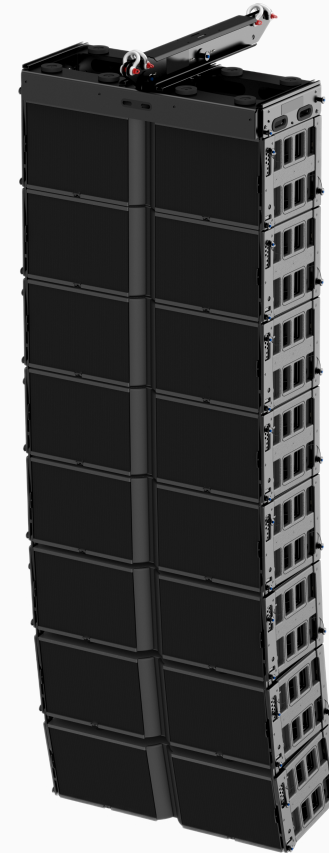


K1

Long throw line source

- 3-way active full-range WST enclosure for large-scale events
- 149 dB maximum SPL with 35 Hz - 20 kHz usable bandwidth
- 90 degree horizontal directivity and variable-curvature line source deployment



L-Acoustics official product detail

Product Positioning

The K1 is positioned as an industry benchmark long-throw K Series line source.

Positioning

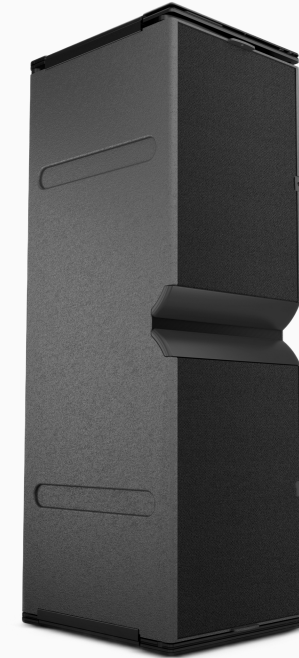
A flagship large-format line source for long-throw coverage and high SPL-to-size performance.

Application

Touring, festivals, arenas, stadium deployments and other large-scale sound reinforcement.

Core value

Coherent wavefront line source behavior, 90 degree waveguide directivity, rugged rigging and LA12X amplified control.



Key Performance

149 dB

Maximum SPL

35 Hz-20 kHz

Usable bandwidth

90°

Horizontal directivity

2x15 / 4x6.5 / 3x3"

LF / MF / HF drivers

106 kg

Net weight

LA12X

Recommended amplifier



Acoustic & Enclosure Design



3-Way Active Architecture

LF, MF and HF sections are actively driven for controlled full-range performance.

Waveguide & Coverage

HF compression drivers couple to a DOSC waveguide with 90 degree horizontal directivity.

Cabinet & Materials

Premium grade Baltic birch plywood with high-density polyethylene elements for road durability.

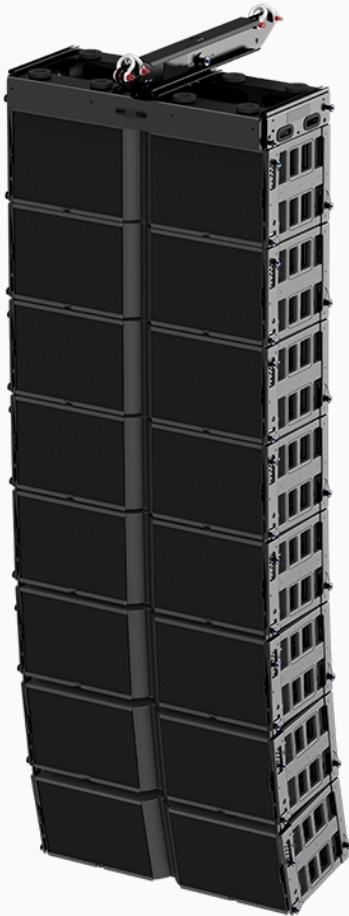
Front Protection

Coated steel grill and acoustically neutral 3D fabric protect the enclosure front.

Technical Specifications

Product Model	K1
Type	Long throw line source; 3-way active full-range WST enclosure
Drivers	LF: 2 x 15" neodymium; MF: 4 x 6.5" neodymium direct-radiating; HF: 3 x 3" diaphragm compression drivers
Frequency Response	Usable bandwidth (-10 dB): 35 Hz - 20 kHz ([K1]); Architect Specs also note 38 Hz - 19 kHz (-6 dB), 42 Hz - 19 kHz (-3 dB)
Rated Power	RMS power handling: LF 422 W; MF 497 W; HF 199 W
Peak Power	Not specified in official materials
Sensitivity	Not specified in official materials
Maximum SPL	149 dB ([K1])
Nominal Impedance	LF: 2 x 8 ohms; MF: 8 ohms; HF: 8 ohms
Coverage / Dispersion	Horizontal: 90 degrees symmetric; vertical: dependent upon number of elements and line source curvature; enclosure angle 5 degrees
Enclosure	LF: bass-reflex; MF: bass-reflex; HF: DOSC waveguide; premium grade Baltic birch plywood / high density polyethylene
Finish	Grey brown RAL 8019
Protective Grille	Coated steel grill; acoustically neutral 3D fabric
Connectors	2 x 8-point PA-COM; Architect Specs identify IN and LINK
Dimensions	1342 x 438 x 520 mm / 52.8 x 17.2 x 20.5 in
Weight	106 kg / 234 lb
Supplied Fittings	4 handles integrated into cabinet; inter-enclosure angles 0, 0.5, 1, 1.5, 2, 2.5, 3, 4 or 5 degrees
Recommended Amplifier	LA12X amplified controller

