

# Dual 6.5" Two-Way THX® Ultra2 Certified LCR Loudspeaker



# KL-650-THX



**AVAILABLE AT  
DIGITAL CINEMA**

The KL-650-THX is a THX® Ultra2 certified loudspeaker designed primarily for front left-, center-, and right-channel reproduction in large, ultimate-performance home theaters. It can also be used for surround channels, however, and is equally suitable for combination home-theater/music systems demanding superb sound and high output capability. Its enclosure is front-ported to facilitate installation in custom cabinetry, and has back-panel threaded inserts compatible with OmniMount® 60.0 Series wall/ceiling brackets.

The KL-650-THX design emerges directly from Klipsch's experience as a leading supplier of cinema sound systems. A large, rectangular 90° x 60° Tractrix® Horn raises the efficiency of the speaker's 1-inch titanium-dome compression driver tweeter and optimizes its radiation pattern. The horn enables the speaker to meet THX Ultra2 directivity specifications without the lobing and comb-filtering effects that afflict conventional multiple-tweeter solutions. And its dual 6.5-inch woofers have large, magnetically shielded motor structures that drive rigid, low-mass Cerametallic™ anodized-aluminum cones for high output and low distortion.

Construction is to the highest standard, with a professional grade rabbet and dado locked panel cabinet and premium components throughout to ensure sonic purity, consistency, and reliability.

## **S P E C I F I C A T I O N S**

FREQUENCY RESPONSE	48Hz-20kHz ± 3dB
SENSITIVITY	97dB @ 2.83 volts / 1 meter
NOMINAL IMPEDANCE	8 ohms compatible
HF CROSSOVER	1400Hz
POWER HANDLING	150 watts maximum continuous (600 watts peak)
ENCLOSURE TYPE	Bass reflex via front-mounted port
ENCLOSURE MATERIAL	Medium density fiberboard construction (MDF)
TWEETER	1" (2.5cm) magnetically shielded titanium dome compression driver with 9.6oz ceramic magnet structure
HIGH FREQUENCY HORN	10" x 6" rectangular 90° x 60° Tractrix® Horn
WOOFER	Two 6.5" (16.5cm) magnetically shielded, Cerametallic™ cone, cast aluminum frame drivers
INPUT CONNECTIONS	Two sets of binding post speaker terminals (connected via brass strap jumpers)
DIMENSIONS	15" (38.1cm) H x 17" (43.2cm) W x 12.5" (31.8cm) D (w/grille)
WEIGHT	39 lbs. (17.7kg)
FINISH	Galaxy Black cabinet with Black anodized aluminum fascia
MOUNTING	4-bolt pattern 1/4"-20 thread



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