

**Klipsch** LUCASFILM  
**THX**

HOME THEATER SYSTEM  
AUDIO AND HOME THEATER PRODUCTS



THE THX<sup>®</sup> AUDIO PROGRAM, DEVELOPED BY GEORGE LUCAS' LUCASFILM LTD. IN THE EARLY 1980S, IS DESIGNED TO ACHIEVE A SET OF ACOUSTIC GOALS WHICH DEFINE THE PERFORMANCE OF A MOVIE THEATER SOUND SYSTEM. THX THEATERS GIVE MOVIEGOERS THE CHANCE TO HEAR A MOTION PICTURE SOUNDTRACK WITH ALL THE IMPACT, EMOTION AND EXCITEMENT HEARD BY THE DIRECTOR AND SOUND DESIGNER AS THE SOUNDTRACK WAS MIXED.

THE GOAL OF HOME THEATER IS TO RECREATE, FOR THE HOME VIEWER, THE MOTION PICTURE EXPERIENCE THE WAY IT WAS PRESENTED IN THE MOVIE THEATER. THE KLIPSCH DESIGN PHILOSOPHY AND THX CRITERIA COMBINE FOR THE NEXT LOGICAL STEP IN REPRODUCING THE CINEMA EXPERIENCE FOR HOME THEATER.

SPEAKERS LICENSED FOR HOME THX MUST MEET TIGHTLY SPECIFIED REQUIREMENTS. SPECIFICATIONS FOR SPEAKER DISPERSION, FREQUENCY RANGE AND RESPONSE, EFFICIENCY, IMPEDANCE, DISTORTION AND POWER HANDLING CRITERIA MUST BE MET. KLIPSCH SPEAKERS ARE THE MOST AFFORDABLE THX LICENSED HOME AUDIO LOUDSPEAKERS TO USE THE SAME HORN TECHNOLOGY FOUND IN THX THEATERS.



## WHAT IS KLIPSCH THX?

### KT-LCR FRONT LEFT, RIGHT AND CENTER CHANNELS

The design philosophy behind Klipsch horn technology has always been high efficiency, resulting in low distortion with broad dynamics, and controlled directivity, essential elements in accurately reproducing a state-of-the-art motion picture soundtrack. Controlled directivity focuses the soundtrack information directly at the listening area to insure proper placement of the soundtrack elements, which is tantamount to the THX experience. The KT-LCR center channel speaker, which reproduces dialogue and the majority of on-screen information, also serves as a bridge between the matching KT-LCR left and right front channel speakers, assuring that the soundtrack information tracks smoothly across the listening area. The KT-LCR front left, right and center channels are video shielded, and will not discolor a television picture.

### KT-DS SURROUND CHANNEL

THX standards require two dipole surround speakers. The KT-DS produces a diffuse dispersion pattern as a result of dipolar radiation characteristics. Dipole radiation projects sound toward the front and rear of the room, resulting in a null at the listening position. The result is improved envelopment with no localization to the sound source, which truly puts the listener in the middle of a believable motion picture experience.

### KT-SW POWERED SUBWOOFER

The powered subwoofer reproduces the very low bass frequencies that put the excitement and emotion into a motion picture soundtrack. The KT-SW cleanly and accurately reproduces the transient bass passages found in the most demanding movie soundtrack, bringing a new level of realism to the home theater experience. The KT-SW has been specifically designed to integrate with the performance of the KT-LCR front channel speakers.

### KTLCR

BANDWIDTH: 65-20 kHz  $\pm$  3 dB

SENSITIVITY: 95 dB SPL @ 1 watt/1 meter

NOMINAL IMPEDANCE: 8 ohms nominal/ 4 ohms minimum

POWER HANDLING: 100 watts (425 watts peak)

ENCLOSURE TYPE: 2-way infinite baffle

DRIVE COMPONENTS: 1 - 1" (2.54 cm) K-90-KV horn tweeter  
2 - 6 1/2" (16.5cm) K-1006-KV woofers

CROSSOVER FREQUENCY: 2400 Hz

WEIGHT: 31 lbs. (14.1 kg)

DIMENSIONS: Height: 23 1/4" (59 cm)  
Width: 11" (28 cm)  
Depth: 12 1/4" (31 cm)

FEATURES: Video shielded

### KTDS

BANDWIDTH: 100-20 kHz

SENSITIVITY: 91 dB SPL @ 1 watt/1 meter

NOMINAL IMPEDANCE: 8 ohms nominal/ 4 ohms minimum

POWER HANDLING: 100 watts (240 watts peak)

ENCLOSURE TYPE: 2-way infinite baffle

DRIVE COMPONENTS: 2 - 1" (2.54 cm) K-89-K horn tweeter  
2 - 6 1/2" (16.5cm) K-1007-K woofers

CROSSOVER FREQUENCY: 2800 Hz

WEIGHT: 17 lbs. (7.7 kg)

DIMENSIONS: Height: 13" (33 cm)  
Width: 9 1/4" (23.5 cm)  
Depth: 9 1/4" (23.5 cm)

FEATURES: Pre-drilled for 75 Series Omnimount® bracket

### KTSW

TYPE: 15" bass-reflex enclosure with 15" passive radiator

AMPLIFIER: 200 watts continuous into 4 ohms

DYNAMIC HEADROOM: 1dB (252 watts into 4 ohms)

FREQUENCY RESPONSE: 35 - 250 Hz  $\pm$  3 dB

HIGH PASS: (to main speakers) Line level outputs with fixed high pass at 80 Hz, 6 dB/octave slope.

Speaker level outputs with fixed high pass at 120 Hz, 6 dB/octave slope.

PHASE: Switchable from 0 - 180 degrees

INPUTS/OUTPUTS: Line level RCA phono jacks.  
High level speaker terminals.

DRIVE COMPONENTS: 1-15" (38.1 cm) K-35-KV driver  
1-15" (38.1 cm) KD - 18 - K passive radiator

DIMENSIONS: Height: 26" (66 cm)  
Width 18.5" (47 cm)  
Depth 19.56" (49.7 cm) (with feet and grill)

WEIGHT: 82 lbs. (37.1 kg)

VOLTAGE: 110/120 VAC/60 Hz

FEATURES: Video shielded



Corporate Offices and Customer Service: 8900 Keystone Crossing, Suite 1220 • Indianapolis, Indiana U.S.A. 46240  
1-800-KLIPSCH • FAX (317) 581-3199

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