

# ADSP<sup>2</sup> NOISE REDUCTION

## Click. Click. Clear.

ADSP<sup>2</sup> is an affordable solution that delivers top of the line noise reduction for today's crowded, noisy bands.

The ADSP<sup>2</sup> speaker provides 2 levels of noise reduction and three proprietary bandpass filters with easy one-click operation.

It's simple to install - just supply 12VDC and connect it to your speaker jack. It's simple to use - just click the push button to select your level of noise reduction and filtration. You can switch equipment and locations easily with this stand alone ADSP<sup>2</sup> unit.



**ADSP<sup>2</sup> Speaker**  
Cat. # 70-14

SGC's ADSP<sup>2</sup> noise reduction is also available as a PCB which can be integrated into any transceiver and comes in a high and low power version.

### Speaker

#### General

Size (inches): 3L x 5W x 2.5H  
Weight: 11 oz.  
Noise Reduction: x 1= 13dB, x 2= 26dB  
Time Delay: x 1= 6.5ms, x 2= 13ms  
Tone Rejection: x 1= -50dB, x 2= -65dB

#### Audio Limits

Min Input: 100mV RMS  
Max Output: 5V RMS  
Power Output: 5W RMS  
Out of Band Rejection: -45dB

#### Current Consumption

Idle: 110mA  
Full Out: 500mA

#### Filters

Voice: 300-2100Hz  
CW Wide: 400-900Hz  
CW Narrow: 600-700Hz

### Boards

#### General

Size: Lo(1.7 x 1.5), Hi(2.7 x 1.5) inches  
Weight: Lo(.6 oz.), Hi (1.1 oz.)  
Noise Reduction: x 1= 13dB, x 2= 26dB  
Time Delay: x 1= 6.5ms, x 2= 13ms  
Tone Rejection: x 1= -50dB, x 2= -65dB

#### Audio Limits

Min Input: Lo(10mV RMS), Hi(100mV RMS)  
Max Output: Lo(150mV RMS), Hi(5V RMS)  
Power Output: Lo(0), Hi(5W RMS)  
Out of Band Rejection: -45dB

#### Current Consumption

Idle: Lo(80mA), Hi(110mA)  
Full Out: Lo(80mA), Hi(500mA)

#### Filters

Voice: 300-2100Hz  
CW Wide: 400-900Hz  
CW Narrow: 600-700Hz