

K2

Long throw line source

- Lightweight 3-way active full-range WST enclosure with dual 12 inch LF section
- 147 dB maximum SPL with 35 Hz - 20 kHz usable bandwidth
- Panflex offers 70°, 90° asymmetric and 110° horizontal directivity patterns



Product Positioning

K2 brings the K Series sonic signature into a lighter, flexible enclosure for large-scale applications.

Positioning

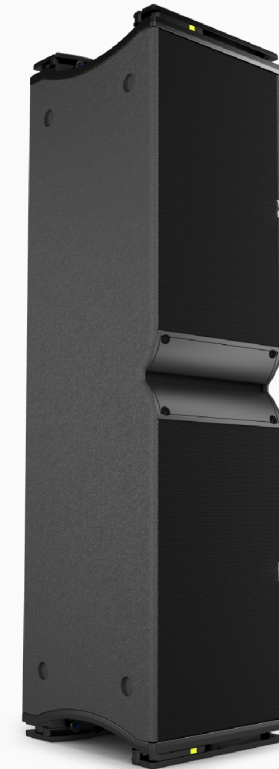
A long-throw variable-curvature line source for touring, festivals and sporting events.

Application

Large audience coverage where power, weight efficiency and adjustable horizontal directivity matter.

Core value

147 dB output, Panflex coverage control, L-Vents low-frequency clarity and captive rigging workflow.



Key Performance

147 dB

Maximum SPL

35 Hz-20 kHz

Usable bandwidth

70°/90°/110°

Horizontal directivity

2x12 / 4x6.5 / 2x3"

LF / MF / HF drivers

56 kg

Net weight

LA4X / LA8 / LA12X

Amplified controllers



Acoustic & Enclosure Design



3-Way Active Architecture

LF, MF and HF sections are quad-amplified for controlled full-range performance.

L-Vents & DOSC

Low-frequency bass-reflex L-Vents combine with DOSC waveguide behavior for coherent line source projection.

Panflex Coverage

Adjustable L-Fins enable 70°, 110° symmetric or 90° asymmetric horizontal coverage.

Cabinet & Protection

Premium Baltic birch plywood, die-cast aluminium side panels, coated steel grill and neutral 3D fabric.

Technical Specifications

Product Model	K2
Type	Long throw line source; 3-way active full-range WST enclosure
Drivers	LF: 2 x 12" cone drivers; MF: 4 x 6.5" cone drivers; HF: 2 x 3" diaphragm compression drivers
Frequency Response	Usable bandwidth (-10 dB): 35 Hz - 20 kHz ([K2_70]); Architect Specs also note 38 Hz - 20 kHz (-6 dB), 40 Hz - 20 kHz (-3 dB)
Rated Power	RMS power handling: LF 311 W; MF 324 W; HF 117 W
Peak Power	Not specified in official materials
Sensitivity	Not specified in official materials
Maximum SPL	147 dB ([K2_70])
Nominal Impedance	LF: 2 x 8 ohms; MF: 8 ohms; HF: 16 ohms
Coverage / Dispersion	Horizontal: 110° / 70° symmetric or 90° asymmetric (35°/55° or 55°/35°); vertical depends on elements and array curvature
Enclosure	LF: bass-reflex, L-Vents; MF: bass-reflex; HF: DOSC waveguide, Panflex; premium grade Baltic birch plywood
Finish	Dark grey brown Pantone 426 C
Protective Grille	Coated steel grill; acoustically neutral 3D fabric
Connectors	2 x 8-point PA-COM; Architect Specs identify IN and LINK
Dimensions	1338 x 354 x 400 mm / 52.7 x 13.9 x 15.8 in
Weight	56 kg / 123.2 lb
Supplied Fittings	4-point captive rigging system; 2 large side handles; inter-enclosure angles 0.25, 1, 2, 3, 4, 5, 7.5 or 10 degrees
Recommended Amplifier	LA4X / LA8 / LA12X amplified controllers

System Application / Rigging



- Captive 4-point rigging system for secure flown K2 arrays.
- K2-BUMP, K2-BAR and K2-RIGBAR support flying, extension and pullback workflows.
- Inter-enclosure angle settings support variable-curvature deployment from 0.25° to 10°.

