

# KPT-396

HIGH OUTPUT 15" 2-WAY CINEMA SURROUND



# Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



## PRODUCT OVERVIEW

The KPT-396 cinema surround offers high power handling and sensitivity for extremely high output that's required for the largest format cinemas and multi-channel surround formats. The KPT-396 is a full-range, 2-way surround utilizing the K-48-ST 15" low frequency woofer, and a K-691 3" diaphragm compression driver. The large-format compression driver is mated to a 90° x 60° K-510 horn.

The speaker enclosure is constructed using 3/4" 7-ply birch plywood, and a 1" medium density fiberboard front motorboard. This contributes to industry leading reliability and an enclosure free from resonance and cabinet-induced coloration. Mounting options include pre-drilled holes to fit an industry standard wall-mounting bracket.

The KPT-396 provides the ultimate in digital sound reproduction, putting movie audiences right in the middle of the action. By setting a new standard in dynamic range and quality of reproduction, it's the perfect choice for larger cinemas.

The KPT-396 features a cloth covered grille to provide a clean and elegant appearance.

## FEATURES

- Very high output capability with exceptional low-distortion clarity
- 90° x 60° coverage
- 127.5 dB Continuous Output
- Large 3" titanium diaphragm high-frequency compression driver
- 15" cast-frame heavy-duty woofer
- Internal high current full-range crossover
- 800 Watt Power Handling
- 5/16"-18 threaded inserts to accommodate industry standard mounting brackets

## DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's cinema series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

## SPECIFICATIONS

<b>FREQUENCY RESPONSE<sup>1</sup></b> (+/- 3 dB)	65 Hz - 18 kHz (-10 dB @ 48 Hz)
<b>POWER HANDLING<sup>2</sup></b>	AES: 600 watts (56V) IEC: 800 watts (64V)
<b>MAXIMUM SPL<sup>3</sup></b>	127.5 dB Continuous 133.5 dB Peak
<b>SENSITIVITY<sup>4</sup></b>	100.5 dB @ 2.83V / 1M 98.5 dB @ 1W / 1M
<b>COVERAGE</b>	Horizontal: 90° +/- 30° 400 Hz - 13 kHz Vertical: 60° +/- 20° 1.6 kHz - 20 kHz
<b>DIRECTIVITY INDEX (DI)</b>	8 dB +/- 2 dB 2.3 kHz - 20 kHz
<b>DIRECTIVITY FACTOR (Q)</b>	6.3
<b>NOMINAL IMPEDANCE</b>	8 ohms, minimum 5.1 ohms @ 112 Hz
<b>CROSSOVER FREQUENCY</b>	1 kHz
<b>COMPONENTS</b>	One K-48-ST 15" woofer One K-691 3" titanium compression driver on a K-510 horn
<b>INPUT CONNECTION</b>	Two point barrier strip
<b>MOUNTING OPTION</b>	Four 5/16"-18 threaded insert for industry standard bracket mount on rear
<b>BRACKET MOUNT</b>	One attachment point for C-bracket Top and Bottom: 3/8"-16
<b>ENCLOSURE MATERIAL</b>	3/4" 7-ply birch plywood cabinet 1" MDF motorboard
<b>HEIGHT</b>	29.5" (74.9cm)
<b>WIDTH</b>	19.8" (50.29cm) front 6.8" (17.27cm) rear
<b>DEPTH</b>	16" (40.64cm)
<b>WEIGHT</b>	62 lbs (28.2kg)
<b>GRILLE</b>	Black Cloth

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