

LINEAR 3 112 XA

TOP PERFORMANCE TO TRUST >

Active multifunctional speaker

Part number: 1007758

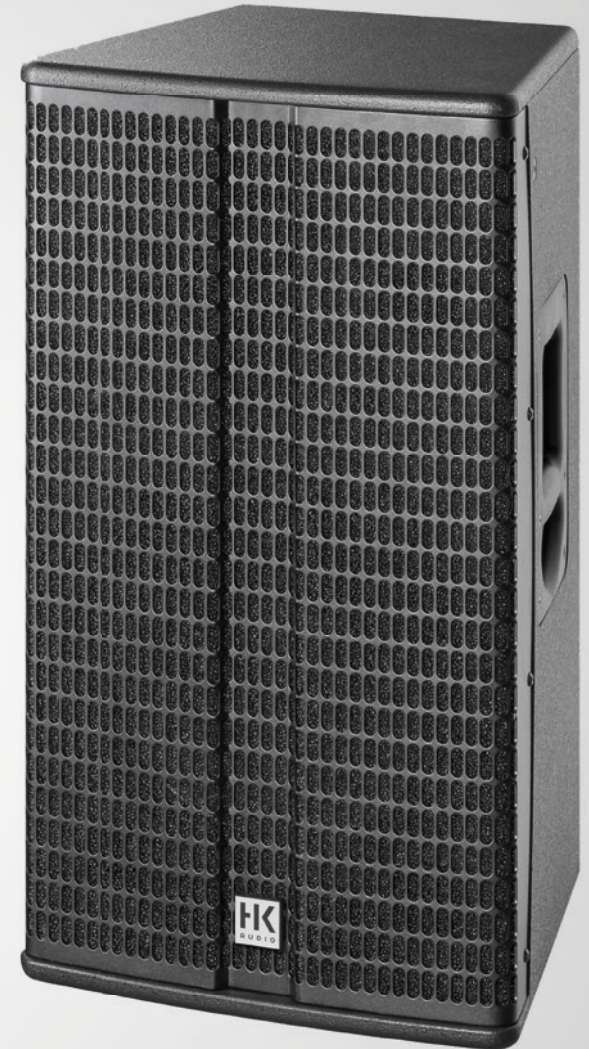
The LINEAR 3 112 XA multifunctional speaker is not only an excellent PA speaker for small to medium-sized events, but thanks to its slanted cabinet, it is also the first choice for use as a stage monitor.

Equipped with the same DSP features as the two full-range models in the LINEAR 3 series, the LINEAR 3 112 XA also delivers impressively high sound pressure, crystal-clear sound and simple operation. Thanks to integrated EQ presets, the LINEAR 3 112 XA can be quickly and easily adapted to various stage situations and locations.

LINEAR 3 has been developed for bands, musicians and DJs who are regularly on the road with their own PA and no sound engineer and who are looking for a powerful sound without a large amount of additional effort. The LINEAR 3 112 XA meets precisely this challenge.

Characteristics

- Active multifunctional speaker for use as a front PA or monitor
- High amplifier output of 1,200 W class D bi-amped
- Balanced, high-resolution sound
- High sound pressure of 135 dB SPL for sound applications with up to 500 people
- Advanced DSP technology for high-end sound results
- “Intelligent Multiband Limiter” ensures consistent sound characteristics
- FIR separation for transparent mid-frequencies
- Four different EQ presets for flexible applications
- No fatigue during listening thanks to low harmonic distortion
- Simple acoustic control of the system, even from the stage
- Accurate PA focus, reducing reflections from walls and ceilings
- Perfect combination options with the LINEAR SUB L SUB 1500 A and L SUB 1800 A subwoofers



