

The X12/500 ease of use - low distortion - lightweight.

For use in theatres, mobile discos, pubs, churches, village halls, for school plays, at college gigs or even outdoors the passive X12/500 brings the words *successful* and *impressive* back in to professional audio.

Go back to using four main boxes for audiences of 300 - 500 people with perhaps an additional small box per side for front fill.

Two X12/500 with two XB18/800 bass systems is rigged in a few minutes and the excellent results will be both successful and impressive.

The X12/500 is our multi-use workhorse model and it comes with the strongest of pedigrees.

The 12" bass/mid.

The X12/500 is equipped with a highly efficient 12" bass/mid driver.

It features a ferrite magnet assembly, 3" copper voice coil, medium weight cone and a cast aluminium chassis.

Using this 12" driver at its most efficient in the frequency bandwidth of 60 - 1200hz the X12/500 is ideal for use either as a solo cabinet or with single or dual 18" bass systems - dependant of course on programme material.

The 1.4" upper mid/hf.

The X12/500 features a low distortion compression driver operating above 1200Hz.

The compression driver is an extremely efficient, responsive device.

This driver is attached to an aluminium horn whose dispersion pattern is a nominal 80° x 50°.

The horn may also be rotated to offer a 50° x 80° distribution pattern

The X12/500 cabinet.

Built from Eastern European birch plywood the X12/500 is shaped as a true FOH box.

The sturdily built trapezoidal cabinet is easily handled and simply rigged in all instances.

For flying purposes the X12/500 may be equipped with two point track at additional cost.

Two large insert handles are fitted the lower of which contains the deep recessed dual NL4 input plate.

A 35mm K&M stand mount is fitted as are plywood skids.

The X12/500 is coated with a sturdy textured water based paint we've named TRC.

We also offer an extremely durable known as TPC proven for its ability to protect the cabinet much longer than conventional paint finishes.

The results.

The X12/500, a high technology loudspeaker that's easier to use than almost any other loudspeaker system.

Bring it in - Plug it in - Switch it on.

The required DSP settings are minimal in fact, the X12/500 may be used with a completely flat crossover provided the filter points are correctly set.

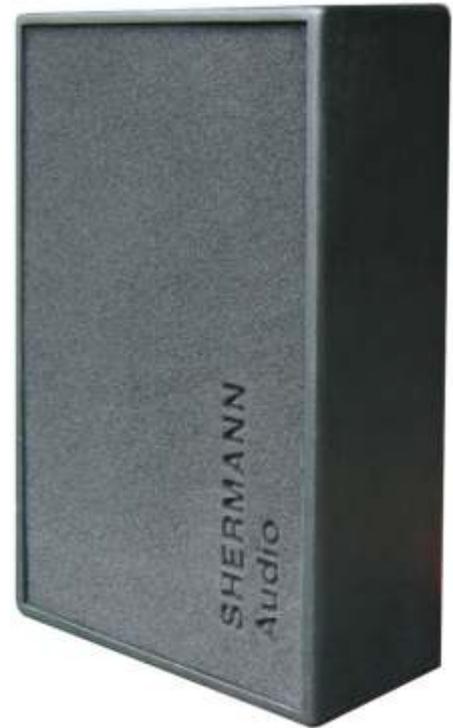
The technicals.

Please see page 2 for mechanical and technical details.

Warning.