Deployment Options



Long-throw line source

Deploy in vertical arrays to serve large-scale touring, festival and sporting-event audiences.

Adjustable coverage

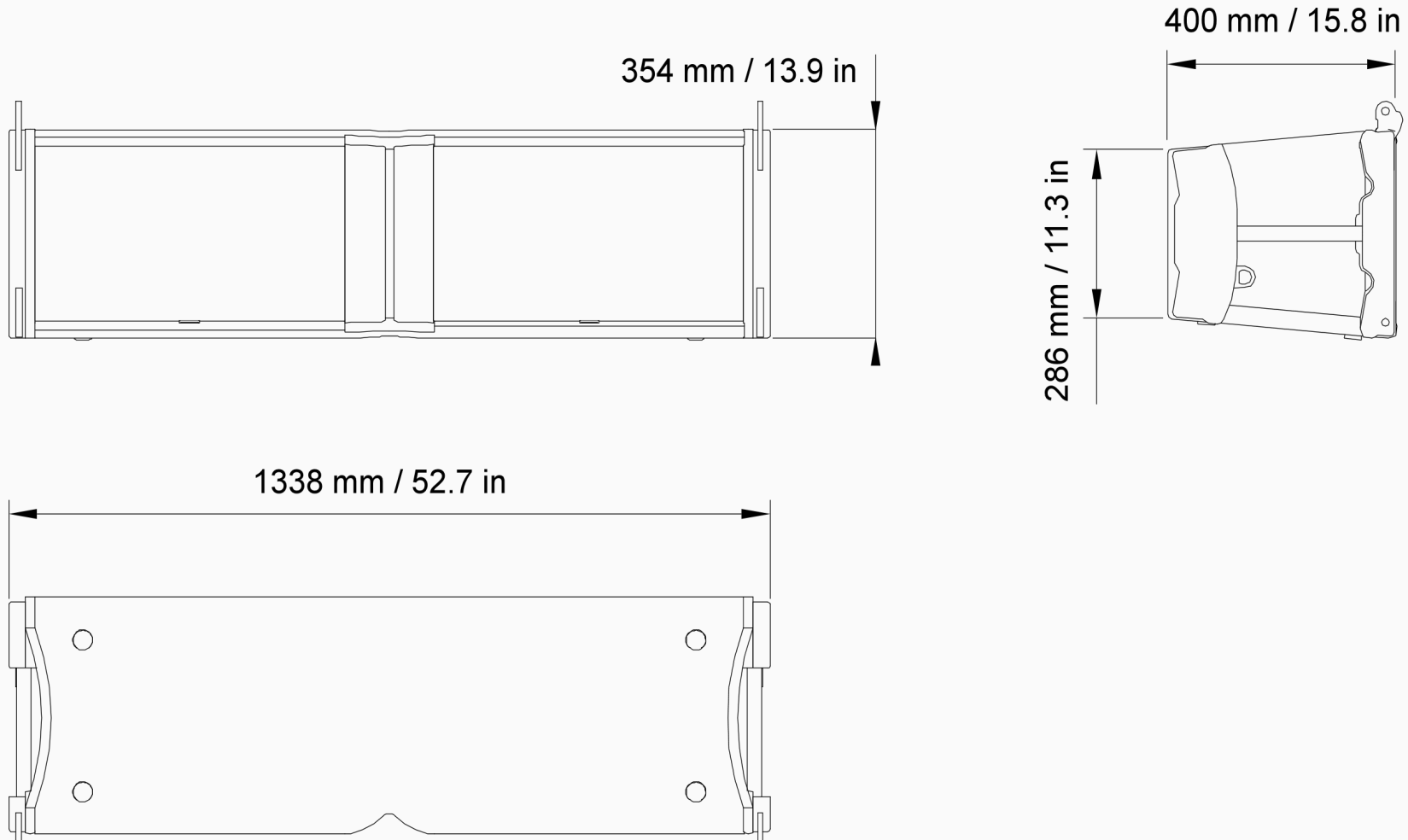
Use Panflex to match audience geometry with four horizontal directivity patterns.



