

A1

A1 is a compact actively driven passive 3-way speaker system. It consists of 15" neodymium magnet low frequency driver, 6.5" cone driver loaded multi-path waveguide and two 0.65" exit compression drivers loaded with dual exit waveguides.

15" low frequency driver is loaded with narrow-Q band-pass horn for extra sensitivity, which equals two front loaded 15" drivers in SPL over 80-300Hz. With an enclosure not more than the size of single 15" driver this design sets a new benchmark for SPL to size ratio to compact full range speakers.

The heart of A1 is M6 mid frequency driver consisting of 6.5" neodymium magnet cone driver loaded with internationally patented multi-path waveguide. Not only does this technology increase the sensitivity some 10dB but M6 sound channels also cancel harmonics making distortion levels at max SPL between 10-20dB lower than standard speaker systems equal size. M6 also features wide horizontal beam width and high cut off frequency of 4kHz making it possible to use small diaphragm lightweight compression drivers for high frequencies for increased sensitivity and detail.

A1 is driven with Aura Audio D-series controller amplifiers featuring flexible speaker specific filtering, limiting and ultra high quality class-D output stage powered by high-efficiency switch-mode power supply.

APPLICATIONS

Front of house systems
High quality nightclubs
Medium size installations
Music reinforcement with subwoofer



A1 - SPECIFICATIONS

Frequency Response (+-3 dB): 85–22000 Hz
Horizontal Coverage (-6 dB): 90 degrees
Vertical Coverage (-6 dB): 15 degrees
Max peak SPL : 137 dB (free space)
Sensitivity LF, 1w/1m: 103 dB (free space)
Sensitivity HF, 1w/1m: 110 dB (free space)
Crossover: 300Hz active, 3.5kHz passive
Power handling LF: 500 W rms, 2000 W pk
Power handling HF: 125 W rms, 500 W pk
Recommended HP-filter: 76 Hz, 24dB/oct

DRIVERS

LF: (1) x 15" neodymium magnet cone driver,
band-pass horn loaded
MF: (1) x 6.5" neodymium magnet cone
driver,
horn-loaded
HF: (2) x 0.65" exit compression driver,
dual exit waveguide

ENCLOSURE

Enclosure material: Finnish birch plywood,
textured black paint finish
Grille: Cold rolled steel grille, textured black
paint finish
Connectors: (2) x NL4, +/-1: LF, +/-2: HF
Dimensions: 455 mm x 430 mm x 430 mm
Weight: 24 kg