

A-Series

LOUD SPEAKERS



*Sound Quality,
Inside and Out.*

BOGEN®



A-Series

The Ultimate Pairing of Performance and Durability

Bogen's A-Series Loudspeakers set the standard for smooth, accurate sound, attractive appearance and rugged construction. Designed to perform beautifully under the toughest conditions, the A-Series combines outstanding industrial design with unique speaker technologies for unsurpassed audio quality and weatherproof durability.

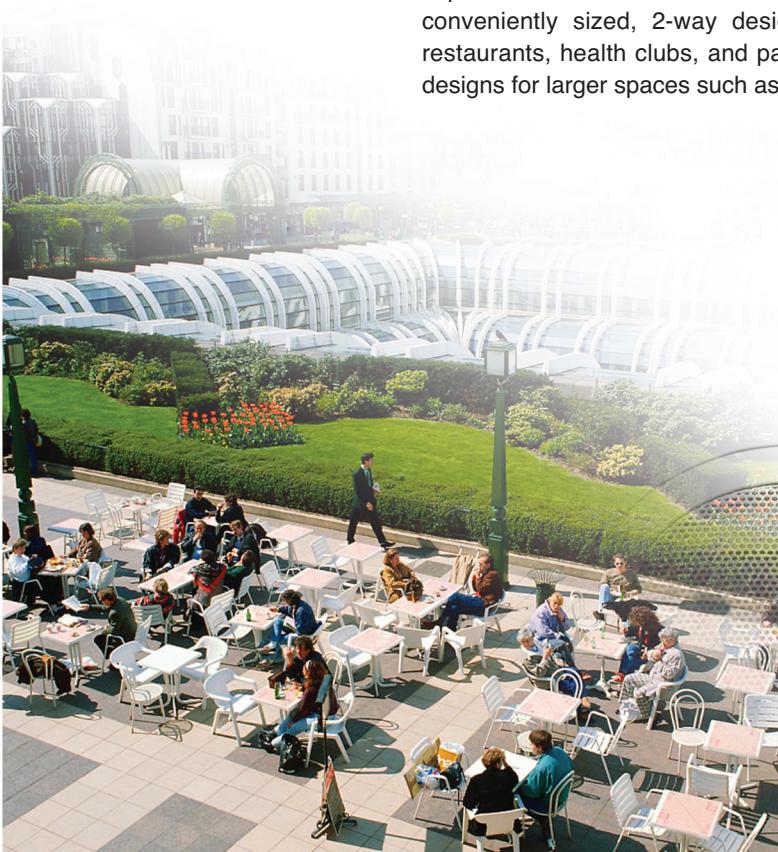
Sound Design, Through and Through

Form follows function in the A-Series. Its rounded ends and unique side corrugations give the speakers their characteristic "armadillo" look and are designed to reduce cabinet resonance and improve sound quality.

The dense, molded speaker cabinets are made from a unique, UV-inhibited mineral-filled polypropylene, making them extremely durable and giving them excellent acoustic properties. All mounting hardware is rust-proof ... from the ergonomic, over-sized mounting knobs to the heavy-gauge aluminum or stainless steel brackets, which are powder-coated to resist chipping and scratching. So, whether you need an A-Series speaker for a frosty ski slope or basking in the sun with salt spray seaside, you can count on it to look good and sound great!

3 Model Choices To Meet Your Needs

Attractively styled, each model is engineered for both indoor and outdoor applications. The compact A2 models are designed for smaller spaces. Their high audio intelligibility and superb articulation make them ideal for music or paging applications. The A6 models are conveniently sized, 2-way designs with high-power handling for applications such as restaurants, health clubs, and patio and pool areas. The A8 models are high-output 2-way designs for larger spaces such as clubs, auditoriums, and theme parks.



What Makes Bogen's A-Series Speakers So Unique?



1 Advanced Rubber Compound

Advanced rubber cone surrounds are comprised of the most technically advanced materials available. The rubber compound is not only unaffected by UV rays, it will also withstand salt spray assaults, constant dousing with water, and even exposure to harsh chemical environments such as chlorine. Excellent damping characteristics provide smooth, highly-detailed sound.

2 Metal Diaphragm Technology

Special MDT (Metal Diaphragm Technology) metal-alloy speaker cones are light, yet rigid, which allows them to produce natural sound with ultra-low distortion. Here is a brief summary of MDT benefits:

- High rigidity and low mass of metal cone as opposed to traditional papers and plastics
- Large metal cone area assists in cooling voice coil under long-term, high-power situations
- Special anodizing process creates a ceramic coating for increased stiffness
- Extremely durable cone structure over long periods of time

3 Magnetic Liquid Suspension

Unique MLS (Magnetic Liquid Suspension) technology uses a magnetic ferrofluid and the speaker's own magnetic field to precisely center the voice coil in the magnet gap and eliminates the distortion-causing voice coil spider found in conventional speakers. In fact, the louder it plays, the more accurate the centering force becomes. Here is a brief summary of MLS benefits:

