- Officer safety situations using body-wire mics
- Removal of background noise from speech on continuous and adaptive basis
- Cancel TV/radio noise
- Rapid deployment
- Close protection monitoring
- Suited for use in SWAT & tactical task forces



ClearSound DMP-4 is a compact unit particularly suitable for body-worn and mobile surveillance applications. Simply plug the DMP-4 between a microphone and recorder or between a microphone and wireless transmitter and let ClearSound do the rest.

Any covert application using hard-wired microphones or wireless transmitters will have the effects of background and inherent microphone path noise drastically reduced in real-time, making for greater speech clarity in demanding situations.

No operator adjustments are required as the software “learns” the structure of the audio signal on a real-time basis. The necessary corrections to the signal are then applied automatically so as to produce the best possible signal-to-noise ratio.

Due to its tiny size the DMP-4 can be easily concealed with a microphone or transmitter making it an indispensable intelligence gathering tool for nearly every scenario.

TECHNOLOGY

The DMP-4 incorporates advanced signal processing algorithms, which are specifically designed for the removal of background noise from speech on a continuous and adaptive basis. This technology enables the recovery of voice audio that is clear and intelligible from signals that are, in many cases, unusable. ■

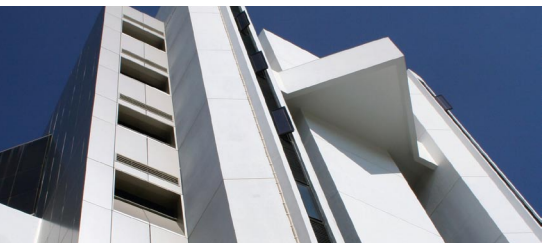
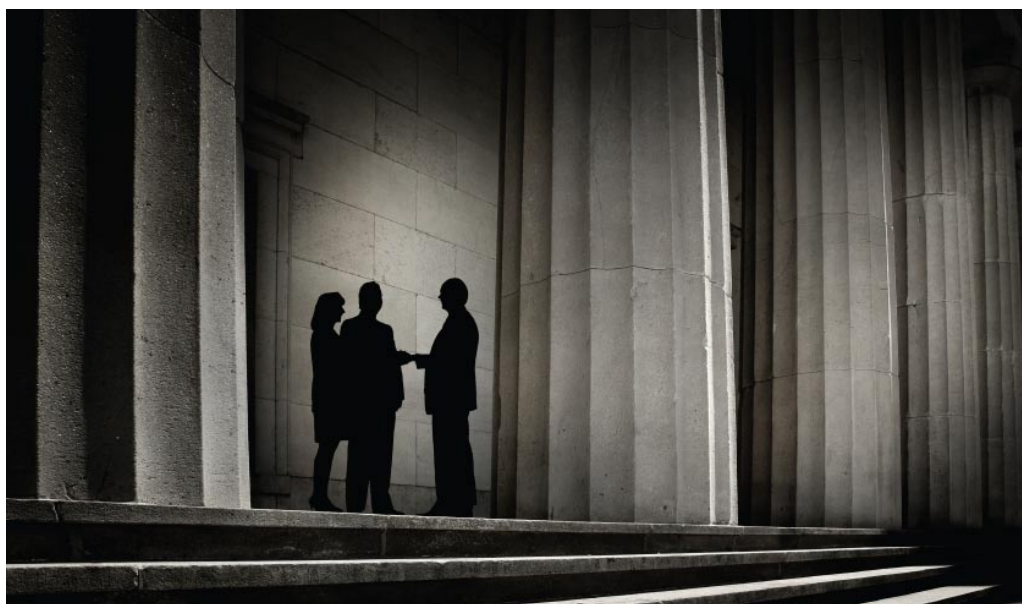
TECHNICAL SPECIFICATIONS

Dimensions	68 x 55 x 10mm
Housing	Shrink Wrap
Weight	Approx 40gm incl. cables/connectors
Power	6-15 VDC, 9V battery connector supplied as standard
Operation Time	8-10 hrs 9V battery @ 45mA drain
Mic. Input	3.5mm mini jack or Phono, biased @ +3 VDC
Mic. Output	3.5mm mini jack or Phono
Input/Output Impedance	1000 ohms
Noise Cancellation Characteristics	
White Noise Reduction	Up to 20dB
Single Tone Reduction	Up to 40dB
Bandwidth	250 - 4000Hz (3dB tolerance) 50Hz - 10kHz (with slight increase in aliasing tones)
Path Delay	31msec

PRODUCT CODES

CLEAR SOUND DMP-4 Body-Worn Noise Reduction - Full Systems

3-299-681 DMP-4 slim-line noise reduction unit, shrink wrap, with output lead & power lead, unit will power normal covert surveillance mics, 6-15 VDC (at time of order please specify 3.5mm mini jack or Phono connectors)



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