



# AE-4s2

## LOUDSPEAKER SYSTEM

### DESCRIPTION:

The AE-4s2 two-way, single-amped system offers very high acoustic output, low distortion, and a flat, full-range response, in a moderately sized enclosure.

### DRIVER COMPLEMENT:

**LOW FREQUENCY:** One Apogee 12" (305mm) neodymium magnet cone-type driver is treated with a waterproofing compound, providing resistance to moisture, and enabling long-term stability of cone resonance and cone mass parameters

**HIGH FREQUENCY:** One Apogee 1" (25mm) horn-loaded compression driver is treated with Ferrofluid® for greater power handling capability, lower distortion, and control of short-term impedance rise

### INPUT CONNECTORS:

Neutrik™ NL4MP Speakon™ connectors standard; Cannon EP series and gas-tight barrier strips optional

### COMPATIBLE PROCESSORS:

DLC24 Digital Controller

### HANDLES:

Two handles designed as an integral part of enclosure (no moving parts)

### GRILLE:

Powder-coated, diamond-punched steel with acoustic foam covering

### TRIM:

Optional protective steel trim pieces on top and bottom edges; powder-coated for durability

### RIGGING HARDWARE:

Four 12-gauge steel nutplates mounted two on top and two on bottom, recessed, nominally flush; accepts 3/8"-16 thread (10mm nutplate optional); nutplates are backed with 12-gauge steel internal brackets

### FINISH:

Textured high-strength black epoxy paint; other colors optional

### ENCLOSURE TYPE:

20° trapezoidal, optimally-vented bass

### CABINET CONSTRUCTION:

Multi-ply birch with stainless steel fasteners

### ENGINEERING DATA:

#### FORMAT:

Single-amped/Two-way/Electronically-coupled

#### DISPERSION:

H: 90° x V: 45°

#### FREQUENCY RESPONSE (1M ON AXIS):

60 Hz to 16.5 kHz ± 3 dB

#### MAX. SPL (@1M):

125 dB cont./131 dB peak

#### PTML (PEAK TRANSIENT MECHANICAL LIMIT):

140 dB

#### SENSITIVITY (1W @ 1M):

101.5 dB/200 Hz to 4 kHz

#### NOMINAL IMPEDANCE:

8 ohms

#### MAX. POWER HANDLING:

200W cont./800W peak

#### DIMENSIONS:

**front:** 14.1" (358mm) W x 23" (584mm) H

**rear:** 9.3" (236mm) W x 23" (584mm) H

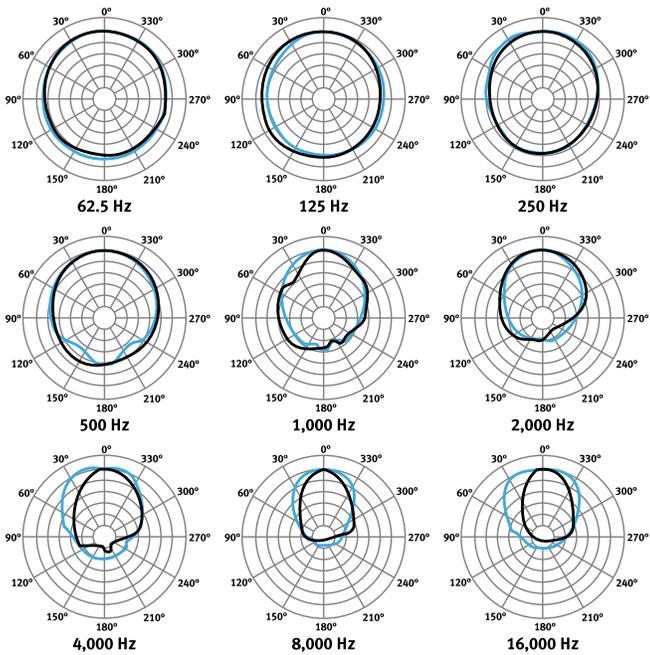
**depth:** 16.5" (419mm)

#### WEIGHT:

65 lb. (29.5 kg)

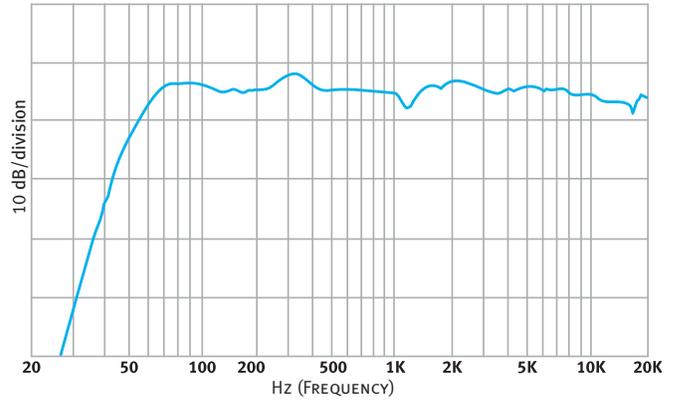
**APOGEE**  
SOUND INTERNATIONAL, LLC

**POLAR MEASUREMENTS AE-4S2** (6 dB/division, normalized)



**HORIZONTAL** — All polar measurements obtained in a free-field environment at 10° increments.  
**VERTICAL** —

**FREQUENCY RESPONSE** (with controller)



Measured in a free-field anechoic environment using a swept one-third octave input.

**PROCESSOR NOTES:**

The DLC24 Digital Loudspeaker Controller is a digital engine with an analog surface. It combines the most advanced technology available with intuitive interfaces to provide the key elements that ensure optimal loudspeaker system performance and management in a variety of live sound and fixed installation applications.

The controller provides factory-set equalization curves to smooth the response, protective limiting, and active crossovers (for bi-amplified models and subwoofers).

**DIMENSIONAL DRAWINGS AE-4S2** (dimensions in inches and millimeters)

