

WPC

2 x 10" Bi-amp Three-way Line Array

PROFESSIONAL AUDIO SYSTEM

- Medium-format optimised line array element
- External multi-channel Class D amplification
- Fast integral 3-point flying system for up to 16 enclosures

135 dB
Peak SPL

65 Hz - 18 kHz
Frequency response

100°
Horizontal pattern

35 kg
Weight per enclosure



Source handling
Official product images, technical drawings, 3D model links, datasheet and accessory information checked before layout.

Brand cleaning
Product and accessory visuals are cleaned only in logo/brand areas; structure and hardware proportions are preserved.

3D preview status
Official SKP model link is listed, but no direct official 3D preview image is provided on the product page.

Product Positioning

Medium-format performance for touring, venues, arenas and installations.



Positioning

A medium-format three-way bi-amped line array for tours, festivals, live venues, sports grounds, corporate AV and house-of-worship installations.

System value

Designed to combine compact logistics with scalable resolution, coverage consistency and high projection capability.

Audience scale

A 12-box hang is described as capable of projecting beyond 60 metres while delivering full rock-level coverage for a 5,000-seat audience.

Durability update

From Q2 2026, the enclosure design includes IP54 rating, corrosion resistance, UV stability and environmental protection updates.

Core application logic

Use WPC where compact line-array size, strong low-frequency punch, high speech intelligibility and scalable optimisation are required in a professional system package.

Key Performance

Main figures from the official 2026 datasheet.

Type
Three-way, bi-amp line array
element

Drivers
LF 2 x 10" / MF 2 x 5" / HF 4 x 0.7"

Frequency
65 Hz - 18 kHz ± 3 dB

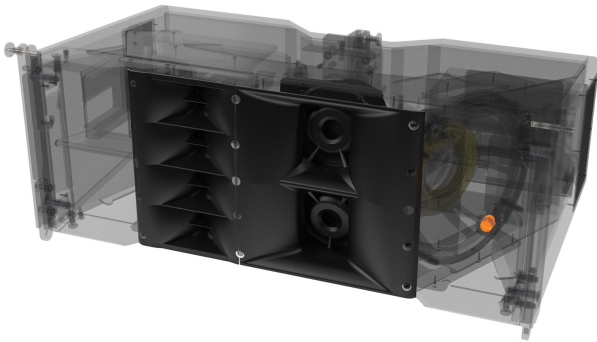
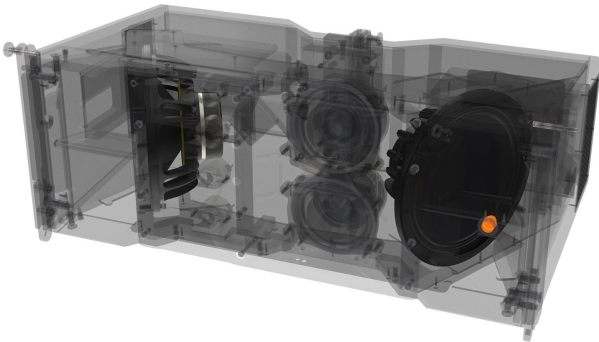
Power
LF 500 W AES / MF-HF 180 W AES

