

2100-LFC

SELF-POWERED LOW-FREQUENCY CONTROL ELEMENT

Professional low-frequency extension for touring, large-format reinforcement and immersive system applications.

- **30-125 Hz** Operating frequency range
- **21-inch LF driver** Long-excursion cone driver with four voice coils
- **Milan AVB ready** Analog, networked digital audio and telemetry



Product Positioning

Where the 2100-LFC fits in professional system design

01 Large-format low-frequency extension

Designed to extend systems with a 30-125 Hz native operating range and high linear acoustic output.

02 Flexible deployment logic

Supports ground-stacked, flown and cardioid configurations for touring and installation projects.

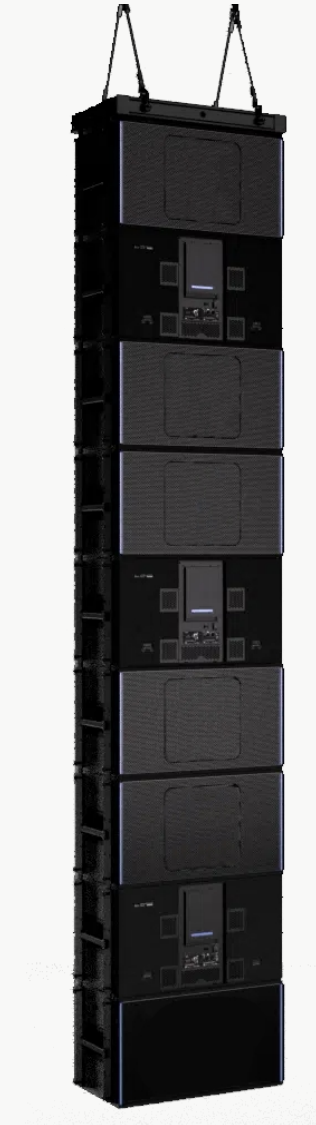
03 Networked system infrastructure

Analog input, Milan-certified AVB digital input and telemetry monitoring through the network port.

04 Transport-efficient architecture

Single 21-inch self-powered cabinet reduces cabling, racks and truck-pack complexity.

Core value: high-output, self-powered low frequency with fewer external system components.



Key Performance

Official headline metrics for fast product comparison



IP55 enclosure rating when connected to cables terminated with Neutrik TOP connectors.

RANGE

30-125 Hz

Operating frequency range

MAX SPL

139.1 dBZpk

AES75 maximum linear sound level

WEIGHT

235 lbs

106.6 kg cabinet weight

COVERAGE

360°

Single unit coverage

POWER

1200 W

Max long-term continuous power consumption

BURST

2400 W

Burst power consumption, <1 sec

Single 21-inch long-excursion cone driver, built-in Class D amplifier, and active cooling support demanding low-frequency program material.

Acoustic & Enclosure Design

Low-frequency engine, cabinet structure and protection details



Acoustic Engine

- One 21-inch long-excursion cone driver
- Four voice coils described in official product materials
- Linear reproduction for demanding LF applications

Self-Powered Architecture

- Class D amplifier integrated into the cabinet
- Shorter signal/power path, fewer external racks
- Active cooling for amplifier and driver assembly

Cabinet & Protection

- Premium multi-ply birch enclosure
- Slightly textured black finish
- Powder-coated stamped steel grille and IP55 rating

