

WPL

2 x 12" BI-AMP THREE-WAY LINE ARRAY

Large-format precision line array for stadium, festival and high-output touring systems.

- Three-way bi-amp architecture
- Scalable resolution optimisation
- Fast 3-point rigging for up to 24 enclosures



PROFESSIONAL AUDIO SYSTEM

Brand-neutral product detail page set. All visible source branding has been removed from the layout.

Core identity

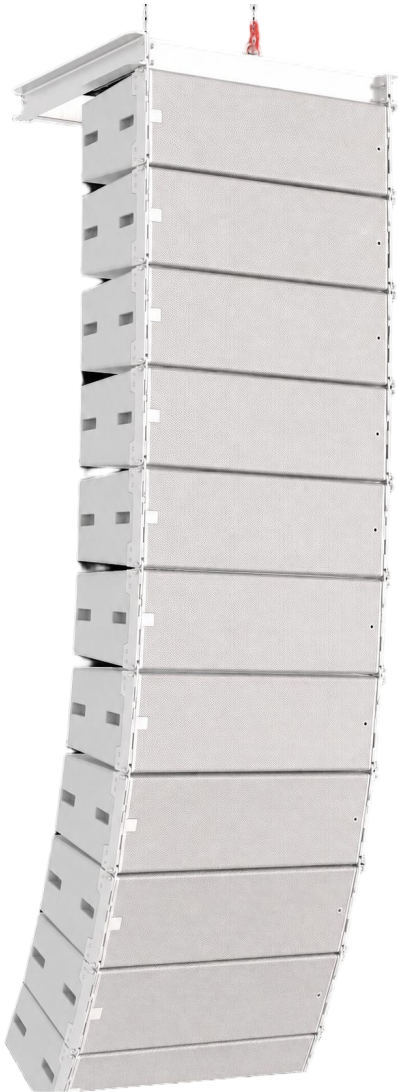
Model retained: WPL
Type: three-way, bi-amp line array element

Source package checked

Datasheet, technical drawing, 3D model entry, accessory images, rigging data and recommended amplifier information.

Product Positioning

High-output line array element for large-scale professional deployment.



POSITIONING

Large-format precision line array with all-horn efficiency, scalable system resolution and robust touring-grade rigging.

Core value

High output to weight ratio and scalable optimisation for coverage, consistency and control.



Applications

Festivals, stadiums, arenas, large concert venues and high-specification installations.

System logic

Works as a complete array system with external multi-channel amplification and array optimisation.

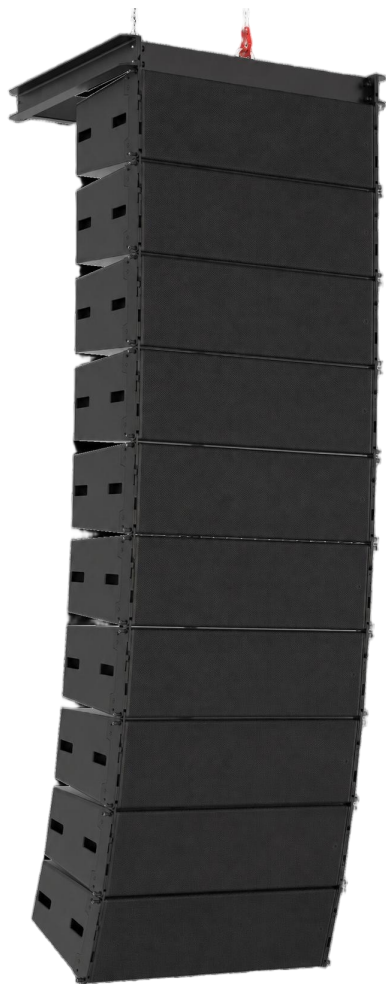
OFFICIAL SOURCE AUDIT

Product datasheet	Available
Technical drawing	Available
3D SKP model	Available, no preview image
Revit file	None listed
Accessories	Available
Recommended amplifier	iK42 listed



Key Performance

Specification highlights from the official technical data.



