

Screen 2P

Two-way passive system

cinema

features

- ▶ Two-way passive design
- ▶ Very shallow profile
- ▶ High SPL
- ▶ Low distortion

applications

- ▶ Behind screen placement
- ▶ For rooms up to 150 seats



The Screen 2P Cinema system has been developed to accommodate the various digital formats of modern films, providing the essentials of low distortion, wide bandwidth, with uniform coverage for the smaller room. This makes the Screen 2P ideally suited for small cinemas, preview theatres, screening rooms and post production suites.

The system comprises a single 15" (380mm) low frequency transducer, reflex loaded with a single horn loaded 1" (25mm) HF unit. The result is accurate reinforced sound for natural dialogue, dynamic music and special effects.

Matt black finish and slimline construction mean that the enclosure can be sited unobtrusively in limited space behind the screen.

A 1.2kHz internal passive crossover network ensures smooth transition between the LF and HF sections.

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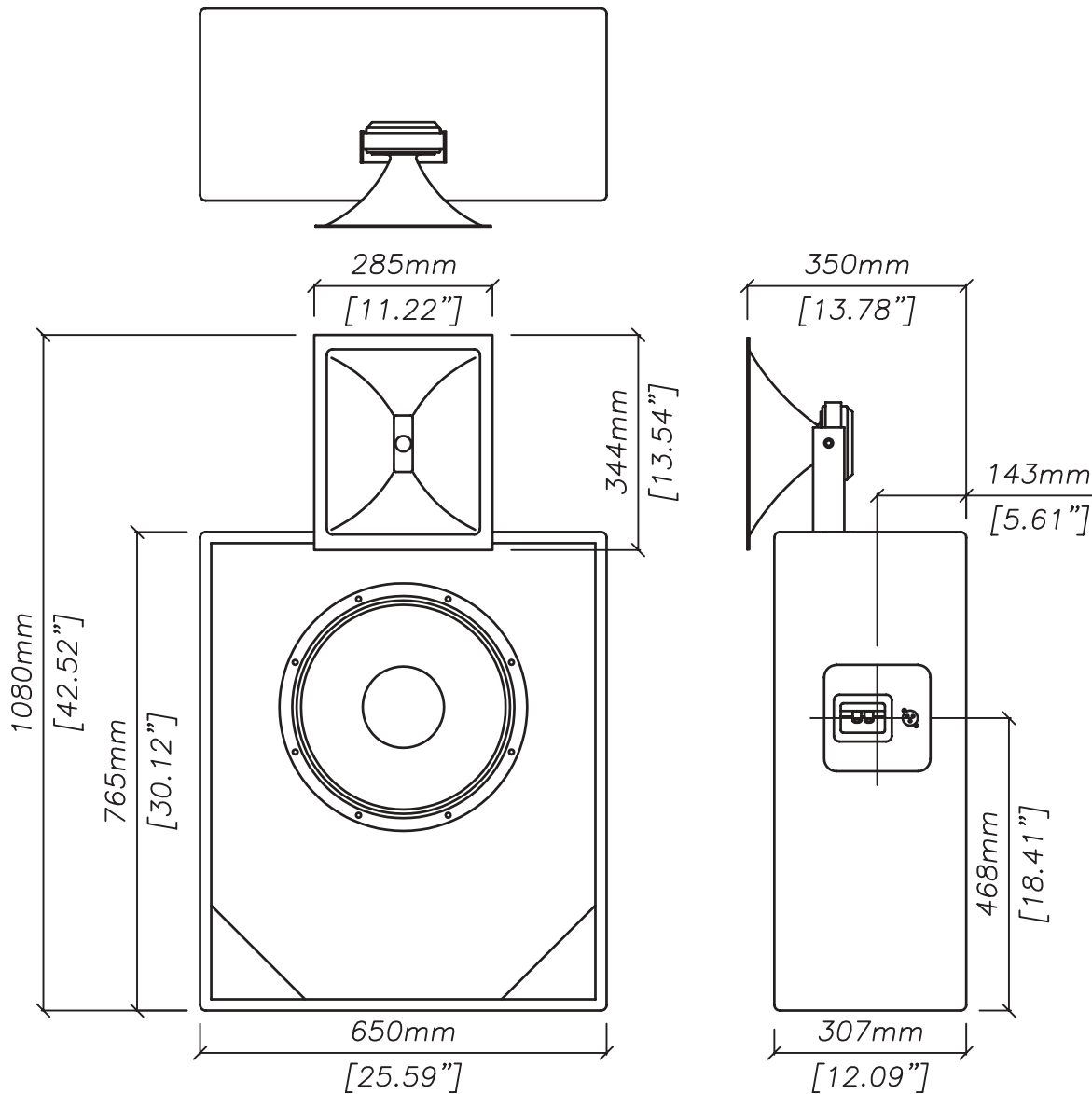


Screen 2P

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overall dimensions

cinema



SCREEN 2P

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technical specifications

TYPE	Two-way passive screen system
DRIVERS	1 x 15" (380mm) low frequency 1 x 1" (25mm) exit HF compression driver
FREQUENCY RESPONSE (1)	45Hz-20kHz \pm 3dB
RATED POWER (2)	400W AES, 1600W peak
SENSITIVITY (3)	98dB
CROSSOVER	1.2kHz passive
IMPEDANCE	8 ohms
DISPERSION (-6dB)	90° horizontal, 90° vertical
DIMENSIONS	LF: (W) 650mm x (H) 765mm x (D) 307mm (W) 26ins x (H) 30ins x (D) 12ins HF: (W) 285mm x (H) 344mm x (D) 185mm (W) 11.2ins x (H) 13.5ins x (D) 7.3ins
INSTALLED DIMENSIONS	(W) 650mm x (H) 1080mm x (D) 350mm (W) 26ins x (H) 42.5ins x (D) 13.8ins
WEIGHT	LF: 40kg (88.2lbs) HF: 4.5kg (9.9lbs)

architectural and engineering specifications

The loudspeaker system shall be of the two-way passive type supplied in two separate sections. The bass section shall consist of one 15" (380mm) direct radiating reflex loaded low frequency transducer in a shallow profile enclosure. The high section shall consist of one 1" (25mm) exit HF compression driver mounted on a constant directivity horn. Low and high frequency sections shall be integrated by an internal 1.2kHz passive crossover network.

Performance of the loudspeaker system shall meet or exceed the following criteria:

Frequency response measured 1 metre on axis shall be 45Hz-20kHz \pm 3dB.

High frequency dispersion at -6dB points shall be 90°H x 90°V.

Power handling shall be 400W AES, 1600W peak LF + HF.

Rated impedance shall be 8 ohms LF + HF.

Sensitivity 1 Watt/1 metre shall be 98dB LF + HF.

Dimensions LF: (W) 650mm x (H) 765mm x (D)

307mm (26ins x 30ins x 12ins)

HF: (W) 285mm x (H) 344mm x (D) 185mm (11.2ins x

13.5ins x 7.3ins).

Weight LF: 40kg (88.2lbs) HF: 4.5kg (9.9lbs).

The loudspeaker system shall be the Martin Audio Screen 2P.

Notes

- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) AES Standard ANSI S4.26-1984.
- (3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space conditions at 2 metres using band limited pink noise, then referred to 1 metre.

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

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