

Klipsch®

KEEPERS OF THE SOUND™

COMMERCIAL CINEMA

FALL 2012



THE BEST PERFORMERS

Klipsch Cinema and Stage Systems deliver an audio experience so lifelike, audiences have to hear them to believe them. Long a favorite of theater operators worldwide, we continue to innovate: our newest proprietary technology - the skew horn featured in our KPT-12-VB and KPT-8-VB cinema surround-takes cinema sound reproduction to an entirely new level. Both the skew horn itself and the geometric shape of the horn are patented technologies resulting in expanded bandwidth of the coverage angle for more lifelike surround performance.

ARE BEHIND THE SCREEN.

American-made Klipsch cinema speakers offer years of reliable and trouble-free performance and extraordinary wide, consistent coverage. Audiences have never heard dialogue so precise or digital soundtracks so stunningly detailed and immersive. From cavernous auditoriums to cozy cinemas, we ensure that your patrons enjoy their movie experience to the fullest. Discover what it means to be Keepers of the Sound.

KPT-MCM-4-T GRAND

KPT-745

KPT-445



BEHIND-THE-SCREEN SYSTEMS

4-WAY HORN LOADED SYSTEM FOR THE GRANDEST AUDITORIUMS

The first and only fully horn-loaded, THX®-Approved four-way cinema system, the KPT-MCM-4-T Grand affords the ultimate in audio performance for larger exhibition spaces. The low-frequency punch is provided by a KPT-MWM dual 15-inch high efficiency, horn-loaded woofer enclosure, aided by a separate single 8-inch Tractrix® Horn-loaded mid-bass device, the KPT-305 MB. High frequencies are effortlessly reproduced by the KPT-402-MF Tractrix Horn and Klipsch K-1133 two-inch exit titanium compression driver. The MCM Grand is ultra-efficient and, in correct multi-channel configuration, can yield absolutely even sound coverage to every seat in the house. The MCM-4 THX version is a quad-amp system designated the KPT-MCM-4-T. It is also available in non THX versions as a tri-amp configuration designated the KPT-MCM-4-N, and a bi-amp configuration utilizing the highly sophisticated N2 passive processors designated the KPT-MCM-4-N2.

4-WAY SPACE SAVING SYSTEM FOR GRAND AUDITORIUMS

Klipsch designed the new, four-way KPT-745 to deliver similar movie chills and thrills but from a much shallower cabinet. Less than 24 inches in depth, the KPT-745 system is perfect for larger theater venues with limited space behind the screen. The low-frequency punch is provided by the high efficiency KPT-415-LF quad 15-inch bass unit, aided by a separate, single 8-inch Tractrix Horn-loaded mid-bass device, the KPT-305-MB. The KPT-402-MF Tractrix Horn and K-1133 two-inch exit titanium compression driver effortlessly reproduce the system's mid frequencies. For the added kick that's required by grandiose locations, the KPT-Grand-HF-T extended high-frequency horn module easily handles the system's smooth treble reproduction. The KPT-745 is a quad-amp system. This powerful system is also available with a mid/high passive crossover for a tri-amp configuration and designated as the KPT-745-N, and a bi-amp configuration utilizing the highly sophisticated N2 passive processors designated the KPT-745-N2.

4-WAY SYSTEM FOR MEDIUM AUDITORIUMS

Klipsch designed the four-way KPT-445 to amply deliver digital soundtracks for small- to medium-sized auditoriums. Designed to be used in a quad-amp configuration, the KPT-90-4LF double 15-inch low-frequency system, works in conjunction with the KPT-402-MF. The high frequency section utilizes the proven KPT-904-HF while the ultra highs are delivered by the K-703 horn and a 1.75-inch titanium diaphragm. This high/ultra high tractix horn is labeled the KPT-445-UHF/HF. The KPT-445 is a quad-amp system but can also be bi-amped utilizing the N2 passive processors designated KPT-445-N2.

3-WAY HORN LOADED SYSTEM FOR MEDIUM TO LARGE AUDITORIUMS

With auditorium space at a premium, the Jubilee low-frequency device with its 24-inch depth, is the ultimate space-saving solution. Developed by audio pioneer Paul W. Klipsch in 2001, this dual 12-inch loudspeaker system couples the horn-loaded woofers with the KPT-402-MF mid-frequency Tractrix Horn and the Klipsch K-1133 two-inch exit titanium compression driver. The high frequencies are easily handled by the KPT-Grand-HF-N Tractrix Horn. The KPT-Jubilee 535-N is a three-way system available only in bi-amp configuration.



