

R118B^{mk2}

The **R118B^{mk2}** by Shermann® is another major advance in the development of compact, high power, low frequency drive systems.

The original 2001 design by Ken Hughes introduced VHR™ loading techniques within **R Series** LF products.

The 2007 mk2 design features a reduced overall depth and a more powerful driver.

The technique offers major sonic advances through the combination of critical excursion control and a flare rate optimised for the desired response.



The European 18" LF driver operates within a compact, ported enclosure to provide smooth, high energy, extended low frequency drive below 35Hz.

The R118B^{mk2} has also received some internal revisions to allow the newly introduced 1kw 18" ferrite magnet drive unit to operate at its full acoustic potential.



Touring the R118B^{mk2}

Versatility is the keyword with all Shermann products and the R118B^{mk2} has been designed to maximise use within a wide variety of system combinations.

This compact, relatively lightweight low frequency workhorse is supplied with eight strategically placed handles to assist loading or stacking; the cabinet may be used in vertical or horizontal format.

Four x 100mm rear mounted swivel castors are supplied as standard whilst an *optional* castor attachment plate may be fitted to allow rapid removal of any castor for the odd occasion when load or stage space becomes a little tight.

A fully recessed, heavy duty 35mm pole mount is also fitted on the top of the R118B for use with our telescopic extension pole; these fittings will support a 50kg mid/high cabinet.

Installing the R118B^{mk2}

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

From a totally basic model without handles or castors the R118B^{mk2} may also be specified in a variety of painted finishes and even supplied with flying equipment if space restrictions dictate that LF drive cabinets cannot be floor mounted.

Our expertise in the installation market allows us to offer superb sounding systems which are highly efficient, cost-effective and fully compatible with our customer's requirements.

Exterior fittings

Handles (Eight in total)
3 per side / 1 top / 1 bottom.

Handles (type)
All sealed insert style

Castors (rear mounted x 4)
100mm heavy duty swivel type.

Finish
Textured Protective Coating / black as standard; colour options

Grille
Heavy duty steel mesh c/w acoustically transparent foam and engraved logo.

Skids
Bottom and rear mounted easily replaced 18mm plywood skids

Construction

Cabinet shell
18mm multi-laminate Scandinavian birch plywood.

Baffle assembly
25mm multi-laminate Scandinavian birch plywood.

Connections

Speakon NL8
pin 1+ **hot** / pin 1- **cold**

Speakon NL4 (option) *
pin 1+ **hot** / pin 1- **cold**

Wiring (NL4 & NL8 connectors)
Brown + / Blue -

Connector / back plate options *
1) Dual NL8 - standard fitting
2) Dual NL4 - optional
3) Dual NL4 plus 1 x NL8

All sockets are parallel linked on all available pins eg. 1+ 1- / 2+ to 2+ (see diagrams)

Crossover frequencies

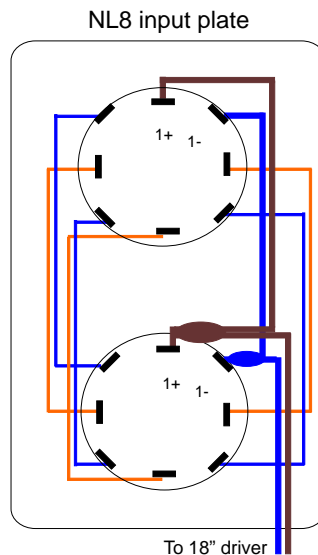
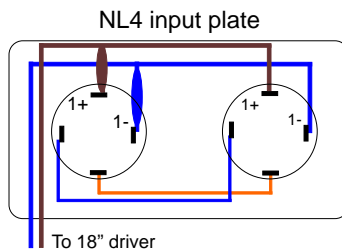
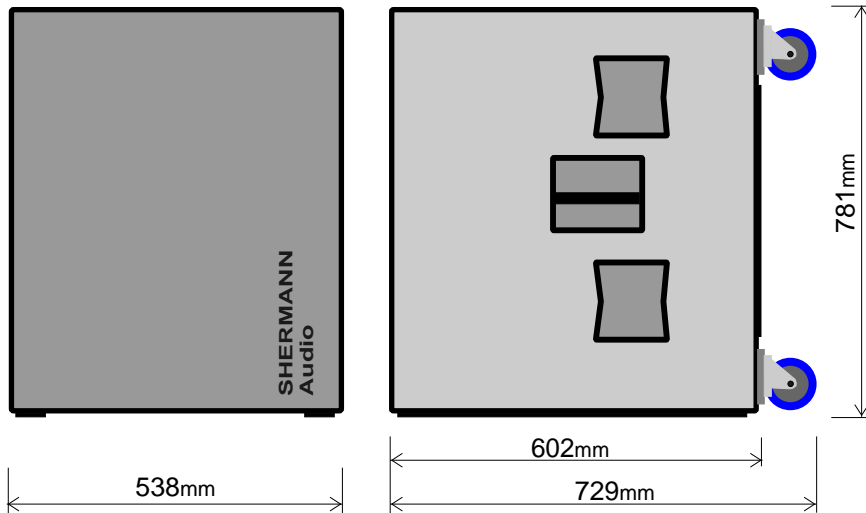
High pass
25Hz 4th/8th order Linkwitz-Riley or Butterworth filtering

Low pass
110Hz 4th order Linkwitz-Riley

Note: The R118B is not available with internal passive filtering

** Options must be requested at time of ordering.*

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Speaker Cables

We recommend the use of 4mm² or 6mm² OFC cabling with all Shermann LF drive cabinets.

Wherever possible, cable lengths should not exceed 5 metres for 4 ohm loading (2 x 8ohm R118B^{mk2} 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.

Textured Protective Coating.

The coating currently applied to Shermann loudspeakers is an extremely hard wearing textured finish designed to protect the loudspeaker cabinet during normal use.

Damage may be caused through contact with sharp objects or if stacked against flight cases or any other item with metal fittings during transportation.

Whilst this style of coating is generally accepted as more durable than a paint finish it should be accepted that TPC is not armour plating and as such, may indeed be scratched or damaged.

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 as 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	VHR loading
Nominal impedance	8 ohm
Rec' amp' power @ 8ohm	550-1,000 watts rms
Programme power	2000watts

Performance

Sensitivity @ 1w/1m	98 dB
Output (peak)	130 (133)dB @ 1m
Frequency response (-3dB)	30 Hz - 120 Hz

Components

Drive unit size	462 mm / 18"
Voice coil diameter	102 mm / 4"
Chassis	cast aluminium
Suspension	dual spider
Magnet	ferrite
Mounting	6mm caphead bolts x 8

Dimensions

Height	781 mm / 30.75"
Depth over castors	729 mm / 28.70"
Depth - excl' castors	602 mm / 23.70"
Width	538 mm / 21.20"
External volume	252 lts / 8.9 ft ³
Weight	52.7Kgs / 117 lbs

* 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 R118B^{mk2}. Klark-Teknik, BSS, Ashly and XTA manufacture suitable models which may be loaded with preset configurations to operate with any Shermann system.

The original Shermann R118B^{mk1} models may be ordered by existing users.

Please call before ordering.

R118B^{mk2} specification update Nov' 2007



ShermannAudio

R Series