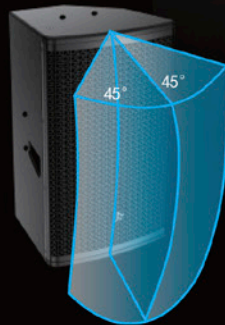


HP-12

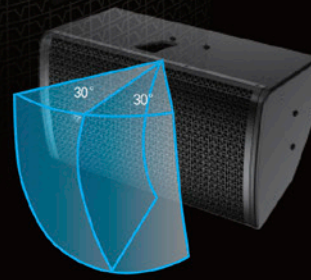
HP SERIES



HORIZONTAL
COVERAGE



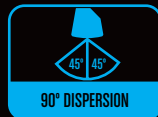
VERTICAL
COVERAGE



OVERLOAD PROTECTION



POINT SOURCE



90° DISPERSION



FRONT PORTED



PD DRIVERS



ACOUSTIC HORN DESIGN

FEATURES

- + Precision Devices 3 inch (75mm) voice coil composite metal diaphragm ferrite tweeter.
- + Precision Devices High-efficiency and high-rigidity cone 12-inch woofer.
- + 90° × 60° coverage angle achieves uniform response on-axis and off-axis.
- + Constructed with 18mm multi-layer plywood, surface treated with wear-resistant paint.
- + Sonic Guard protection technology effectively protects the tweeter from overloading.
- + Built-in 35mm pole mount.
- + Preset universal mounting points.
- + Rotatable Logo.

APPLICATIONS

- + Party-style KTV, sound reinforcement, night clubs.
- + Can be used as fill, system delay and diffusion for the main PA system.
- + Bars, restaurants, schools, offices, meeting rooms.
- + Leisure and entertainment venues, DJ monitoring.
- + Theatre, Theatre Auxiliary Fill.



HP-12

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

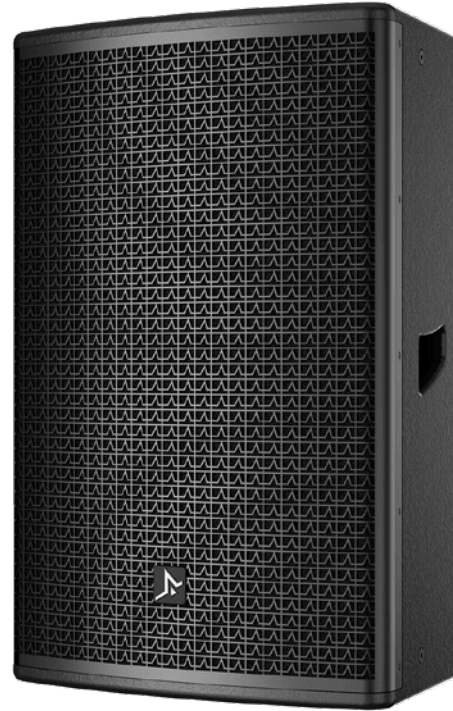
The HP-12 is a high-performance, compact front-ported speaker designed for use in venues such as party-style KTV, sound reinforcement, bars, nightclubs, and similar venues.

HP-12 delivers a remarkably smooth frequency range from 60Hz to 20kHz (-10dB) with an exceptionally flat phase curve. The HP-12 enclosure features a trapezoidal design with wedge functionality, providing versatility for both main sound reinforcement and monitoring applications. The front of the HP-12 accommodates a 12-inch, Precision Devices, low-frequency driver with a 76.2mm voice coil along with a 3-inch ferrite high-frequency driver mounted on a 90° (H) × 60° (V) constant directivity horn.

Both the top and sides of the speaker are equipped with M10 mounting holes for suspension installation, and a 35mm pole mount to the base.

The HP-12 speaker achieves a sensitivity of 97dB, an AES power of 500W. As a result, it achieves a harmonious balance between speed, power, and thickness in the low frequencies, resulting in a dynamic and elastic low-frequency effect that excels in any environment.

The enclosure is constructed from 18mm plywood and finished with a durable black water-based paint. Two ergonomic handles are installed on either side of the speaker to facilitate installation and transportation. The rear panel features two NL-4 four-core sockets for connections (1+1- input, 2+2- link). The rotatable logo enhances suitability for various speaker angles. The black perforated iron grille is lined with acoustic fabric to effectively combat moisture and dust, all while safeguarding the speaker units.



Power Handling Program Peak	500 W (AES) 1000 W 2000 W
Nominal Impedance	8 Ω
Average Sensitivity	97 dB @ 1W/1m
Calculated Maximum SPL / 1m Program Peak	124 dB (continuous) 127 dB (program) 130 dB (peak)
Frequency Response (-6dB)	65 Hz - 19 kHz (±3 dB) 60 Hz - 20 kHz (-10 dB)
Manufacturing Consistency	200 Hz to 10 kHz (±3 dB)
Nominal Directivity (-6dB)	90° (H) × 60° (V)
Recommended Amplifier	≥ 800 W @ 8Ω (no clip) in specified frequency response
Recommended Low Cut Full Range: with Sub:	60 Hz, 18 dB/ oct Butterworth 80 to 140 Hz, 24 dB/ oct Linkwitz-Riley
Crossover	2 way passive
Low Frequency Driver	Precision Devices ferrite transducer, 8Ω, 12" (300 mm) diameter, 3" high temperature voice coil on glass fibre former
High Frequency Driver	Precision Devices compression driver, 36 mm throat size, 3" (75 mm) voice coil, 8Ω

Flying Hardware	13x M8 Internal mounting brackets 4x M10 Internal mounting brackets
Pole Mount	35 mm
Connectors	2 Neutrik Speakon NL4
Cabinet	CNC made with tongue and groove assembly, 25mm and 18 mm void-free, exterior grade, birch plywood
Finish	Black water-based paint
Cabinet Size (HxWxD)	640 x 390 x 368 mm
Shipping Carton Size (HxWxD)	730 x 480 x 440 mm
Weight	28 kg net 30 kg gross

