

KARA II

Long throw line source

ACTIVE BACKPLATE VERSION

- 2-way active WST enclosure with dual 8 inch LF section
- 142 dB maximum SPL with 55 Hz - 20 kHz usable bandwidth
- Panflex adjustable horizontal directivity: 70°, 90° asymmetric or 110°



Product Positioning

KARA II is a compact K Series line source for long-throw coverage beyond 35 m.

Positioning

A modular variable-curvature line source with high SPL per line length and precise vertical control.

Application

Performing arts, congregations, corporate events, touring, clubs and special events.

Core value

Panflex coverage flexibility, L-Vents low-frequency clarity, compact footprint and tour-ready rigging.



Key Performance

142 dB

Maximum SPL

55 Hz-20 kHz

Usable bandwidth

70°/90°/110°

Horizontal directivity

2x8" + 1x3"

LF / HF drivers

26 kg

Net weight

Active rear panel

Backplate type



Acoustic & Enclosure Design



2-Way Active WST Architecture

Dual 8 inch LF drivers and a 3 inch HF compression driver support coherent line-source behavior.

L-Vents & DOSC

Bass-reflex LF loading and DOSC waveguide design support clarity and long-throw projection.

Panflex Coverage

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

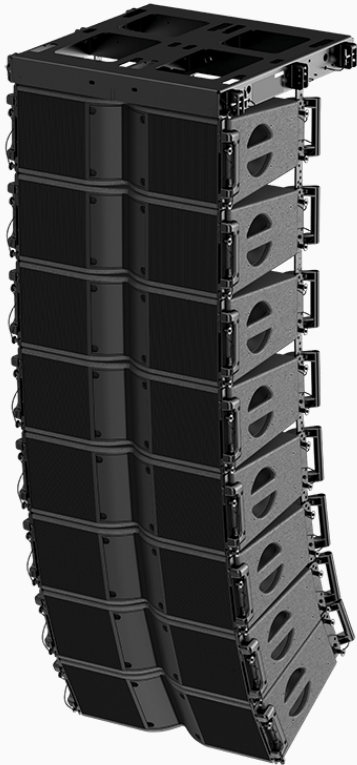
Cabinet & Protection

Premium Baltic birch plywood, coated steel grill, neutral 3D fabric and IP55 protection.

Technical Specifications

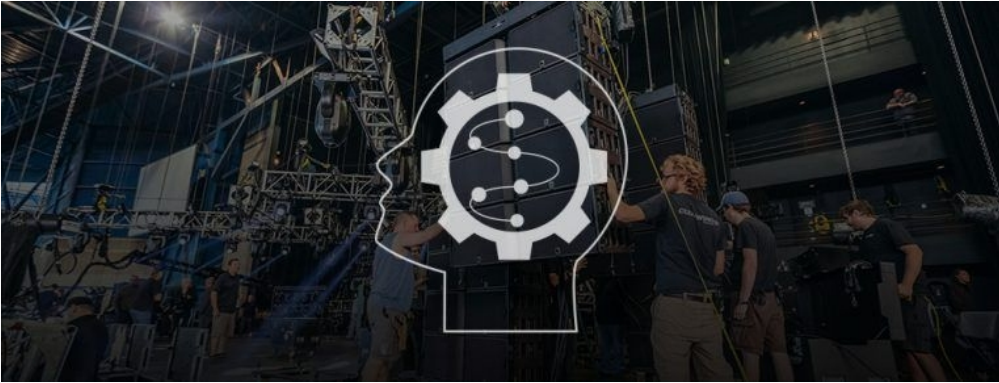
Product Model	KARA II
Type	Long throw line source; 2-way active WST enclosure
Drivers	LF: 2 x 8" neodymium cone drivers; HF: 1 x 3" neodymium diaphragm compression driver
Frequency Response	Usable bandwidth (-10 dB): 55 Hz - 20 kHz ([KARA II 70]); Architect Specs also note 63 Hz - 20 kHz (-6 dB), 80 Hz - 19 kHz (-3 dB)
Rated Power	RMS power handling: LF 280 W; HF 75 W
Peak Power	Not specified in official materials
Sensitivity	Not specified in official materials
Maximum SPL	142 dB ([KARA II 70])
Nominal Impedance	LF: 8 ohms; HF: 8 ohms
Coverage / Dispersion	Horizontal: 70° / 110° symmetric or 90° asymmetric; vertical depends on elements and line source curvature
Enclosure	LF: 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	Active backplate shown in supplied reference image; official KARA II datasheet specifies 2 x 4-point speakON for the standard version
Dimensions	733 x 252 x 500 mm / 28.9 x 9.9 x 19.7 in
Weight	26 kg / 57 lb
Supplied Fittings	4-point captive rigging system; 2 side handles; 2 rear handles; inter-enclosure angles 0, 1, 2, 3, 4, 5, 7.5 or 10 degrees
Recommended Amplifier	Integrated active backplate details: Not specified in official materials; official KARA II is amplified by LA4X / LA8 / LA12X

System Application / Rigging



- 4-point captive rigging system for flown or stacked KARA II arrays.
- M-BUMP and M-BAR support frame and extension workflows for KARA II / SB18 systems.
- KARA-MINIBU supports compact flying configurations up to six KARA II enclosures.