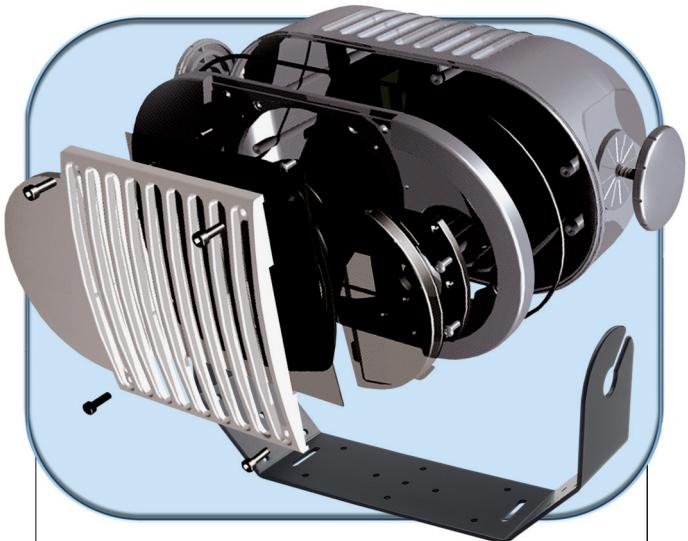
- The voice coil is constantly centered as it moves up and down, for lower distortion
- Constant ferrofluid lubrication of the gap seals the opening and prevents oxidation in the toughest conditions
- Magnetic fluid transfers heat away from the voice coil to the basket and magnet, keeping the moving parts cool at high operating levels
- Longer excursions with smaller diameter woofers provide the speaker with greater bass response
- Distortion is further reduced at high output levels through use of a dual-layer voice coil with separate inner and outer windings
- Greater linearity is accomplished because the mechanical spider is eliminated for more precise sound

4 Cast Aluminum Basket

The cast aluminum basket is rigid, lightweight, and rust-proof.

5 Sealed Magnet

A proprietary ferrofluid used in the speaker effectively seals the magnet gap and voice coil against moisture and corrosion, assuring long life under the most difficult of environmental conditions.



Form follows Function

Dense wall, mineral-filled polypropylene cabinet is impervious to the effects of weather and sonically dead. The A-Series' unique "Armadillo ribs" provide rigidity to the straight wall sections while hemispherical ends are naturally rigid. Together they provide a stiff but acoustically damped cabinet.

Mounting Brackets

Installing A-Series speakers is quick and easy with the A-Series' unique mounting brackets. The speakers are designed to slide into the slots in the brackets, with knobs attached. Plus, the knobs are oversized for easier grip and better control during installation while standing on a ladder.

Connections

Gold-plated connectors ensure high-quality sound and durability. Rust-resistant hardware protects A-Series speakers from the rigors of nature... making them an ideal choice for almost any outdoor environment.



ASTB4: A-Series Speaker Terminal Boot

The A-Series Terminal Boot is designed to shed water and to offer added protection against the effects of weather on wires and connections made to the speakers. (Accessory; sold separately)

Available Models

Bogen's A-Series Loudspeakers are available in two colors: black or white. Each speaker comes with a unique mounting bracket. **A2**, **A6**, and **A8** models are designed for use with 8-ohm systems; **A2T**, **A6T**, and **A8T** models are available with a multi-tap transformer for 70V systems. All models feature low-frequency drivers incorporating MDT metal-alloy cones and MLS spiderless suspension technologies. These speaker assemblies are designed to be impervious to heat, cold, rain, moisture, and salt spray. All the hardware materials are extremely weather-resistant.

Speaker Features	Frequency Response/ Sensitivity/Dispersion	Dimensions/ Weight
 <p>A2, A2T</p> <p>Power handling: A2 (8 ohms): 100W A2T (70V): 16W/8W/4W</p> <p>Coaxial system</p> <p>6" metal alloy hard anodized woofer</p> <p>1/2" polycarbonate tweeter</p> <p>Powder-coated aluminum mounting bracket</p>	<p>Frequency response: 58 Hz-17 kHz (-10 dB)</p> <p>Sensitivity (1W/1m): 88 dBspl*</p> <p>Dispersion: Horizontal: 80° Vertical: 80°</p>	<p>Dimensions: 9" W x 8" dia. X 8-1/4" D</p> <p>Product Weight: A2: 8 lb.; A2T: 10 lb.</p> 
 <p>A6, A6T</p> <p>Power handling: A6 (8 ohms): 150W A6T (70V): 32W/16W/8W</p> <p>2-way system</p> <p>6" metal alloy hard anodized woofer</p> <p>1-1/8" pure titanium low diffraction inverted tweeter</p> <p>Powder-coated aluminum mounting bracket</p>	<p>Frequency response: 55 Hz-17 kHz (-10 dB)</p> <p>Sensitivity (1W/1m): 89 dBspl*</p> <p>Dispersion: Horizontal: 110° Vertical: 45° (Up), 35° (Down)</p>	<p>Dimensions: 13-7/8" W X 7-1/8" H X 7-3/4" D</p> <p>Product Weight: A6: 11 lb.; A6T: 12 lb.</p> 
 <p>A8, A8T</p> <p>Power handling: A8 (8 ohms): 175W A8T (70V): 64W/32W/16W</p> <p>2-way system</p> <p>8" metal alloy hard anodized woofer</p> <p>1-1/8" pure titanium low diffraction inverted tweeter</p> <p>Powder-coated stainless steel mounting bracket</p>	<p>Frequency response: 45 Hz-17 kHz (-10 dB)</p> <p>Sensitivity (1W/1m): 91 dBspl*</p> <p>Dispersion: Horiz.: 100° Vert.: 35° (Up), 45° (Down)</p>	<p>Dimensions: 17-7/8" W X 10-1/4" H X 10" D</p> <p>Product Weight: A8: 18 lb.; A8T: 20 lb.</p> 

Colors specified by adding suffix to model number: BLK (black) or WHT (white).

Actual speaker colors may not match those shown here.

*Half Space Response

Also Available...

A12



Bogen's A12 High-Output, Long-Throw Loudspeaker for All-weather Applications

The A12 features a more powerful, more focused driver complement for use in larger public spaces and with higher ambient sound levels.

Size: 10-1/4" W x 17-7/8" H x 11-3/4" D

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