

# 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 Meyer Sound arrays.



### SYSTEM ROLE

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

# Key Performance

**28 Hz–100 Hz**

Operating frequency range

**30 Hz–85 Hz  $\pm 4$  dB**

Frequency response

**140 dB**

Linear peak SPL · M-noise

**8100 W peak**

Integrated amplifier output

**249 lb / 112.9 kg**

Weight without rigging

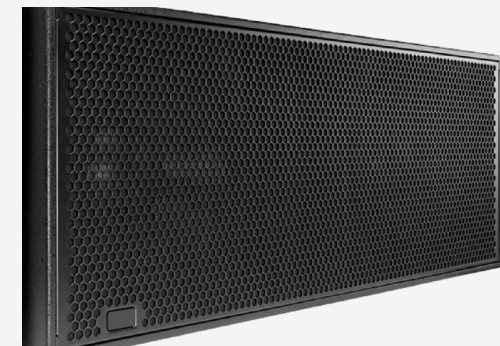
**360°**

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.



# Acoustic & Enclosure Design

## Transducers

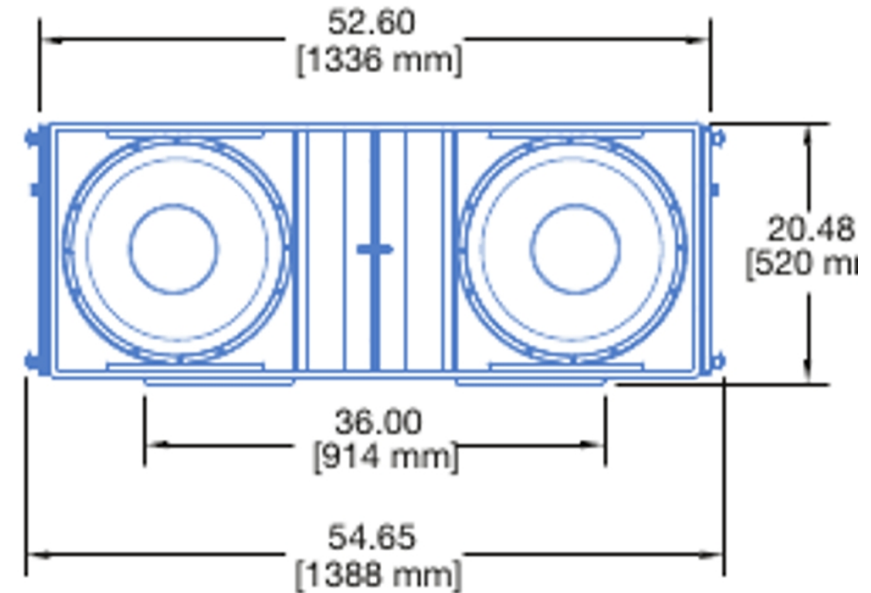
Two 18-inch long-excursion cone drivers; 8  $\Omega$  nominal impedance.

## Amplification

Two-channel complementary MOSFET output stages, Class AB/H bridged, with TruPower limiting.

## Cooling & protection

Three ultra high-speed primary fans plus three reserve fans; field-replaceable amplifier and control module.



### ENCLOSURE

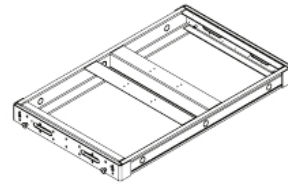
Optimally tuned, vented premium multi-ply birch cabinet • low-air-velocity design • protective plastic skids • weather protection and custom colors optional.

