

A-Series

L O U D S P E A K E R S

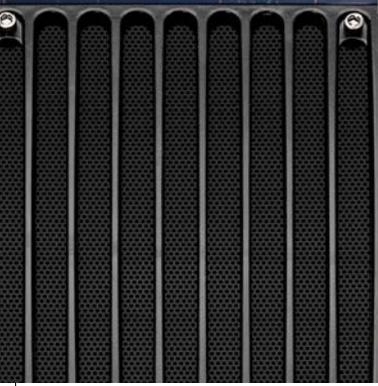
*Sound Quality,
Inside and Out.*



N·E·A·R®

NEAR® A-Series

Loudspeakers



The **Ultimate** Pairing of **Performance and Durability**

NEAR A-Series speakers 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 NEAR-patented speaker technology 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 heavy, 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 baking in the sun and salt spray seaside, you can count on it to look good and sound great.



N·E·A·R®

Inside NEAR® A-Series Loudspeakers

Tough, Innovative Design

The NEAR A-Series is made of premium material components: die-cast aluminum frames, hard anodized aluminum cones, black anodized aluminum voice coil formers, proprietary rubber compound for speaker surround, high-temperature adhesives, UV-inhibited mineral-filled polypropylene enclosure, powder coated aluminum, perforated PVC plastic grilles, threaded brass inserts, and gold-plated connectors. These are the most durable materials used in any speaker in the industry!



Magnetic Liquid Suspension™

Unique and patented 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 summary of MLS™ benefits:

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

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 difficult environmental conditions.



Advanced Rubber Compound

With advanced rubber cone surrounds, premium driver materials, a fully sealed cabinet, and corrosion-resistant hardware, you have a series of speakers engineered for consistent quality and performance...both indoors and out.

Form Follows Function

Heavy wall, mineral filled with 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.

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 summary of MDT™ benefits:

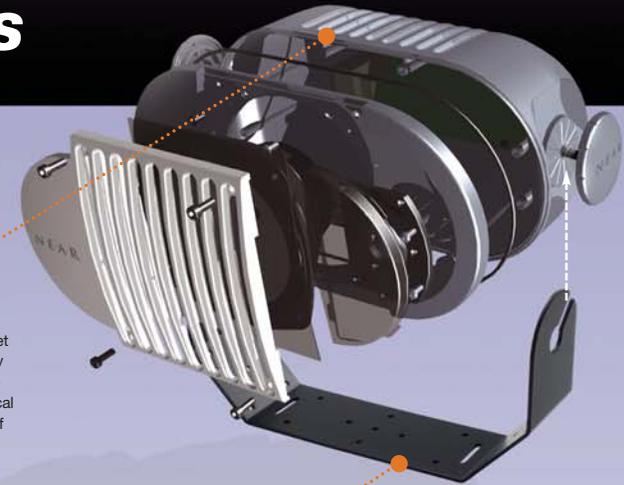
- **High rigidity and low mass of metal cone versus traditional papers and plastics**
- **Special anodizing process creates a ceramic coating for increased stiffness**
- **Large metal cone area assists in cooling voice coil under long-term, high-power situations**
- **Extremely durable cone structure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

Cast Aluminum Basket

The cast aluminum basket is rigid and lightweight.

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.



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 environment.



*Accessory; sold separately

Designed to **Perform** Anywhere

The A-Series offers a range of choices to suit every application where sound quality is crucial.

The A2 is compact and designed for smaller spaces or applications. Its high audio intelligibility and superb articulation make it the ideal loudspeaker for music or paging, inside or out.



The A6 is a conveniently sized 2-way, high-power speaker. It delivers superb results in restaurants, health clubs, patios/decks and waterside areas.



The A8 is the largest and highest output model, and designed to perform in settings from clubs and auditoriums to stages and theme parks.



Available Models

A-Series speakers are available in a choice of three colors: black, green 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 NEAR's MDT™ metal-alloy cones and patented MLS™ spiderless suspension technologies. These speaker assemblies are designed to be impervious to heat, cold, rain, moisture and salt spray. All hardware materials are extremely weather-resistant.

	Speaker Features	Frequency Response/ Sensitivity / Dispersion	Dimensions/ Weight
 <h1>A2</h1>	A2, A2T <i>Power handling:</i> A2 (8 ohms) - 100W A2T (70V) - 16W/8W/4W Coaxial system 6" metal alloy hard anodized woofer 1/2" polycarbonate tweeter Powder-coated aluminum mounting bracket	<i>Frequency response:</i> 55 Hz-20 kHz (-10 dB)* <i>Sensitivity:</i> 88 dBspl** <i>Dispersion:</i> Horizontal - 90° Vertical - 90°	<i>Dimensions:</i> 9" dia. X 8" D <i>Product Weight:</i> A2 - 8 lb.; A2T - 10 lb.
 <h1>A6</h1>	A6, A6T <i>Power handling:</i> A6 (8 ohms) - 150W A6T (70V) - 32W/16W/8W 2-way system 6" metal alloy hard anodized woofer 1" pure titanium low diffraction inverted tweeter Powder-coated aluminum mounting bracket	<i>Frequency response:</i> 50 Hz-20 kHz (-10 dB)* <i>Sensitivity:</i> 89 dBspl** <i>Dispersion:</i> Horizontal - 110° Vertical - 45° (Up), 35° (Down)	<i>Dimensions:</i> 13-7/16" W X 7-1/8" H X 7-11/16" D <i>Product Weight:</i> A6 - 11 lb.; A6T - 12 lb.
 <h1>A8</h1>	A8, A8T <i>Power handling:</i> A8 (8 ohms) - 175W A8T (70V) - 64W/32W/16W 2-way system 8" metal alloy hard anodized woofer 1" pure titanium low diffraction inverted tweeter Powder-coated stainless steel mounting bracket	<i>Frequency response:</i> 45 Hz-20 kHz (-10 dB)* <i>Sensitivity:</i> 91 dBspl** <i>Dispersion:</i> Horizontal - 100° Vertical - 45° (Up), 35° (Down)	<i>Dimensions:</i> 17-13/16" W X 10-3/16" H X 10-7/8" D <i>Product Weight:</i> A8 - 18 lb.; A8T - 20 lb.

* Half-space response ** @1W/1m

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

Actual speakers colors may not match those shown here.

BOGEN®
COMMUNICATIONS, INC.

50 Spring Street, Ramsey, NJ 07446, U.S.A.
 Tel: 201-934-8500 Fax: 201-934-9832
 Web: www.bogen.com