APPLICATION

- For small to large cinemas
- Passive 2-way surround channel loudspeaker
- THX® approved

PRODUCT INFORMATION

The CR72i two-way, passive, full range cinema surround loudspeaker system is engineered to reproduce today's full bandwidth digital surround tracks in smaller cinemas. It features an 8-in woofer and a 1-in dome tweeter mounted in a slanted baffle.

This system is approved by the THX® division of Lucasfilm, Ltd., for use in THX® certified theaters.

The CR72i is specifically engineered to cover a larger seating area with higher quality, higher output sound than traditional cinema surrounds.

The passive crossover/filter network included in the CR72i goes beyond merely dividing the signal and actually performs critical equalization functions. This means it will provide more detailed, natural reproduction of any sonic event occurring in the 360° aural arena. The crossover/filter network tailors HF response to match the SMPTE/ISO 2969 response curve.
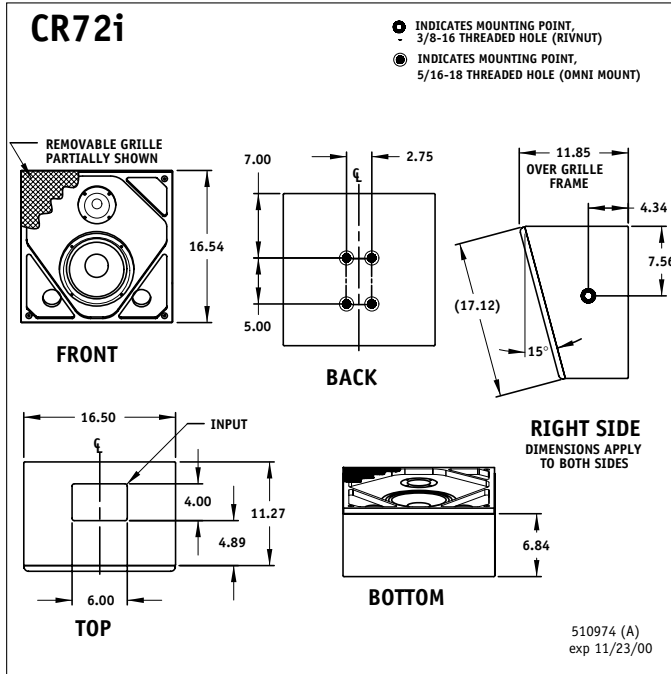
The front baffle is angled down 15° to accommodate overhead mounting. The optimally vented enclosure increases LF response while limiting driver excursion. This method produces less distortion and minimizes driver strain while extending LF response to the lowest octaves.

The input connector - a 2-terminal barrier strip that accommodates bare wire, tinned leads or spade lugs - is located on top of the enclosure. For safety, the cloth grille is attached with multiple threaded fasteners.

DESCRIPTIVE DATA

Part Number	997
LF Subsystem & Loading	1x8-in cone, vented
HF Subsystem & Loading	1x1-in soft dome tweeter
Configuration	2-way, full range
Powering Mode	Passive
Recommended High-Pass Frequency (24 dB/Octave)	50 Hz
Cabinet Type (shape)	Rectangular, slant baffle
Enclosure Materials	Medium Density Fiberboard
Finish	Textured black
Connectors	2 terminal barrier strip
Suspension Hardware	(2) 3/8"-16 threaded points (1 per side) plus (4) 1/4"-20 threaded inserts on back to accept Omnimount Series 100 or APC MM024
Grille	black cloth on plastic frame

Dimensions	inches	millimeters
Height	16.09	409
Width	16.50	419
Depth (Top)	12.12	308
Depth (Bottom)	6.26	159

Weights	pounds	kilograms
Net Weight (approx)	26	11.8
Shipping Weight (approx)	33	15.0

CINEMA SYSTEMS

CR72i

REMOVABLE GRILLE PARTIALLY SHOWN

● INDICATES MOUNTING POINT, 3/8-16 THREADED HOLE (RIVNUT)
◉ INDICATES MOUNTING POINT, 5/16-18 THREADED HOLE (OMNI MOUNT)

FRONT
16.54

BACK
7.00
2.75
5.00

RIGHT SIDE
DIMENSIONS APPLY TO BOTH SIDES
11.85 OVER GRILLE FRAME
4.34
7.56
(17.12)
15°

TOP
16.50
INPUT
4.00
11.27
4.89
6.00

BOTTOM
6.84

510974 (A)
exp 11/23/00

COMPONENTS & CONSTRUCTION

The CR72i two-way, passive, full range cinema surround loudspeaker system includes one 8-in cone transducer mounted in an optimally vented enclosure and one 1-in soft dome driver. The LF and HF sections are integrated with a complex, multicomponent passive crossover/filter network which tailors HF response to match the SMPTE/ISO 2969 response curve.

The enclosure is constructed of 3/4-in Medium Density Fiberboard (MDF). Extensive internal bracing is employed to minimize panel resonances resulting from the large acoustical energies generated within the enclosure while maximizing acoustical energy transfer into the audience area.

Input connectors, located on the top of the enclosure, are 2-terminal barrier strip, designed to accommodate bare wire, tinned leads or spade lugs. For safety, the black cloth grille is attached with multiple threaded fasteners.

COMPONENTS & CONSTRUCTION continued

All external components feature a textured, non-reflective, black finish.

NOMINAL DATA

Frequency Response

±3 dB	SMPTE/ISO 2969 "X" curve
	66 Hz - 19 kHz
-10 dB	45 Hz

Axial Sensitivity (dB SPL, 1 Watt @ 1m)

Full Range Passive	95

Impedance (Ohms)

Full Range Passive	8

Power Handling, AES Standard (Watts)

Full Range AES Standard	150

Calculated Maximum Output (dB SPL @ 1m)

Full Range Peak	122.8
Full Range Long Term	116.8

Nominal Coverage Angle/-6 dB points (degrees)

Conical	110

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