

# D-Series by SHERMANN Audio

## D650

*(discontinued model - replacement parts normally in stock except 15"; recone only)*

**Shermann's D-650** is a two way, compact, multi-role system supplied in passive drive format loaded with a powerful, efficient 15" LF driver and an efficient 2" compression driver.

The superior vocal and music projection qualities along with it's unobtrusive non-reflective black finish allow the **D-650** to be used as a FOH box or a compact stage wedge.



As a FOH pa unit the D-650 may be used for a wide variety of applications including theatres, conferences, churches, band PA system (with **Shermann** bass units if required) and high power club system.

As a stage wedge the D-650 is designed for use in applications where a powerful, full range foldback speaker or side-fill is required.

**Shermann D-650's** shown above on LS-22 stands and to the right in stage wedge mode.

3 point flying track sets and 35mm stand mount adaptors are standard fittings.



The **D-650** is equipped with a powerful 15" bass/mid driver which incorporates a substantial magnet assembly, aluminium chassis and a 4" voice coil.

Upper midrange & HF response is handled by **Shermann's** GS50E2 2" driver on our GHF-4 horn assembly.

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.

All **Shermann** products are built to the highest standards and the D-550 is no exception.

Constructed externally from 18mm birch plywood the loud-speaker baffle thickness is 25mm for ultimate rigidity and performance.

### Connections

**Speakon NL4** pin 1+ **hot** / pin 1- **cold** (2+ 2- to order)

### Crossover frequencies

**Internal:** not applicable; passive drive

**External:** 4th order 100 - 125Hz (with **Shermann** bass systems)

### Technical Specifications

#### System

Format	2 way Passive
Network	PCN3
Nom' impedance	8 ohm
Hi-pass filter (-3dB point)	30Hz / 4th order
Rec' amp' power @ 8ohm	350 - 600 watts rms
Maximum input power	650 watts

#### Performance

Sensitivity @ 1w/1m	100 dB
Maximum output	128 dB @ 1m
Frequency response	50 Hz - 17.5 KHz
Dispersion (>1.75KHz)	70° x 40°

#### Components

Drive unit (LF)	380 mm (15")
Drive unit (HF)	50mm comp' driver on GHF-4 horn

#### Dimensions

Height	653 mm (25.75")
Depth	381 mm (15.00")
Width	445 mm (17.50")
Apex height (as wedge)	485 mm (19.10")
External volume	108 lts (3.8 ft <sup>3</sup> )
Weight	39.1 Kgs (86 lbs)

#### Mechanical

Connectors	"Speakon" NL4 x 2
Flying points	GS-TA3
Stand mount (fitted)	GSA1/35
Stand mount (option) *	GSA1/32 or 38
Handles	Bar & flip types
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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