

# LEOPARD

Compact Linear Line Array Loudspeaker

---

**142 dB**

Maximum peak SPL

**55 Hz–18 kHz**

Operating frequency range

**110°**

Horizontal coverage



Official product detail · English specifications

# Product Positioning

## Mid-sized power. Compact-array agility.

A self-powered, Native Mode line-array platform designed for scalable small- to medium-sized touring and fixed installations.

### Applications

Touring · theatres · concert halls · festivals · rental events · fixed installations

### Core value

High power-to-size ratio, consistent directional control, simplified deployment and integrated monitoring.



### SYSTEM ROLE

**Standalone arrays, LYON downfill, LEO- M / LYON supplemental fills, and mixed LEOPARD / LEOPARD- M80 arrays.**

# Key Performance

**55 Hz–18 kHz**

Operating frequency range

**142 dB**

Maximum SPL

**110°**

Horizontal coverage

**3900 W peak**

Integrated amplifier output

**75 lb / 34.0 kg**

Net weight

**0.5°–15°**

Available cabinet splay angles

## LINEAR PEAK SPL

**133.5 dB M- noise • 130 dB pink noise • 134.5 dB B- noise**

Measured free-field at 4 m, referred to 1 m; see official Datasheet notes for signal definitions.

# Acoustic & Enclosure Design

## Low frequency

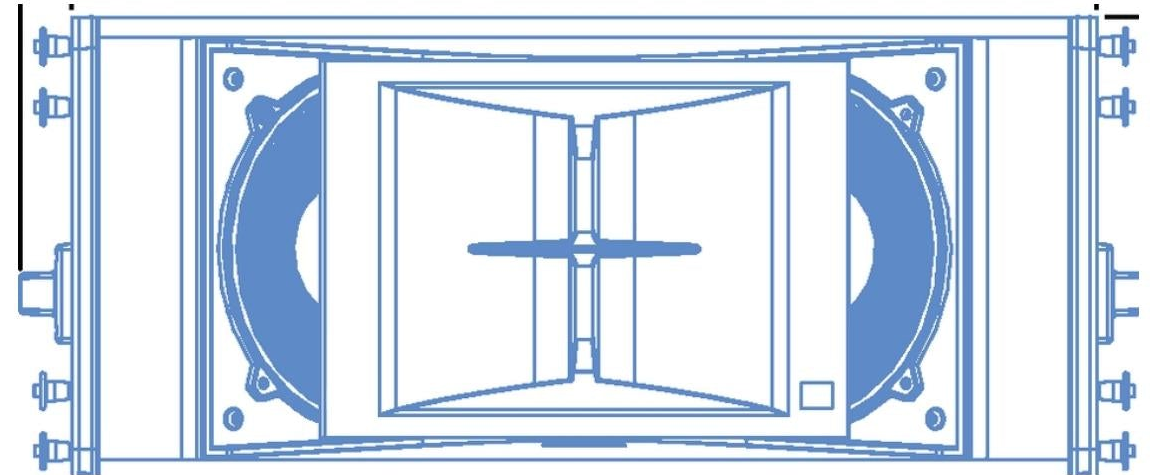
Two 9-inch long-excursion cone drivers; 2  $\Omega$  nominal impedance.

## High frequency

One 3-inch diaphragm compression driver, constant-directivity horn and patented REM® manifold; 4  $\Omega$  nominal impedance.

## Amplification

Three-channel, open-loop Class D module with equalization, phase correction, driver protection and signal division.



### ENCLOSURE

Optimally tuned, vented premium multi-ply birch cabinet · slightly textured black finish · powder-coated hex-stamped steel grille with acoustical black mesh.

# Technical Specifications

| PARAMETER             | OFFICIAL SPECIFICATION                                |
|-----------------------|-------------------------------------------------------|
| Product Model         | LEOPARD                                               |
| Type                  | Compact linear line array loudspeaker                 |
| Drivers               | 2 × 9 in LF; 1 × 3 in diaphragm HF compression driver |
| Frequency Response    | 55 Hz–18 kHz operating frequency range                |
| Rated Power           | Not specified in official materials                   |
| Peak Power            | 3900 W peak, integrated 3-channel Class D amplifier   |
| Sensitivity           | 6.0 dBV (2.0 V rms), nominal input sensitivity        |
| Maximum SPL           | 142 dB                                                |
| Nominal Impedance     | LF: 2 Ω; HF: 4 Ω                                      |
| Coverage / Dispersion | 110° horizontal; vertical varies by array             |