KPT-535-4-T

KPT-JUBILEE® 535-N

KPT-942-4-T

THX

KPT-335-N**KPT-435-N****KPT-435-N**

3-WAY BI-AMP OR MONO-AMP SYSTEM FOR SMALL TO MEDIUM AUDITORIUMS

As the first complete three-way passive behind-the-screen system on the market, the KPT-435-N affords the ultimate in audio performance for small-and medium-sized venues. Less than 20 inches in depth, it is also one of the most space saving speakers in its performance category. Based on the proven KPT-904-LF dual 15-inch bass unit, the KPT-435-N delivers powerful bass from a shallow cabinet that is just 17.75 inches deep. In order to reproduce the critical dialogue range, this system also features the new KPT-335 HF/MF-N, which consists of a K-510 Tractrix Horn, two-inch throated compression driver and the K-703 horn with a 1.75-inch titanium diaphragm. It is perfect for exhibitors who want to utilize a bi-amp configured three-way system in their auditoriums; or a fully passive three-way mono-amp configuration by simply changing the wiring on the crossover network.

3-WAY BI-AMP OR MONO-AMP SYSTEM FOR SMALL AUDITORIUMS

Unlike many three-way behind-the-screen systems, the KPT-335-N is 12.25 inches in depth, making it one of the most compact performers in its class. Engineered to save space and deliver superior sound to smaller-sized venues, the KPT-335-N serves as a high-output single 15-inch three-way system. It features the KPT-315-LF for enhanced bass output and the same KPT-335 HF/MF-N configuration as the larger KPT-435-N for improved speech intelligibility. This system also utilizes a passive network for bi-amp configuration; or a fully passive three-way mono-amp configuration by simply changing the wiring on the crossover network.

2-WAY BI-AMP EXTENDED BASS SYSTEM FOR MEDIUM TO LARGE AUDITORIUMS

The THX-Certified KPT-942-4-T two-way bi-amp screen and stage loudspeaker system is based on the KPT-415-LF quad 15-inch bass unit, providing enhanced bass output, while retaining the 24-inch depth of smaller systems. Higher frequencies are handled by a KPT-402-HF Tractrix Horn with a K-1132 two-inch exit titanium compression driver. The KPT-942-4-T's high efficiency, very high output and excellent coverage characteristics make it an outstanding, cost-effective solution for medium and large auditoriums.

2-WAY SYSTEM FOR MEDIUM AUDITORIUMS

The KPT-942-T is a THX-certified high-performance two-way bi-amp screen and stage loudspeaker system well suited for medium-sized auditoriums. Based on the proven KPT-904-LF dual 15-inch bass unit, it delivers powerful bass from a cabinet just 24 inches deep. For high output combined with excellent coverage, the system uses a KPT-402-HF Tractrix Horn with a K-1132 2-inch exit titanium compression driver to reproduce mid and high frequencies. This system is also available with a passive network in a non THX mono-amp version designated the KPT-942-N.

