



hd LSA12
LineSourceArray Module

Brilliant speech intelligibility paired with dynamic tonality an complemented by an extreme spatial resolution and depth of effects is exceptional and up to this point only familiar from significantly larger systems.

With the integrated three-point FastRig rigging system vertical arrays of up to 16 elements can be flown safely and the vertical coverage angle can be set precisely in 1° steps from 0° to 11°. All components and quick lock pins are fastened to the cabinet. The various horns available for the high frequency units allow symmetrical and asymmetrical horizontal coverage angles for fixed installations, to adjust the audio system precisely to the audience and avoids annoying reflections from walls or obstacles. The special SuperVentedDesign ensures a dynamic and broadband reproduction below 45 Hz in fullrange mode. For high performance applications the system response can be extended with the hd Sub-Series below the subsonic frequency range.



hd UniFrame16
RiggingFrame

hd LSA-Series

LineSourceArray

The hd LSA12 is an efficient LineArray element of the latest generation, equipped with a specially designed high performance 12“ neodymium low frequency chassis. The high frequency unit is equipped with two 1.4“ neodymium compression drivers with special polymer diaphragm coupled to dedicated line source wave formers to generate a cylindrical wave front.

Extensive accessories for easy and safe transport or rigging adaptors like the hd LSA12-SF6 small frame to safely fly up to six elements as well as the larger hd UniFrame16 allows up to flown 16 modules according to BGV-C1. The multi-functional time- and cost saving rigging frame allows practice-oriented flown- or ground-stacked applications with the hd LSA-Series or the hd HLS-Series.

Operation takes place with Harmonic Design® system amplifiers and guarantees outstanding performance and compatibility even in the worst circumstances as well as highest efficiency in terms of power consumption, truck space and output level. The hd LSA12-TourSys1 and the larger hd LSA12-TourSys2 are the perfect matched complete LineArray systems for beginners and advanced LineArray users. Several TourSys systems can be put together to cover audiences of up to 15.000 listeners.

Up to six loudspeakers can be connected in parallel to the Harmonic Design® system amplifiers. An optional available passive phase optimized crossover allows a simple and quick operation on a single system amplifier channel. The 2 way active standard mode guarantees strict neutrality and no compromise high end sound for all maximum performance applications.

An accurate prediction of the radiated sound field as well as calculation the optimum splay angles for the given setup is possible with EASE Focus.



Key Features

- passive 2-way loudspeaker 1x 12“N / 2x 1.4“N
- power handling 600 W / 2400 W (AES/Peak)
- coverage 90° x 15° or 120° x 15°
- optional frequency- and phaseoptimized crossover (hd LSA12P)
- most compact dimensions, linear system tuning
- integrated 3-Point FastRig-Rigging
- weight 27 kg

Applications

rental companies, live music, DJ, concert halls, mobile use, discotheque, sports arenas

Options

passive (hd LSA12P), hd LSA12-SF6, hd UniFrame16, hd LSA12 TourCase Dolly, RAL color

for extended low frequency usage

hd Sub15, hd Sub18, hd Infra218

Model	Transducers	Impedance	Power Rating RMS / Peak	Sensitivity (1W / 1m)	SPLmax	Freq. Range (-6dB)	Weight	Dimensions W x H x D (mm)
LSA12	1x 12“N	LF: 8 Ω HF: 16 Ω	600 / 2400 W	LF: 105 dB HF: 110 dB	138 dB	45 Hz - 20 kHz	27 kg	575 x 340 x 430
LSA12P	2x 1.4“N	passive XO: 8 Ω		105 dB	138 dB		28 kg	