52 Hz

Low extension

52 Hz - 18 kHz +/- 3 dB

145 dB

HF max SPL

LF 139 dB / MF 140 dB

90°

Horizontal pattern

-6 dB horizontal directivity

24

Max flown boxes

Single array maximum

2 × 12"

LF section

Hybrid horn loaded LF drivers

2 × 6.5"

MF section

Horn loaded midrange drivers

3 × 1"

HF section

Exit compression drivers

64 kg

Weight

141 lb per enclosure

POWER HANDLING

Rated / peak power

LF: 800 W AES / 3200 W peak
MF/HF: 500 W AES / 2000 W peak

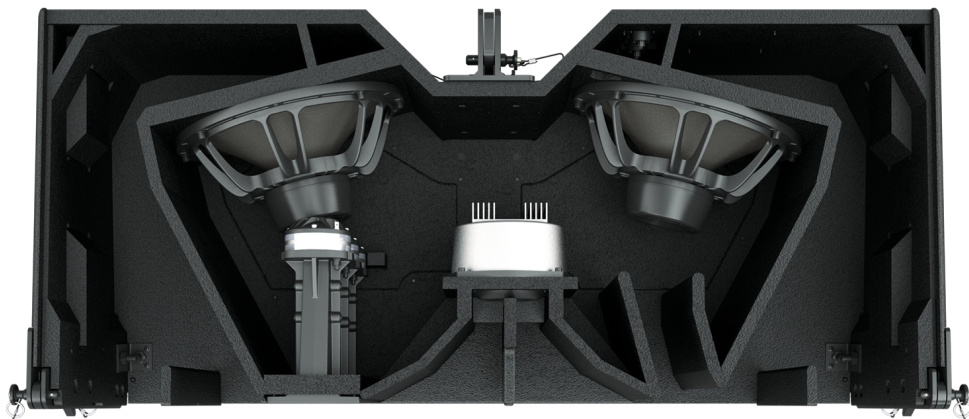
Impedance and dispersion

LF: 8 ohms, MF + HF: 8 ohms
90° horizontal (-6 dB), 120° horizontal (-10 dB), 7.5° vertical

Acoustic & Enclosure Design

Horn-loaded architecture with a compact large-format enclosure.

LF hybrid horn / reflex loading



HF horn assembly



Weather / durability visual



Low-frequency section

2 x 12" neodymium LF drivers are front-loaded by horns and rear-loaded by a ported chamber for projection and LF control.

Mid / HF architecture

2 x 6.5" midrange drivers and 3 x 1" compression drivers are horn loaded to maintain controlled coverage.

Enclosure

Vertical trapezoid, 3.75° wall angle, multi-laminate birch and poplar-ply construction.

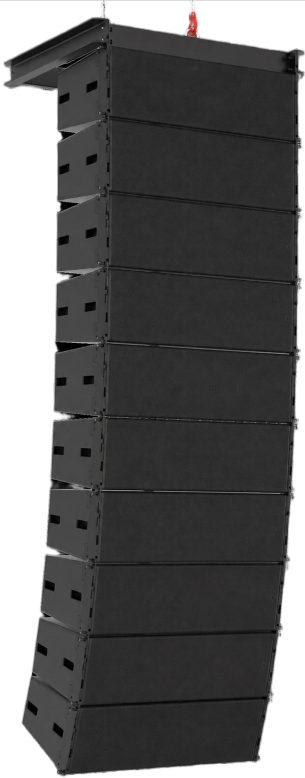
Finish / grille

Black textured paint and black HEX-perforated steel protective grille.

Technical Specifications

Complete editable parameter table based on the product datasheet.

Product Model	WPL
Type	Three-way, bi-amp line array element
Drivers	LF: 2 x 12" / 3" voice coil neodymium drivers; MF: 2 x 6.5" / 2" coil neodymium drivers; HF: 3 x 1" exit neodymium compression drivers
Frequency Response	52 Hz - 18 kHz +/- 3 dB
Rated Power	LF: 800 W AES; MF/HF: 500 W AES
Peak Power	LF: 3200 W peak; MF/HF: 2000 W peak
Sensitivity	Not specified in official datasheet
Maximum SPL	LF: 139 dB; MF: 140 dB; HF: 145 dB
Nominal Impedance	LF: 8 ohms; MF + HF: 8 ohms
Coverage / Dispersion	90° horizontal (-6 dB), 120° horizontal (-10 dB), 7.5° vertical
Enclosure	Vertical trapezoid with 3.75° wall angle, multi-laminate birch and poplar-ply construction
Finish	Black textured paint
Protective Grille	Black HEX-perforated steel
Connectors	2 x NL4 type; LF: 1+/1-, MF + HF: 2+/2-
Dimensions	1136 mm (W) x 371 mm (H) x 526 mm (D), excluding pins
Weight	64 kg / 141 lb
Supplied Fittings	3-point rigging system; 4 x side pocket handles
Recommended Amplifier	iK42 four-channel Class D amplifier, for system pairing only



Parameter rule

When page text and datasheet text differ, the datasheet table is used for the product specification page.

