

# LM-Series by SHERMANN Audio

## LM601

**Shermann's LM601** 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 LM601 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 LM601** 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 LM601 is equipped with a powerful 15" bass/mid driver which incorporates a substantial magnet assembly and 3" 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** LM601 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 ohm
Hi-pass filter (-3dB point)	35Hz / 4th order
Amp' power @ 8 ohm	250 - 600 watts
Maximum input power	1200w rms

#### Performance

Sensitivity @ 1w/1m	99 dB
Maximum output	129 dB @ 1m
Frequency response	50 Hz - 18.5 KHz
Dispersion (>2.5KHz)	40° x 80°

#### 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 <sup>3</sup> )
Weight	34.2 Kgs (76 lbs)

#### Mechanical

Connectors <sup>2</sup> (Option)	"Speakon" NL4 x 2 "Speakon" NL2
Flying points (option) <sup>2</sup>	GS-TA3
Stand mount (option) <sup>2</sup>	GSA1/35
Handle	2 x large flip
Finish <sup>2,3</sup>	Black carpet

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the LM601.

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](mailto:info@shermann.com)

Web: [www.shermann.com](http://www.shermann.com)