

KPT-8000M

AESTHETIC DESIGN 2-WAY SURROUND FOR SMALLER CINEMAS



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



PRODUCT OVERVIEW

The emergence of today's multichannel digital surround sound formats has created a need for extended versatility in cinema surround speakers. The Klipsch KPT-8000M Cinema Surround speaker was created to meet that need with a perfect solution for smaller size cinemas where cost effectiveness is a major objective. Designed for flexible side-wall or ceiling placements, the Klipsch-exclusive Tractrix® Horn technology provides critical low-distortion clarity with high-efficiency for maximum output per watt. The added ellipses or "mumps" to the horn enhance full-horn frequency coverage across its 90° x 90° wide dispersion area.

The solid, molded cabinet design provides an attractive, contemporary look that blends perfectly with today's high-style venues with pre-drilled holes to fit industry-standard mounting brackets for fast, easy and secure installation. Mounted flush on a vertical surface (wall) produces an 8° downward firing angle while the included insert adds an additional 7° of angle for a total of 15°. Klipsch SB-6 and SB-7 mounting brackets are recommended for side-wall mounting while an approved third-party bracket can easily be utilized for ceiling mounting.

Whether used in a standard surround format, or called upon to create the jaw-dropping effects of today's advanced digital surround formats, the Klipsch KPT-8000M provides the ultimate in surround sound reproduction, putting movie audiences right in the middle of the action.

FEATURES

- 8-inch woofer with 1.5" voice coil
- 1-inch titanium high-frequency compression driver
- Patented elliptical insert 90° x 90° Tractrix® Horn
- Built-in 8° downward angle with 15° angle option
- 1/4-20 UNC 2A threaded inserts accommodate optional Klipsch or industry standard brackets

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	75 Hz - 20 kHz (-10 dB @ 48 Hz)
POWER HANDLING²	AES: 100 watts (21V) IEC: 125 watts (23.5V)
MAXIMUM SPL³	116 dB Continuous 122 dB Peak
SENSITIVITY⁴	97.5 dB @ 2.83V / 1M 95 dB @ 1W / 1M
COVERAGE	Horizontal: 90° +/- 20° 2 kHz - 20 kHz Vertical: 90° +20°/-40° 2 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	7.5 dB +/- 1 dB 2 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	5.6 2 kHz - 20 kHz
NOMINAL IMPEDANCE	8 ohms, (minimum 4.4 ohms @ 217 Hz)
CROSSOVER FREQUENCY	1.9 kHz 12 dB/Octave LF 18 dB/Octave HF
COMPONENTS	One K-8-ST 8" woofer One K-103-TI-KP 1" titanium compression driver on a K-802 horn
INPUT CONNECTION	Four point barrier strip
BRACKET SCREW PATTERN	4 screw: 2.75" (6.9cm) x 5" (12.7cm)
INCLUDED SCREWS	(4) 1.125" (2.86cm) 1/4 Bottom: 13" (33cm)
ENCLOSURE MATERIAL	ABS + 10% glass
GRILLE	Power-coated steel
HEIGHT	18.7" (47.5cm)
WIDTH	Top: 14.7" (37.3cm) Bottom: 13" (33cm)
DEPTH	Top: 7.2" (18.3cm) Bottom: 4.7" (11.9cm)
WEIGHT	15.77 lbs (7.15kg)
TILT	Built-in 8° downward angle with 15° angle option
SAFETY CABLE INSERT	3/8" 1/4-20 threaded
ACCESSORIES	SB-6 mounting bracket SB-7 mounting bracket SB-9 mounting bracket

1 3M, Half-space anechoic

2 AES Standard, continuous pink noise, 6dB peaks, 40Hz-10KHz
IEC: 60268-1 noise signal for 2 hours

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

4 SPL at 1M, half spaced anechoic 40Hz-10KHz