

LINEAR 9 110 XA

THE SCALABLE LONG THROW LINE

Active multifunctional speaker

Part number: 1007856

The LINEAR 9 110 XA is an active multifunctional speaker with an 80° x 60° rotatable, wide-angle horn, optimised for homogeneous near-field dispersion. The multifunctional housing combined with the practical features enhances the range of applications. This ensures that the LINEAR 9 110 XA can be used not only as a stage monitor, but also as a front, side or near-fill addition.

The heart of the LINEAR 9 110 XA is the integrated DSP, which can be controlled via the HK Audio DSP CONTROL software. The software offers the user numerous options for on-site system equalization and adjustment, such as a fully parametric 10-band EQ or group functions. Four DSP presets can be selected directly on the speaker without a PC connected. In addition to three standard presets (Flat, Monitor and Low Cut), a fourth user-designed preset can also be recalled.

The robust birch multiplex enclosure with resistant PU coating protects the LINEAR 9 110 XA not only from wind and the elements but also during transport from the storage to the venue and back again. All LINEAR 9 models are manufactured in Germany.

Features

- Active multifunctional loudspeaker with network control
- 1 x 10-inch bass-midrange driver with 2.5-inch voice coil
- 1 x 1-inch compression driver with 1.4-inch voice coil
- Rotatable CD horn, 80° x 60° (horizontal x vertical)
- DSP platform with fully parametric 10-band EQ, delay and limiting for uncompromised individual adjustment
- Modern network technology for precise control of all DSP features
- Additional DSP-Out with the full range of features for integration of non-network-compatible loudspeakers
- Direct access to easily selectable presets on the speaker for use as a monitor or system speaker
- High-resolution AD/DA converters with 96 kHz, FIR filtering and low latency of less than 2.6ms
- Multi-purpose housing for use as a FoH or monitor speaker thanks to 30° housing angle
- DuoTilt for 3° or 7° tilt for tripod mounting
- User friendly rigging and mounting options
- Professional, lockable PowerCon and EtherCon connections
- Sturdy enclosure made of birch multiplex with PU coating
- Made in Germany