System Application / Rigging



- Designed for vertical line source arrays with variable inter-element angles.
- K1-BUMP and K1-DELTA support flying and rear motor attachment workflows.
- Compatible rigging accessories support K1 / K1-SB and K Series system deployment.

Deployment Options



Long-throw line source

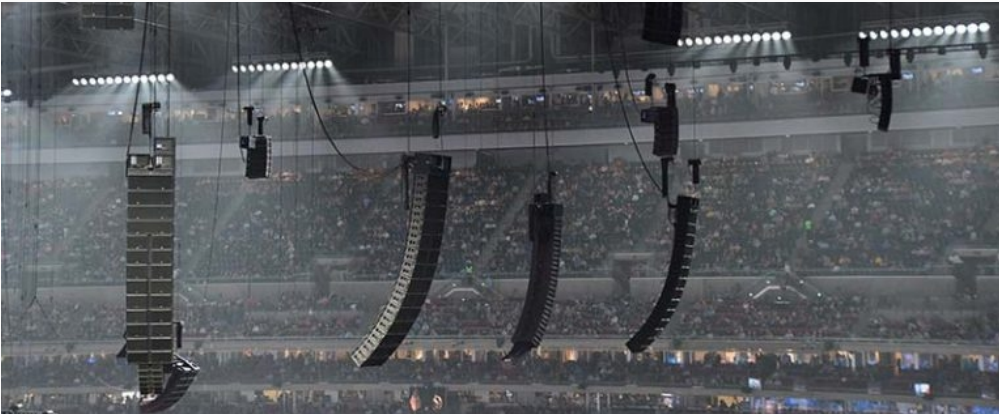
Deploy K1 in vertical lines for coherent wavefront coverage over large listening areas.

Incremental coverage

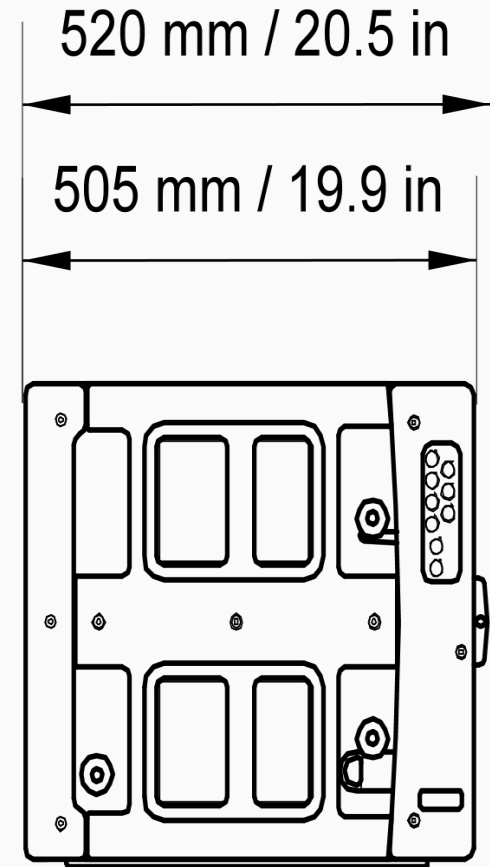
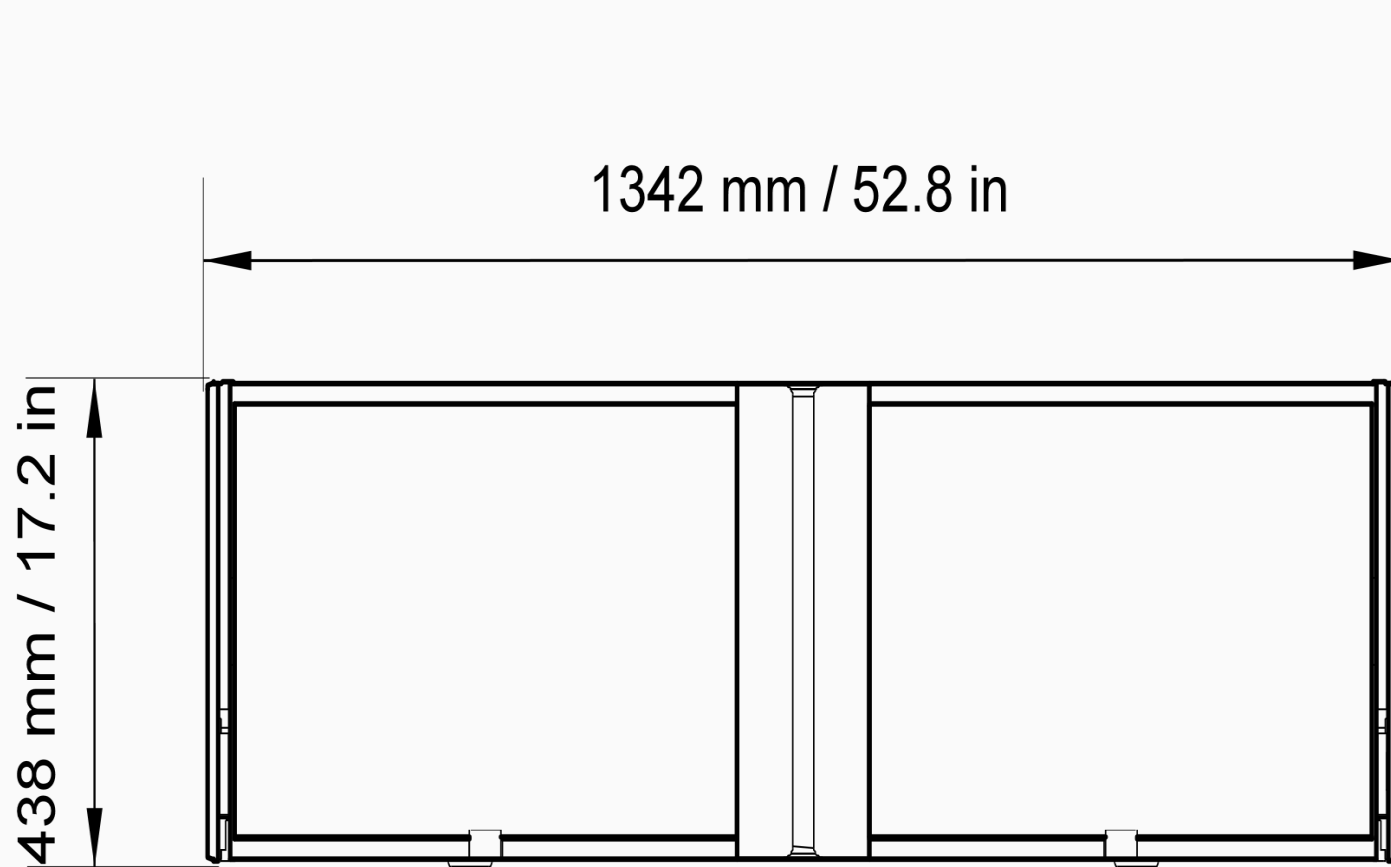
Use variable inter-element angles to match line source curvature to audience geometry.