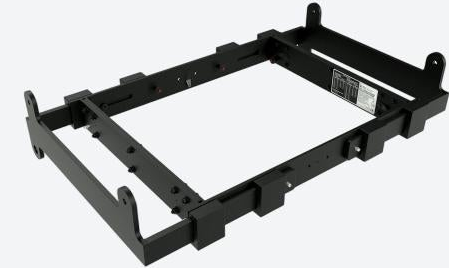
| PARAMETER              | OFFICIAL SPECIFICATION                                                                                                                                                                                    |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure              | Optimally tuned, vented premium multi-ply birch                                                                                                                                                           |
| Finish                 | Slightly textured black; custom colors optional                                                                                                                                                           |
| Protective Grille      | Powder-coated hex-stamped steel; black mesh                                                                                                                                                               |
| Connectors             | XLR 5-pin in/loop; optional XLR 3-pin; powerCON 20 in/loop                                                                                                                                                |
| Dimensions             | W 26.93 × H 11.11 × D 21.66 in (684 × 282 × 550 mm)                                                                                                                                                       |
| Weight                 | 75 lb (34.0 kg)                                                                                                                                                                                           |
| Supplied Fittings      | Captive GuideALinks and quick-release pins                                                                                                                                                                |
| Recommended Amplifier  | Self-powered; no external amplifier required                                                                                                                                                              |
| Recommended Processing |  Network Platform;  design tool |
| Rigging                | End frames; 0.5°–15° splay; side/rear handles                                                                                                                                                             |

# System Application / Rigging



## MG- LEOPARD/900

Multipurpose grid for flown or ground-stacked LEOPARD / 900- LFC systems. Up to 23 LEOPARD cabinets with stated restrictions; verify in [Technical Manual](#).



## MTF- LYON/LEOPARD

Transition frame for LEOPARD downfill below LYON arrays. Up to 10 LEOPARD cabinets with stated restrictions; verify in [Technical Manual](#).

**QuickFly® captive GuideALinks simplify splay selection and block assembly.**

# Deployment Options



## GROUND STACK

Angle feet add approximately 3°–8° of downtilt to an MG- LEOPARD/900 ground stack.



## TRANSPORT / BLOCKS

Caster frame transports up to four fully rigged LEOPARD cabinets for efficient block assembly.

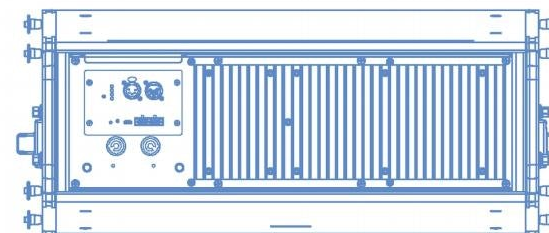
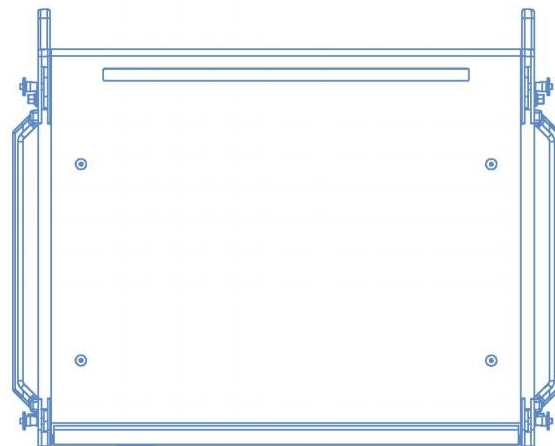
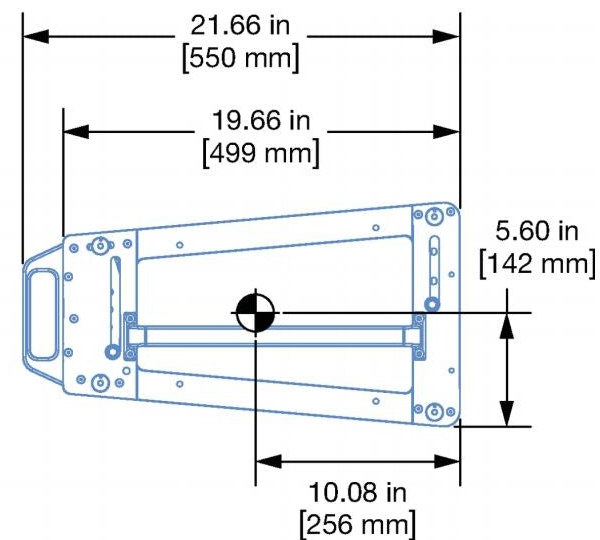
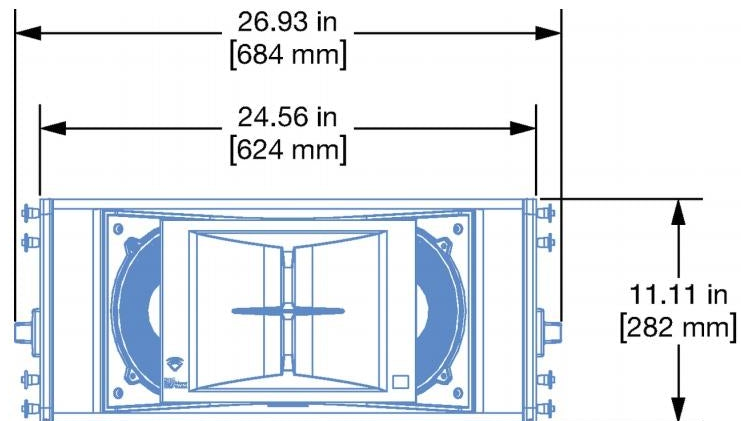


