



S Y N T H E S I S<sup>®</sup>

Quick  
Specs

# SAM1HF/SAM2LF

## Key Features

- 1" (25mm) Pure-titanium compression driver for extended high-frequency response to exceed SACD™ and DVD-Audio specifications.
- The special deep-anodized aluminum cone and dome material, together with the motor features, helps to reduce midband distortions to very low levels (approximately 50dB to 60dB below the fundamental signal driven at 100dB output).
- The 8" (200mm) mid-bass drivers incorporate many of JBL's patented technologies – such as Symmetrical Field Geometry™ (SFG), Symmetrical Inductance Modulation (SIM) and Vented Gap Cooling™ (VGC)
- HF horn dispersion: 80° H x 80° V
- UHF horn dispersion: 60° H x 30° V
- Three-way design with UHF compression horn to extend frequency response to 40kHz



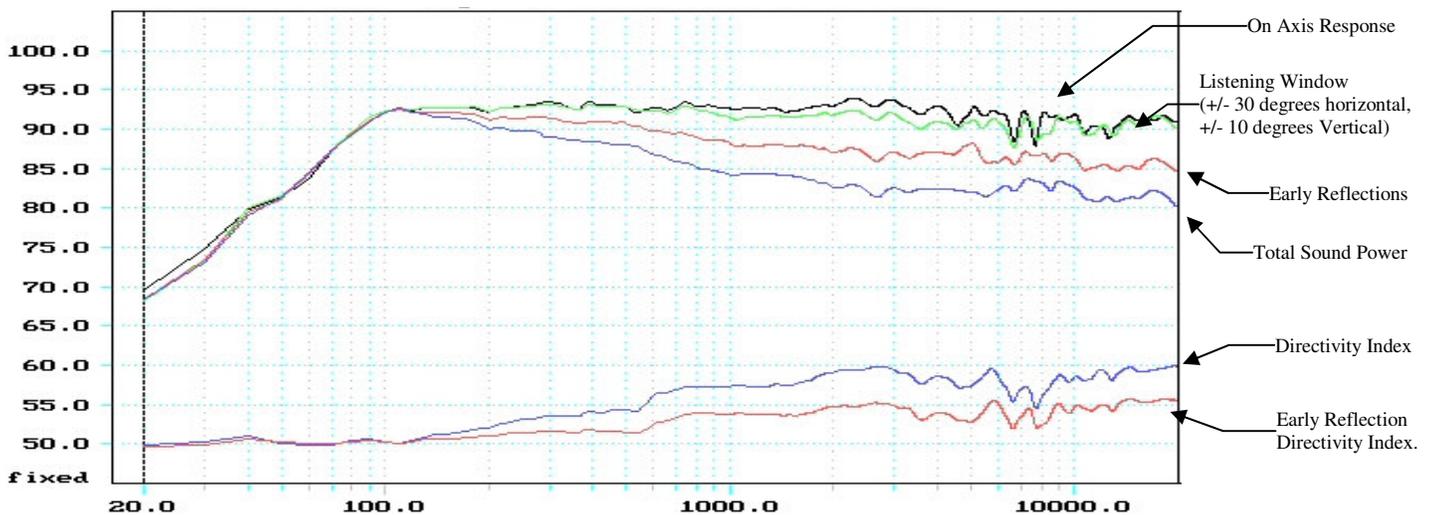
## Description

Flexible installation allows these 2 modules to be mounted in a vertical array; side by side; or combined with additional LF modules when more SPL is needed. Active bi-amp when used with SDEC-4000 or passive crossover option when used with SAM12X allow a scalable and easily customized speaker setup to be designed to fit the application as needed.

## Specifications

Maximum Recommended Amplifier Power	300 Watts (RMS)
Impedance	6 Ohms
Sensitivity (2.83V @ 1m)	98dB HF; 92dB LF
Frequency Response	60Hz – 40kHz
Crossover Frequencies	890Hz, 9kHz
Ultrahigh-Frequency Driver	045Ti 1" (25MM) Pure titanium compression driver with aluminum edge-wound voice coil and 2" (51mm) neodymium motor assembly, mounted in a SonoGlass® constant-directivity horn
High-Frequency Driver	435AL-1 3" (75mm) Aquaplas-treated aluminum-dome compression driver with aluminum edge wound voice coil and neodymium motor assembly, mounted in a vertical SonoGlass® constant directivity horn
Low-Frequency Driver	Dual 8" (200mm) deep-anodized-aluminum cone and dome material with dual inside neodymium magnets, shielded motor structure and 2" (51mm) voice coils
Dimensions (H x W x D)	SAM1HF: 17-1/4" x 8" x 11-1/2" (438mm x 200mm x 292mm) Add 1-3/4" (45mm) depth for mounting SAM2LF: 20" X 10" x 10-3/4" (508mm x 254mm x 273mm) Add 1-3/4" (45mm) depth for mounting hardware
Weight	SAM1HF: 25 lb (11kg) SAM2LF: 29 lb (13kg)

## Frequency Response - 0.05 (1/20<sup>th</sup>) octave resolution



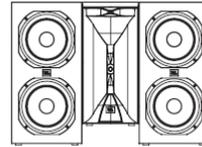
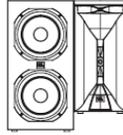


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## Configuration Examples



## Dimensions