# 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 | Galileo GALAXY Network Platform; MAPP design tool                 |
| Rigging                | Optional MRK-1100 with captive GuideALinks and quick-release pins |

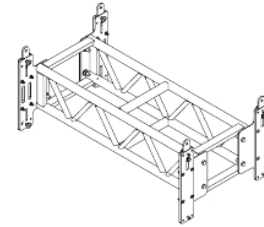
# System Application / Rigging



**MTG-1100 Top Grid**

## **MTG- 1100 TOP GRID**

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



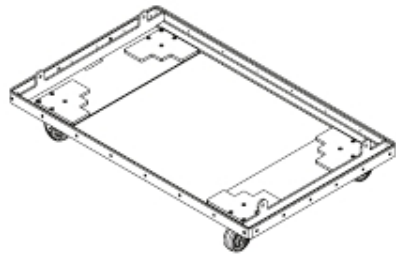
**MAS-1100 Array Spacer**

## **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 MAPP.**

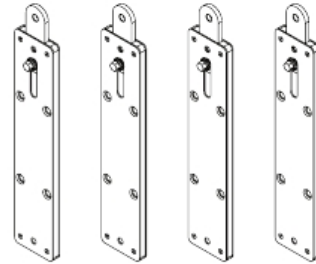
# Deployment Options



**MCF-1100 Caster Frame**

## TRANSPORT BLOCKS

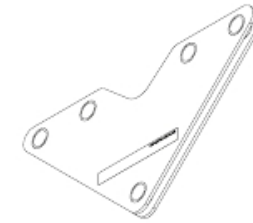
MCF-1100 safely transports up to three cabinets for block assembly.



