



YOUR SOURCE FOR
AUDIO
SOLUTIONS

YOUR AUDIO SOURCE

EARLY WARNING AND LIFE SAFETY
LOUDSPEAKER SOLUTIONS

HIGH SENSITIVITY AND SNR MICROPHONES | HIGH TEMPERATURE | HIGH OUTPUT SPL | LOW PROFILE OPTIONS
SMALL FOOTPRINT | LOW FO | WATER RESISTANT | ROBUST ENCLOSURE DESIGN | LOW DISTORTION

EXPERIENCE

Whether you're developing a fire alarm, respiratory mask or other safety application, we have the audio solution for your project.

Stetron supplies Audio Solutions for a wide range of applications.

QUALITY

Stetron understands the need for a quality audio solution in a safety application.

All of our components are **extensively tested** in controlled and clean environments to ensure the quality of our product.

DESIGN

Equipped with the right tools and software for every step of the process, Stetron can create a custom, high-performing loudspeaker from your checklist of acoustic needs and design parameters. We understand Audio. You can trust Stetron Audio Engineers to help you select the right product for your application.

The entire design process is transparent and collaborative, enabling our clients—no matter their audio experience—to fully comprehend the final design and its technology.

INTEGRATED AUDIO SOLUTIONS

Stetron's Audio Engineering Team is highly experienced in finding Audio solutions that fit your needs. We can help you select the right product for your application. Whether a stand alone driver or an integrated solution that is ported, sealed, or uses a passive radiator, we will work with you to find the ideal solution for your application.

TEST AND MEASUREMENTS

We take our promise to high audio performance seriously. That's why all our factories are fully-equipped with an anechoic chamber to accurately measure and test your component and product before deployment. Using a combination of tools, 100% of the acoustic testing is done in-house, facilitating quick changes and solutions to every design. The capacity to capture pure measurements in a controlled and clean environment is imperative to the quality that we offer.

In order to continuously validate our testing and data, we utilize a full correlation exercise every quarter between the factory measurement systems and environment. This allows us to be confident in all our acoustic data at every facility, factory, and lab.

OUR CORE COMPONENTS



Speakers



Microphones



Dynamic Receivers



Integrated Audio Solutions

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FIRE AND SAFETY



Smoke Alarm and Evacuation Speakers

Stetron supplies various speakers for life safety applications including fire and evacuation alarms.

- ▶ Complies with UL/ULC performance requirements as:
 - UL1480/ULC-S541
 - UL 217
 - UL464/ULC-S525
- ▶ Water resistant
- ▶ High SPL
- ▶ Very low Fo
- ▶ Suitable for Indoor and Outdoor Applications
- ▶ Flat Response
- ▶ Low Distortion
- ▶ 520Hz options for low frequency alarms

Two-Way Radios

Stetron supplies speakers and microphones for use in Two-Ray Radios.

- ▶ Very low profile
- ▶ Low THD
- ▶ High output SPL
- ▶ Water resistant
- ▶ High power handling capability
- ▶ Low Fo
- ▶ High temperature
- ▶ Complies with NFPA 1802 requirements



SCBA / HIGH AMBIENT NOISE APPLICATIONS

Stetron supplies speakers and microphones for communications in harsh or hazardous environments.

- ▶ High Temperature per NFPA
- ▶ Waterproof
- ▶ Low Distortion
- ▶ High SPL Output (Speakers)
- ▶ High SPL Input (Microphones)
- ▶ High SNR (Microphones)



We can customize any component to your custom specifications.

Speakers for Self Contained Breathing Apparatus:

- ▶ Waterproof
- ▶ High SPL
- ▶ Low Profile



For over 50 years, Stetron Audio Engineers have worked with customers to optimize Audio performance to achieve clear, loud sound output.

Our value added services include:

- ▶ Application Engineering
- ▶ Acoustic performance simulation
- ▶ Enclosure design and prototyping
- ▶ Fully equipped audio lab with anechoic chamber
- ▶ Stetron supplies a full line of Audio Components that meet demanding reliability and environmental requirements

AUDIO ENGINEERING SERVICES

LAB FACILITIES

- ▶ Anechoic Chamber
- ▶ Standard IEC268-5 Baffle
- ▶ B&K Artificial Ears and HATS
- ▶ Klippel, Clio and SoundCheck Audio Measurement System

DESIGN SUPPORT

- ▶ Customized acoustic component design
- ▶ Component and System Simulation
- ▶ "Fast to Market" Project Optimization
 - CNC samples - Component
 - SLA, CNC, 3D capabilities
- ▶ Benchmark product investigation & comparison

STANDARD SERVICES

- ▶ Acoustic component recommendation
- ▶ Component performance verification
- ▶ Component prototyping support

Whether your application calls for the right Loudspeaker, Microphone, Dynamic Receiver or a Full Box Solution, we have the **experience and knowledge** to support you from concept through to production.

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