

750-LFC Compact Low-Frequency Control Element



The 750-LFC compact low-frequency control element effectively complements LINA arrays in the lower end of the spectrum with exceptional low frequency headroom. Boasting an incredible power-to-size-ratio for such a compact cabinet the 750-LFC is LINA's ideal and extremely versatile companion.

A newly-designed class D amplifier affords unprecedented power for its size. This innovative new amplifier and signal processing ensure that 750-LFC systems reproduce low frequencies at high continuous levels with clarity, punch and extremely low distortion.

The 750-LFC offers the same sonic linearity as Meyer Sound's award-winning 900-LFC low-frequency control element in a smaller, lighter cabinet, making it ideal for building scalable systems to suit touring and corporate applications or fixed installations.

LINA and 750-LFC systems, like its siblings LEOPARD and 900-LFC, use Native Mode optimized for use with minimal external processing, yielding excellent complete system performance right out of the box. The use of the MDM-832 distribution module routing AC power, balanced audio, and RMS™ to multiple loudspeakers further enhances the portability and easiness to configure a system LEO family systems should be designed

with Meyer Sound's MAPP-XT, to effectively anticipate system SPL and coverage.

In addition to pairing with LINA systems, the 750-LFC integrates easily with Meyer Sound's ULTRA Series loudspeakers. LINA and 750-LFC can be driven by Meyer Sound's Galileo GALAXY loudspeaker management system which provides a powerful toolset for corrective room equalization and creative fine-tuning for a full range of applications.

The 750-LFC is available with or without Meyer Sound's QuickFly® rigging. When equipped with the optional MRK-750-LFC rigging frames, the 750-LFC can to be flown from the MG-MINA multipurpose grid in LINA arrays without any external transition frame. The 750-LFC can also be flown separately as a subwoofer array with variable splay angles from 0 to 5 degrees. The MG-MINA grid can also be used for ground stacks with up tilt or down tilt. Both versions of the 750-LFC can be transported in stacks with the optional MCF-750-LFC caster frame and protective covers

FEATURES & BENEFITS

- Compact cabinet with small footprint and extraordinary power-to-size ratio
- High peak power output with extremely low distortion *
- Exceptional linearity, transient reproduction, and low-frequency clarity
- Self-powered for simplified setup and increased reliability
- Stackable and flyable in regular and cardioid arrays with splay options
- Integral pole-mount receptacle easily pairs with LINA or ULTRA Series loudspeakers

SOLUTIONS

- Scalable low-frequency control for touring or corporate applications or fixed installations
- Clubs, theatres, houses of worship, corporate AV, and theme parks
- Low-frequency complement for LINA, LEOPARD and ULTRA systems

750-LFC SPECIFICATIONS⁴

ACOUSTICAL¹	
Operating Frequency Range ²	36 Hz – 125 Hz
TRANSDUCER	
Low Frequency	One 15-inch dual-coil, long-excursion cone driver
AUDIO I/O	
Connectors ³	XLR 3-pin or 5-pin female input with male loop output
AMPLIFIER	
Type	2-channel, open-loop, class D
AC POWER	
Connectors	powerCON 20 input with loop output
Safety Rated Voltage Range	100–240 V AC, 50–60 Hz
Turn-on/off Points	90 V AC turn-on, no turn-off; internal fuse-protection above 265 V AC
Max. Long-Term Cont. Current	3.9 A rms (115 V AC); 2.0 A rms (230 V AC); 4.2 A rms (100 V AC)
RMS NETWORK (OPTIONAL)	
	Equipped with 2-conductor, twisted-pair network, reporting all amplifier operating parameters to host computer
PHYSICAL	
Dimensions	20.27 in W x 20.5 in H x 21 in D (515 mm x 521 mm x 533 mm)
Dimensions w/Rigging	20.27 in W x 20.5 in H x 21 in D (515 mm x 521 mm x 533 mm)
Weight	92 lbs (41,7 kg)
Weight w/Rigging	102 lbs (46,1 kg)
Enclosure	Premium birch plywood with black textured finish
Protective Grille	Powder-coated, hex-stamped steel with acoustical black mesh
Rigging	Endframes with captive GuideALinks (0 to 5-degree splay angles), quick-release pins, and detachable side handles
Load Ratings	MG-MINA multipurpose grid flies up to 8 750-LFC at 5:1 safety factor and BGV C 1. Some restrictions apply.

NOTES

- ¹ Loudspeaker system predictions for coverage and SPL available in Meyer Sound's MAPP software.
- ² Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
- ³ XLR 5-pin connectors accommodate both balanced audio and RMS signals.
- ⁴ Preliminary Specifications – Subject to Change Without Notice

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