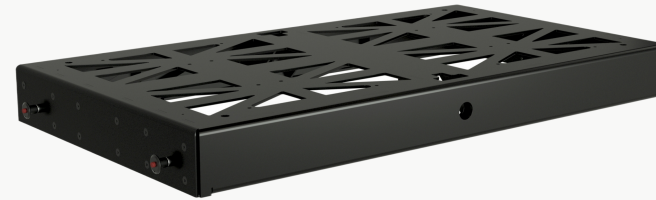
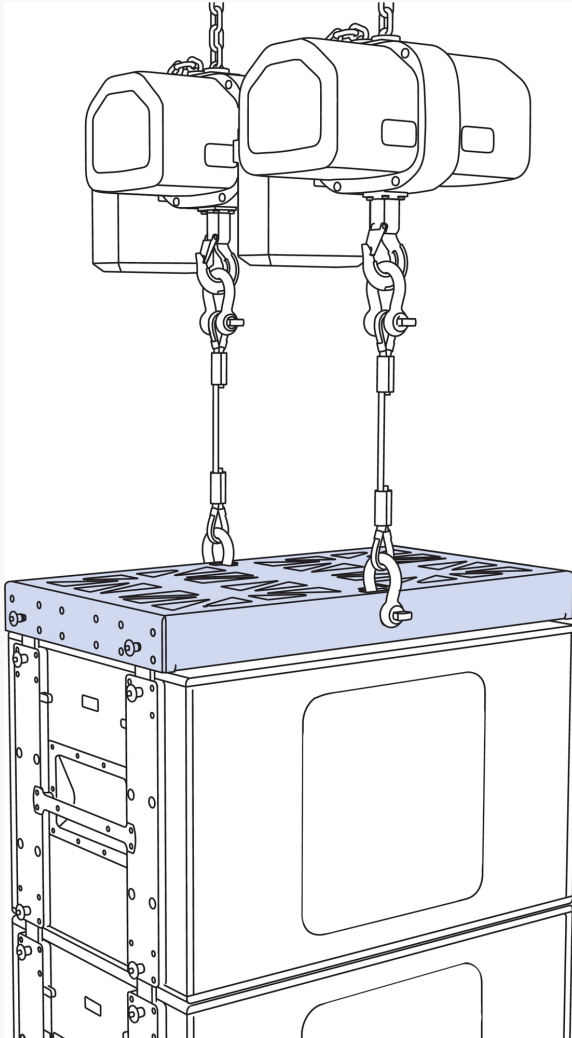
Technical Specifications

Editable parameter table based on the latest official English datasheet

Product Model	2100-LFC	Enclosure	Premium multi-ply birch
Type	Low-Frequency Control Element	Finish	Slightly textured black finish
Drivers	One 21-inch long-excursion cone driver; four voice coils described in official product materials	Protective Grille	Powder-coated, stamped steel
Frequency Response	30 Hz - 125 Hz operating frequency range	Connectors	powerCON TRUE1 TOP; XLR 3-pin TOP input with loop output; etherCON TOP
Rated Power	1200 W max long-term continuous power consumption (>10 sec)	Dimensions	43.49 x 26.00 x 26.00 in / 1105 x 660 x 660 mm
Peak Power	8000 W peak power stated in official product materials; 2400 W burst power consumption (<1 sec)	Weight	235 lbs. / 106.6 kg
Sensitivity	Not specified in official materials	Supplied Fittings	End frames with captive GuideALinks and quick-release pins; cable-mount Neutrik TOP connectors
Maximum SPL	139.1 dBZpk, 129.2 dBZ AES75 maximum linear sound levels	Recommended Amplifier	Self-powered with built-in Class D amplifier; external amplifier not required
Nominal Impedance	4 ohm nominal impedance, LF driver	AC Power	200-240 V AC, 50 or 60 Hz
Coverage / Dispersion	360° (single unit)	Digital Format	AVB, Milan Certified

System Application / Rigging

Official rigging and transport accessories for array deployment



MTG-2100 Grid Kit

Connects the top 2100-LFC cabinet of an array to hoisting equipment.

Array Capacity

Up to sixteen 2100-LFC cabinets at zero grid angle; model arrays in professional prediction software.

MCF-2100 Caster Frame

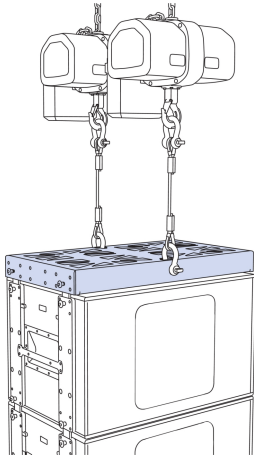
Transports up to three cabinets, or two cabinets plus grid, for efficient assembly blocks.

Configuration Logic

Supports standard and cardioid arrays, flown arrays and ground-stacked deployments.

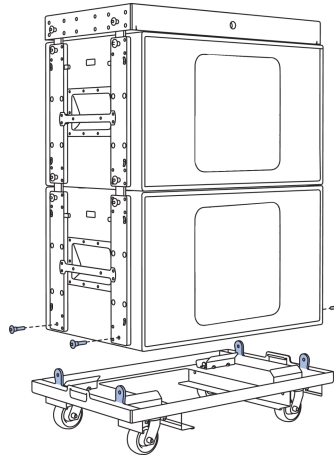
Deployment Options

Array and logistics logic for system planning



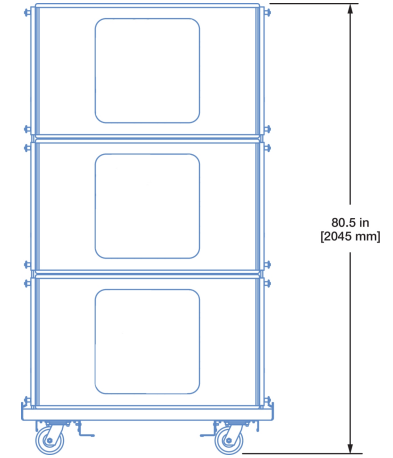
Flown Array

MTG-2100 grid connects hoists to the top cabinet.



