



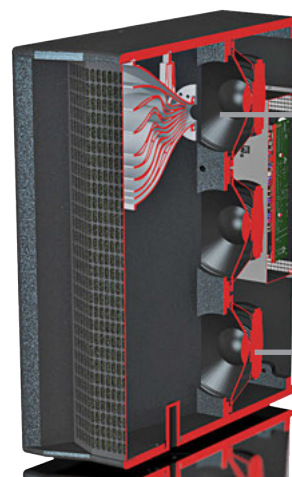
LINEAR 5 LTS A >

PRELIMINARY INFO

The L5 LTS A long-throw satellite pairs the concept of an integrated line array with the physical format of a classic compact point source. This enclosure may be flown and deployed in ground stacks. Although a single satellite achieves the long-throw performance of a conventional compact array, the L5 A LTS' special audio characteristics also let you set up acoustically correct head stacks and horizontal clusters. The two configurations may even be combined in a head-stack cluster.

The heart of the Linear 5 LTS A is the Multicell Transformer developed by HK Audio. Its unique design offers three key benefits: first, the small apertures transform waves to boost sound pressure levels so that a miniature horn is able to deliver SPL gains much like those of big horns. Second, this multi-cellular design eliminates distortion in the audible range up to 20 kHz, a common drawback of horns. Third, the nine horn cells' varying lengths and surface areas of their exit apertures are configured so as to shape a +5°/-30° curved wavefront similar to that of a full multi-component array. The Multicell Transformer is also much shorter than a conventional horn, so it can be mounted axially in front of three 8" woofers in a horn-loaded array. This arrangement effectively precludes phase shifting and allows the 8" speakers to be placed at the perfect positions in the array to achieve remarkable volume levels, low-ranging frequency response, and powerful low mids.

Able to deliver unusually high SPL with a long reach and minimal distortion, the L5 LTS A is a most enticing alternative to conventional compact line arrays in terms of both price and audio performance. It is an exceptionally efficient, easy-to-handle sound reinforcement tool for professional hire companies, and is sure to impress when installed in clubs. Custom stacking and rigging accessories make it an even more versatile multipurpose speaker. A cover protects it from the rigors of touring and rental use. Data is available for Ease Focus simulation software so systems are easily modeled for optimum installation. Equipped with DSP-controlled active electronics, the Linear 5 LTS A may be paired with the legacy Bass L SUB 2000 A subwoofer and with the new L SUB 4000 A subwoofer.

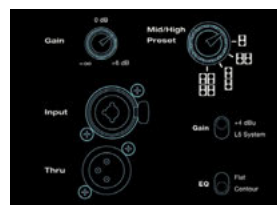


Multicell Transformer

- Extremely high SPL
- Peerless in low THD
- Curved wave (+5°/-30 degrees)
- Enables both head stacking and horizontal clustering in acoustically correct setups

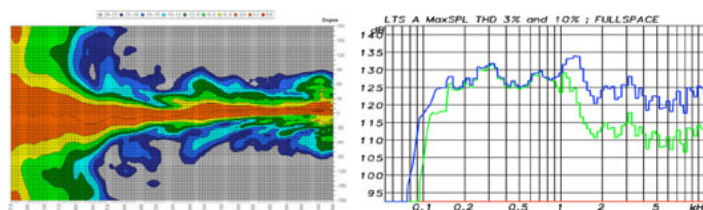
8"-inch array

- Horn loaded
- Powerful low mids
- Perfect line coupling in head stacks
- Trapezoidal enclosure sets a 15° cluster angle



