Apogee AE Loudspeaker Rigging Systems

The various yokes and assemblies listed in this section have been designed, built, and tested to provide safe, proper, and economical methods of employing Apogee speaker systems in both fixed installations and temporary applications. Apogee also provides additional hardware not shown.

AE-5 Yoke **Assembly**



AE-5 Adjustable Rigging Beam The Adjustable Rigging Beam for Apogee mid-sized AE-2s2 Yoke



loudspeakers is the safest, simplest, and most cost effective way to hang a pair of speakers.



Yokes and yoke assemblies are available for the small & mid-sized AE models.

MARS: Apogee's Exclusive Modular Arrayable Rigging System

Because many Apogee loudspeakers like the AE-5 or AE-9 are fully arrayable, a special collection of hardware has been designed to allow simple or complex arrays to be quickly and easily configured. This hardware system is referred to as the Modular Arrayable Rigging System, or simply "MARS" for short.

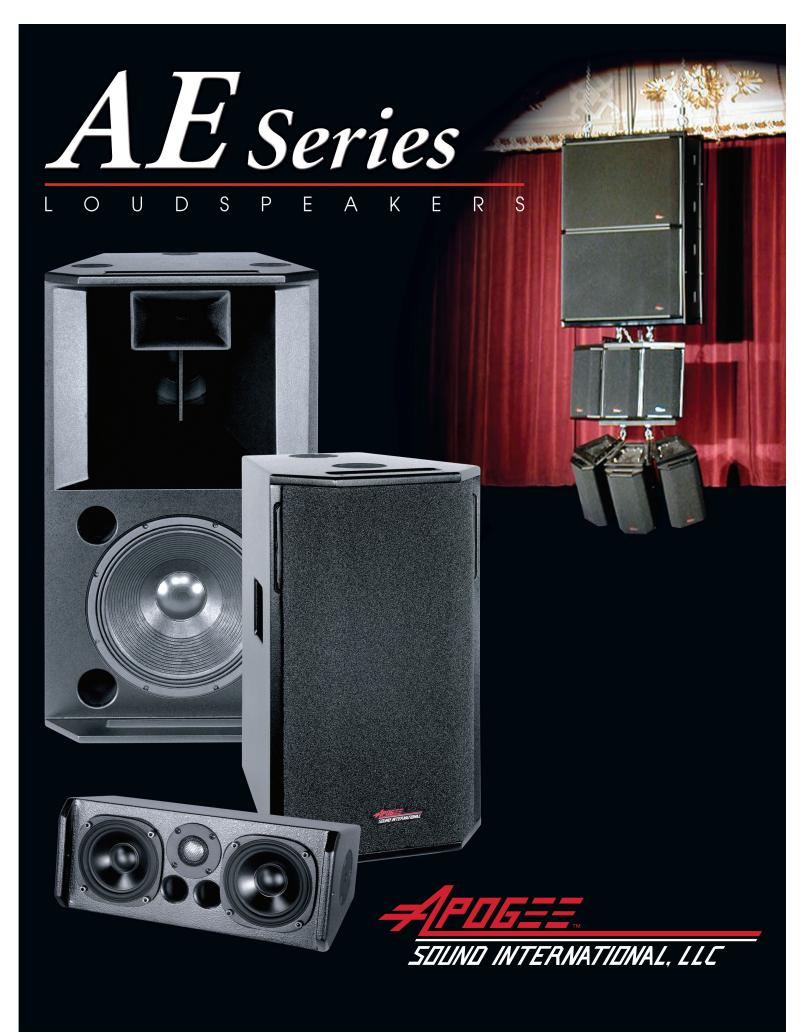
MARS clears away the unwieldy "bumpers", trusses, and grids of conventional rigging systems, allowing the installer or touring sound engineer to quickly and easily create a properly aligned array that is ideally suited to each unique acoustical environment. With MARS, the possibilities for system configuration are nearly endless. And because of its modularity, you will never "run out of truss" which occurs with conventional rigging.

Apogee loudspeaker systems and MARS components far exceed even the most stringent safety standards throughout the world.











AE-3Ms2 Stage Monitor System

The AE-3Ms2 stage monitor is optimized for exceptional power and clarity in the vocal range. It produces extremely high acoustic output from a very small and unobtrusive enclosure.

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers: LF: 10" (254mm)

HF: 1" (25mm)

Dispersion: H: 45° x V: 70

Frequency Response (1m on axis): 70 Hz to 18 kHz + 3 dB

Max. SPL (@1m): 121 dB cont./127 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m): 99.5 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak): 300 W cont./1200 W peak

Dimensions:

16.25" (413mm) W by 12.5" (318mm) H by 14" (356mm) D

Weight: 36 lb. (16.4 kg)

AE-4M Stage Monitor System

The cost effective AE-4M stage monitor offers high power output and exceptionally clean sound without bi-amplification, in a classic wedge-style design.