LINEAR 9 110 XA



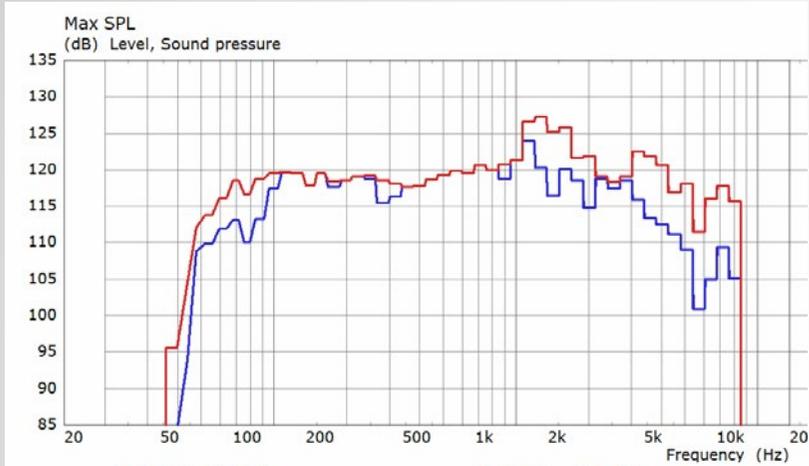
Technical data

LINEAR 9 110 XA	
Max. SPL @ 10 % THD	126 dB half space (70 Hz – 12 kHz averaged)
Max. SPL Peak @ 10 % THD	129 dB half space
Frequency response +/-3 dB	70 Hz – 19 kHz
Frequency response -10 dB	65 Hz – 20 kHz
Power amp output (RMS)	700 W
Amp type	Class D - biamped
Low-/mid speaker	1x 10", 2.5" voice coil
HF driver	1", 1.4" voice coil
Horn directivity	80° x 60° CD horn, rotatable
Active crossover frequency	2 kHz FIR X-over with 60 dB/oct.
Maximum input level	+20 dBu
Analog inputs	1x XLR combo balanced
Analog thru	1x XLR balanced
DSP Out	1x XLR balanced
Network port	Ethercon RJ45, 1x In, 1x Thru
Filter-presets	Flat, Monitor, Low Cut, Remote
Remote-Software	DSP CONTROL (Windows, macOS)
DSP functions	Fully parametric 10-band EQ with variable filter characteristics, High-Pass Filter, Low-Pass Filter, Polarity, Level, Delay, Limiter, Mute
Sample rate	96 kHz
System latency	Less than 2.6 ms
Mains connector	1x Powercon NAC3 In, 1x Powercon NAC3 Thru, 100-240 V
Power consumption	1 A / 100-240 V nominal according to EN 62368-1
Angles up (Monitor angle)	30°
Pole mount	DuoTilt 3°/7°
Rigging points	5x M8 (AP-8)
Carrying handles	2x SingleGrip
Housing	Birch multiplex
Finish	PU coating black
Front grille	2 mm metal grille backed with black acoustic foam
Dimensions (WxHxD)	36 x 54 x 31 cm 14-11/64 x 21-1/4 x 12-13/64"
Weight	16,5 kg / 36,4 lbs

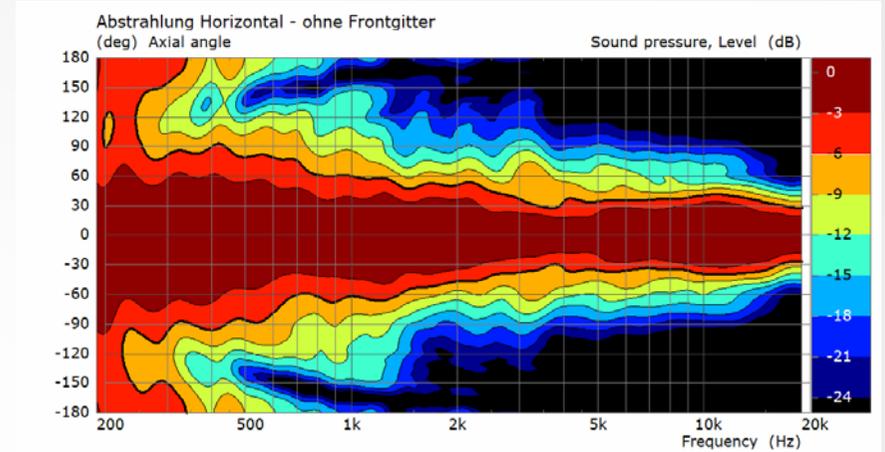


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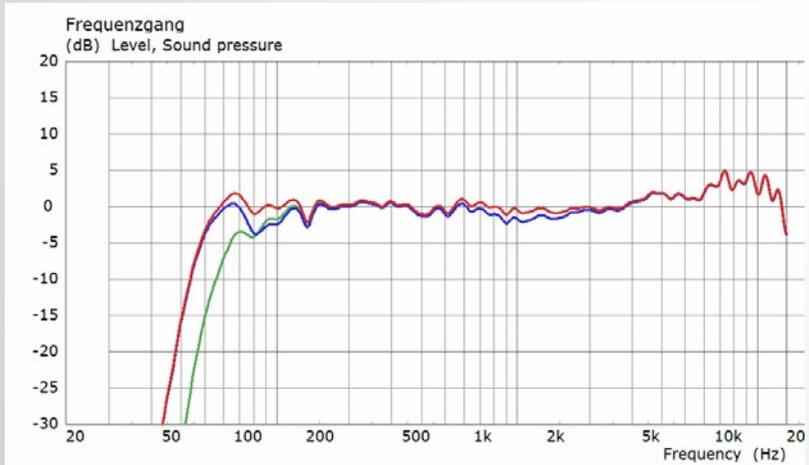
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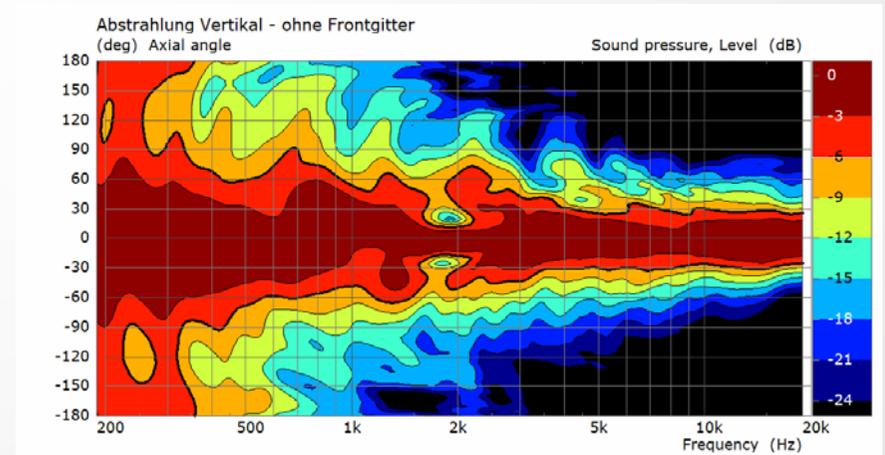
Max. SPL
(blue= 3% THD, red= 10% THD)



