

Screen 2

Two-way bi-amp system

cinema

features

- ▶ Two-way bi-amp design
- ▶ THX™ approved
- ▶ Very shallow profile
- ▶ High SPL
- ▶ Low distortion

applications

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



The Screen 2 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 2 ideally suited for small cinemas, preview theatres, screening rooms and post production suites.

The system, designed to be run bi-amped, 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. Full performance of the Screen 2 is normally achieved when configured for bi-amped operation using the Martin Audio CMX3A cinema controller to feed two separate amplifier channels driving the bass enclosure and horn section. The Screen 2 is approved by Lucasfilm for use in category I (40ft or less in length and under 45000ft³ in volume) THX theatres.

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

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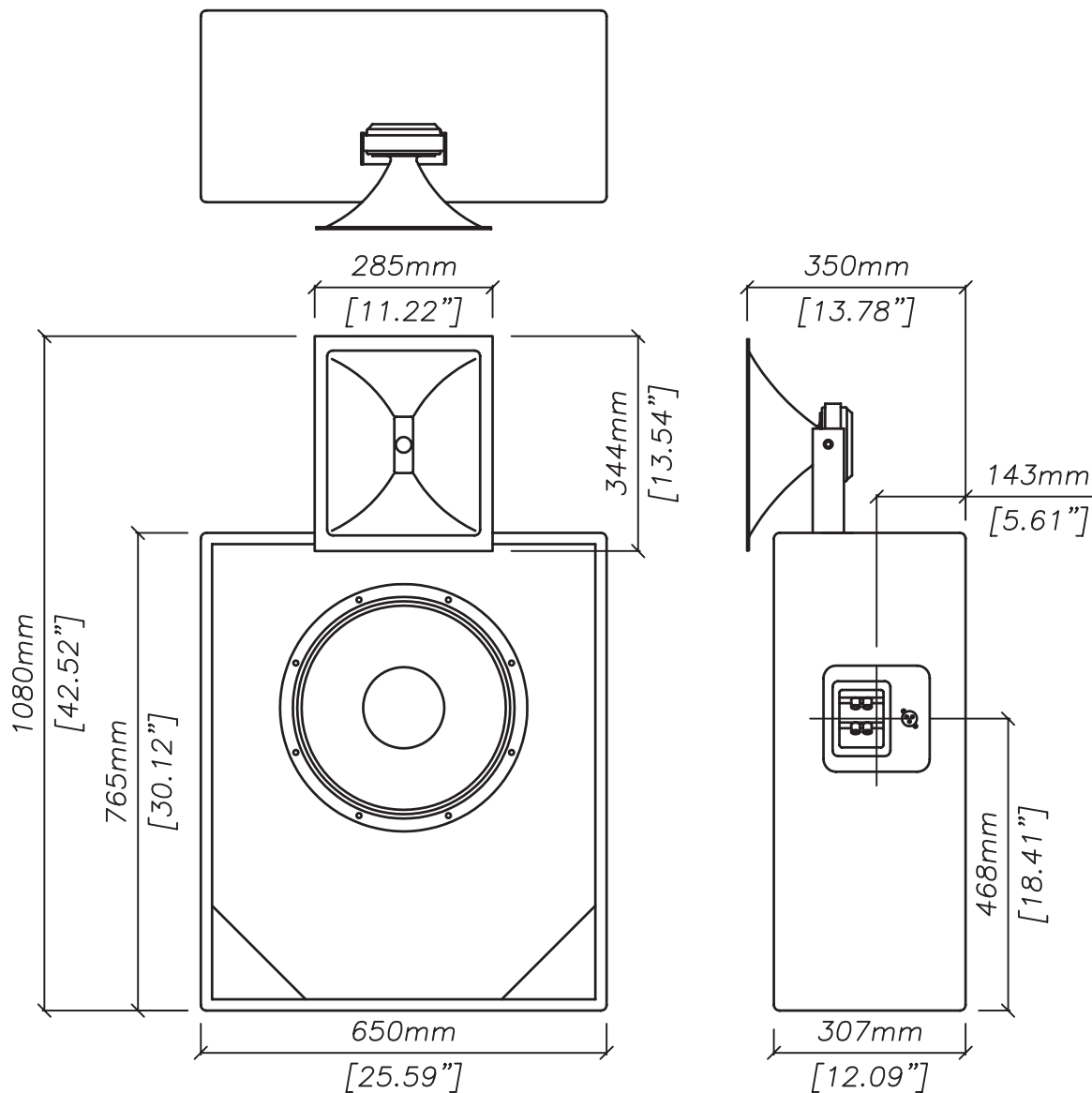


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overall dimensions

cinema



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technical specifications

TYPE	Two-way bi-amp 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)	LF: 550W AES, 2200W peak HF: 60W AES, 240W peak
SENSITIVITY (3)	LF: 98dB HF: 110dB
CROSSOVER	1.2kHz
IMPEDANCE	LF: 8 ohms HF: 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: 39kg (86lbs) HF: 4.5kg (9.9lbs)



approved by Lucasfilm for use in THX™ theatres.

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.

architectural and engineering specifications

The loudspeaker system shall be of the two-way bi-amp 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. The loudspeaker system shall be operated with a separate electronic controller providing a 1.2kHz crossover between the low and high frequency sections.

Performance of the loudspeaker system with its electronic controller 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 550W AES, 2200W peak LF, 60W AES, 240W peak HF.

Rated impedance shall be 8 ohms LF, 8 ohms HF.

Sensitivity 1 Watt/1 metre shall be 98dB LF, 110dB 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: 39kg (86lbs) HF: 4.5kg (9.9lbs).

The loudspeaker system shall be approved by Lucasfilm for use in Category I THX™ Theatres.

The loudspeaker system shall be the Martin Audio Screen 2.

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