Ground Stack

Cabinets align using captive GuideALinks and quick-release pins.

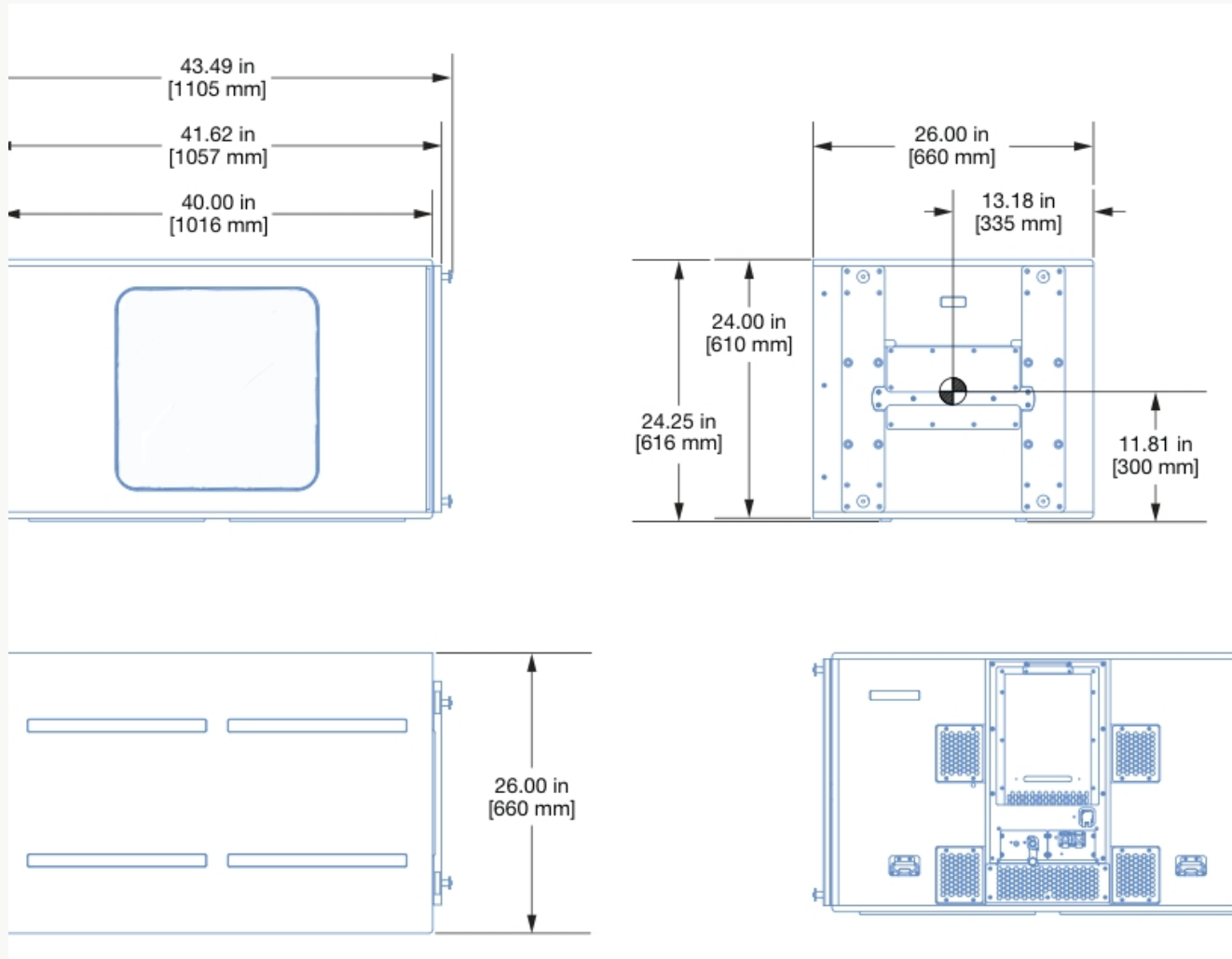


Transport Block

Caster frame enables two or three cabinet logistics blocks.

