

# B850 by SHERMANN Audio

The Shermann **B850** is a compact, medium weight, high power LF drive system.

An efficient 18" LF driver operates in a dual ported enclosure to provide smooth but extended response.

The cabinet may be used in vertical or horizontal format.

It's equipped with 4 x 100mm rear mounted swivel castors and six handles for touring purposes.

Whilst the B850 reproduces low frequencies with ease it also has a solid, defined response over its entire operating range, a feature not always present in 18" loaded cabinets.

This advantage allows more widespread use for the B850 in Clubs, Dance Venues, Theatres, Concert & Cabaret stages, larger Places of Worship and for use by rental companies.



The B850 is equipped as standard with a British built high power 18" bass driver whose response is optimised for effective reproduction of low frequencies.

A rigid cone of optimal weight is driven by a 4" edge wound voice coil stabilised by a sturdy dual suspension system.

A powerful magnet assembly is housed within a lightweight, innovative aluminium chassis.

All Shermann products are built to the highest standards and the B850 is no exception.

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

The enclosure features a comprehensive network of internal bracing to substantially reduce panel resonance.

## Connections

**Speakon NL4** pin 1+ **hot** / pin 1- **cold**  
**Speakon NL8** pin 1+ **hot** / pin 1- **cold**

## Crossover frequencies

**External:** high pass; -3dB @ 30Hz / 4th order

**External:** low pass; **110Hz** (within Shermann systems)

## Technical Specifications

### System

Format	Reflex loading
Nom' impedance	8 ohm
High pass filter	36Hz 4th order
Rec' amp' power @ 8ohm	1,000 watts rms
Recommended - x'over frequency	110 Hz

### Performance

Sensitivity @ 1w/1m	96 dB
Maximum output	127 dB @ 1m
Frequency response	35 Hz - 120 Khz

### Components

Drive unit	458 mm (18")
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### Dimensions

Height	680 mm / 26.75"
Depth over castors	729 mm / 28.70"
Depth	602 mm / 23.70"
Width	538 mm / 21.20"
External volume	252 lts / 8.8 ft <sup>3</sup>
Weight	46.3 Kgs / 103 lbs

### Mechanical

Connectors	Speakon NL4 x 2
(option) *	Speakon NL8 x 2
Handles - sides	Bar type ( x 4 )
Handles - top & bottom	Large Flip (x 2)
Castors	4 x 100mm swivel
Pole mount	GSA1 35H
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 product please fax, call or email us - contact details are shown below.

\* Options must be requested at time of ordering.



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