## PULL-BACK

Pull-back frame enables extreme flown-array downtilt and additional ground-stack downtilt.

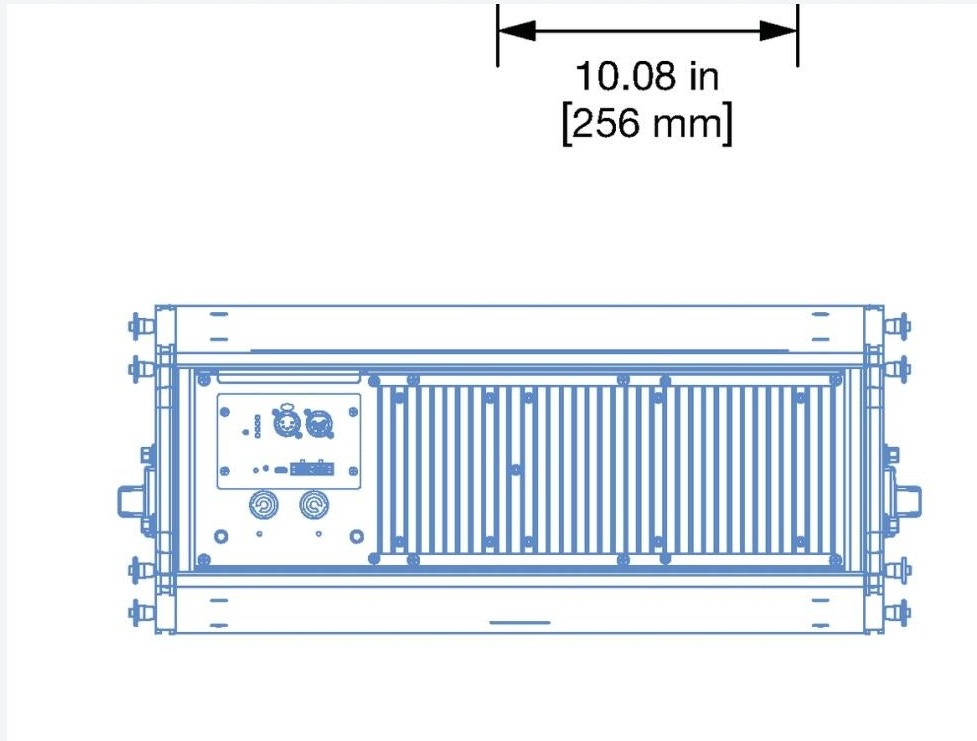
Array length, inter-cabinet angles, pickup points and load ratings must be validated in 

# Technical Drawing / Dimensions



W 26.93 in (684 mm) · H 11.11 in (282 mm) · D 21.66 in (550 mm)

# Connections & Hardware Details



## Audio

Differential electronically balanced input. XLR 5-pin female input and male loop output; XLR 3-pin option for balanced audio without RMS.

## Power

powerCON 20 input with loop output. Automatic voltage selection: 90–265 V AC; safety-rated range: 100–240 V AC, 50–60 Hz.

## Monitoring

Two-conductor twisted-pair RMS network reports amplifier operating parameters to a host computer.

**Hardware: end frames · captive GuideALinks · 0.3125 × 0.63 in quick-release pins · detachable side and rear handles**



## Application Scenarios

---

**Touring & rental**

**Theatres**

**Concert halls**

**Festivals**

**Fixed installations**

Scenario categories reflect official stated applications; image is illustrative and is not presented as a named project case study.

# Product Summary

## LEOPARD

Self-powered compact linear line array loudspeaker

**55 Hz–18 kHz**

Operating range

**142 dB**

Maximum SPL

**110°**

Horizontal coverage

**75 lb / 34.0 kg**

Weight



### CONTACT / SALES INFORMATION

Company · Contact · Phone · Email · Website