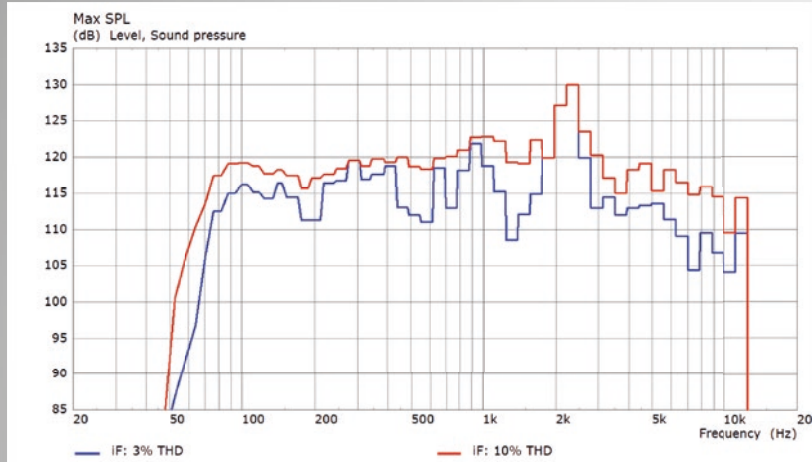
LINEAR 3 112 XA

Technical data

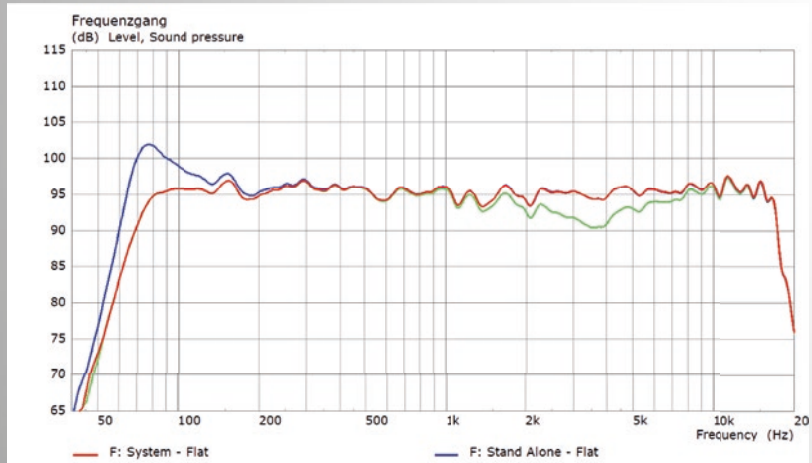
| LINEAR 3 112 XA | |
|-------------------------------|---|
| Max. SPL @ 10% THD | 126 dB half space (70 Hz – 12 kHz averaged) |
| Max. SPL peak @ 10 % THD | 135 dB half space |
| Frequency response +/-3 dB | 67 Hz – 18 kHz |
| Frequency response -10 dB | 62 Hz – 18 kHz |
| Power amp output (peak power) | 1200 W |
| Preamp | DSP (Time Alignment) |
| Amp type | Class D - biamped |
| Active protective circuits | Under-voltage, thermal, short circuit, over-current protection, subsonic filter, look ahead temperature control, peak, RMS and multiband limiters |
| Low-/mid speaker | 1x 12", 2" voice coil |
| HF driver | 1", 1" voice coil |
| Horn directivity | 90° x 55° CD horn |
| Active crossover frequency | 2.3 kHz FIR X-over with 72 dB/oct. |
| Audio ports in | 2x XLR combo balanced, 1x Stereo RCA |
| Audio ports out | 2x XLR Thru balanced, 1x XLR Mix Out |
| Input sensitivity | +4 dBu @ Gain center-notched |
| Sensitivity switch | Line/Mic Input A |
| Filter presets | 2 EQ switches: Bass Boost/Flat & Flat/Contour |
| Mains connector | 1x IEC socket with V-Lock cord retainer |
| Power consumption | 3 A / 220-240 V (6 A / 100-120 V) nominal according to EN 60065 |
| Angels up (Monitor angle) | 33° |
| Pole mount | DuoTilt 3°/7° |
| Rigging points | 4x M8 (AP-8) |
| Carrying handles | 1x SingleGrip, 1x MultiGrip |
| Housing | 16 mm MDF |
| Finish | Black acrylic enamel |
| Front grille | 2 mm metal grille backed with black acoustic foam |
| Dimensions (WxHxD) | 39.5 x 66 x 34 cm 15-9/16 x 26 x 13-25/64" |
| Weight | 20.6 kg / 45.5 lbs |