System Application / Rigging

Fast 3-point rigging with touring and installation frame options.



Touring flying frame

WPLGRIDt supports flown or ground-stacked touring arrays. Official data lists up to 24 WPL cabinets.



Install flying frame

WPLGRIDi is listed for permanent installation and up to 16 WPL cabinets.

Rigging concept

The product uses an integral 3-point rigging system with front and rear rigging hardware.

Splay logic

The page states 0° to 7.5° angle control through system design and optimisation.

Safety note

This PPT is not a rigging calculation. Actual rigging limits must be checked in the official design software and hardware documentation.

Deployment Options & 3D Resources

Array deployment, scalable resolution and official 3D file status.



Flown array

Up to 24 enclosures in a single flown array with the dedicated touring frame.

Ground-stack logic

Ground stack up to six WPL cabinets with the touring frame and ground stack kit.

Resolution scaling

1 or 2 enclosures per pair of amplifier channels in bi-amp system resolution.

OFFICIAL 3D MODEL STATUS

3D model file

Official page lists SKP-Black for WPL. No direct 3D preview image is provided on the product page.

BIM / Revit status

The Revit file field is listed as none currently available. This deck does not fabricate a 3D preview.

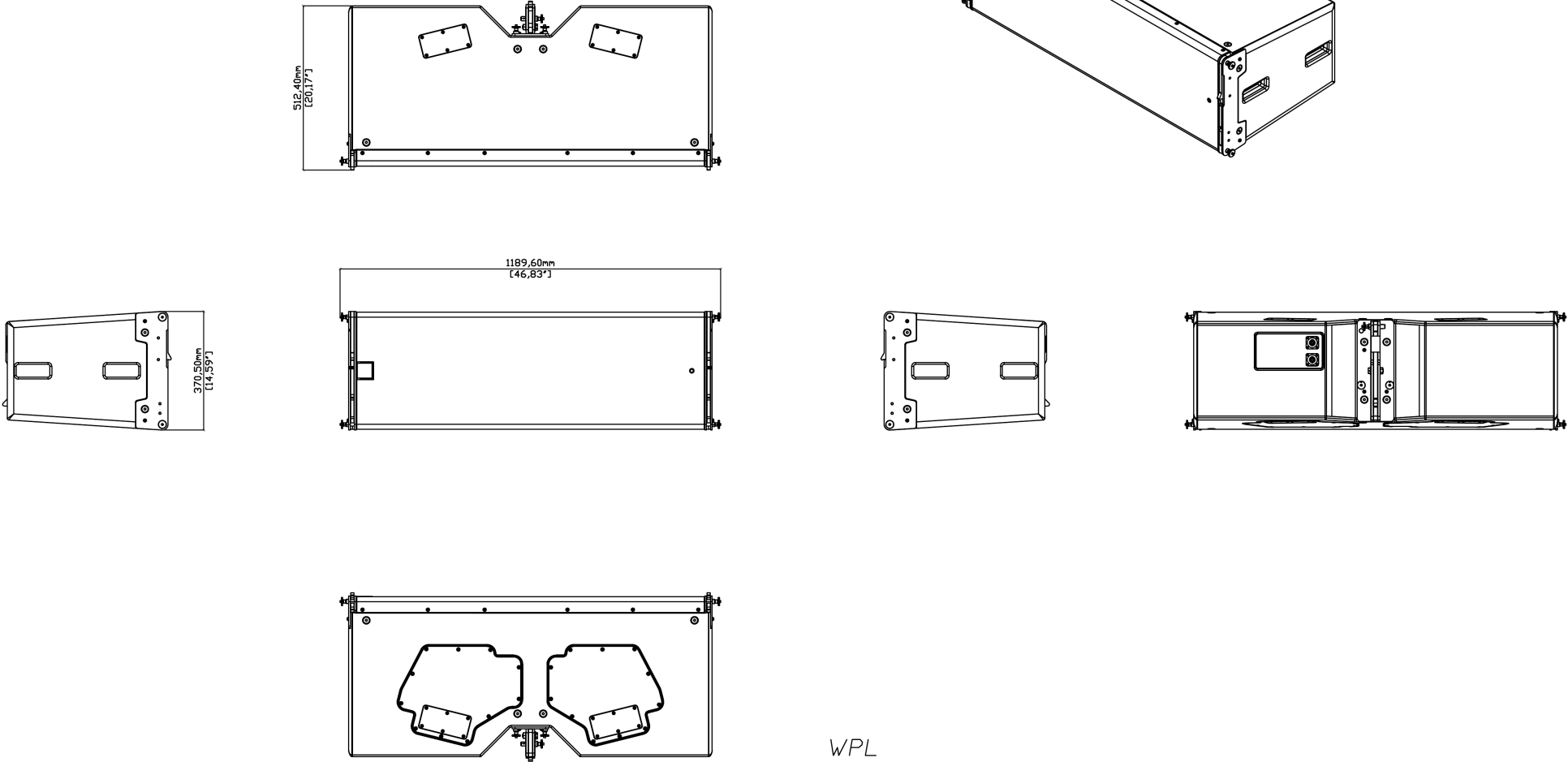


Accessory support

Ground stack kit, transport cart and flying frame support the deployment workflow.