Peak Power
LF 2000 W / MF-HF 720 W

Max SPL
135 dB peak

Dispersion
100° H (-6dB), 130° H (-10dB), 10° V

Amplifier
iKON iK42 system amplifier

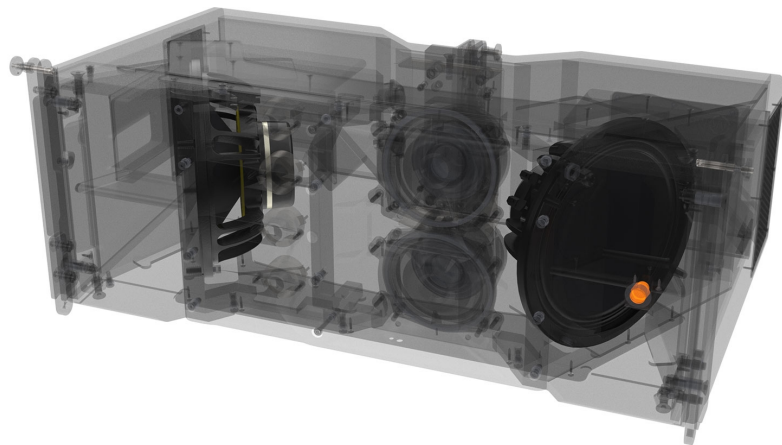


Max array
16 enclosures

Acoustic & Enclosure Design

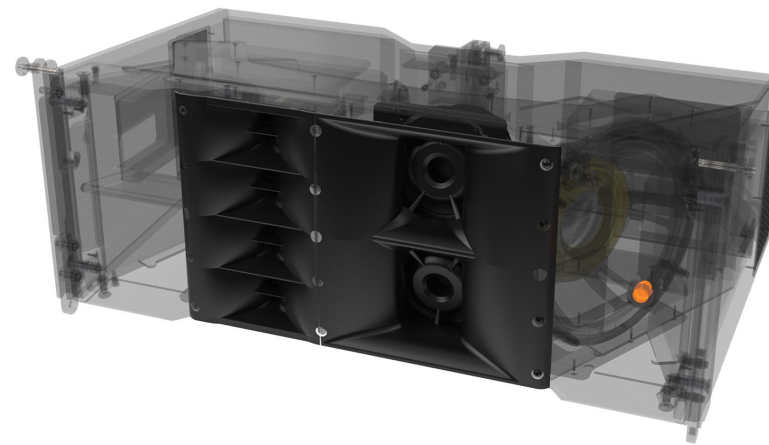
Hybrid LF loading, separated MF/HF horns and enhanced enclosure protection.

Hybrid LF architecture



Low-frequency section
2 x 10" neodymium LF drivers in a Hybrid slot-horn configuration, combining horn sensitivity with reflex extension.

Independent MF/HF horn architecture



Mid / high section
2 x 5" horn-loaded mid drivers and 4 x 0.7" exit compression drivers feed independent horn paths.

Enclosure protection
Vertical trapezoid cabinet with multi-laminate birch/poplar ply, hardwearing paint, HEX perforated steel grille and network LED.

Technical Specifications

Editable table using the latest official datasheet technical specification values.

Product Model	WPC	Type	Three-way, bi-amp line array element
Drivers	LF: 2 x 10" neodymium; MF: 2 x 5" neodymium; HF: 4 x 0.7" exit neodymium compression drivers	Frequency Response	65 Hz - 18 kHz $\pm$ 3 dB
Rated Power	LF: 500 W AES; MF/HF: 180 W AES	Peak Power	LF: 2000 W peak; MF/HF: 720 W peak
Sensitivity	Not specified in official datasheet	Maximum SPL	135 dB peak
Nominal Impedance	LF: 8 ohms; MF + HF: 8 ohms	Coverage / Dispersion	100° H (-6dB), 130° H (-10dB), 10° V
Crossover	440 Hz active; 4.4 kHz internal passive	System Resolution	1 to 3 enclosures per pair of amplifier channels (Bi-amp)
Enclosure	Vertical trapezoid, 5° wall angle, multi-laminate birch and poplar-ply construction	Finish	Black or white hardwearing paint
Protective Grille	Black or white HEX perforated steel grille with network LED	Connectors	2 x NL4 type
Pin Connections	LF: 1+/1-, MF + HF: 2+/2-	Dimensions	772 mm W x 319 mm H x 421 mm D
Weight	35 kg / 77.1 lbs	Supplied Fittings	3-point rigging system; 2 side pocket handles; 2 rear grip handles
Recommended Amplifier	iKON iK42 - four-channel 20,000 W Class D power amplifier	Accessories	Install flying frame; touring flying frame; dolly for 4 enclosures; ground stack outrigger; flying pin

System Application / Rigging

Official rigging hardware and flown array logic.



Touring flying frame



WPCGRIDt / WPCGRIDt-W
Touring flying frame for WPC, available in black or white.

Install flying frame



WPCGRIDi / WPCGRIDi-W
Install flying frame for WPC, available in black or white.

Flown array limit
Official specification states a maximum of 16 WPC enclosures in a single flown array.

Deployment Options

Scalable resolution, array deployment and official 3D resource status.

Scalable resolution

1 to 3 WPC enclosures per pair of amplifier channels.
More amplifier channels allow finer enclosure-by-enclosure optimisation.

Array deployment

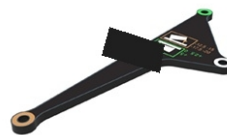
Vertical coverage is determined by inter-cabinet splay angles plus dedicated array optimisation software.

3D model status

Official SKP-Black file is listed for WPC. No official Revit file is currently available; no preview image is shown on the page.