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers:

LF: 12" (305mm) HF: 1" (25mm)

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):

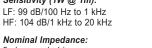
Sensitivity (1W @ 1m): 101.5 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak): 200 W cont./800 W peak

14" (356mm) W by 20.5" (521mm) H by

Weight: 54 lb. (24.5 kg)



HF: 150 W cont./600 W peak

Weight:

80 lb. (36 kg)

Dimensions: 27.5" (699mm) D



AE-8B Concert Stage Monitor System

The AE-8B bi-amped stage monitor features a unique articulated baffle allowing large format components to be contained in a low profile enclosure. The AE-8B is especially effective on large reverberant concert stages.

ENGINEERING DATA

Bi-amped/Two-way/Electronically-coupled

Drivers:

LF: 15" (381mm) HF: 2" (51mm)

Dispersion: H: 60° x V: 40°

Frequency Response (1m on axis): 46 Hz to 16 kHz ± 3 dB

Max. SPL (@1m):

127 dB cont./133 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @, 1m): LF: 99 dB/100 Hz to 1 kHz

Nominal Impedance: 8-ohm, each driver

Max. Power Handling (cont./peak): LF: 600 W cont./2400 W peak

Dimensions:

19.5" (495mm) W by 21.5" (546mm) H by 26.7" (678mm) D





AE-4s2 Compact Loudspeaker System

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

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers:

LF: 12" (305mm) HF: 1" (25mm)

Dispersion: H: 90° x V: 45°

Frequency Response (1m on axis): 60 Hz to 16.5 kHz ± 3 dB

Max. SPL (@1m):

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m):

101.5 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak): 200 W cont./800 W peak

Dimensions:

front: 14" (356mm) W by 23" (584mm) H rear: 9.3" (236mm) W by 23" (584mm) H depth: 16.5" (419mm)

Weight: 70 lb. (31.8 kg)

AE-5 Arrayable Loudspeaker System

The AE-5 two-way, bi-amped loudspeaker is the flagship of the Apogee line. This fully arrayable system functions brilliantly when used alone, or as a building block of a large, sophisticated system, making it one of the most vesatile speakers ever developed.

ENGINEERING DATA

Bi-amped/Two-way/Electronically-coupled

Drivers: LF: 12" (305mm)

HF: 1" (25mm)

Dispersion:

Frequency Response (1m on axis): 53 Hz to 17 kHz ± 3 dB

Max. SPL (@1m): 126 dB cont./132 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @, 1m):

LF: 99 dB/100 Hz to 1 kHz HF: 106 dB/1 kHz to 20 kHz

Nominal Impedance:

8-ohm, each driver

Max. Power Handling (cont./peak): LF: 300 W cont./1200 W peak

HF: 150 W cont./600 W peak

Dimensions:

front: 14" (356mm) W by 23" (584mm) H rear: 9.3" (236mm) W by 23" (584mm) H depth: 16.5" (419mm)

Weight: 76 lb. (34.5 kg)

AE-8 Arrayable Loudspeaker System

The AE-8 bi-amped system offers flat power response and a precisely controlled radiation pattern for smooth acoustic integration in virtually any size room. It is particularly effective in reverberant spaces and is fully arrayable.

ENGINEERING DATA

Format:

Bi-amped/Two-way/Electronically-coupled

Drivers:

LF: 15" (381mm) HF: 2" (51mm)

Dispersion:

H: 60° x V: 40°

Frequency Response (1m on axis): 48 Hz to 16 kHz ± 3 dB

Max. SPL (@1m): 127 dB cont./133 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m):

LF: 99 dB/100 Hz to 1 kHz HF: 104 dB/1 kHz to 20 kHz

Nominal Impedance:

8-ohm, each driver

Max. Power Handling (cont./peak):

LF: 600 W cont./2400 W peak HF: 150 W cont./600 W peak

front: 19" (483mm) W by 30.8" (782mm) H rear: 11.5" (292mm) W by 30.8" (782mm) H depth: 17.3" (440mm)

Weight: 90 lb. (40.8 kg)



AE-9 Concert Loudspeaker System

The AE-9 is a bi-amped, three-way system offering exceptional power output, smooth frequency response, and predictable directional control. The AE-9 can be easily positioned or arrayed in spaces that are too small for other horn-loaded systems. Speaker is fully arrayable.

ENGINEERING DATA

Format:

Bi-amped/Three-way/Electronically-coupled

Drivers:

LF: 15" (381mm) MF: 10" (254mm) HF: 1" (25mm)

Dispersion: H: 60° x V: 40°

Frequency Response (1m on axis): 44 Hz to 17 kHz ± 3 dB

Max. SPL (@1m): 127 dB cont./133 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m): LF: 98 dB/44 Hz to 300 Hz

MF/HF: 101.5 dB/300 Hz to 17 kHz

Nominal Impedance:

8-ohm, each driver

Max. Power Handling (cont./peak): LF: 600 W cont./2400 W peak

MF: 400 W cont./1600 W peak HF: 75 W cont./300 W peak

front: 22" (559mm) W by 38" (965mm) H rear: 15" (381mm) W by 38" (965mm) H depth: 23" (584mm)

Weight: 145 lb. (65.8 kg)





AE-10 Compact Subwoofer System

Characterized by a tight and punchy sound, the AE-10 subwoofer produces high-level, low frequency output. It adds depth and dramatic impact to musical passages, and when mated with other AE Series loudspeakers, it extends their low frequency response without muddying or coloring the upper frequencies.

