

# LM-Series by SHERMANN Audio

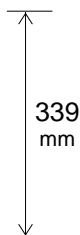
## LM400

*(discontinued model - replacement parts normally in stock except 12"; recone only)*

**Shermann's LM-400** 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 12" 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-400 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-400** 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-400 is equipped with a powerful 12" 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-400 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	200 - 350 watts rms
Maximum input power	400 watts

#### Performance

Sensitivity @ 1w/1m	98 dB
Maximum output	124 dB @ 1m
Frequency response	65 Hz - 18.5 KHz
Dispersion (>2.5kHz)	40° x 70°

#### Components

Drive unit (LF/MF)	305 mm (12")
Drive unit (HF)	25 mm
Horn unit	Shermann GHF-2

#### Dimensions

Height	362 mm (14.25")
Depth	318 mm (12.50")
Width	575 mm (22.63")
Apex height	339 mm (13.36")
External volume	57.6 lts (2.00ft <sup>3</sup> )
Weight	23.2 Kgs (51 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 LM400.

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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