Technical Drawing / Dimensions

Official 2D drawing displayed at full page scale for readability.



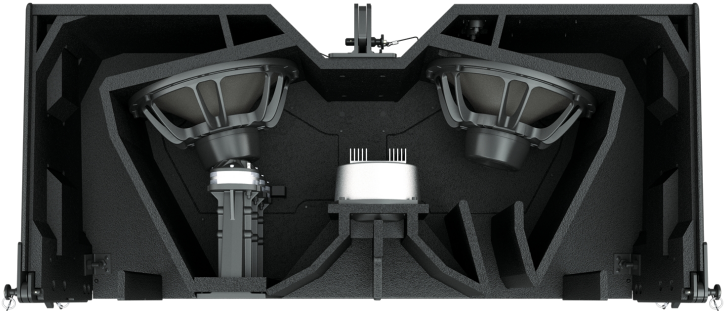
WPL

Connections & Hardware Details

Rear connection panel, rigging point and hardware features.



LF internal loading path



HF horn assembly



Connectors

2 x NL4 type connectors; LF on 1+/1-, MF + HF on 2+/2-.

Hardware

Integral 3-point rigging system and 4 side pocket handles.

System amplifier

iK42 amplifier is listed as the system amplifier / recommended amplifier.

Environmental

Current page lists IP54 and environmental testing references.

Accessories

Official accessory images and compatibility notes.



WPLGRIDt / WPLGRIDt-W

Touring flying frame for WPL and SXHF218. Used for flown or ground-stacked touring arrays.



WPLGRIDi / WPLGRIDi-W

Install flying frame for WPL. Used for permanent installation flown arrays.



WPLCART

Transport cart for WPL. Used to move multiple enclosures safely.



WPLOUTRIG

Ground stack kit for WPL. Used with the touring frame for ground-stacked systems.



ASM20017

Inclinometer assembly for rigging angle reference.



ASM20019

Reader for inclinometer; used with the inclinometer assembly.

Image not available
in official materials

WPL CABLING

Cabling for WPL. Image not available in official materials.

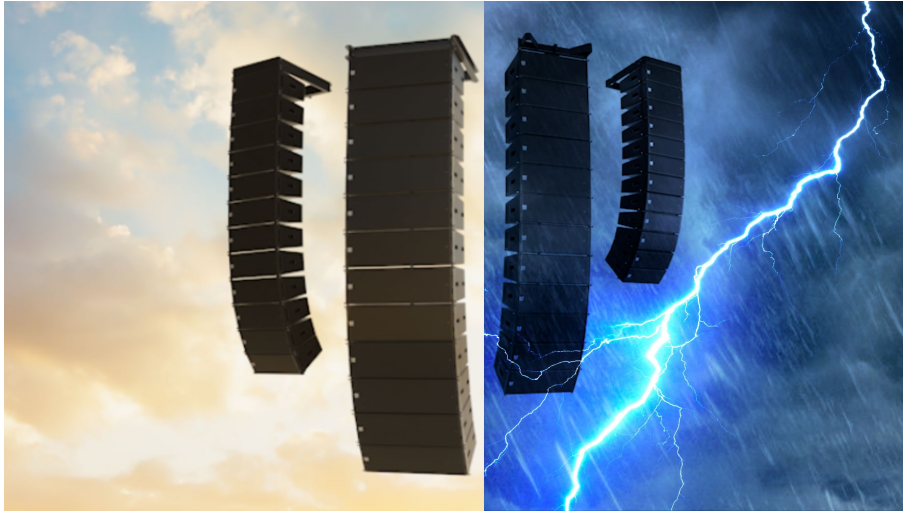
Image not available
in official materials

WPLGTFC

Flight case for two WPLGRIDt grids. Image not available in official materials.

