

LM-Series by SHERMANN Audio

LM650

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

Shermann's LM650 is a powerful, two-way low profile stage wedge supplied in passive drive format.

This ultra compact monitor features an efficient 15" 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-650** has received widespread praise & acclaim for its superb operational capabilities.

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

The **LM-650** combines a low apex height, high quality vocal response and very high output levels making it ideal for use in Theatres, TV Studios, Cabaret, Concert stages and Rock venues.



The LM-650 is equipped with a very powerful, efficient 15" 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-650 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**

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	360 - 600 watts rms
Maximum input power	650 watts

Performance

Sensitivity @ 1w/1m	100 dB
Maximum output	128 dB @ 1m
Frequency response	55 Hz - 17.5 KHz
Dispersion (>2.5kHz)	40° x 70°

Components

Drive unit (LF/MF)	380 mm (15")
Drive unit (HF)	50 mm
Horn unit	Shermann GHF-4

Dimensions

Height	438 mm (17.25")
Depth	356 mm (14.00")
Width	629 mm (24.75")
Apex height	393 mm (15.5")
External volume	86 lts (3.0 ft ³)
Weight	36.1 Kgs (79 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 LM650.

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.



Shermann Audio

Unit 35, Vastre Enterprise Park,
Newtown, Powys.
SY16 1DZ

Tel: +44 (0) 1686 622997

Fax: +44 (0) 1686 623 233

Email: info@shermann.com

Web: www.shermann.com