

The G2-10, designed for maximum flexibility and cost-effective employment in the widest variety of areas.

The all new **Shermann® G2-10**, designed by Ken Hughes, is a powerful super-compact two way model supplied in passive drive format - with a difference.

Four choices of horn dispersion from two rotatable horns along with two distinctly different styles of cabinet finish offer the end user or installer a wide range of options from a singularly efficient design.

G2-10 cabinet styles

The **G2-10** is available in two distinctly varied styles of cabinet.

The first option features our conventional engraved foam front whilst the second is 28mm narrower and has a steel mesh grille.

Both versions have the same excellent sonic attributes but the grille only version appears, from our initial enquiries, to be favoured by installers.

The horn units in the G2-10

A choice of two identically sized, rotatable horn units offers the end user or installer four dispersion patterns above 1.4KHz.

The available dispersion options of the rotatable horns are as follows;

Horn 1)

60° x 40° for medium width horizontal dispersion

40° x 60° for narrow horizontal and greater vertical dispersion

Horn 2)

90° x 40° for larger width horizontal dispersion

40° x 90° for narrow horizontal and large vertical dispersion

G2-10 passive crossover

The passive crossover fitted to the **G2-10** is equipped with specialised, high quality components.

The capacitors are 400v and 600v closely matched types whilst the inductors are wound in-house to a 0% tolerance.

Shermann PC boards are specially built for the purpose with wide tracks to offer minimal loss in all frequency bands.

Touring the Sherman G2-10

A 35mm stand mount is a standard fitting on either style of finish.

In addition, a combination stand mount / flying bracket is available which should cover most touring requirements when the optional side mounted M8 nut plates are fitted to the cab.

The touring **G2-10** may be supplied in either our sturdy SE-Coat textured finish or S-Coat, an extremely heavy-duty coating favoured by many of our customers.

Installing the Sherman G2-10

The narrower version of the **G2-10** must be considered the primary installation model and this too may be equipped with M8 nut-plates.

The **G2-10** bracket may be attached to our standard wall mount fitting for permanent installation requirements.

Any RAL colour may be specified to finish the **G2-10**.

Partner products

The **G2-10** is an ideal partner for the Sherman G18B bass system or one of Sherman's powered bass units more especially the GS18P.

The latter model is equipped with a 2 channel amplifier module with comprehensive DSP and as such supplies 1,050 watts to the bass driver in the GS18P and 600 watts to the G2-10 cabinet.

Signal input to this lightweight 2 box stack is simply a balanced XLR.

Any combination of the above would offer extremely impressive performance within a vast framework of functions for example; in the AV environment, conferences, places of worship, PA fills, worship band wedges, theatrical productions and music gigs.