Technical Drawing / Dimensions

Official datasheet drawing cropped cleanly for slide presentation



DIMENSIONS

43.49 in

1105 mm width

26.00 in

660 mm height

26.00 in

660 mm depth

Connections & Hardware Details

Rear user panel, outdoor connector system and cabinet hardware



Power

Neutrik powerCON TRUE1 TOP

Digital Audio

Neutrik etherCON TOP for AVB / Milan certified input

Weather Protection

TOP connectors achieve IP65 only with compatible TOP cables or seated caps

Analog Audio

XLR 3-pin TOP female input with male loop output

Monitoring

Telemetry transmitted via Ethernet port and displayed in software

Accessories

Official accessories, part numbers and functional purpose



2100-LFC 2-High Cover

Part Number: 79.328.111.02

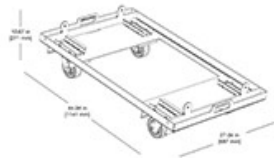
Protects two loudspeakers during transport and storage.



2100-LFC 3-High Cover

Part Number: 79.328.111.03

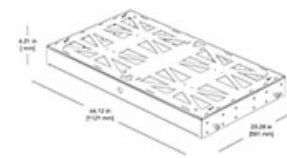
Protects three loudspeakers during transport and storage.



MCF-2100-LFC Caster Frame Kit

Part Number: 40.328.200.01

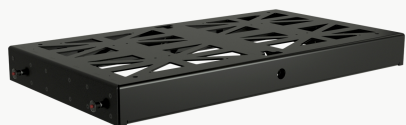
Used to transport up to three 2100-LFC cabinets.



MTG-2100-LFC Top Grid

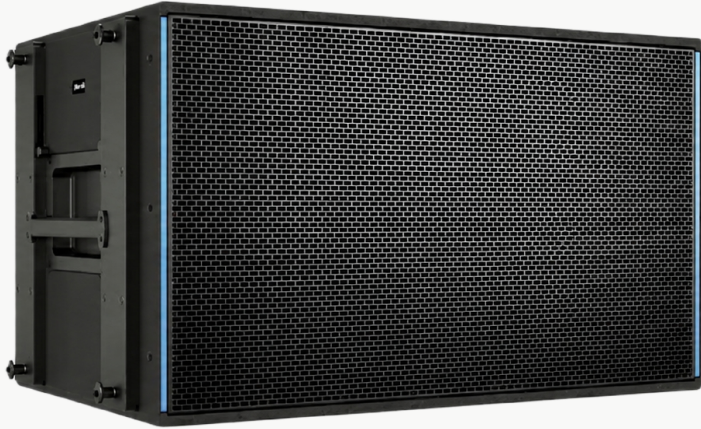
Part Number: 40.328.400.01

Used to fly 2100-LFC arrays.



Application Scenarios

Conceptual use cases for planning - not represented as installed case photos



1 Touring & Festivals

High-output LF extension for portable large-scale reinforcement.

3 Theater / Worship

Self-powered design reduces external amplifier racks and long speaker cable runs.

2 Arenas & Large Venues

Integrated power and telemetry simplify distributed system infrastructure.

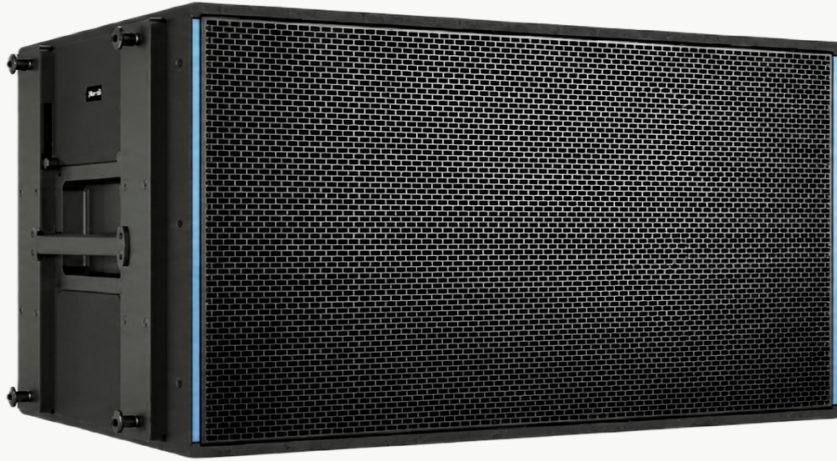
4 Immersive Systems

Low-frequency foundation for full-range arrays and spatial reinforcement.



Product Summary

2100-LFC low-frequency control element overview



Operating Range

30-125 Hz

LF Driver

21-inch

Max Linear SPL

139.1 dBZpk

Weight

235 lbs

LA SOUNDX® PROFESSIONAL AUDIO SYSTEM

Product details, system matching, project quotation and after-sales support can be provided according to your application requirements.