

# SHERMANN Audio

# V6

The V6 - multi-role and ultra lightweight.

The new **Shermann** V6 is housed in a 344mm high cabinet shell with an identical frontal area to the R2M however, that's where any similarities end.

V6 technology sees the use of a powerful neodymium magnet structure housing two independent voice coils.

Both sections within the V6 driver handle their own dedicated frequency bands with the upper mid and HF sections exiting through a common, centrally mounted horn assembly.

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

For use as foldback or fills in theatre touring systems, as FOH or fills in AV and product launch environments, installed as fills in theatres and churches, flown discretely at fashion shows or just used as a small vocal PA the V6 offers the owner or hirer a wide world of high quality sonic opportunities.

Return to the simple ways of successfully using a V6 with the forthcoming Sherman GS12 sub per side - a simple four cabinet rig offering substantial performance successfully operated by lower power amplification.

## The 6.5" LF section.

The V6 is equipped with a 51mm voice coil within a neodymium magnet structure housed in a cast aluminium chassis .

Four M5 mounting bolts secure the drive unit to the baffle board

## The upper Mid/HF section.

A 44mm voice coil drives a composite diaphragm for frequencies between 1.8KHz and 20KHz.

These frequencies exit the driver from a dedicated horn assembly projecting through the centre of the drive unit.

## The V6 cabinet.

Built from Eastern European birch plywood the V6 is capable of being used as a wedge monitor at two distinct angles.

A steep 50° angle allows close to mic' stand operation whilst a shallower 20° angle allows the V6 to be placed on, for example, the Sherman R3B sub for use as a keyboard monitor.

For flying purposes the V6 is equipped with 8mm flying points to accept our multi-purpose flying/stand mount bracket.

For speed of rigging a K&M 35mm stand mount allows the V6 to be placed on a stand or pole in seconds.

An insert handle is fitted at the rear of the cabinet allowing quick and simple handling of this lightweight cabinet.

Finally, the giggering version of the V6 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 V6 is a high technology loudspeaker that's a pleasure to use and a greater pleasure to perform with.

It's super compact, durable and lightweight.

With or without subs the V6 allows the engineer great freedom of set-up whilst it's 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.

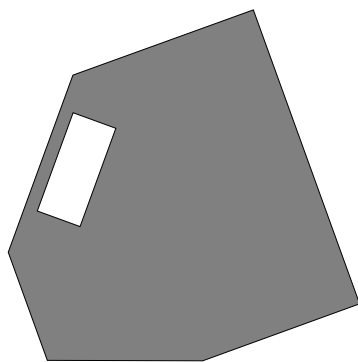
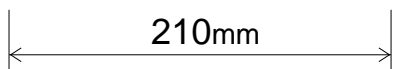
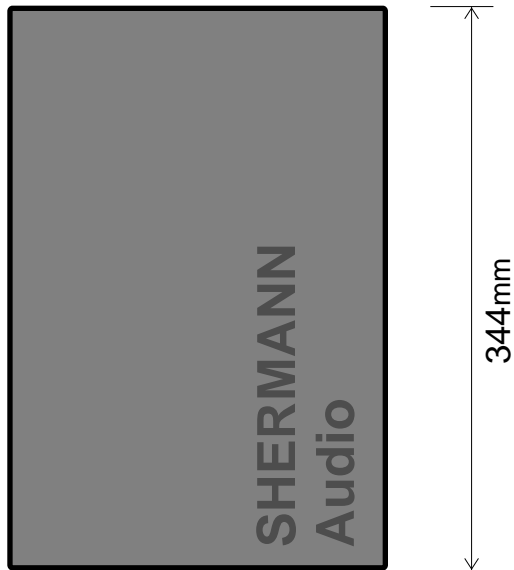
## Warning.

It should be remembered that the V6 is capable of moderately high pressure levels therefore care should be taken in their positioning with regard to your audience or artists.

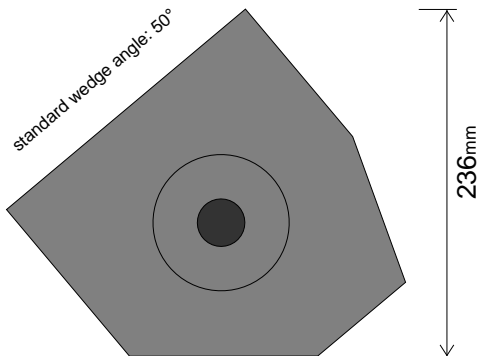
No responsibility will be accepted by the manufacturers, distributors or sellers for the incorrect or foolish use of **Shermann** loudspeaker systems.



# V6



drum/keyboard fill; angle: 20°



### System

|                       |                      |
|-----------------------|----------------------|
| Format                | 3 way passive        |
| Passive Networks      | PCN4                 |
| Nom' impedance        | 8 ohms               |
| Hi-pass filter (-3dB) | 70Hz / 4th/8th order |
| Hi-pass with sub      | 120Hz / 4th order LR |
| Power @ 8ohm          | 250w AES             |

### Performance

|                          |                               |
|--------------------------|-------------------------------|
| Sensitivity @ 1w/1m      | 92dB                          |
| O/P level at rated power | 117 dB @ 1m                   |
| Frequency range          | 80 Hz - 19.5 KHz ( $\pm$ 3dB) |
| Dispersion above 1500Hz  | 60°                           |

### Drive unit - LF section

|                     |                       |
|---------------------|-----------------------|
| Drive unit size     | 165 mm / 6.5"         |
| Voice coil diameter | 51 mm / 2"            |
| Chassis             | cast aluminium        |
| Magnet              | neodymium             |
| Mounting            | 5mm caphead bolts x 4 |

### Drive unit - Mid/HF section

|                 |                      |
|-----------------|----------------------|
| HF section exit | 25 mm / 1"           |
| Voice coil      | 44 mm / 1.73"        |
| Magnet          | neodymium            |
| Diaphragm       | composite            |
| Horn mounting   | part of LF structure |

### Dimensions

|                 |                               |
|-----------------|-------------------------------|
| Height          | 344 mm - 13.50"               |
| Depth           | 210 mm - 8.25"                |
| Width           | 210 mm - 8.25"                |
| External volume | 15 lts - 0.53 ft <sup>3</sup> |
| Weight          | 7 Kgs - 15.4lbs               |

### 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 3    |
| connection | Pins 1+ 1- |

### Flying & stand mount hardware

|                        |             |
|------------------------|-------------|
| Stand mount - fitted   | 35mm        |
| Flying points - fitted | 8mm inserts |

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

The front foam used on this cabinet is not fire retardant.

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