ENGINEERING DATA

Single-amped/Electronically-coupled

Drivers: Dual 15" (381mm)

Dispersion:

Frequency Response (1m on axis): 38 Hz to 120 kHz ± 3 dB

Max. SPL (@1m):

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m): 95 dB/20 Hz to 100 Hz, each driver

Nominal Impedance:

8-ohm, each driver; separate connections to each driver

Max. Power Handling (cont./peak):

1200 W cont./4800 W peak (600 W cont./ 2400 W peak, each driver)

Dimensions:

front: 32" (813mm) W by 22.5" (572mm) H rear: 25" (635mm) W by 22.5" (572mm) H depth: 24" (610mm)

Weight: 131 lb. (59.5 kg)



AE-12s2 Concert Subwoofer System

Designed to produce extremely high level, low frequency output from an easy to transport enclosure, the AE-12s2 subwoofer delivers a deep, accurate response, adding power and intense impact without muddying or coloring the upper frequencies. The AE-12s2 perfectly complements Apogee Systems from the AE-5 to the ALA-9 Line arrays.

ENGINEERING DATA

Single-amped/Electronically-coupled

Drivers:

Dual 18" (460mm)

Dispersion:

Frequency Response (1m on axis):

30 Hz to 105 kHz ± 3 dB

Max. SPL (@1m):

132 dB cont./138 dB peak

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m):

98 dB/20 Hz to 100 Hz, each driver

Nominal Impedance:

8-ohm, each driver; separate connections to each driver

Max. Power Handling (cont./peak):

1200 W cont./4800 W peak (600 W cont./ 2400 W peak, each driver)

Dimensions:

44.75" (1137mm) W by 30" (762mm) H by 22.5" (572mm) D

Weight: 204 lb. (92.6 kg)

SSM Compact Loudspeaker System

The SSM two-way, single-amped, electronically-coupled loudspeaker system is extremely small and lightweight, yet capable of high acoustical output with exceptional linearity.

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers: LF: Dual 4.5" (115mm)

HF: 1" (25mm)

Dispersion:

H: 90° x V: 100°

Frequency Response (1m on axis): 85 Hz to 25 kHz + 3 dB

Max. SPL (@1m):

112 dB cont./118 dB peak

PTML (Peak Transient Mechanical Limit): 129 dB

Sensitivity (1W @ 1m): 88.8 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak):

150 W cont./600 W peak

Dimensions:

front: 13" (330mm) W by 5.5" (140mm) H rear: 13" (330mm) W by 3.7" (94mm) H depth: 5.9" (150mm)

Weight:

11 lb. (5 kg)

AE-2s2 Wide-Angle Loudspeaker System

The AE-2s2 is a wide-angle, two-way, single-amped system designed for extended horizontal dispersion and high fidelity response. The unique shape of the enclosure produces the wide coverage angle (165°) while minimizing sight-line obstructions.

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers: LF: Dual 8" (204mm)

HF: Dual 1" (25mm)

Dispersion:

Frequency Response (1m on axis):

63 Hz to 19 kHz ± 3 dB

Max. SPL (@1m):

PTML (Peak Transient Mechanical Limit):

Sensitivity (1W @ 1m): 97.4 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak):

240 W cont./960 W peak

Dimensions:

front: 32" (813mm) W by 10.5" (267mm) H rear: 32" (813mm) W by 8.5" (216mm) H depth: 10" (254mm)

Weight:

38 lb. (17.3 kg)



AE-3s2 Compact Loudspeaker System

The AE-3s2 two-way, single-amped system produces high acoustic output from a small enclosure. A pair can cover large hotel ballrooms or auditoriums for speech reproduction or add an optional subwoofer for wide-range music reproduction.

ENGINEERING DATA

Format:

Single-amped/Two-way/Electronically-coupled

Drivers: LF: 10" (254mm) HF: 1" (25mm)

Dispersion:

H: 70° x V: 45°

Frequency Response (1m on axis): 70 Hz to 18 kHz ± 3 dB

Max. SPL (@1m):

124 dB cont./130 dB peak

PTML (Peak Transient Mechanical Limit).

138 dB

Sensitivity (1W @ 1m): 99.5 dB/200 Hz to 4 kHz

Nominal Impedance:

Max. Power Handling (cont./peak): 300 W cont./1200 W peak

Dimensions:

front: 12.5" (318mm)W by 16.25" (413mm) H rear: 10" (254mm) W by 16.25" (413mm) H depth: 10" (254mm)

Weiaht:

36 lb. (16.4 kg)

