

LM-Series by SHERMANN Audio

LM450

(discontinued model - replacement parts normally in stock except 15"; recone only)

Shermann's LM-450 is a powerful, low profile dedicated stage wedge supplied in two-way passive drive format and a non-reflective black finish.

It features an efficient 15" bass/mid driver and 1" HF compression driver on a **Shermann** horn unit.

With superior vocal projection qualities and advantageous high gain before feedback the **LM-450** represents excellent value in a truly compact package.



The LM-Series has been designed for use in the widest possible range of applications offering very high performance in a rugged but unobtrusive package.

Shermann's LM-450 combines a very low apex height with high sonic quality making it ideal for use in Theatres, TV Studios, Cabaret & Concert stages and Places of Worship.

The LM-450 is equipped with a powerful 15" bass/mid driver which incorporates a substantial magnet assembly and 3" voice coil.

Upper midrange & HF response is handled by **Shermann's** GS25F1 compression driver assembly.

An advanced ferro-fluid installed within the magnetic gap of all **Shermann** compression drivers improves long-term reliability by reducing heat build-up within the voice coil assembly.

Shermann's LM-450 is built to the highest standards and incorporates sustainable or recyclable materials wherever possible.

High grade 15mm baltic birch plywood is utilised for the outer shell whilst the loudspeaker baffle thickness is 25mm for ultimate rigidity and performance.

Connections

Speakon NL4 pin 1+ **hot** / pin 1- **cold** (2+ 2- to order)

Crossover frequencies

Internal: not applicable; passive drive

External: 4th order 110Hz (with **Shermann** bass systems)

Technical Specifications

System

Format	2 way Passive
Network	PCN-3
Nom' impedance	8 ohm
Hi-pass filter (-3dB point)	40Hz / 4th order
Rec' amp' power @ 8ohm	250 - 400 watts rms
Maximum input power	450 watts

Performance

Sensitivity @ 1w/1m	100 dB
Maximum output	126 dB @ 1m
Frequency response	60 Hz - 18.5 KHz
Dispersion (>2.5kHz)	40° x 70°

Components

Drive unit (LF/MF)	380 mm (15")
Drive unit (HF)	25 mm
Horn unit	Shermann GHF-2

Dimensions

Height	432 mm (17.00")
Depth	343 mm (13.50")
Width	638 mm (25.13")
Apex height	375 mm (14.75")
External volume	81.5 lts (2.9 ft ³)
Weight	29.2 Kgs (65 lbs)

Mechanical

Connectors	"Speakon" NL4 x 2
Flying points (option) *	GS-TA3
Stand mount (option) *	GSA1/35
Handle	2 x large flip
Finish*	Black carpet

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the LM450.

Ashly, BSS, DBX, Klark-Teknik, and XTA offer suitable models which may be loaded with preset configurations to enable successful operation within any Sherman system.

The foam front used in this cabinet is not fire retardant.



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