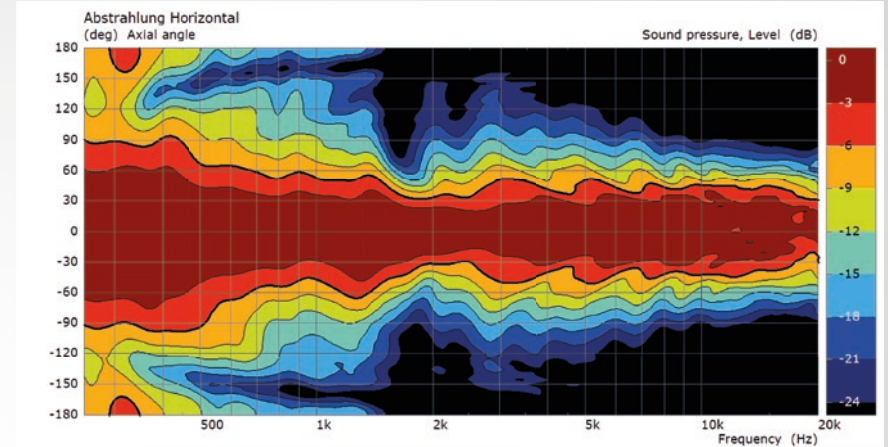
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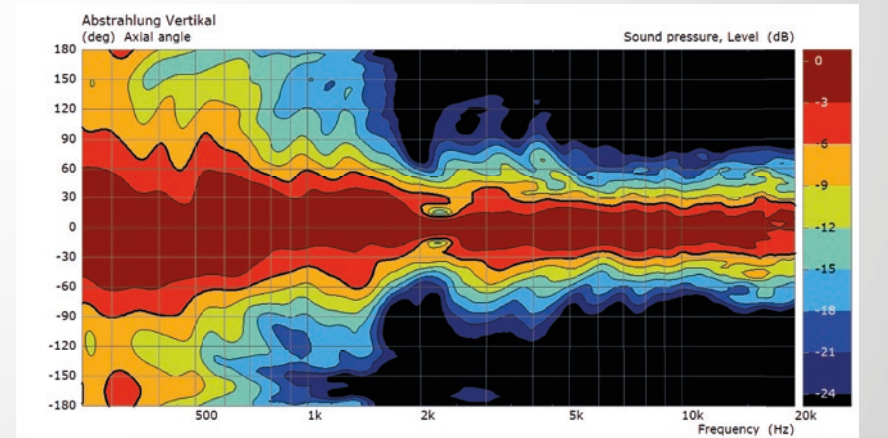
Max. SPL
(blue= 3% THD, red= 10% THD)



Frequency response
(blue= Monitor, red= Flat, green= Lowcut)



Horizontal directivity



Vertical directivity

Accessories



AP-8

Part number: 1007376

With a load capacity of up to 360 kg (WLL), the attachment point allows for the safe installation of the LINEAR 3 112 XA on steel cables or chains. The AP-8 comes as a set of three mounting points.



Tilt-Unit

Part number: 1007538

To tilt the mid/high units when mounted directly on subwoofers, HK Audio offers the Tilt-Unit as an accessory which can be screwed into the M20 mount of the LINEAR SUB 1500 A and 1800 A just like a mounting pole. This means that the Duo-Tilt can also be used at tilt angles of both -3° and -7° in a stack setup, and the Tilt-Unit prevents the mid/high units from slipping. What's more, in a full-stack setup, the Tilt-Unit ensures the LINEAR 3 112 XA is correctly positioned on the subwoofer.



Stereo Pole Add-On XLR

Part number: 1007635

The Speaker Stand Add-On Package XLR consists of two height-adjustable tripods, two XLR cables and a carrying bag. Thanks to these accessories, the active mid/high units can be used in stand-alone applications on the tripods or in combination with a LINEAR SUB 1500 A or LINEAR SUB 1800 A as a 2.1 system. The signal is wired using the XLR cables supplied.

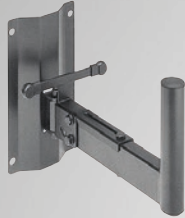


Speaker Stand Add-On Package XLR

Part number: 1007748

The Stereo Pole Add-On XLR Set consists of two height-adjustable König & Meyer M20 mounting poles, two high-quality XLR cables and a carrying bag. This set allows the mid/high units to be positioned at the right height, directly above the subwoofer, and connected via XLR cable.

Accessories



BWH-1

Part number: 1006109

The BWH-1 speaker wall bracket can be combined with all HK Audio speakers that have a Mono Tilt or DuoTilt speaker stand mount in order to install them securely on walls. The speaker can be aligned up to 120° horizontally and 45° vertically with a maximum load of up to 50 kg.



LINEAR 3 112 XA Cover

Part number: 1007621

The padded protective transport cover made of durable nylon provides the required protection during transport. The convenient handle recesses also ensure safe and comfortable handling.

LINEAR 3 112 XA