**MRK-1100 Rigging Kit**

## FLOWN ARRAYS

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



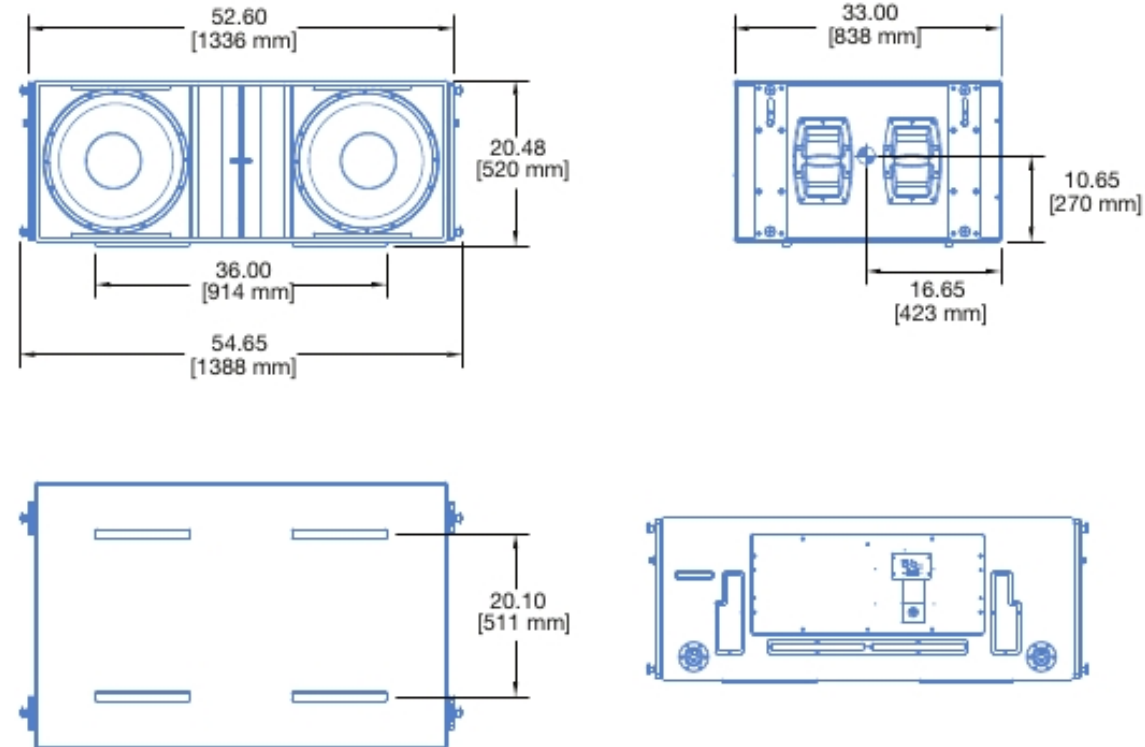
**MVP Motor Vee Plate**

## 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 MAPP.

# 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

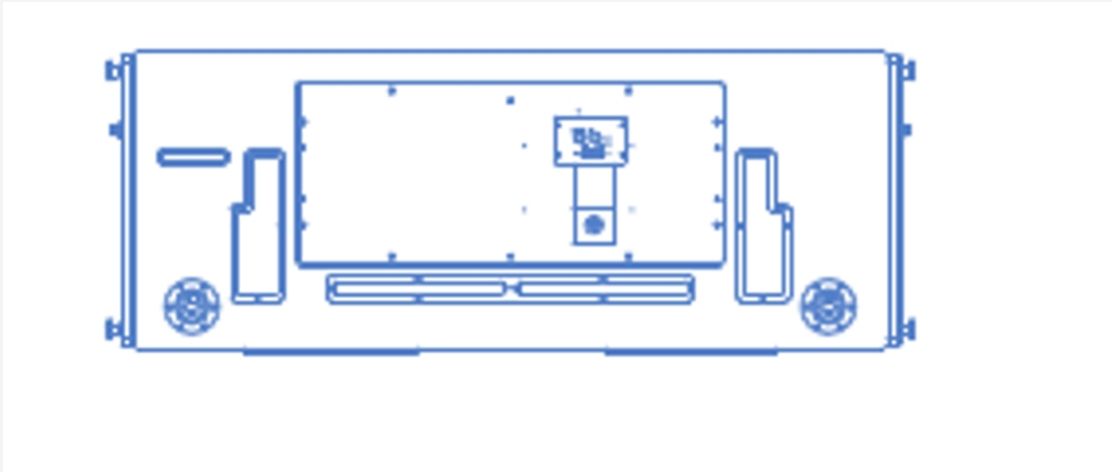
Differential electronically balanced. XLR 3-pin female input with male loop; optional XLR 5-pin for balanced audio plus RMS.

## Power

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

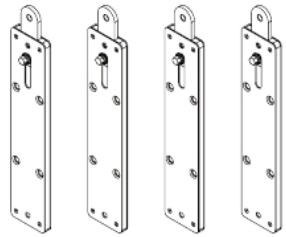
## Monitoring

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



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

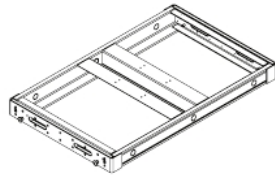
# Accessories



MRK-1100 Rigging Kit

**MRK- 1100**

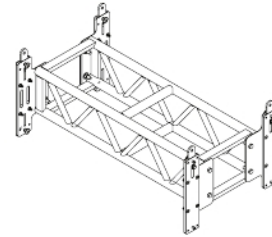
Rigging kit with captive  
GuideALinks



MTG-1100 Top Grid

**MTG- 1100**

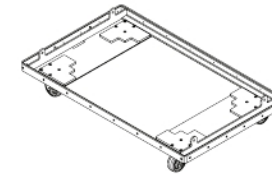
Top grid for flown arrays



MAS-1100 Array Spacer

**MAS- 1100**

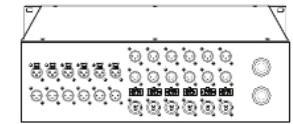
Array spacer for  
directionality



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 MAPP 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

## 1100-LFC

Self-powered low-frequency control element

**28 Hz–100 Hz**

Operating range

**140 dB**

M-noise linear peak SPL

**8100 W peak**

Integrated output

**249 lb / 112.9 kg**

Weight without rigging

### CONTACT / SALES INFORMATION

Company · Contact · Phone · Email · Website