Preset selector

- Solo mode
- Horizontal cluster
- Head stack
- Head stack cluster

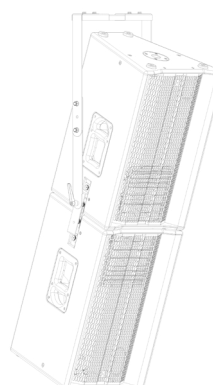


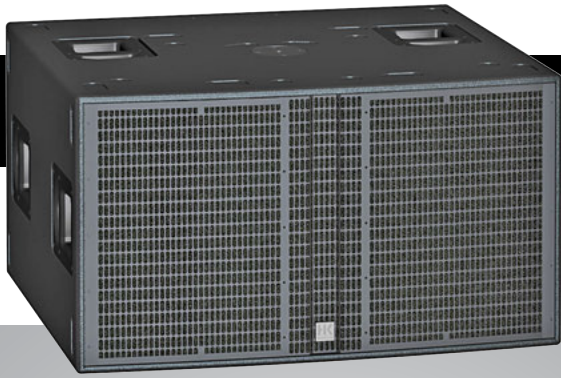
> TECHNICAL SPECIFICATIONS

- Power output:** 1000 watts class D (650 watts + 350 watts, bi-amped)
- Max. SPL peak:** 140 dB (half space)
- Frequency range:** 90 Hz to 20 kHz (-10 dB)
- Directivity:** 60° horizontal, +5°/-30° vertical
- HF:** 1 x 1" compression driver with a 1.7" voice coil, MCT
- Low mids:** 3 x 8" neodymium, horn loaded, Helmholtz resonator
- X-over frequency:** 1.7 kHz, FIR phase-corrected
- Housing:** Birch multiplex, 2 mm metal grille
- Dimensions:** 44 x 68 x 46.1 cm (WxHxD)
- Weight:** 24.7 kg

> ACCESSORIES

- Tilt bracket / rigging harness
- Head Stack Extension Pack
- Cluster plate
- Crank-up speaker extension pole
- AP-8 rigging point
- Rain cover





LINEAR SUB 4000 A >

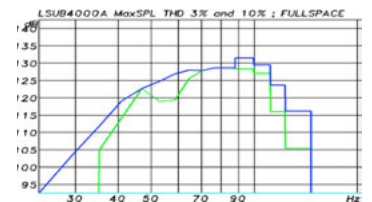
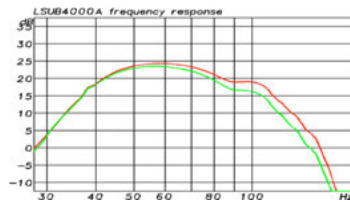
The L SUB 4000 A enhances the Linear series with a versatile bass bin that can serve as a sub-low add-on to the SUB L 2000 A and can be paired with all Linear fullrange and satellite speakers. The chambers of this double-ventilated band-pass enclosure were tuned differently to serve these dual purposes. One channel is tweaked for ultra low frequencies starting at 30 Hz and the other for the kick-bass range up to 100 Hz.

The L SUB 4000 A's band-pass enclosure and electronics are designed to deliver phase-corrected response when paired with the L SUB 2000 A. This means it can be added to a legacy system without requiring additional outboard controllers. The preamp is stereo so a single L SUB 4000 A may be deployed as a central sub-low bin for a stereo system.

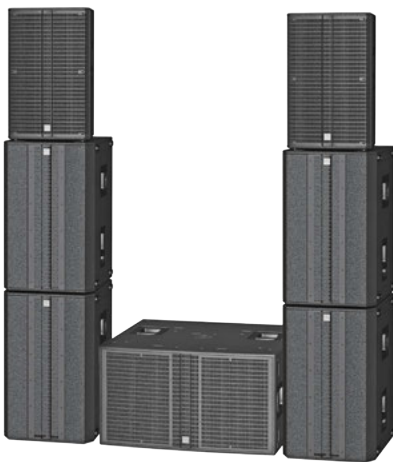
The L SUB 4000A delivers high maximum SPL as well as a dynamic, deep-ranging response. It renders signal peaks with remarkable fidelity even when pushed very hard. Its impressive performance makes it an excellent choice for demanding gigs and installation in discerning clubs. The L SUB 4000 A also provides the perfect low-end support for the new Linear 5 LTS A. Real long-throw systems are readily set up with this winning combination.

> TECHNICAL SPECIFICATIONS

Power output:	1200 watts class D
Max. SPL peak:	137 dB (half space)
Frequency range:	31 Hz to X-Over
X-over frequency:	70 / 100 Hz, variable, 24 dB / octave
Speaker:	1 x 18", double vented band-pass enclosure
Housing:	Birch multiplex, 2 mm metal grille
Protective circuits:	Peak limiter, subsonic filter
Dimensions:	90.8 x 50.8 x 80.1 cm (WxHxD)
Weight:	59 kg



> EXAMPLE SYSTEMS



Big venue center with an add-on subwoofer
 2 x L5 115FA
 4 x L SUB 2000 A
 1 x L SUB 4000 A



Long-throw system
 2 x L5 LTS A
 4 x L SUB 4000 A
 2 x Crank-up speaker extension pole



Head stacks
 4 x L5 LTS A
 6 x L SUB 4000 A