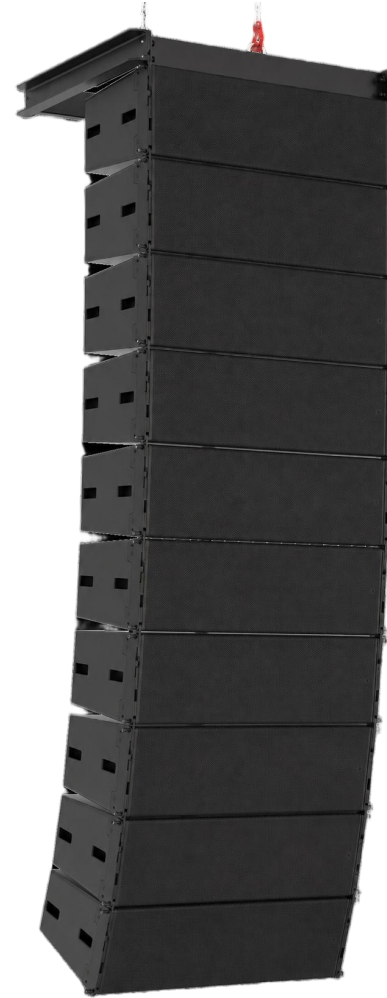
Application Scenarios

Neutral scenario summary; no claim of official project case study.



Scenario image note

This visual is used only as a neutral application-style illustration from the product material set. It is not presented as an official installed project or case study.



Outdoor festivals

Large throw, efficient horn-loaded architecture and scalable resolution.

Stadiums & arenas

Controlled coverage and reduced spill for wide audience zones.

Concert halls & HoW

High intelligibility and controlled pattern consistency.

Touring rental systems

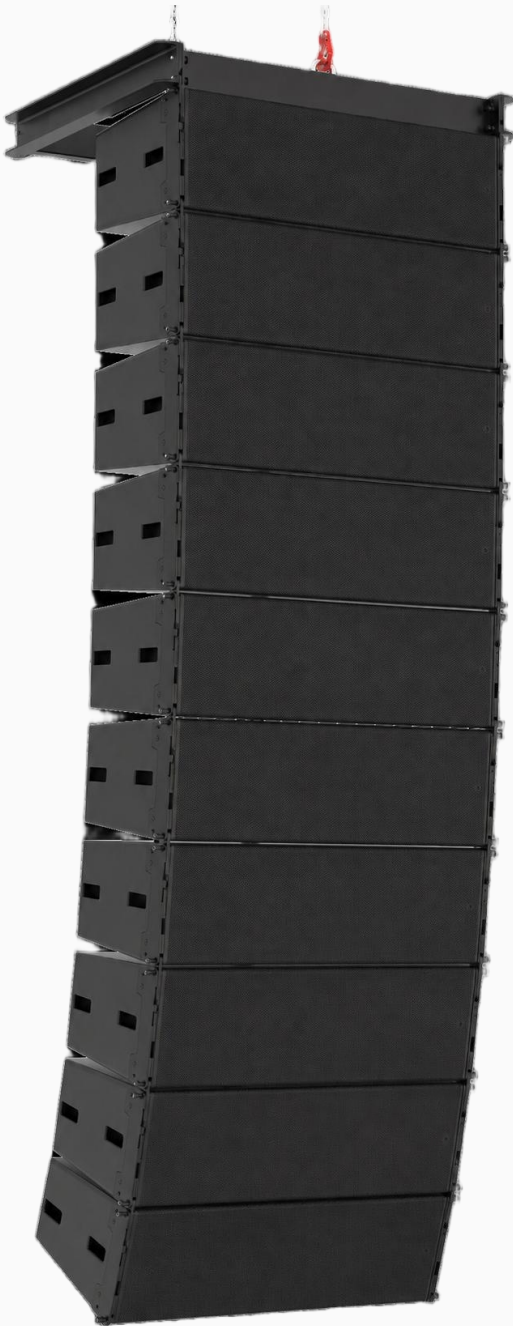
Fast rigging workflow, transport cart option and flexible amplifier resolution.

WPL

PRODUCT SUMMARY

System conclusion

WPL is positioned as a large-format, high-output line array element with external multi-channel amplification, strong rigging capability and scalable optimisation.



3-way

Bi-amp element

Large-format line array

52Hz

Low extension

18kHz upper range

145dB

HF max SPL

LF 139 / MF 140 dB

24

Max flown

Single array maximum

Contact area

Company name:
Phone / Email:
Website: