

# CLEAR SOUND DMP-3 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
- Adjustable Gain 0 - 40dB
- Compact & light weight
- Totally automatic in operation



## Applications

- Covert surveillance using hard-wired microphones
- Covert vehicle applications and hands-free kits
- 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-3 is an advanced digital signal processing unit designed for the real-time reduction of various forms of noise on microphone signals, particularly suited for fixed and mobile surveillance applications. Simply plug the DMP-3 between a microphone and recorder or between a microphone and wireless transmitter and let ClearSound do the rest.

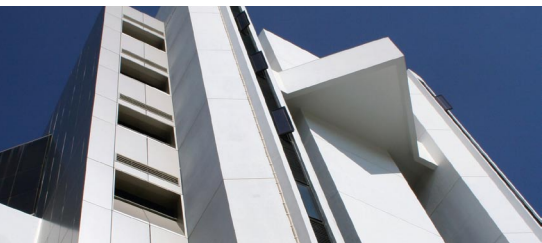
Any covert application using hard-wired microphones or wireless transmitters will have the effects of background and inherent microphone path noise drastically reduced in real-time, making for greater speech clarity in demanding situations.

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.

In covert vehicle applications and hands-free kits the DMP-3 will remove up to 95% of background road, tyre, wind, engine and traffic noise.

## Technology

The DMP-3 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

<b>White noise reduction</b>	Up to 20dB
<b>Single tone reduction</b>	Up to 40dB
<b>Bandwidth</b>	250 - 4000Hz (3dB tolerance) 50Hz - 10kHz (with slight increase in aliasing tones)
<b>Path delay</b>	31msec
<b>Gain</b>	Adjustable 0 - 40dB
<b>Input/output impedance</b>	1000ohms
<b>Mic. input</b>	3.5mm mini jack or Phono, biased @ +3V DC
<b>Mic. output</b>	3.5mm mini jack or Phono
<b>Operation time</b>	8 - 10 hrs 9V battery @ 45mA drain
<b>Power</b>	Internal 9V PP3 style battery
<b>Housing</b>	High impact ABS case
<b>Dimensions</b>	110 x 65 x 28mm
<b>Weight</b>	85gm (125gm incl. battery)

## Product Codes

### CLEAR SOUND DMP-3 Noise Reduction - Full System

3-299-680

DMP-3 portable noise reduction unit with internal battery, output lead & carrying case



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