

SoundZone

Audio Processing Hearing Aid



www.telstar-electronics.com

Do you have trouble carrying on a conversation because you're unable to understand the other person?

Do you have difficulty following TV programs because it seems like they're mumbling?

These may be signs of hearing loss...

SoundZone is a body-worn hearing aid specifically designed to improve speech recognition for people with mild to moderately-severe hearing loss.

SoundZone works by selectively boosting voice-band frequencies, allowing you to focus on the conversation while minimizing distracting sounds.

SoundZone also incorporates an automatic gain control that instantly reduces extremely loud sounds, to maintain a comfortable listening level.

- Active-Filtering Optimizes Speech & Eliminates Feedback / Squealing
- Fast-Acting Limiter Reduces Extremely Loud Sounds to a Comfortable Level
- Extremely Low Harmonic Distortion
- Volume Control
- Power & Low Battery Indicators
- Compact Surface-Mount Technology
- Premium Earphones Included
- Uses Standard 9V Battery
- Reverse Polarity Protected
- Premium Components for Exceptional Reliability

Electrical Specifications:

Parameter	Level	Notes
Frequency Bandwidth	500-2000Hz	3dB Bandwidth
Band Pass Filter	6dB-Octave / 20dB-Decade	Attenuation
Limiter Response Time	1mS	Typical
Headphone Impedance	16-Ohms	Each Channel
Low Battery Warning Activate	5.4V	+/- 50mV
Microphone	Condenser	Omni-Directional
Battery Life	>60 Hours	Continuous Operation
Audio Type	Monaural	Analog
Output Power	120dB	Maximum Volume
Harmonic Distortion	<0.3%	90dB Level
Power Source	9V Battery	Alkaline

SoundZone has an implied warranty to be free of defects in materials and workmanship for a period of 90 days from purchase. This warranty covers workmanship, parts, and labor. If it's determined that the module has been used for a purpose other than intended, abused, or altered in any way, the warranty shall be void. Specifications subject to change without notice. All Telstar products are designed and manufactured in the United States.

SoundZone Revision B
Last revised 1/18/2009