

# CLEAR SOUND

## DMP-5 Noise Reduction System



### Features

- Advanced, hardware-based adaptive noise reduction DSP
- Switchable noise reduction levels from 0 to 20dB
- Use with any microphone, recording or transmitting device
- Gain and volume level controls for both input and output signals
- Real-time speech enhancement with minimum residual artifacts
- Battery operation
- Supplied with test ECM microphone and ANC headphones
- Pushbutton adaptive noise reduction with latency of only 10msecs



### Applications

- Covert surveillance using hard-wired microphones
- Filter out common ambient noise, background noise removal
- Field deployable system, live listening post
- Belt-mount portable operation
- Existing video/audio systems
- Noisy or reverberant spaces
- SWAT, tactical task forces

DMP-5 Background Noise Removal Unit



ClearSound DMP-5 brings ultimate hardware performance to enhance speech in real-time monitoring. The DMP-5 enables pushbutton adaptive noise reduction up to 20dB, with latency of only 10msecs.

Use the DMP-5 with any microphone to instantly filter out common ambient noise, such as street traffic, train, plane or helicopter backgrounds, air-conditioning noise, as well as the dynamically changing noises found in public spaces.

Compact and wearable, the DMP-5 provides switchable microphone and line inputs with adjustable gain control; headphone and line outputs with adjustable volume control; and an optimal input signal LED indicator.

The DMP-5 is supplied with high-quality ANC headphones, "test" ECM microphone, line-in cable, soft pouch with belt-mount hook and carrying case.

## Technology

The advanced DSP is modelled for human speech and hearing, providing very high quality signal restoration while eliminating common processing artifacts, like ringing or musical noise - even in low amplitude situations. ■

## Technical Specifications

Noise reduction filters	0, 6, 14, 20dB in switchable steps
Sampling frequency	16kHz
Latency	10msec
ADC resolution	16bit
Bandwidth	200 - 8000Hz
Power consumption	6-15V DC, 9V battery, < 80mA
Audio input connector	Ø 3.5mm
Audio output connector	Ø 3.5mm
Dimensions (LxWxH)	92 x 57 x 23mm
Weight	100g with battery

## Product Codes

### CLEAR SOUND DMP-5 Noise Reduction - Full Systems

**3-299-682** DMP-5 portable noise reduction unit with internal battery, output lead, test EMC microphone, ANC headphones, pouch with belt-mount hook and carrying case.

**3-299-683** DMP-5 portable noise reduction unit with internal battery

### Plug-and-Play Operation



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