



Audiofrog's Compact Line Array series speakers bring Audiofrog's sonic accuracy, dynamics and low distortion performance to a host of new applications. The CLA Series is designed for great performance in bars, clubs, restaurants, small live music venues, houses of worship, or for any medium-sized room or fixed installation. The CLA-52H, along with its complementary woofer, the CLA-52W are compact enough to be used by mobile DJs who want to fly these arrays from a compact lighting truss, too.

Designed to go head-to-head with the most formidable of competitors, the CLA Series is designed, qualified and tested to provide smooth and even coverage over a wide listening window while maintaining high efficiency and power handling.

The CLA-52H features dual 5.25" midrange/midbass drivers, a 1.3" horn loaded compression tweeter and a 1" x 2" ribbon super-tweeter. Designed to be flown in groups of three along with a CLA-52W, the system provides smooth and even coverage at nearly any vertical angle from front of house to back.

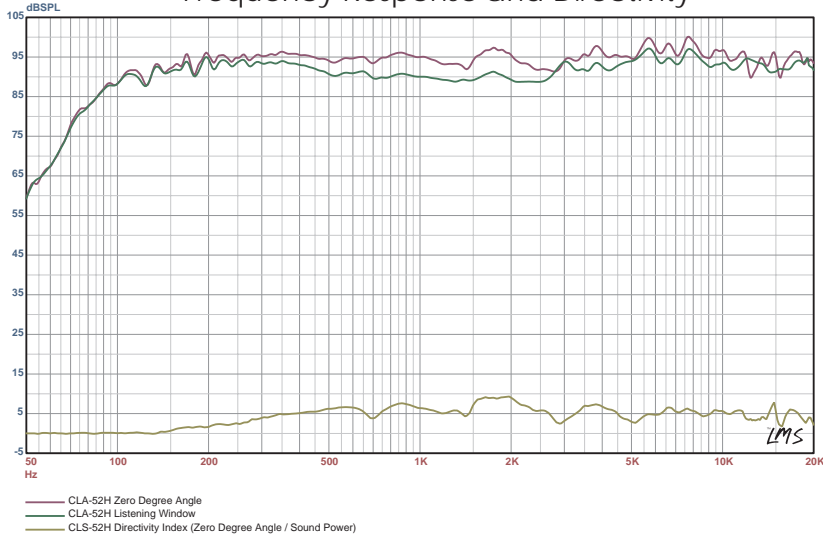
Constructed using 13-ply Baltic Birch plywood, and covered with Road-Kote polyester coating, the A310S is even engineered to withstand the abuse of repeated transportation from gig to gig. Integrated brackets and retaining pins make configuration for several coverage angles easy.



Specifications:

System:	CLS-52H
	Configuration: 5.25" Compact Line Array
Loudspeakers:	
	Woofer: 5.25" Paper Cone with Cloth Surround 1" (25 mm) CCAL Voice Coil 20 oz Ferrite Magnet
	Midrange: 1.35" (34.4 mm) HLCD Titanium Diaphragm 1.35" (34.4 mm) CCAL Voice Coil
	Tweeter: 1" x 2" Ribbon Kapton Diaphragm with Laminated CCAL Coil
Crossover:	
	Mid/High: 25 kHz, 12 dB/Oct Low/Mid: 2.8kHz, 12dB/Oct Recommended High Pass Filter: ≥ 100 Hz, ≥ 12 dB/Oct
Performance:	
	Power Handling (Continuous Average): 100 Watts Power Handling (Music): 200 Watts Nominal Impedance: 8 Ω Sensitivity (2.83 V / 1 M): 96dB Maximum Output SPL: 122dB Frequency Response (-3 dB): 100 Hz - 30 kHz Coverage Angle (H x V): 70° x 30°
Construction:	
	Cabinet Material: 13 Ply Birch Cabinet Finish: Road-Kote Polyester Coating Grille Material: 14 Gauge Perforated Steel, Powder Coated Connections: 2 x Neutrik® Speakon® NL4MP Dimensions: 9-5/8" x 19-1/16" x 7-3/8" 244 mm x 484 mm x 187.5 mm Weight: 20.3 lbs 9.2 kg
Mounting and Use Configurations:	
	Array Suspension Mounting: Integrated Bracket and Retainer Pins

Frequency Response and Directivity



Impedance

