



# 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

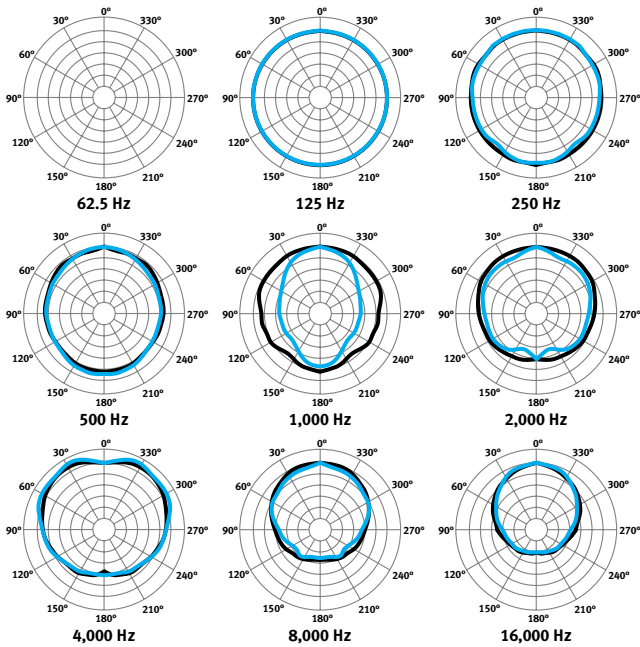
**depth:** 5.9" (150mm)

#### WEIGHT:

11 lb. (5 kg)

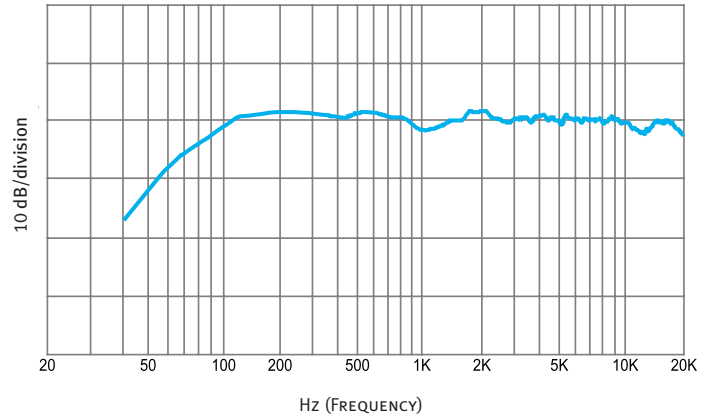
**APOGEE**  
SOUND INTERNATIONAL

## 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)



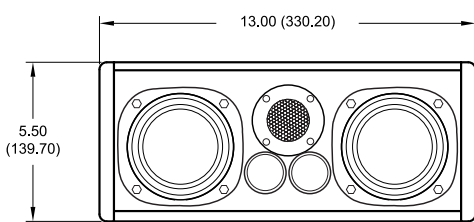
Measured in a free-field anechoic environment using a swept one-third octave input.

## PROCESSOR NOTES:

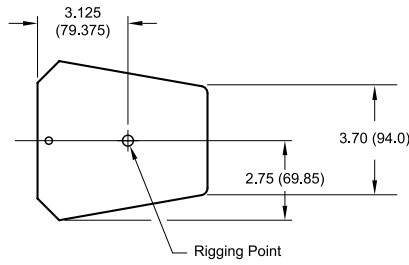
The DLC24 Digital Loudspeaker Controller is a digital engine with an analog surface. It combines the most advanced technology available with intuitive interfaces to provide the key elements that ensure optimal loudspeaker system performance and management in a variety of live sound and fixed installation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

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

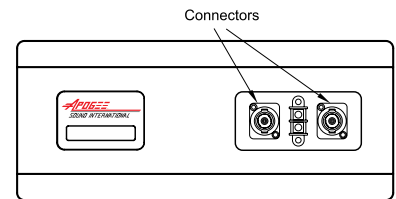
## DIMENSIONAL DRAWINGS SSM (dimensions in inches and millimeters)



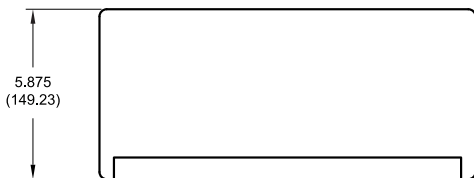
FRONT VIEW  
(WITHOUT GRILLE)



SIDE VIEW



BACK VIEW



TOP VIEW  
(WITHOUT GRILLE)



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