Horizontal directivity



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



Vertical directivity

Accessories



TB-28N

Part number: 1007780

The TB-28N is a tilt bracket for mounting speaker cabinets on truss rods, ceilings, wall brackets, beams and on tripods. It is compatible with the XA models of the LINEAR 7 and LINEAR 9 series. Flexible vertical and horizontal alignment is possible.



Tilt-Unit

Part number: 1007538

For mounting directly on the subwoofer. This means that the DuoTilt 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.



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 XA models on steel cables or chains.



Protection Cover LINEAR 9 110 XA

Part number: 1007988

The Protection Cover LINEAR 9 110 XA is a padded transport protection cover. Thanks to the convenient handle recesses, the protective cover can remain on the box permanently during installation and dismantling.

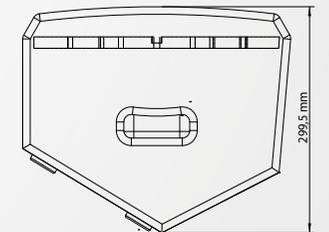
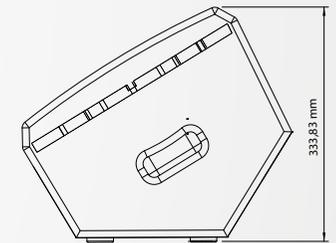
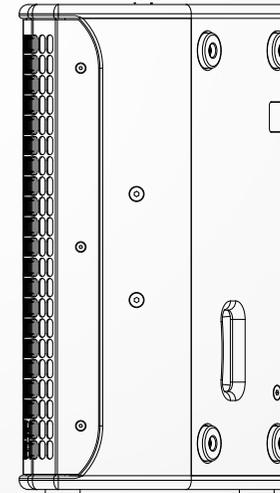
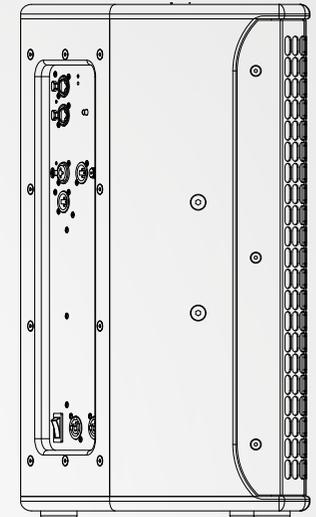
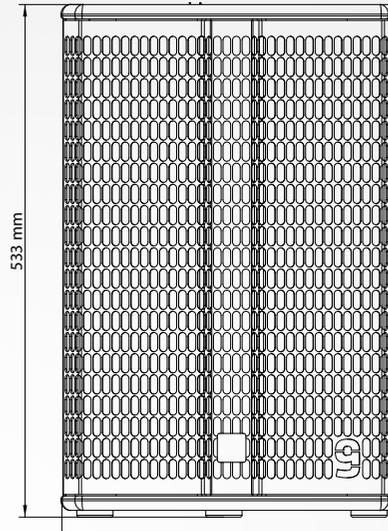


Weather Protective Cover for LINEAR 9 110 XA

Part number: 1007994

The Weather Protection Cover LINEAR 9 110 XA is a padded rain cover for protection during transport and operation with a rollable, splash-proof and sound-permeable gauze. Thanks to the practical handle recesses, the rain cover can remain permanently on the multifunctional speaker and at the same time all connection and control panels remain accessible.

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Simulation and CAD files, tender specifications, certificates and much more can be found at www.pro.hkaudio.com

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