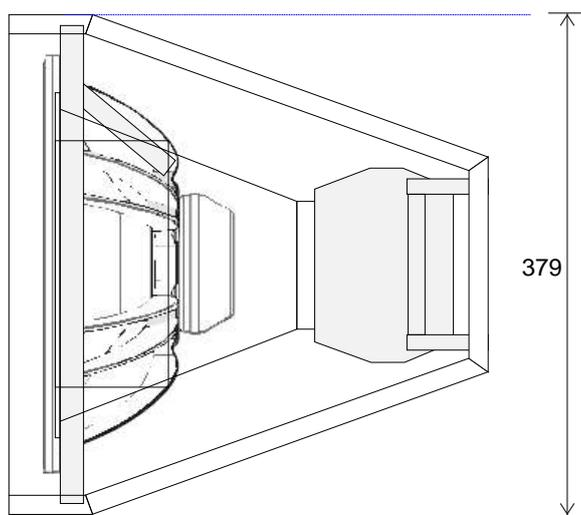
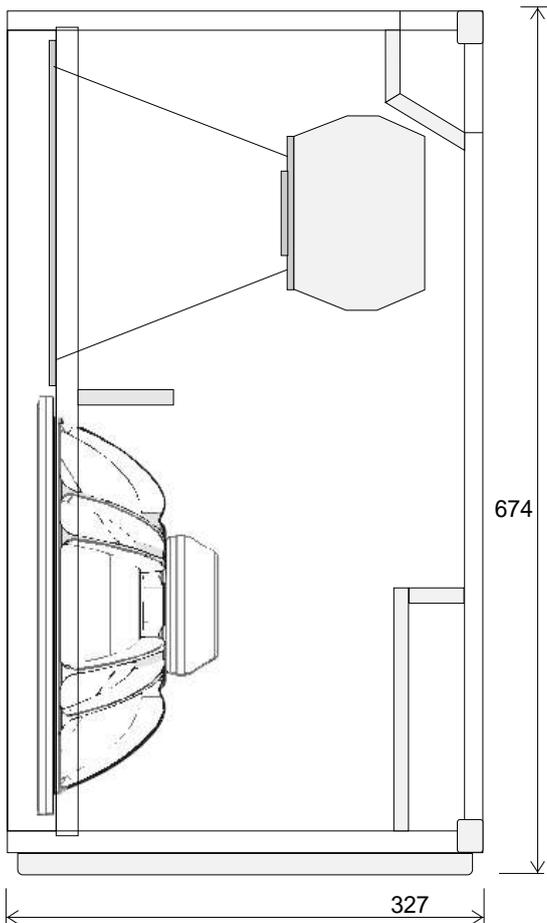
It should be remembered that the X12/500 is capable of high pressure levels therefore care should be taken in their positioning with regard to your audience.

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



F500





System

Format	2 way (passive)
Passive Networks	PCN3
Nom' impedance	8 ohms
Hi-pass filter (full range)	60Hz / 4th/8th order
Hi-pass filter (with sub)	110Hz / 4th order L/R
Cab power @ 8ohm	500w aes (1000w peak)

Performance

Sensitivity @ 1w/1m	98dB 1w / 1m
O/P level at rated power	126 dB @ 1m
Frequency range	70 Hz - 18 KHz (± 3dB)
Dispersion above 850 Hz	80° x 50° (H x V)
Optional dispersion	50° x 80° (H x V)

Drive unit - LF

Drive unit size	380 mm / 12"
Voice coil diameter	76 mm / 3"
Chassis	cast aluminium
Magnet	Ferrite
Mounting	6mm caphead bolts x 4

Drive unit - Mid/HF

Drive unit exit	35 mm / 1.4"
Voice coil	64 mm / 2.5"
Magnet	neodymium
Diaphragm	titanium
Horn mounting	6mm c/s socket bolts x 8

Dimensions

Height	674 mm - 26.53"
Depth	300 mm - 11.97"
Width	379 mm - 14.92"
External volume	79 lts - 2.74 ft ³
Weight	23 Kgs - 50.7lbs

Cabinet

Panels	15 mm birch ply
Baffle	18 mm birch ply
Cabinet external	TRC (TPC option)
Handles	Top and bottom insert
Grille	Coated steel mesh
Shermann engraved foam	Option at extra cost
Skids	15mm plywood

Connections

Connector	NL4 x 2 (pins linked)
Inputs	Pins 1+ 1-

Flying & stand mount hardware

Stand mounts - fitted	35mm K&M
Flying points - option	GS-TA2
Safety tie - option	GS track

Recommended crossover points *

High pass filter - full range	60Hz - 4th order B'worth
High pass filter - with LF	110Hz - 4th order L/R

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

The optional front foam available for this cabinet is not fire retardant.

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