

# Gx Series by SHERMANN Audio

## CA1<sup>V2</sup>

The **SHERMANN Audio CA1** combines a compact enclosure with high sonic quality making it ideal for vocal and music use in Theatres, TV Studios, Cabaret venues and Places of Worship.



The **CA1** is equipped with a powerful 12" bass/mid driver which incorporates a substantial magnet assembly and 3" voice coil.

Midrange response is handled by **Shermann's** GM17/50 cone mid unit whilst a GS25BC2 co-axially mounted compression driver handles the high frequencies.

An advanced ferro-fluid installed within the magnetic gap of all **Shermann** compression drivers improves long-term reliability by reducing heat build-up within the voice coil assembly.

The **SHERMANN Audio CA1** is built to the highest standards using high grade 15mm baltic birch plywood for the outer shell whilst the loudspeaker baffle thickness is 25mm for ultimate rigidity and performance.

The cabinet is covered in a highly durable black carpet and a strong steel mesh grill protects the drive units.

A Hughes PCN-4 based crossover network handles all in-cab signal routing, phase alignment and drive unit EQ thus eliminating the need for a dedicated processor.

### Connections

**Speakon NL4** pin 1+ **hot** / pin 1- **cold**

### Crossover frequencies

**Internal:** not applicable; passive drive

**External:** 4th order 110Hz (with SHERMANN Audio LF systems)

### Technical Specifications

#### System

Format	3 way Passive
Network	PCN-4
Nom' impedance	8 ohm
Hi-pass filter (-3dB point)	35Hz / 4th order
Rec' amp' power @ 8ohm	350 - 450 watts rms
Maximum input power	500watts

#### Performance

Sensitivity @ 1w/1m	99 dB
Maximum output	125 dB @ 1m
Frequency response	65 Hz - 18.5 KHz
Dispersion (>750hz)	70° x 50°

#### Components

Drive unit (LF)	305 mm (12")
Drive unit (MF)	165 mm (6.5")
Drive unit (HF)	25 mm / Co-ax

#### Dimensions

Height	596 mm (21.70")
Depth	371 mm (12.50")
Width	390 mm (14.90")
Rear Width	256 mm (10.60")
External volume	54.1 lts ( 1.9 ft <sup>3</sup> )
Weight	30.1 Kgs ( 68 lbs)

#### Mechanical

Connectors	"Speakon" NL4 x 2
Flying points	GS-TA3
Stand mount (fitted)	GSA1/35
Handle	Bar type
Finish	Black carpet

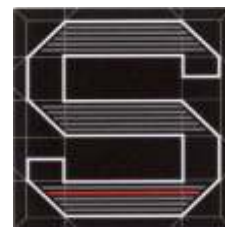
#### Please note

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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