Deployment Options



Variable-curvature arrays

Assemble KARA II as a coherent line source with incremental inter-element angles.

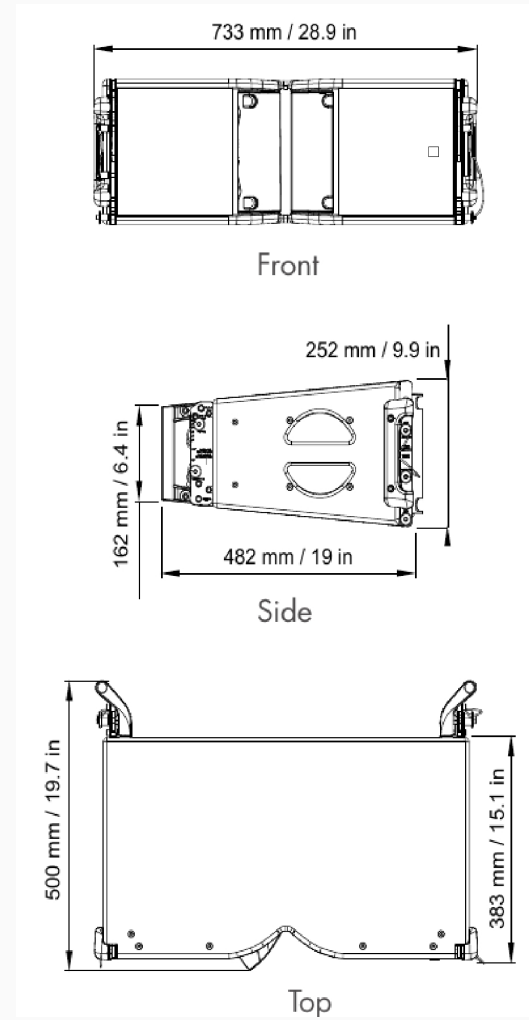
Subwoofer pairing

Use with SB18 or KS21 for extended low-frequency contour in compact systems.

Backplate variant

Active version highlights the supplied powered rear panel reference.

Technical Drawing / Dimensions



Official Product Spec Sheet dimension drawing: front, side and top views.

Connections & Hardware Details



Active Rear Panel

Supplied active backplate reference shows an integrated amplifier/control module and power input.

Official Connection Data

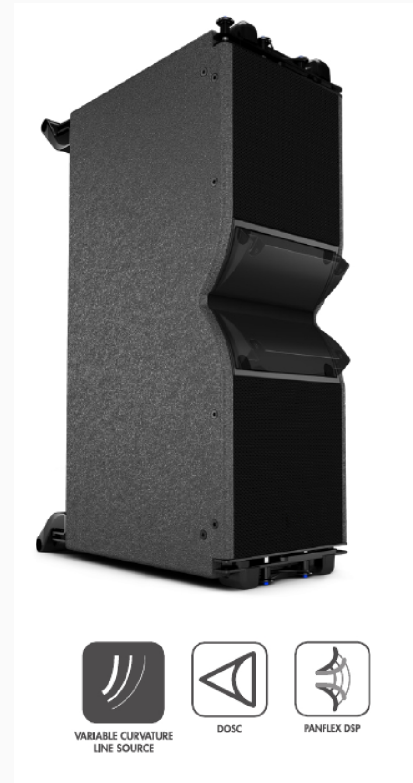
Official KARA II datasheet specifies IN: 1 x 4-point speakON and LINK: 1 x 4-point speakON.

Amplification

Internal amplifier parameters are not specified in official KARA II materials.

Rigging & Handling

Two side handles, two rear handles and captive 4-point rigging system.



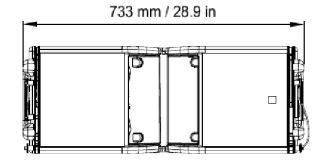
VARIABLE CURVATURE
LINE SOURCE



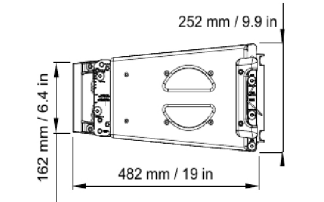
DOSC



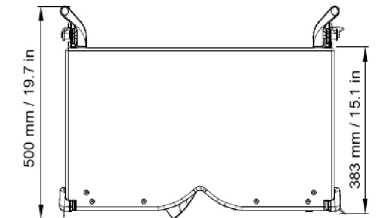
PANFLEX DSP



Front



Side



Top

Accessories



M-BUMP

Bumper for flying or stacking



M-BAR

Extension bar for rigging frame



KARA-MINIBU

Mini bumper for flying six KARA II



KARA-MINIBUEX

Extension bars for SB18 / KARA II



KARA-PULLBACK

Pullback plate for KARA II



M-JACK

Tilt adjustment jacks



KARA-ANGARMEX

Angle bar extension



CLAMP250

250 kg certified clamp

Application Scenarios



Touring & events

Compact long-throw line source deployment for mobile systems.



Venues & worship

Precise coverage and speech/music clarity for installed or portable systems.



System design

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

Product Summary

142 dB

Max SPL

55 Hz-20 kHz

Bandwidth

70/90/110°

Panflex

26 kg

Weight



Contact Information

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