System workflow

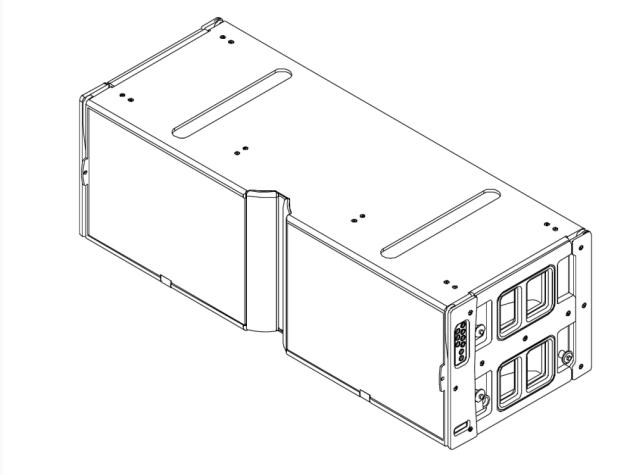
Integrate K1 with K1-SB, KS28, K2, KARA II and LA12X-driven K Series infrastructure.



Technical Drawing / Dimensions



Connections & Hardware Details



Connectors

2 x 8-point PA-COM; IN and LINK are identified in official Architect Specs.

Amplification

Exclusively driven and protected by LA12X with dedicated presets.

Rigging

Four-point flush-fitting rigging hardware combines same-family loudspeakers into a coherent wavefront line source.

Handling

Four ergonomic handles integrated into the cabinet for road use.



Accessories



K1-BUMP

Flying and stacking structure for
K1 / K1-SB arrays



K1-DELTA

Rear attachment of two motors to
K1-BUMP



LA-SLING2T

Two-leg bridle chain sling rated 2
tons



K1-BPCHAIN

Extension sling for K1 and K2



K2-LINK

Rear attachment of K2 below K1



KARA-DOWNK1

Interface for flying KARA below K1



K1-LASERMOUNT

Laser mount for array alignment
tools



K1-CHARIOT2

Chariot for four K1 or four K1-SB

Application Scenarios



Touring & festivals

Large-scale temporary systems requiring high throw and quick rigging.



Arenas & stadiums

Long-throw reinforcement with controlled horizontal directivity.



System design

Scenario examples only; not presented as specific installed case studies.

Product Summary



149 dB

Max SPL

35 Hz-20 kHz

Bandwidth

90°

Horizontal

106 kg

Weight

Contact Information

LA SOUNDX® PROFESSIONAL AUDIO SYSTEM
Project consultation / system design / product quotation