

1100-LFC

Low-Frequency Control Element

28 Hz–100 Hz

Operating frequency range

140 dB

Linear peak SPL · M-noise

8100 W peak

Integrated amplifier output

Official product detail · English specifications



Product Positioning

Extreme low-frequency output. Controlled at scale.

A self-powered large-format low-frequency element engineered for sonic linearity, high continuous output and directional control in large-scale systems.

Applications

Stadiums · arenas · concert halls · large-scale tours · high-power controlled-directivity arrays

Core value

Ultra-low distortion, exceptional headroom, regular or cardioid deployment and seamless integration with  arrays.



SYSTEM ROLE

Complements LEO, LYON, LEOPARD, JM-1P and other systems in flown, ground-stacked and cardioid configurations.

Key Performance

28 Hz–100 Hz

Operating frequency range

30 Hz–85 Hz ± 4 dB

Frequency response

140 dB

Linear peak SPL · M-noise

8100 W peak

Integrated amplifier output

249 lb / 112.9 kg

Weight without rigging

360°

Single-unit coverage

SPL OPTIONS

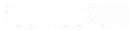
140 dB pink noise · 141 dB B-noise

Linear peak SPL measured free-field at 4 m and referred to 1 m.



Technical Specifications

PARAMETER	OFFICIAL SPECIFICATION
Product Model	1100-LFC
Type	Low-frequency control element
Drivers	2 × 18 in long-excursion cone drivers
Frequency Response	30 Hz–85 Hz ±4 dB; operating range 28 Hz–100 Hz
Rated Power	Not specified in official materials
Peak Power	8100 W peak, integrated 2-channel Class AB/H
Sensitivity	0 dBV (1.0 V rms), nominal input sensitivity
Maximum SPL	Not specified; Linear Peak SPL: 140 dB M-noise
Nominal Impedance	8 Ω
Coverage / Dispersion	360° single unit; varies by array configuration

PARAMETER	OFFICIAL SPECIFICATION
Enclosure	Optimally tuned, vented premium multi-ply birch
Finish	Slightly textured black
Protective Grille	Powder-coated hex-stamped steel; acoustical black mesh
Connectors	XLR 5-pin in/loop; optional XLR 3-pin; PowerCon32
Dimensions	W 52.60 × H 20.48 × D 33.00 in (1336 × 520 × 838 mm)
Weight	249 lb (112.9 kg); with rigging 285 lb (129.3 kg)
Supplied Fittings	Protective plastic skids; pinned handles
Recommended Amplifier	Self-powered; no external amplifier required
Recommended Processing	 Network Platform;  design tool
Rigging	Optional MRK-1100 with captive GuideALinks and quick-release pins

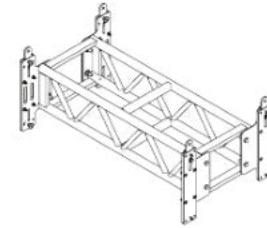
System Application / Rigging



MTG-1100 Top Grid

MTG- 1100 TOP GRID

Flies up to 16 cabinets with stated restrictions and supports multiple pickup configurations.



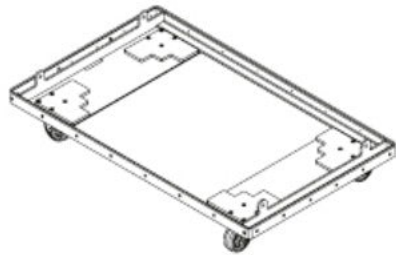
MAS-1100 Array Spacer

MAS- 1100 ARRAY SPACER

Lengthens 1100-LFC arrays to improve vertical directionality while retaining captive links.

MRK- 1100 rigging supports flown, ground-stacked and reversed cardioid configurations; verify all loads in [datasheet](#)

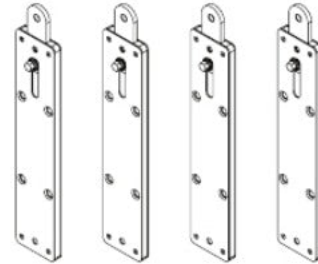
Deployment Options



MCF-1100 Caster Frame

TRANSPORT BLOCKS

MCF-1100 safely transports up to three cabinets for block assembly.



MRK-1100 Rigging Kit

FLOWN ARRAYS

MRK-1100 GuideALinks connect cabinets to the MTG-1100 top grid.