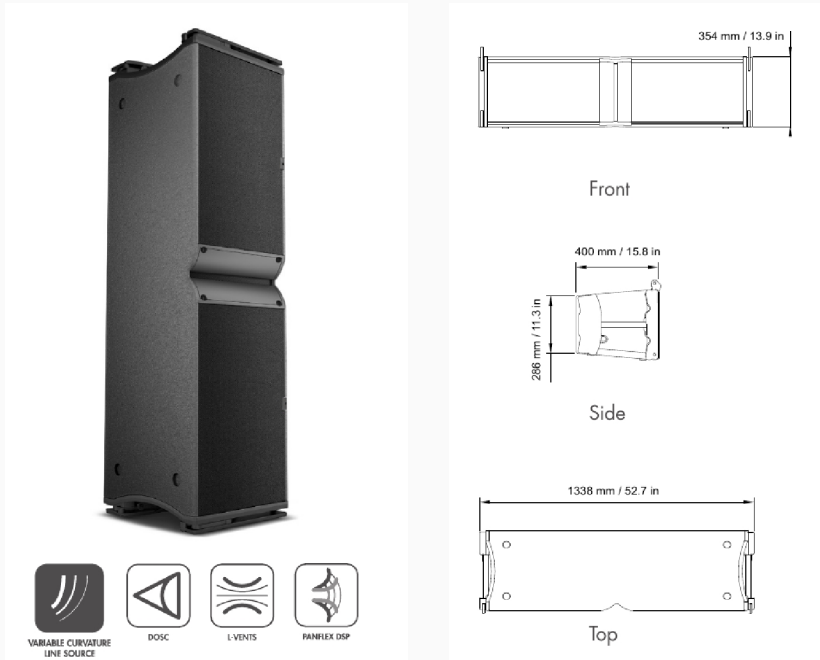
Transport workflow

K2-CHARIOT and K2-JACK support storage, truck-loading and deployment preparation.

Technical Drawing / Dimensions



Connections & Hardware Details



Connectors

2 x 8-point PA-COM; official Architect Specs identify IN and LINK.

Amplification

Quad-amplified by LA4X / LA8 / LA12X amplified controllers with dedicated presets.

Protection

IP55 rating, high-grade steel rigging components with anti-corrosion coating.

Handling

Two large side handles and captive rigging hardware support touring deployment.



Accessories



K2-BUMP

Structure for flying K2 arrays



K2-BAR

Extension bar for K2-BUMP



K2-RIGBAR

Rigging bar and pullback



K2-LINK

Rear attachment of K2 below K1



K2-CHARIOT

Chariot for four K2



K2-JACK

Tilt adjustment screw jacks and bar



K2-CHARIOTCOV

Protective cover for K2 on chariot



K2-LASERMOUNT

Laser mount for array alignment tools

Application Scenarios



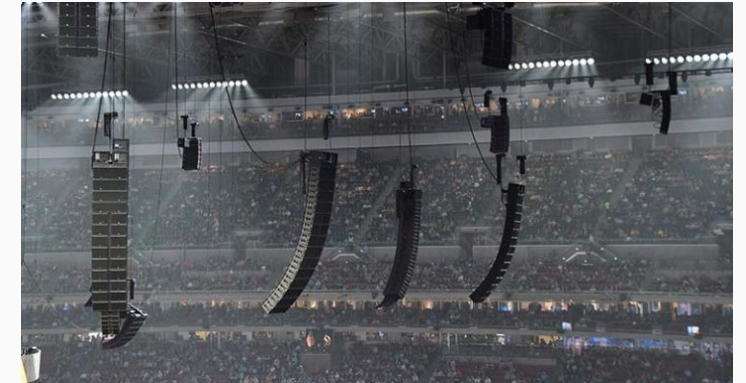
Touring & festivals

High output with improved performance-to-weight ratio for mobile systems.



Arenas & sport events

Long-throw line source coverage with adjustable horizontal pattern control.



System design

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

Product Summary



147 dB

Max SPL

35 Hz-20 kHz

Bandwidth

70/90/110°

Panflex

56 kg

Weight

Contact Information

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