

SHERMANN Audio

R1M

The R1M- multi-role - low distortion - lightweight.

The new **Shermann** R1M is loosely based on the original RS1 model through the use of dual 6.5" drivers and a 1" HF.

That's where the similarity ends as the cabinet has been completely redesigned.

In this instance the R1M may be used on stands or poles and with its own designated flying/stand mount bracket.

Compact, lightweight and versatile are the requirements fulfilled by this superb **Shermann** cabinet.

For use in theatres, pubs, churches, village halls, for school plays or even outdoors the R1M offers the owner or hirer a wide world of high quality sonic opportunities.

Return to the simple ways of successfully using a R1M with a **Shermann** R3B per side - a simple four cabinet rig offering substantial performance simply powered with a lightweight four channel amp also available from **Shermann**.

The 6.5" bass/mid.

The R1M is equipped with two efficient 6.5" bass/mid drivers.

Each features a medium weight ferrite magnet assembly, 1.6" copper voice coil, medium weight cone and a cast aluminium chassis.

Using this 6.5" driver at its most efficient in the frequency bandwidth of 80 - 1.8KHz the R1M is ideal for use either as a solo cabinet for speech requirements or with single 15" bass systems - dependant of course on programme material.

The 1" hf driver.

The R1M features a responsive 1" compression driver equipped with a neodymium magnet assembly and a composite diaphragm.

Operating from 1.8KHz this outstanding compression driver is attached to an aluminium horn whose dispersion pattern is a nominal 90° x 60°.

The horn may be rotated to offer a 60° x 90° pattern when used as a wedge depending on the desires of the operator or artist.

The R1M cabinet.

Built from Eastern European birch plywood the RS1 is fitted with two wedge angles.

A steep 50° angle allows close to mic' stand operation whilst a shallower 20° angle allows the R1M to be placed on, for example, the **Shermann** R3B sub for use as a drum, bass or keyboard monitor.

For flying purposes the RS1 is equipped with two flush mounted 8mm nut plates allowing use with its own flying/stand mount bracket.

A large insert handle is fitted at the top of the cabinet whilst a 35mm stand mount is also present.

Finally, the gigging version of the R1M is coated with a dense, heavy duty textured material we've named TPC.

The coating is extremely durable and it's been proved that TPC retains its ability to protect the cabinet far longer than conventional paint finishes.

The results.

The R1M is a high technology loudspeaker that's a pleasure to use and a greater pleasure to perform with.

It's affordable, compact and lightweight.

With or without subs the R1M allows the engineer great freedom of set-up whilst its clear response in wedge mode allows artists to hear their performances precisely and accurately.

The technicals.

Please see page 2 for mechanical and technical details.

Warning.

It should be remembered that the R1M is capable of high pressure levels therefore care should be taken in their positioning with regard to your audience or artists.

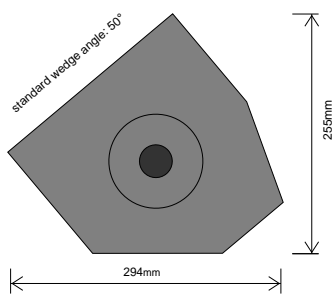
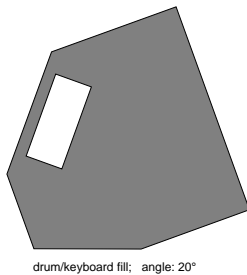
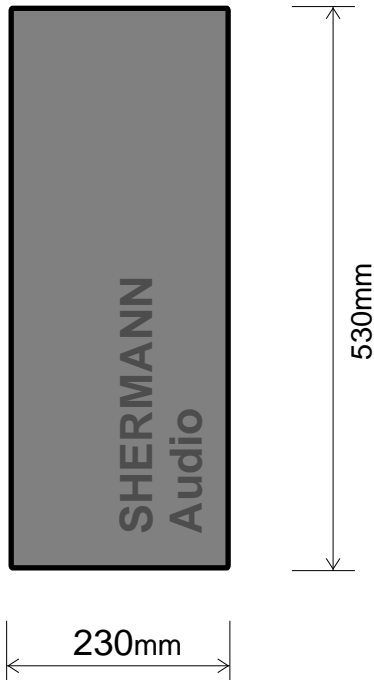
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System

Format	2 way passive
Passive Networks	PCN3
Nom' impedance	8 ohms
Hi-pass filter (-3dB)	70Hz / 4th/8th order
Hi-pass with sub	120Hz / 4th order LR
Power @ 8ohm	300w AES

Performance

Sensitivity @ 1w/1m	97dB
O/P level at rated power	120 dB @ 1m
Frequency range	85 Hz - 18.5 KHz (± 3 dB)
Dispersion above 1.6KHz	90° x 60° (H x V)
Optional dispersion	60° x 90° (H x V)

Drive unit - LF

Drive unit size	164 mm / 6.5" (x 2)
Voice coil diameter	38 mm / 1.5"
Chassis	cast aluminium
Magnet	ferrite
Mounting	5mm caphead bolts x 4

Drive unit - HF

Drive unit exit	25 mm / 1"
Voice coil	44 mm / 1.75"
Magnet	neodymium
Diaphragm	composite
Horn mounting	5mm c/s socket bolts x 4

Dimensions

Height	530 mm - 20.90"
Depth	230 mm - 9.05"
Width	230 mm - 9.05"
Apex height as wedge	255 mm - 10.00"
External volume	27 lts - 0.98 ft ³
Weight	10.4 Kgs - 23lbs

Cabinet

Panels	12 mm birch ply
Baffle	18 mm birch ply
Cabinet external	Textured Protective Coating
Handles	Top insert
Grille	Coated steel mesh
Skids	n/a

Connections

Inputs	NL4 x 4 (2 dual plates fitted)
connection	Pins 1+ 1-

Flying & stand mount hardware

Stand mounts - fitted	35mm
Flying points - fitted	2 x 8mm nut plates

Recommended crossover points *

see above

* Please Note - digital crossover settings are available for Ashly, XTA, BSS, Klark-Teknik and Xilica models.

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