

INSTALL Series

2 way passive loudspeaker system

Audio-Performance KM12

The KM12 is a compact two-way passive system that employs a single AP-12" low frequency driver mounted in a B-6 type vented enclosure. The high frequency unit is a one inch ferro fluid cooled driver coupled to a 40° / 90° x 60° AP asymmetrical horn. The system incorporates a low loss 2 way passive filter designed for flat frequency response and optimal phase alignment.

The cabinet is constructed of high quality 15mm plywood and finished with black epoxy paint.

The KM12 comes with a 35mm tube adapter.

Its multi-angle design allows you to use the KM12 in a variety of applications. By rotating the asymmetrical horn, the KM12 can be configured as front of house or as stage monitor system.

To rotate the horn, simply removed the front grill by removing it's 4x M5 screws, then remove the 4x horn's M5 screws, and put it in one of the four positions. Note that the horn carries a sticker showing the FOH and stage monitor position.

The KM12 and SUB's work together with the ALC48 digital controller or the AP5000 or AP44M6 SMPSU Audio Power Amplifier & DSP as a system.



IDEAL FOR

Front of house
or
Stage monitor
system

KTV
Concert halls
Clubs
Discotheques
Theatres

Special Features

Asymmetrical horn

High efficiency

Low distortion

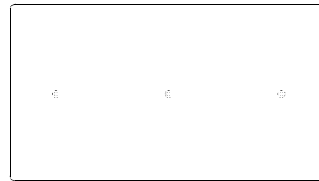
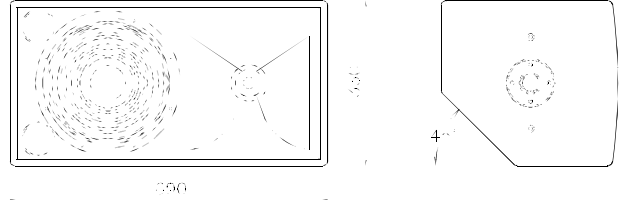
Processor controlled

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KM12 Specifications

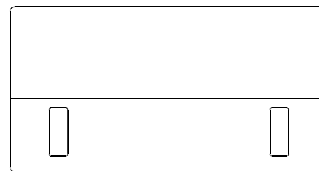
Acoustical

Frequency response (1)	55-20'000 Hz ± 3dB
Max. peak SPL (2)	131dB
Coverage	40°/90° by 60° (4 positions)
Crossover frequency (3)	1200Hz
Power handling	400W (AES) (4)

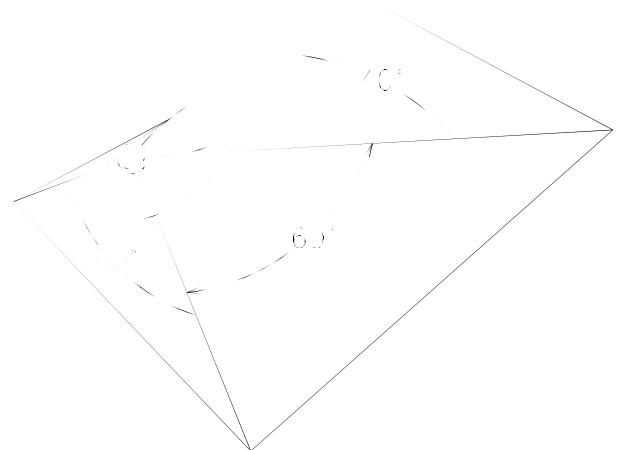


Transducers and electrical

Low frequency	12 inch, long excursion, low distortion cone driver
High frequency	2 inch diaphragm ND compression driver, loaded with asymmetrical horn
Nominal impedance	8 Ohms
Connectors	2 x Neutrik Speakon, model NL4MP (wired in parallel) 1+: SP+, 1-: SP-, 2+, 2-: link

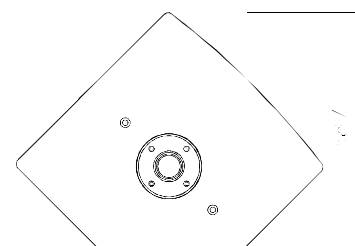


The coverage pattern of the asymmetrical horn.
Vertically 60° and horizontally smoothly changing from 90° to 40°



Mechanical

Cabinet shape	multipurpose FOH or floor monitor
Cabinet size (W x H x D)	690 x 360 x 385mm
Cabinet, finish	15mm plywood, black textured
Mounting system	one 35mm K&M tube stand adapter
Rigging	11x M8 screws
Protective grill	Hexagonal perforated 1.6mm steel grill covered with charcoal grey foam.
Weight	21 kg



**Low Profil
Stage Monitor**