



SSM

COMPACT LOUDSPEAKER SYSTEM

DESCRIPTION:

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

DRIVER COMPLEMENT:

LOW FREQUENCY: Dual Apogee 4.5" (115mm) permanent magnet cone-type drivers

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

INPUT CONNECTORS:

Neutrik™ NL4MP Speakon™ and gas-tight barrier strips standard

COMPATIBLE PROCESSORS:

DLC24 Digital Controller

GRILLE:

Powder-coated, diamond-punched steel

RIGGING HARDWARE:

Two 12-gauge steel nutplates, mounted one on either side, 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:

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: 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:

16 ohms

MAX. POWER HANDLING:

150W cont./600W peak

DIMENSIONS:

front: 13" (330mm) W x 5.5" (140mm) H

rear: 13" (330mm) W x 3.7" (94mm) H

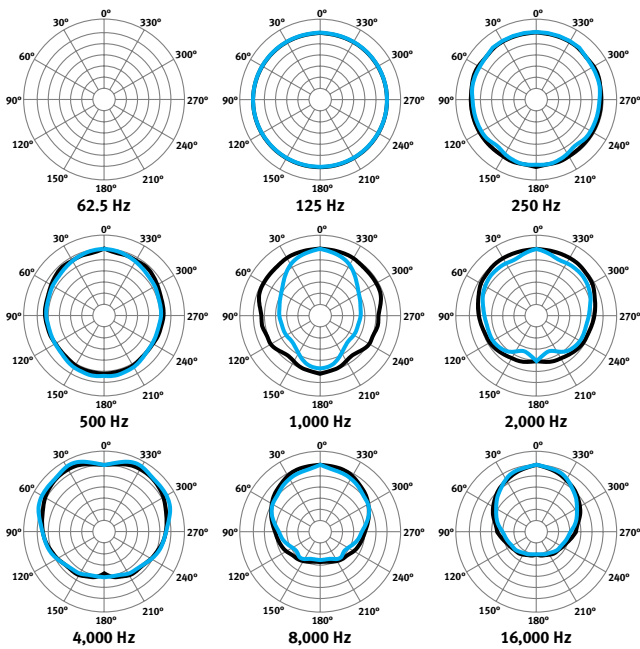
depth: 5.9" (150mm)

WEIGHT:

11 lb. (5 kg)

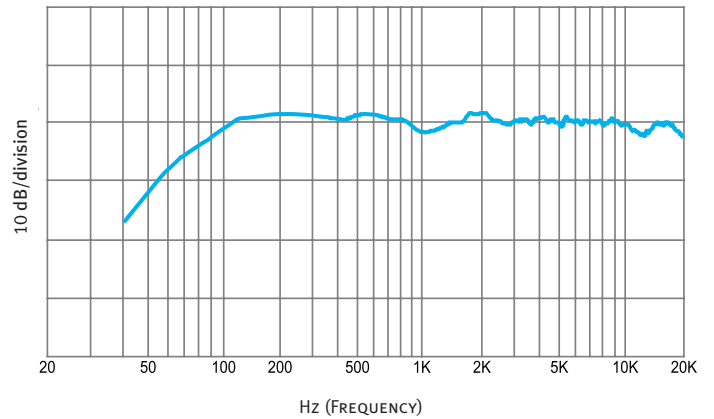
APOGEE
SOUND INTERNATIONAL

POLAR MEASUREMENTS SSM (6 dB/division, normalized)



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

FREQUENCY RESPONSE SSM (with controller)



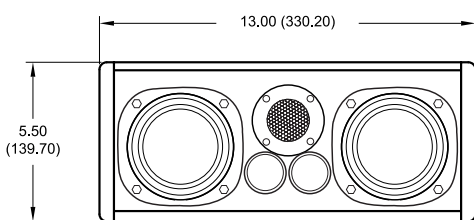
Measured in a free-field anechoic environment using a swept one-third octave input.

PROCESSOR NOTES:

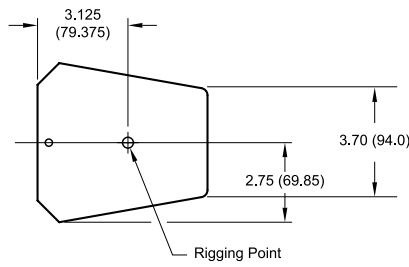
The DLC24 Digital Loudspeaker Controller is a digital engine with an analog surface. It combines the most advanced technology available with intuitive interfaces to provide the key elements that ensure optimal loudspeaker system performance and management in a variety of live sound and fixed installation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

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

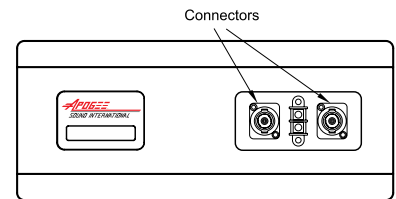
DIMENSIONAL DRAWINGS SSM (dimensions in inches and millimeters)



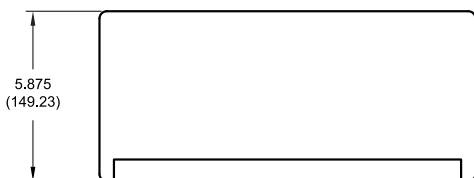
FRONT VIEW
(WITHOUT GRILLE)



SIDE VIEW



BACK VIEW



TOP VIEW
(WITHOUT GRILLE)



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