



The KX-5610 offers a significant improvement in audio quality through the addition of a dedicated midrange horn. This horn reproduces the crucial vocal band to deliver superior dialogue intelligibility. Using sophisticated loudspeaker modelling techniques, the acoustic loading and pattern control have been engineered to achieve industry leading low distortion and smooth directivity characteristics.

Building on a long and successful history within the cinema industry, Krix's in-house research, development and manufacturing team deliver a strong focus on quality and rigorous production standards. Every speaker is comprehensively tested in an advanced acoustic measurement chamber. Tight production tolerances are upheld to ensure best-in-class product quality and reliability.

FEATURES

- The dedicated midrange horn with 6 inch ferrite driver provides superior dialogue intelligence, combined with the high frequency horn this ensures the loudspeaker system has consistent directivity across the critical vocal range.
- Patented constant directivity horn technology provides precise coverage, extremely uniform frequency response. The result is that every seat in the cinema experiences improvements in clarity and definition.
- Krix proprietary 'X Bracing' system within the low frequency enclosure reduces panel resonance and standing waves.
- Krix engineered bass driver featuring, large ferrite magnet structure, dual aluminium shorting rings and symmetricval gap geometry for minimum distortion at all levels.



System options		Bi-amplified passive crossover	
Product code		KX-5610.B	
Frequency	Low		High
Sensitivity (2.83 V/m, Half space ³)	98 dB		101 dB
Input power rating ²	310 W		180 W
Impedance	8 Ω		8 Ω
Crossover frequency		400Hz (Low - Mid)	
Frequency range	40 – 19,000 Hz (-6 dB)		
Nominal dispersion	90° Horizontal, 40° Vertical		
Dimensions	1427 (H) x 570 (W) x 338 (D) mm	56 ¼ (H) x 22 ½ (W) x 13 ¼ (D) inches	
Net weight	43 kg	95 lbs	

DETAILED SPECIFICATIONS

	Low Frequency KX-2005	Horn system KX-3610.B
Sensitivity		
1 W/m, Free space	96 dB ¹	101 dB
1 W/m, Half space ³	99 dB ¹	101 dB
2.83 V/m, Free space	95 dB	101 dB
2.83 V/m, Half space ³	98 dB	101 dB
Impedance		
Nominal	8 Ω	8 Ω
Minimum	8.0 Ω	5.0 Ω
Maximum Input Voltage⁴		
	50 V	38 V
Maximum Input Power		
Continuous ²	310 W	180 W
Peak	1240 W	720 W
Recommended Processing		
	Subsonic 30 Hz, >12 dB/oct	Contact Krix for details
Low frequency transducers		
	1 x 380 mm (15 inch) paper cone driver, ferrite magnet, vented pole piece, 75 mm (3 inch) edge wound copper voice coil, dual aluminium shorting rings.	
Low frequency enclosure		
	Vented B4 alignment tuned to 45 Hz, Krix proprietary 'X bracing', optimally damped with polyester fibre, MDF black vinyl finish.	
Mid & High frequency transducers		
	1 x 152 mm (6 inch) paper cone driver, ferrite magnet, 38 mm (1 ½ inch) voice coil, copper shorting ring. 1 x 35mm (1.4 inch) compression driver, ferrite magnet, coated titanium diaphragm, polyimide surround.	
Horns		
	90° x 40° nominal constant directivity, glass fibre reinforced injection moulded.	
Horn enclosure		
	Rear enclosure volume selected to match horn acoustic loading. Optimally damped with polyester fibre.	
Horn bracket		
	Tilt 0° to 15° downwards: Swivel ±15° degrees.	
Terminals		
	Krix high current binding posts featuring an 8mm hole to accept large diameter cable. High visibility polarity indicators.	

NOTES

- All specifications are in accordance with the AES2-2012 standard and are in a form compatible with the Dolby® Atmos™ room design tool.
 - Due to continued development, specifications may change without notice.
 - Manufactured and sold under US Patents 7,044,265 B2 and 2011/0153282 A1.
1. Sensitivity measurements adjusted to the nominal 1W input power, calculated from the real part of the electrical input impedance over the operating frequency range.
 2. Maximum AES continuous power capacity (AES2-2012) band limited test signal duration of two hours.
 3. Half space sensitivity based on partial increase due to rear wall loading at low frequencies, estimated from the directivity index over operating frequency range.
 4. RMS voltage required to deliver the maximum continuous power to the loudspeaker, IEC shaped pink noise with duration of two hours.

KX-5610

3-WAY SCREEN CINEMA SYSTEM

DETAILED DIMENSIONS



