

hd HLS16

HybridLineSource

- HybridLineSource™ 2x 8"N / 2x 1.4"N
- power 700 W / 2.800 W (AES/Peak)
- coverage 100° x 40°
- optional frequency and phase optimized XO (HLS16P)
- pre-inclined tripod adaptor by 2.5°
- integrated 3-point FastRig™ rigging
- weight 23 kg



The **hd HLS16** is a new loudspeaker system developed by Harmonic Design that is unique in the world and drastically reduces transport costs while bringing the quality of the sound system to a new level of uniformity and freedom from distortion. The HybridLineSource™ system, which is equipped with two specially developed high-performance 8" neodymium woofer drivers, achieves an efficiency of 105 dB in the low/mid range. The extremely large high frequency unit consists of two 1.4" neodymium compression drivers with a special polymer diaphragm, which, coupled to two waveguides, generate a cylindrical wave front with a vertical sound opening angle of 40°. Due to the symmetrical, coaxial structure, the horizontal radiation behavior is free of interference in the crossover area and is absolutely uniform over an angular range of 100°.

The innovative and unique hybrid horn, bass reflex and coaxial housing design ensures enormous efficiency, extremely compact dimensions and an undistorted maximum sound pressure of 137 dB. The hd HLS16 HybridLineSource™ system sets new standards in all disciplines for sound reinforcement requirements for up to 600 people. By using two powerful high-frequency drivers, distortion is reduced to an absolute minimum while providing enormous reserves for sound over long distances. The mechanical design allows applications on a speaker stand or flown vertical arrays. The integrated tripod adaptor is pre-inclined by 2.5°.

The special SuperVented design enables dynamic and broadband playback without the use of subwoofers. Extensive accessories for transport as well as the hd HLS16-RF6 for flying up to six elements enable the greatest possible flexibility for daily changing sound reinforcement tasks, as well as optimal integration into fixed installation applications. Operation takes place exclusively via the hd system amplifiers and guarantees outstanding performance and compatibility, as well as maximum efficiency in terms of power consumption, pack size and output. The hd HLS16-TourSys is the perfectly coordinated all-round complete sound system for sound reinforcement tasks for up to 600 people. hd Sub18 or hd Infra212 are preferably used as subwoofers.

Type	Transducers	Impedance	Power AES / Peak	Sensitivity (1W / 1m)	SPLmax	Freq Response (-6dB)	Weight	Dimensions B x H x T
HLS16	2x 8"N	LF: 4 Ω, HF: 8 Ω	700 / 2800 W	LF: 105 dB HF: 110 dB	137 dB	70 Hz - 20 kHz	23 kg	370 x 405 x 540
HLS16P	2x 1.4"N	passive XO: 4 Ω		104 dB			24 kg	