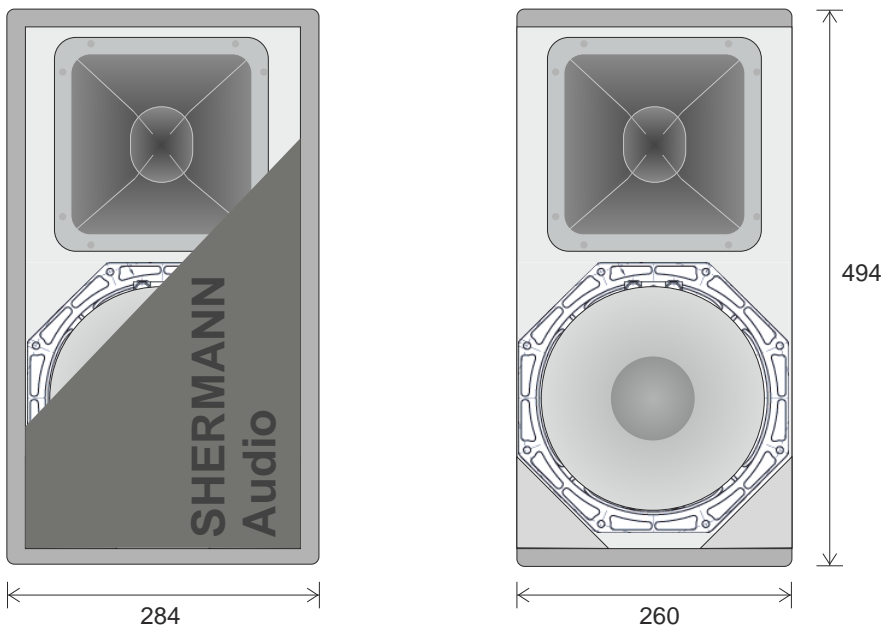


G2-10

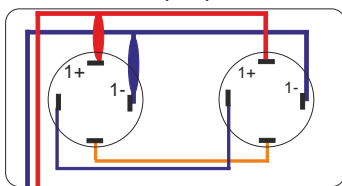


Shermann

G2 Series



NL4 input plate



To passive crossover from pins 1+ 1-
(optional link of pins 2+ 2- to order)

Speaker Cables

We recommend the use of **2.5mm²** or **4mm²** OFC cabling with all Shermann full range cabinets.

Wherever possible, cable lengths should not exceed 10 metres for 4 ohm loading (*2 x 8ohm G2-10 in parallel*); cabinet link cables should not exceed 5 metres.

Please call for details on Shermann cables - contact info' shown below.

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.

Textured Protective Coating

The coating currently applied to Shermann loudspeakers is an extremely hard wearing textured finish designed to protect the loudspeaker cabinet during normal use.

Damage may be caused through contact with sharp objects or if stacked against flight cases or any other item with metal fittings during transportation.

Whilst this style of coating is generally accepted as more durable than a paint finish it should be accepted that TPC is not armour plating and as such, may indeed be scratched or damaged.

The information within this data sheet is accurate and correct at the time of publication.

It is recommended that all technical information is verified with the company before inclusion in quotations or tender documents as The Company will not be held responsible for losses or difficulties arising from errors, changes or omissions.

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Technical Specifications

System

Format	2 way Passive
Networks	PCN3
Nom' impedance	8 ohms
Hi-pass filter (-3dB point)	50Hz / 4th order
Rec' amp power @ 8ohm	600 watts rms

Performance

Sensitivity @ 1w/1m	97 dB
O/P level at rated power	125 dB @ 1m
Frequency range	70 Hz - 19.5 KHz
Dispersion > 1.4 KHz **	see text on page 1

Drive unit - LF

Drive unit size	254 mm / 10"
Voice coil diameter	76 mm / 3"
Chassis	cast aluminium
Magnet	neodymium
Mounting	5mm caphead bolts x 4

Drive unit - HF

Drive unit exit	25 mm / 1"
Voice coil diameter	44 mm / 1.73"
Magnet	neodymium
Diaphragm	sandwich polyester

Dimensions (installation version)

Height	494 mm (19.50")
Depth	260 mm (10.23")
Width	300 mm (11.80")
External volume	38 lts (1.36 ft ³)
Weight	9.8 Kgs (21lbs)

Dimensions (touring version)

Height	494 mm (19.50")
Depth	284 mm (11.18")
Width	300 mm (11.80")
Apex height (as a wedge)	319 mm (12.50")
External volume	42 lts (1.49 ft ³)
Weight	10.2 Kgs (22.5lbs)

Optional fittings

- * M8 side nut plates
- * Rubber feet
- * 9mm skids
- * Additional NL4 socket (bottom of cab)
- * SW-Coat (standard) / heavy duty S-Coat finish
- * RAL colours for installation model

Active crossover frequencies

High pass 50Hz (full range mode 4th/8th order Linkwitz-Riley or Butterworth filtering)

High pass 110Hz, (with Shermann LF systems 4th order Linkwitz-Riley)

For optimum performance and protection we recommend the use of a digital loudspeaker management unit within systems incorporating the G2-10.

Klark-Teknik, BSS, Ashly, Marani and XTA manufacture suitable models which may be loaded with preset configurations to operate with any Shermann system.

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