



X20

3-Way Screen Channel Loudspeaker

Features & Benefits

- Point audio source in 3-way loudspeaker structure
- Excellent screen loudspeaker aiming capability
- Excellent fidelity and high frequency scalability
- Vigorous and accurate sound performance
- Seamless integration of C8 surround and ultra-low frequency BA18

Applications

Medium and small cinemas.

Recommended distance in application

For the best effect, the distance of from the back-wall of the cinema to the screen should be less than or equal to 16 meters. And the maximum distance should not exceed 22 meters.

X20 is an innovative design of the compact three-way screen channel loudspeaker system. It resolved the problem of rather significant phase errors in the sound localization of the traditional three-way loudspeaker system. The coaxial loudspeakers tailored for X20 complements the newly designed constant directivity horns so that sound coverage control is even more uniform. Thanks to the well-designed coaxial loudspeaker system, audio performances are rich in details and accurate in screen loudspeaker aiming.

The entire system is made up of two sections, of high frequency and low frequency. The frequency response ranges from 45Hz to 18kHz. The high-frequency section is structured with a 10-inch coaxial mid to high range loudspeaker that complements a custom designed soft roll-off horn with power that peaks at 1000W and a crossover point at 400Hz. This is the ideal choice for cinema applications. The low-frequency section uses a 15-inch cone loudspeaker with power that peaks at 2,000W, ensuring that low-frequency performance are full throughout the entire screen audio channel.

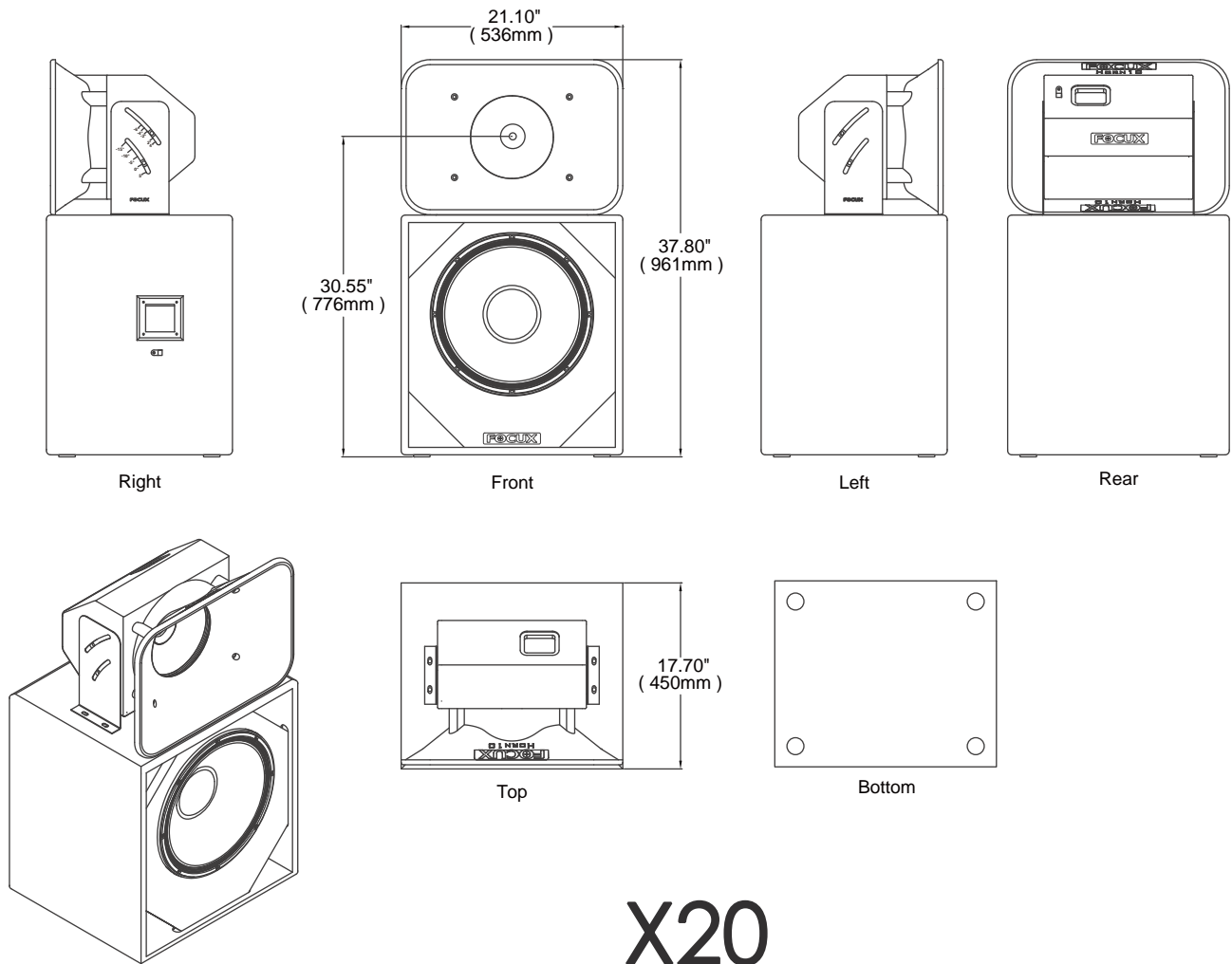
The loudspeaker enclosure is made of MDF board. The high frequency box is a sealed enclosure design with amplifiers so that high- and mid-frequency responses occur quickly and accurately. Low frequency enclosures are phase-reversal in design in which the front panel contains four large phase-inverted apertures, ensuring sufficient output efficiency for low frequencies.

The X20 adopts a driver with bi-amplified three-way loudspeakers. The mid- to high-frequency sections are designed with a built-in optimized frequency divider, while the low frequency section is connected directly to the driver by the amplifier channel.

To install loudspeakers, you can just use the inclination-adjustable bracket that comes with the loudspeaker box to connect and fix the two sections properly. Adjust the directivity of the loudspeaker via the bracket so that the entire audience receives the most uniform sound coverage.

With compact, dynamic, excellent sound performance, coupled with a flexible mounting structure, X20 is the first choice for small cinemas.

Frequency Response	45 Hz - 18 kHz ± 3 dB
System Maximum SPL	123 dB continuous 129 dB Peak
Power Rating(AES)	LF 500 W MHF 250 W
Peak power	LF 2000 W MHF 1000 W
Nominal Impedance	LF 8 Ω MHF 8 Ω
Sensitivity(1W/ 1 M)	LF 98 dB MHF 101 dB
Coverage Angle	100° horizontal x 60° vertical
Crossover	400 Hz
Transducers	One 10" Coaxial driver One high-power 15" cone driver
Dimension(H x W x D)	37.8" x 21.1" x 17.7" 961 x 536 x 450 (mm)
Net Weight	100 lbs (45.5 kg)



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