

AL6a

The SHERMANN Audio **AL6a** is a full-range horn loaded system capable of exceptionally high output levels.

With a minimum requirement of two per side this powerful cabinet also has very long throw capability when used in multiples

MAN 4" flying plates plus four safety points are fitted as standard along with ten handles and four 100mm swivel castors.



For use in pairs per side or multiples with any Series 3 or Series 4 bass units the AL6 is both lighter to fly and uses less transport space than the few competitive cabinets capable of achieving similar output levels.

The **AL6-A** is equipped with a low-mid horn featuring two very efficient 12" drivers each of which incorporates a large magnet assembly and a 4" edge wound voice coil.

SHERMANN Audio MH17P (x 2) cone driven compression mid horn unit handles all midrange frequencies between 750Hz and 2.5KHz.

The powerful HF drive unit mounted on SHERMANN Audio GHF-5 horn features a 2" throat, 3" ferro-fluid cooled voice coil and titanium diaphragm.

All SHERMANN Audio products are built to the highest standards and the AL6 is no exception.

Constructed externally from 15 & 18 mm birch plywood the loudspeaker baffle thickness is 25mm for ultimate rigidity and performance.

Connections

Speakon NL8 **Low mid** pin 2+ **hot** / pin 2- **cold**
 High mid pin 3+ **hot** / pin 3- **cold**
 High pin 4+ **hot** / pin 4- **cold**
EP or AP types: to customer requirements

Crossover frequencies

Internal: (low mid to high mid): **4th order L-R slopes 750Hz**
Internal: (high mid to high): **4th order L-R slopes 2.3KHz**
External:(with SHERMANN Audio LF systems) **4th order 110Hz**

For optimum performance and system protection we recommend the use of a digital loudspeaker management unit with the AL6a.
 Klark-Teknik, BSS and XTA manufacture suitable models which may be loaded with preset configurations to operate with any SHERMANN Audio system.

Technical Specifications

System

Format	3 way Active
Network	PCN-4X
Nom' imp' - Low	4 ohm
Nom' imp' - Mid	8 ohm
Nom' imp' - High	8 ohm
Max. Power - Low	1,200 w
Max. Power - Mid	500 w
Max. Power - High	150 w
Sensitivity - Low	108dB
Sensitivity - Mid	112dB
Sensitivity - High	110dB

Performance

Output level @ 10 metres	123 dB
Output level @ 1 metre	144 dB
Frequency response	70 Hz - 18.5 KHz
Dispersion	50° x 30°

Components

Drive unit (LF)	305 mm (12") x 2
Drive unit (MF)	165mm (6.5") x 2
Drive unit (HF)	50mm (2")
Horn units (MF)	MH17P x2
Horn unit (HF)	GHF-5

Dimensions

Height	1098 mm (43-25")
Depth	540 mm (21-375")
Width (front)	493 mm (19-35")
Width (rear)	310 mm (12-15")
External volume	230 lts (8-00 ft ³)
Weight	74 Kgs (164 lbs)

Mechanical

Connectors	Speakon NL8 x 2
Flying points	MAN 4" fittings
Castors	4 x 100mm
Handle	Bar type (x 10)

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 Audio product please fax, call or email us - contact details are shown below.

* Options must be requested at time of ordering.



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