Flying frame
Touring or install frame options



Ground stack
Outrigger / stack bar option



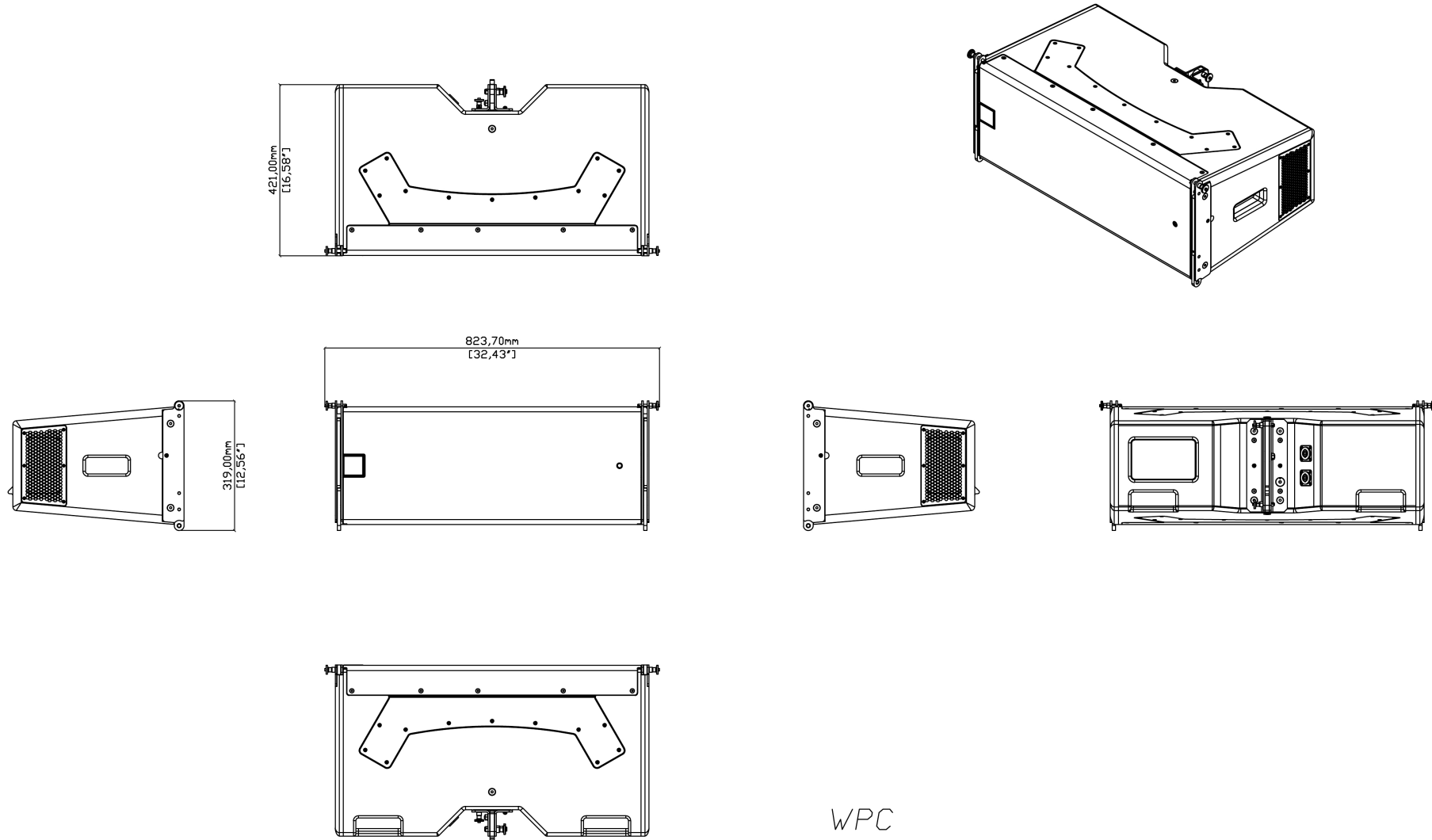
Transport
Dolly for 4 enclosures



Angle control
Inclinometer accessories

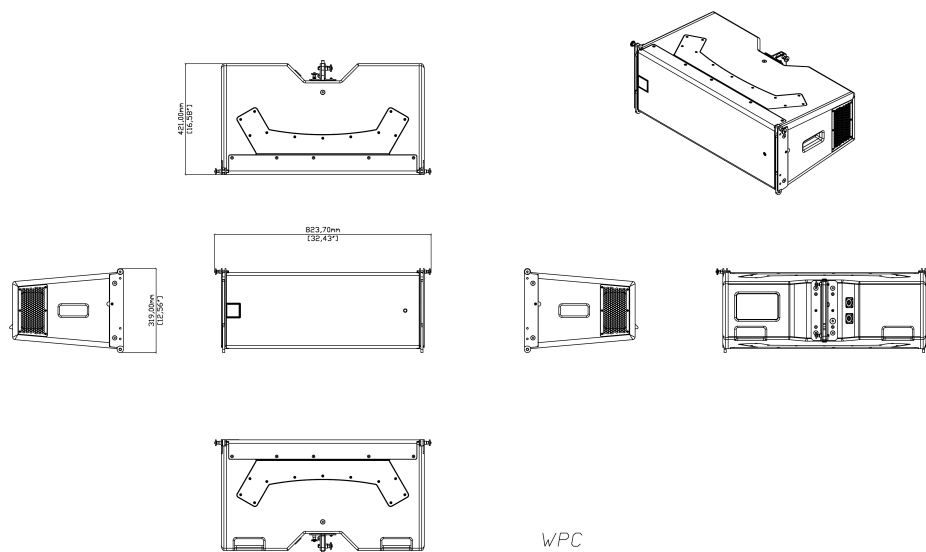
Technical Drawing / Dimensions

Official technical drawing kept complete and proportionally scaled.



Connections & Hardware Details

Rear connector logic, rigging fittings and handling features.

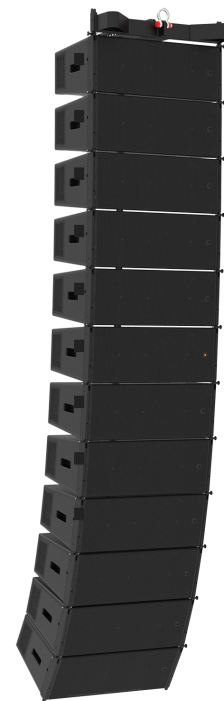


Hardware note

The product page highlights fast integral 3-point flying, side and rear handles, and splay-angle handling support.

Electrical system note

WPC is designed for external dedicated multi-channel Class D amplification and DSP/network optimisation.



Connectors

2 x NL4 type connectors

Pin connections

LF: 1+/1-; MF + HF: 2+/2-

Fittings

3-point rigging system, side pocket handles and rear grip handles.

Accessories

Official accessory images and uses.

WPCGRiDi / WPCGRiDi-W



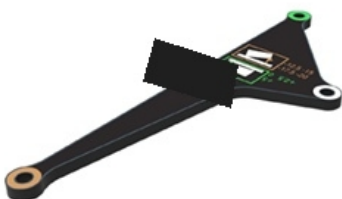
Use / compatibility
Install flying frame for WPC; available in black or white.

WPCGRiDt / WPCGRiDt-W



Use / compatibility
Touring flying frame for WPC; available in black or white.

WPCGSt



Use / compatibility
Touring ground stack bar for WPC.

WPCCART



Use / compatibility
Transport cart for WPC; dolly for 4 enclosures.

Application Scenarios & Additional Accessories

Scenario text is generic and does not claim to be an official project case.

Touring sound
Small and medium-size venues

Installations
Concert halls, theatres, ballrooms
and HoW

Sports / arenas
Stadium and arena installations

Corporate AV
Large-scale corporate events



Additional official accessory list

ASM20017 inclinometer assembly; ASM20019 reader for inclinometer; iK42 distro panels; iK42 amplifier racks; 9U amplifier rack; WPC cabling; WPCGTFC flight case for two touring flying frames. Where the official page shows no real image, the presentation uses text only.

Recommended amplifier
iKON iK42 - four-channel 20,000 W Class D power amplifier, presented as system
配套说明 only.

No fake imagery

3D model link and unavailable accessory images are reported as text; no unofficial 3D preview or application photo is fabricated.

Product Summary

Complete editable product detail page set.



65 Hz - 18 kHz
Frequency response

135 dB
Peak SPL

100° H
Pattern control

35 kg
Per enclosure

Final positioning
WPC is a medium-format, three-way bi-amp line array element designed for scalable resolution, strong projection, compact transport and professional flown system deployment.

Contact area
Company / Sales contact / Website / QR code area reserved here.