

A Series by Shermann

LM5

The Shermann **LM5** is a compact, lightweight 15"/1.4" low profile wedge monitor.

For operational convenience we have fitted two sets of dual NL4 input plates, one set at the lower front edge and the other set on the other end to the handle.

Also supplied is a GSA1/35 stand mount adaptor to enable use with any good quality tripod stand or bass cabinet mounted extension pole.



Low-Profile Versatility.

Cost-effective, lightweight, compact and capable of performing a wide variety of tasks.

The **LM5** is a powerful stage monitor; using its steep 35° angle it can be placed close to microphone stands for maximum upward vocal projection thereby reducing spill to other performers.

Also, as a front-of-house PA box the **LM5** offers premium performance whether stand mounted or stacked on Shermann LF units.

The **LM5** may be used in partnership with any compact Shermann LF unit to create stunning drum and keyboard monitors or on-stage side fills.

Touring the LM5

Versatility is the keyword with all Shermann products and the LM5 has been designed to maximise use within a wide variety of system combinations.

This compact, lightweight workhorse is supplied with a strategically placed handle to assist loading or stacking.

A heavy duty 35mm pole mount is supplied as standard.

Installing the LM5

The numerous advantages of fully equipped Shermann touring boxes are also available to the installer.

For obvious reasons we do not supply different versions of wedge monitors as they would normally need to be portable and therefore finished as a standard unit.

We can of course supply this model in various colour finishes.

Exterior fittings

Handles (top & bottom)
Recessed grab type

Finish

TPC (Textured Protective Coating)
or for install, TRC paint

Skids

Bottom and rear mounted easily replaced 15mm plywood skids

Flying Points (to order)

Construction

Cabinet shell

15mm multi-laminate Scandinavian birch plywood.

Baffle assembly

18mm multi-laminate Scandinavian birch plywood.

Connections

Speakon NL4

pin 1+ **hot** / pin 1- **cold**

Input sockets may be parallel linked on all pins eg. 1+ to 1+ / 2+ to 2+ (see diagram)

This facility allows "daisy chaining" of four LM5 cabinets in pairs using one four core cable.

An appropriate adaptor cable capable of routing the feed from pins 2+/2- to 1+/1- is available.

Crossover frequencies

High pass (full range mode)

40Hz 4th/8th order Linkwitz-Riley
or Butterworth filtering

High pass (with Shermann LF systems)

110Hz 4th order Linkwitz-Riley

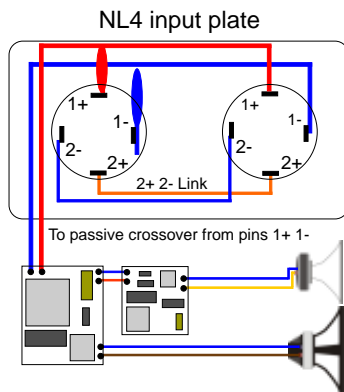
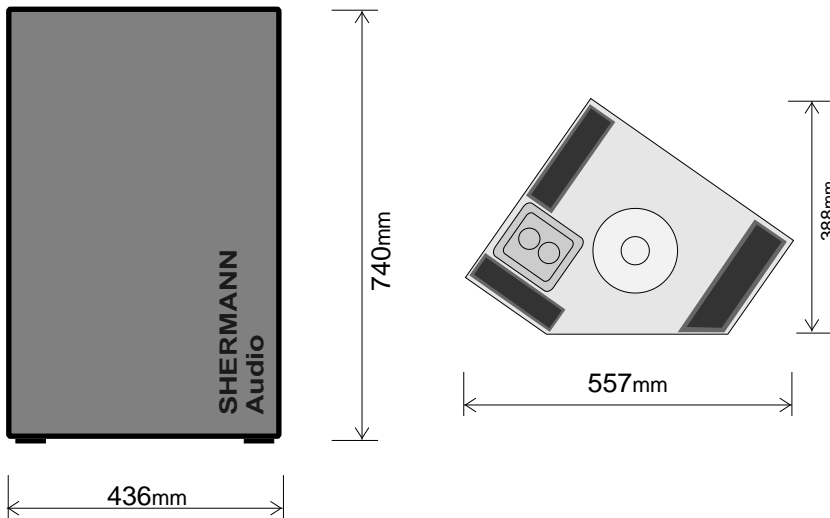
* Options must be requested at time of ordering.

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit within systems incorporating the LM5.

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.

LM5



Speaker Cables

We recommend the use of **2.5mm²** or **4mm²** OFC cabling with all Shermann full range cabinets.

Wherever possible, cable lengths should not exceed **5 metres** for 4 ohm loading (*2 x 8ohm LM5 in parallel*); cabinet link cables should not exceed 1 metre.

Please call for details on Shermann cables - contact info' shown below.

Please note

We would like to draw your attention to the likelihood of hearing damage from prolonged exposure to high sound pressure levels.

Care should be taken when using cabinets in close proximity to the audience, musicians or artists.

For further information on the safe operation of any Shermann product please fax, call or email us - contact details are shown below.

The information within this data sheet is accurate and correct at the time of publication.

It is recommended that all technical information is verified with the company before inclusion in quotations or tender documents.

The company will not be held responsible for losses or difficulties arising from errors, changes or omissions.

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Technical Specifications

System

| | |
|-----------------------------|---------------------|
| Format | 2 way Passive |
| Network | PCN3 |
| Nom' impedance | 8 ohms |
| Hi-pass filter (-3dB point) | 40Hz / 4th order |
| Rec' amp' power @ 8 ohm | 450 - 700 watts rms |
| Continuous Programme | 1400 watts |

Performance

| | |
|---------------------|------------------|
| Sensitivity @ 1w/1m | 99 dB |
| Maximum output | 129 dB @ 1m |
| Frequency response | 50 Hz - 18.5 KHz |
| Dispersion > 2 KHz | 60° x 80° |

Drive unit - LF

| | |
|---------------------|-----------------------|
| Drive unit size | 388 mm / 15" |
| Voice coil diameter | 101 mm / 4" |
| Chassis | cast aluminium |
| Magnet | neodymium |
| Mounting | 6mm caphead bolts x 4 |

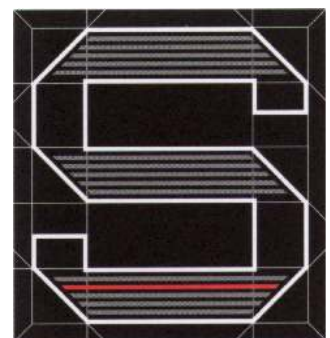
Drive unit - HF

| | |
|---------------------|--------------|
| Drive unit exit | 36 mm / 1.4" |
| Voice coil diameter | 76 mm / 3" |
| Magnet | ferrite |
| Diaphragm | titanium |
| Mounting | 6 mm x 4 |

Dimensions

| | |
|-----------------|--------------------------------|
| Height | 740 mm (29.10") |
| Depth | 350 mm (13.78") |
| Width | 436 mm (17.15") |
| Apex height | 388 mm (15.25") |
| External volume | 59 lts (3.97 ft ³) |
| Weight | 24.5 Kgs (55 lbs) |

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Shermann

The A Series