

The G3 ease of use - low distortion - lightweight.

Used in theatres, pubs, churches, village halls, for school plays, at college gigs or even outdoors the passive G3 brings the words *successful* and *impressive* back in to professional audio.

Go back to using four main boxes for audiences of 300 - 600 people with perhaps an additional V8 per side for the front rows.

Two G3 with two S18 is rigged in a few minutes and the excellent results will be both successful and impressive.

The G3 is our multi-use workhorse model and it comes with the strongest of pedigrees.

The 12" bass/mid.

The G3 is equipped with a highly efficient 12" bass/mid driver.

It features a lightweight neodymium magnet assembly, 4" 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 - 900hz the G3 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" coaxial upper mid/hf.

The G3 features a low distortion co-axial compression driver whose dual voice coils each handle specific frequency bands.

Operating from 850Hz the larger voice coil is then crossed at 7Khz to a smaller coil which handles all of the very high frequencies above.

This outstanding compression driver is attached to an aluminium horn whose dispersion pattern is a nominal 60° x 40°.

The horn may be rotated to offer a 40° x 60° pattern so as a result, two or more G3 cabs may be placed side by side as each cab has sides built to 20° making wide rooms very easy to cover.

The G3 cabinet.

Built from Eastern European birch plywood the G3 is shaped in a very different fashion to most conventional cabinets.

With four panels on each side the resulting two cabinet baffle to baffle angle when two cabs are placed together is 40° making the use of two three or even four cabs wide a successful option especially within wider than deep rooms.

For flying purposes the G3 is equipped with two point track and may also be fitted with M10 inserts to enable use with its dedicated yoke bracket.

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.

Finally, the gigging version of the G3 is coated with a dense, heavy duty textured material we've named TPC.

The coating is extremely durable and it's been proved that TPC retains its ability to protect the cabinet much longer than conventional paint finishes.

The results.

The G3, 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 G3 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.

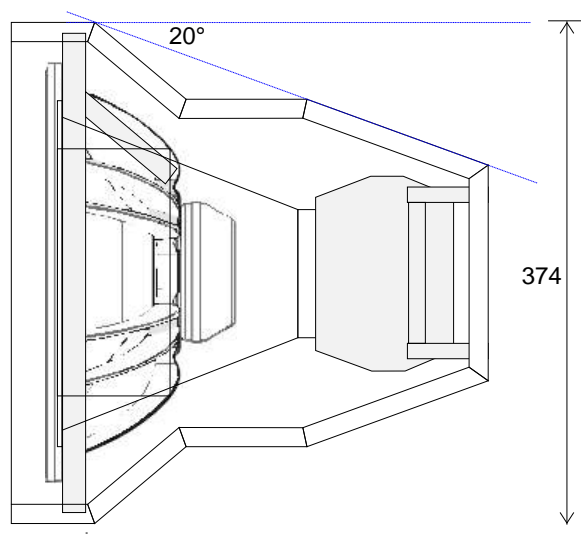
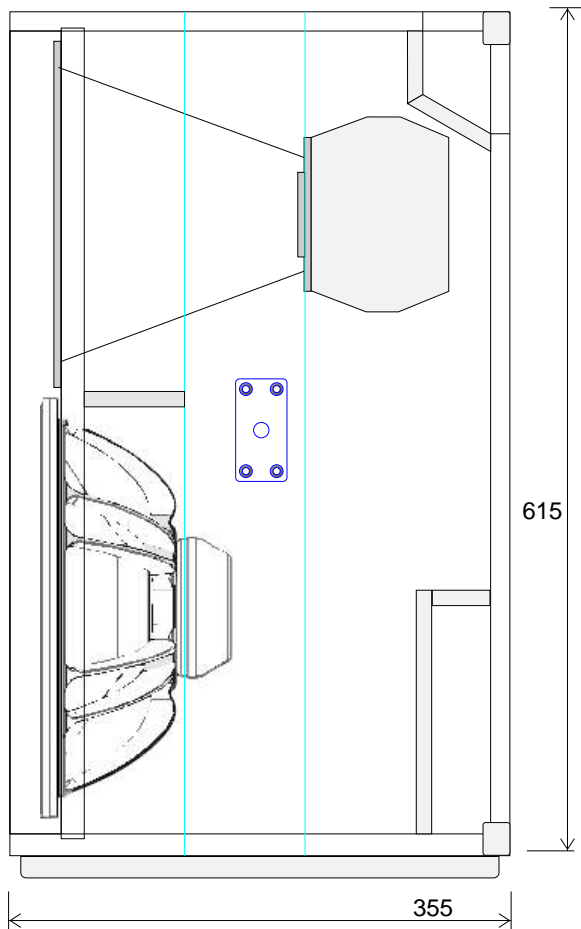
It should be remembered that the G3 is capable of high pressure levels therefore care should be taken in their positioning with regard to your audience.

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



G3





System

Format	3 way (passive)
Passive Networks	PCN4
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	800w aes (1600w peak)

Performance

Sensitivity @ 1w/1m	99dB 1w / 1m
O/P level at rated power	129 dB @ 1m
Frequency range	78 Hz - 18 KHz (± 3dB)
Dispersion above 850 Hz	60° x 40° (H x V)
Optional dispersion	40° x 60° (H x V)

Drive unit - LF

Drive unit size	380 mm / 12"
Voice coil diameter	101 mm / 4"
Chassis	cast aluminium
Magnet	neodymium
Mounting	6mm caphead bolts x 4

Drive unit - Mid/HF

Drive unit exit	35 mm / 1.4"
Voice coil (Mid)	90 mm / 3.5"
Voice coil (HF)	44 mm / 1.73"
Magnet	neodymium
Diaphragm (Mid)	composite
Diaphragm (HF)	composite
Horn mounting	6mm c/s socket bolts x 8

Dimensions

Height	629 mm - 24.75"
Depth	355 mm - 14.00"
Width	374 mm - 14.75"
External volume	84 lts - 2.95 ft ³
Weight	25.6 Kgs - 56.5lbs

Cabinet

Panels	15 mm birch ply
Baffle	18 mm birch ply
Cabinet external	Textured Protective Coating
Handles	Top and bottom insert
Grille	Coated steel mesh
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 - fitted	GS-TA2
Safety tie - fitted	GS track
Yoke bracket fittings - opt'	10mm nut plates

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. A bi-amped version of the G5 is available.

The front foam used on this cabinet is not fire retardant.

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