

LM-Series by SHERMANN Audio

LM501

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

Shermann's LM501 is a powerful, low profile dedicated stage wedge supplied in three-way passive drive format and a non-reflective black finish.

It features an efficient 15" bass driver plus a co-axially mounted 1" HF compression driver and a 6.5" midrange unit.

With superior vocal projection qualities and advantageous high gain before feedback the LM-501 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-501 combines a low apex height with high sonic quality making it ideal for vocal and music foldback for use in Theatres, TV Studios, Concert stages and Places of Worship.

The LM-501 is equipped with a powerful 15" bass/mid driver which incorporates a substantial magnet assembly and 4" voice coil.

Midrange response is handled by **Shermann's** GM17/50 cone mid unit whilst a GS25B1 compression driver / GHF-7 horn assembly handles the high frequencies.

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-501 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	3 way Passive
Network	PCN-4
Nom' impedance	8 W
Hi-pass filter (-3dB point)	35Hz / 4th order
Rec' amp' power @ 8 W	250 - 500 watts
Maximum input power	600w rms

Performance

Sensitivity @ 1w/1m	99 dB
Maximum output	127 dB @ 1m
Frequency response	60 Hz - 18.5 KHz
Dispersion (>2.5Khz)	40° x 70°

Components

Drive unit (LF)	380 mm (15")
Drive unit (MF)	6.5" cone mid
Drive unit (HF)	25 mm / CD Horn

Dimensions

Height	438 mm (17.25")
Depth	343 mm (13.50")
Width	705 mm (27.75")
Apex height	378 mm (14.87")
External volume	91.5 lts (3.2 ft ³)
Weight	34.2 Kgs (76 lbs)

Mechanical

Connectors ²	"Speakon" NL4 x 2
(Option)	"Speakon" NL2
Flying points (option) ²	n/a
Stand mount (option) ²	GSA1/35
Handle	2 x large flip
Finish ^{2,3}	Black carpet

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the LM3.

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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