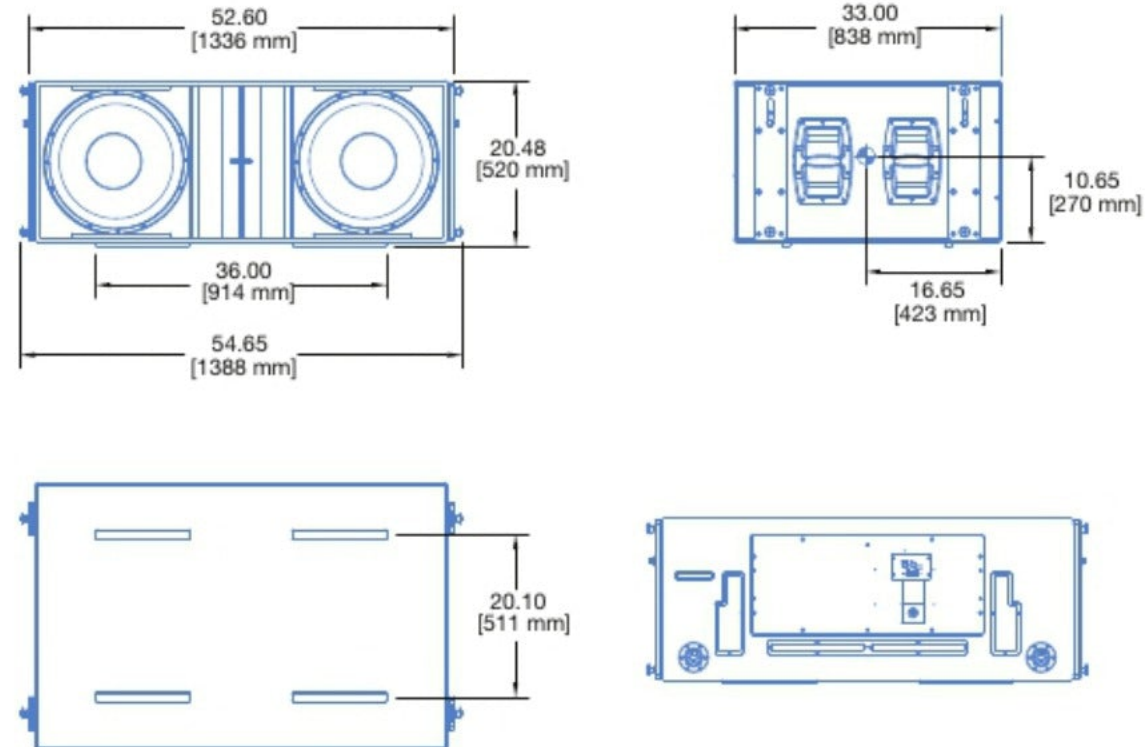
MVP Motor Vee Plate

ARRAY AIMING

MVP Motor Vee Plate fine-tunes horizontal array aim with two motors.

Cabinets stack normally or reversed for cardioid configurations; array geometry and load ratings must be validated in [Safety](#)

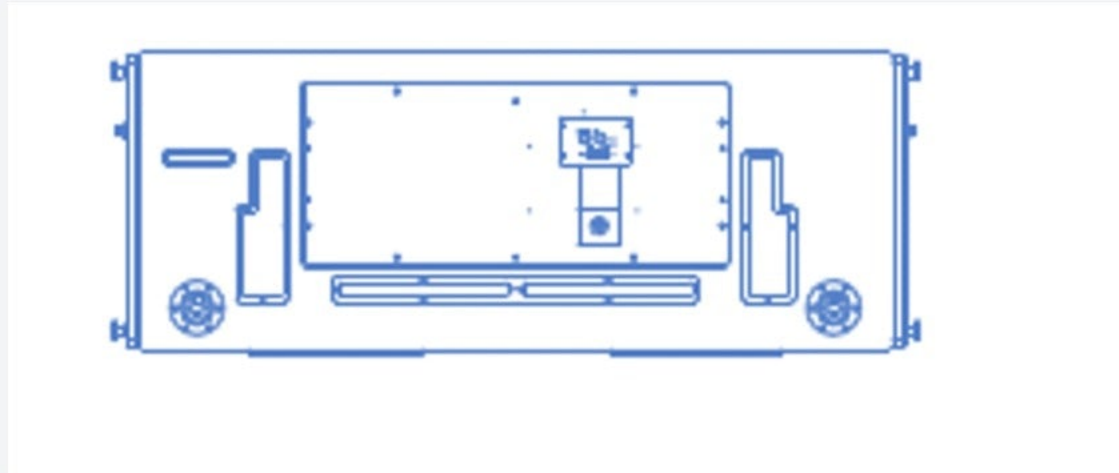
Technical Drawing / Dimensions



(Dimensions shown for Rigging version)

WITHOUT RIGGING · W 52.60 in (1336 mm) · H 20.48 in (520 mm) · D 33.00 in (838 mm)

Connections & Hardware Details



Audio

Differential electronically balanced. XLR 3-pin female input with male loop; optional XLR 5-pin for balanced audio plus RMS.

Power

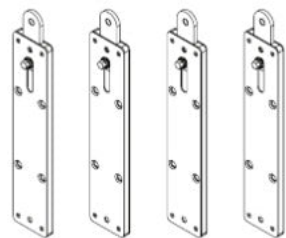
PowerCon32 input. Operating and safety-rated voltage: 208–235 V AC, 50/60 Hz.

Monitoring

Standard two-conductor RMS network reports amplifier operating parameters to _____ control software.

Hardware: pinned handles · protective stacking skids · optional MRK-1100 captive GuideALinks

Accessories



MRK-1100 Rigging Kit

MRK- 1100

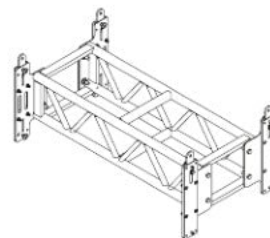
Rigging kit with captive
GuideALinks



MTG-1100 Top Grid

MTG- 1100

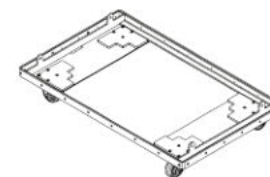
Top grid for flown arrays



MAS-1100 Array Spacer

MAS- 1100

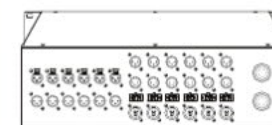
Array spacer for
directionality



MCF-1100 Caster Frame

MCF- 1100

Caster frame for three
cabinets



MDM-5000 Distribution Module

MDM- 5000

Power, audio and RMS
distribution

Compatibility, rigging configuration and load restrictions must follow current official documentation and  verification.



Application Scenarios

Stadiums

Arenas

Concert halls

Large-scale touring

Controlled-directivity arrays

Scenario categories reflect official stated applications; technical image illustrates deployment logic and is not presented as a named case study.

Product Summary

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CONTACT / SALES INFORMATION

Company · Contact · Phone · Email · Website

