

LM-Series by SHERMANN Audio

LM550

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

Shermann's LM-550 is a powerful, two-way low profile stage wedge supplied in passive drive format.

This ultra compact monitor features an efficient 12" bass/mid driver and a 2" HF compression driver on a **Shermann** horn unit. With superior vocal projection qualities, advantageous high gain before feedback and a sturdy, non-reflective black finish the **LM-550** has received widespread praise & acclaim for its superb operational capabilities.



339
mm

Shermann's LM-Series has been designed for use in the widest possible range of applications. It offers very high sonic performance in a package that is rugged yet certainly unobtrusive.

The **LM-550** combines a low apex height with superb sonic quality and very high output levels making it ideal for use in Theatres, TV Studios, Cabaret, Concert stages and Rock venues.



The LM-550 is equipped with a very powerful, efficient 12" bass/mid driver which incorporates an enormous magnet assembly and 4" voice coil.

Upper midrange & HF response is handled by **Shermann's** GS50BC2 / GHF-4 compression driver / horn 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-550 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.

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	300 - 500 watts rms
Maximum input power	550 watts

Performance

Sensitivity @ 1w/1m	100 dB
Maximum output	127 dB @ 1m
Frequency response	65 Hz - 17.5 KHz
Dispersion (>2.5kHz)	40° x 70°

Components

Drive unit (LF/MF)	305 mm (12")
Drive unit (HF)	50 mm
Horn unit	Shermann GHF-4

Dimensions

Height	362 mm (14.25")
Depth	321 mm (12.63")
Width	575 mm (22.63")
Apex height	339 mm (13.36")
External volume	57.6 lts (2.00ft ³)
Weight	28.9 Kgs (64 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 LM550.

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

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



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