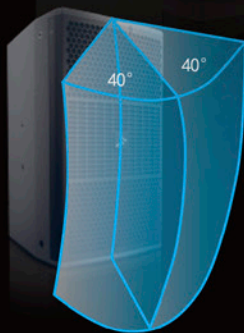


SA-12

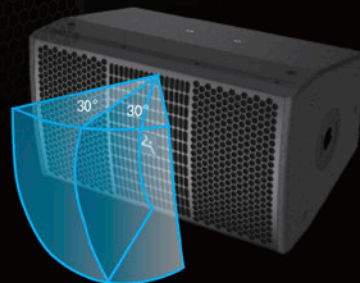
SA SERIES



HORIZONTAL
COVERAGE



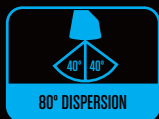
VERTICAL
COVERAGE



OVERLOAD PROTECTION



POINT SOURCE



80° DISPERSION



REAR PORTED



FANE DRIVERS



ACOUSTIC HORN DESIGN

FEATURES

- + 450 W (AES) power handling.
- + 122 dB continuous SPL output.
- + Equipped with custom Fane drivers.
- + Elliptic 80° x 60°, low resonance glass fibre horn.
- + Void-free birch plywood enclosure construction.
- + Twin Neutrik Speakon NL4 connectors.

APPLICATIONS

- + KTV applications.
- + Bars and restaurants.
- + Clubs, live music venues and theatres
- + Leisure and retail outlets.
- + Auditoriums, offices and conferences.



SA-12

12-INCH, TWO-WAY, PASSIVE KTV LOUDSPEAKER SYSTEM

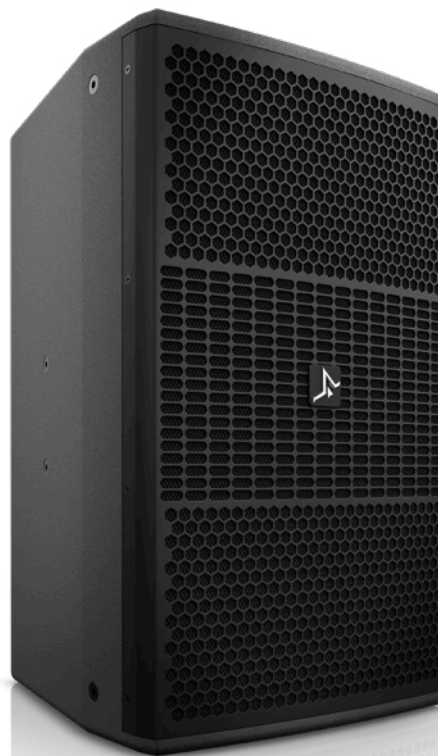
The SA-12 represents FANE’s dedication to crafting premium-grade, high-powered full-range speakers tailored for upscale KTV venues, clubs, and dynamic nightclubs, meticulously designed for delivering top-tier performance.

At its forefront, the SA-12 features a 12-inch low-frequency driver with a bespoke 3-inch (76.2mm) voice coil from FANE, Harmoniously paired with a 1.75-inch compression driver with composite polymer diaphragm for precise and clear high-frequency delivery. These elements seamlessly integrate to offer a smooth frequency response, spanning from 50Hz to 20kHz (-10dB), while maintaining phase coherence. The high frequencies are channeled through a striking large horn with a consistent 80° (H) × 60° (V) constant directivity, ensuring even sound projection.

Designed to cater to various installation requirements, the SA-12 has practical M10 mounting points on its top and sides. Its versatile pole mount adds further adaptability. With a sensitivity of 96dB and an AES power rating of 450W, the SA-12 employs a rear-ported enclosure design which effectively minimizes group delay in the low-frequency range, enhancing the perception of low-frequency speed and reducing nonlinear distortion. The outcome is a captivating and agile low-frequency impact that effortlessly resonates in any acoustic environment.

The SA-12 excels in delivering rich and inviting mid-low frequencies, which harmonize beautifully with the clarity and brightness of its mid-high frequencies. While SA-12 shines as a standalone sound reinforcement speaker it intergrades seamlessly with any of the FPA subwoofers.

Constructed from 15mm birch plywood, finished in a durable black water-based paint. Two NL-4 sockets for seamless connectivity. Rotatable logo for versatility, fitted with a black perforated iron grille lined with acoustically transparent fabric.



Power Handling	450 W (AES)
Program	900 W
Peak	1800 W
Nominal Impedance	8 Ω
Average Sensitivity	96 dB @ 1W/1m
Calculated Maximum SPL / 1m	122 dB (continuous)
Program	125 dB (program)
Peak	128 dB (peak)
Frequency Response (-6dB)	50 Hz - 18 kHz
Manufacturing Consistency	200 Hz to 10 kHz (±3 dB)
Nominal Directivity (-6dB)	80° (H) x 60° (V)
Recommended Amplifier	≤ 800 W @ 8Ω (no clip) in specified frequency response
Recommended Low Cut Full Range: with Sub:	50 Hz, 18 dB/ oct Butterworth 70 to 140 Hz, 24 dB/ oct Linkwitz-Riley
Crossover	Passive @ 2.2 kHz
Low Frequency Driver	Fane transducer, 8Ω impedance, 12" (300 mm) diameter, 3" high temperature voice coil on glass fibre former
High Frequency Driver	Fane 1" (25 mm) exit, 1.75" (44 mm) voice coil, polymer diaphragm

Flying Hardware	13x M8 Internal mounting points 6x M10 Internal mounting points
Pole Mount	35 mm
Connectors	2 Neutrik Speakon NL4
Cabinet	CNC made with tongue and groove assembly, 15 mm void-free, exterior grade, birch plywood
Finish	Black water-based paint
Cabinet Size (HxWxD)	600 x 355 x 395 mm
Shipping Carton Size (HxWxD)	690 x 405 x 445 mm
Weight	22.5 kg net 25 kg gross

