

Two-Way Cinema Surround Loudspeaker



THX

KPT-8001

The Klipsch THX®-Certified KPT-8001 two-way cinema surround loudspeaker system brings an exciting three-dimensional sound field to small- and medium-sized venues. It offers high efficiency, controlled coverage, and standard SMPTE/ISO 2696 X-curve de-emphasis.

The KPT-8001 is able to deliver a lesson in you-are-there realism by employing a single high-output 8-inch woofer and a high-frequency compression driver coupled to a 100-degree by 100-degree Tractrix® Horn. This proprietary horn-loaded technology reproduces accurately focused midrange and high frequencies and maintains a pleasing open and neutral character without tonal coloration. Because the horn delivers an optimal dispersion pattern, the direct to reflected energy ratio is high in the listening area, creating a large soundstage with well-defined imaging.

The system's shallow enclosure features a 15-degree down-firing angle baffle and pre-drilled holes that fit industry-standard mounting brackets for fast, easy and secure installation. The 100 watt continuous power rating and built-in high-frequency protection circuit provide absolute reliability.

Adept at establishing enveloping ambient sound fields and localizing specific surround effects, the KPT-8001 provides the ultimate in digital surround sound reproduction, putting movie audiences right in the middle of the action.

SPECIFICATIONS

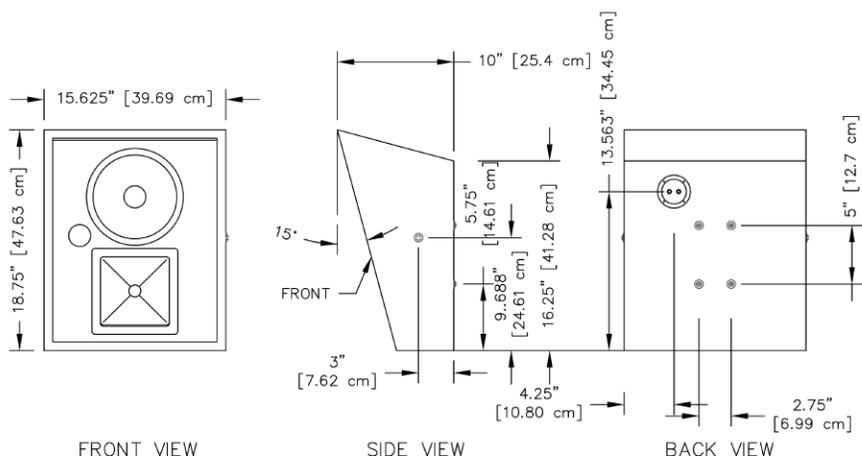
FREQUENCY RESPONSE ¹	72Hz-17kHz ± 3dB, 50Hz-20kHz -10dB
POWER HANDLING ²	100 watts (21V) 40Hz-10kHz
CALC. MAX. CONT. OUTPUT ³	114dB
SENSITIVITY ⁴	97dB
COVERAGE	HORIZONTAL 100° ±35° 600Hz-16kHz VERTICAL 100° +40°/-70° 900Hz-20kHz
DI	7dB ± 2dB 500Hz-20kHz
Q	5
NOMINAL IMPEDANCE	8 ohms (4.47 min @ 205Hz)
TRANSDUCERS	One K-8-EP 8" woofer One K-103-TI-KP 1" titanium diaphragm compression driver
INPUT CONNECTORS	Five way binding posts
HEIGHT	18.7" (47cm)
WIDTH	15.6" (40cm)
DEPTH	10" (25cm)
WEIGHT	27 lbs. (12kg)

¹ 3M, Half-space anechoic.

² AES Standard, continuous pink noise, 6dB peaks.

³ Calculated at 1M half-spaced at power handling power input.

⁴ SPL at 1M, half spaced anechoic with 2.83 volts input.



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