THX

**KPT-902-N2****KPT-904****KPT-942-T**

KPT-325



2-WAY BI-AMP SYSTEM FOR SMALL AUDITORIUMS

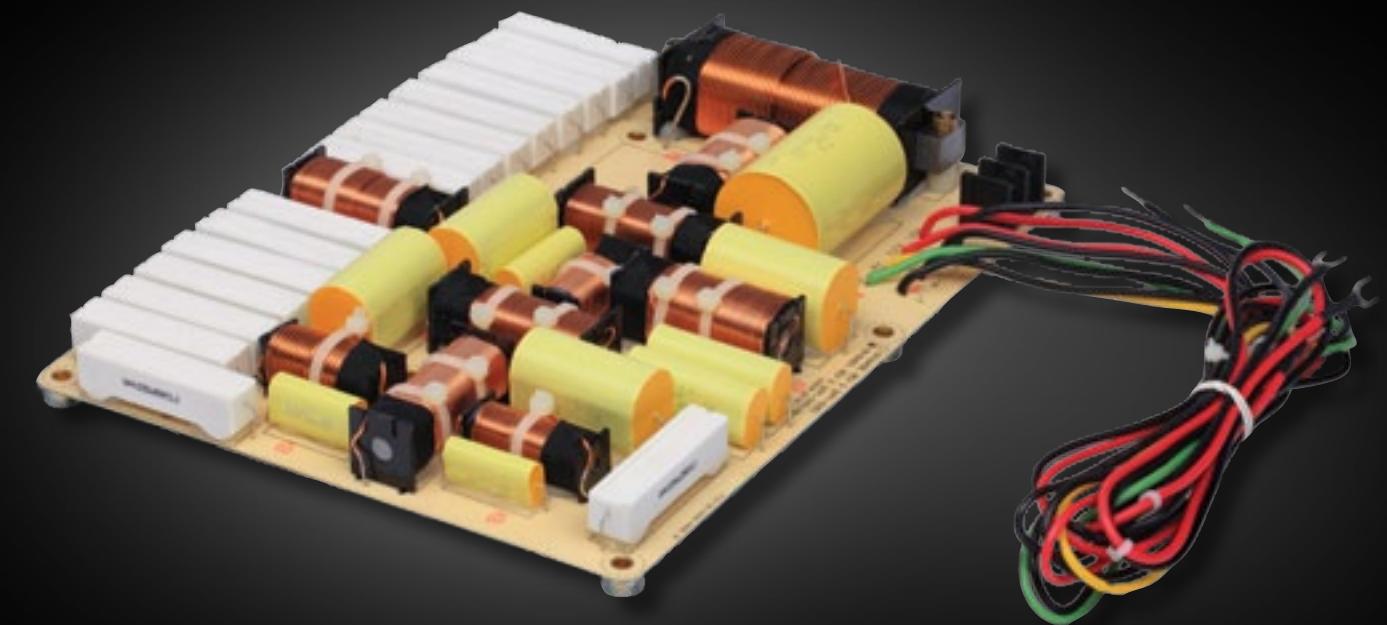
Engineered to save space, the KPT-325 is only 12 inches in depth and is a bi-amp configuration. The system features the KPT-315-LF single 15-inch woofer enclosure coupled with the KPT-904-HF Tractrix Horn. Amazingly, this compact combination delivers the same frequency response as the KPT-904 system. This system is also available with a passive network for mono-amp configuration designated the KPT-325-N.

KPT-310-N2



ECONOMICAL 2-WAY MONO-AMP SYSTEM FOR SMALL AUDITORIUMS

The new KPT-310-N2 is an entry level two-way mono-amp screen speaker system for smaller size auditoriums where cost effectiveness is the primary objective. The highly sophisticated N2 passive processors assures optimal performance between components. Utilizing the new KPT-310-LF cabinet and new KPT-310-HF horn, this low cost system's performance maintains all the characteristics of Klipsch's legendary sound in smaller cinemas.



N2 PASSIVE PROCESSORS

The highly sophisticated N2 passive processors were developed as an option to reduce the number of amplifiers required for screen speaker systems and to provide reliable plug-and-play operation out of the box. Much more than just a crossover, the N2 passive processors combine steep slope and in phase crossover technology with perfect level matching and time alignment between components that results in speakers that require little to no EQ to obtain the SMPTE/ISO 2969 X-Curve. They provide mono-amp operation with Klipsch 2-way and 3-way systems, and bi-amp operation with the largest 4-way systems. There is no loss of performance with these sophisticated passive processors, just perfectly tuned, reliable and repeatable operation with much less electronics.

SURROUNDS

KPT-250



A 12-inch, three-way cinema surround loudspeaker system, the KPT-250 offers high power handling, extreme efficiency and extended bass response. Its 90° by 60° coverage pattern makes this the ultimate side surround speaker for larger auditoriums as well as for 7.1 rear surround channels. The system features Tractrix Horn technology, a 15° down-firing angle, a .75-inch void-free plywood enclosure pre-drilled for industry standard mounting brackets and a high-frequency protection circuit.

KPT-1201



THX

The KPT-1201 is a THX-Certified cinema surround speaker system that delivers extended bass response, controlled coverage and standard SMPTE/ISO 2969 X-curve de-emphasis from an enclosure designed not to appear bulky. Its 12-inch woofer and 1.75-inch titanium high-frequency compression driver coupled to a 100° x 100° Tractrix Horn accurately reproduce the enormous dynamic range demanded by digital sound formats. A protection circuit guards the tweeter from potentially damaging signal levels. The enclosure angles the drivers downward at a 15° angle and is pre-drilled for industry-standard mounting brackets.

KPT-8001



THX

THX-certified, this two-way cinema surround loudspeaker system offers high efficiency, controlled coverage and standard SMPTE/ISO 2969 X-curve de-emphasis. It features a single high-output, 8-inch woofer and a high-frequency compression driver coupled to a 100° x 100° Tractrix Horn. The shallow enclosure angles the drivers downward at a 15° angle and is pre-drilled for industry-standard mounting brackets. The system also incorporates a high-frequency protection circuit to safeguard the tweeter.

The CA-800-T compact full-range system works well in professional cinema surround applications where flexible mounting and extended range are required. It includes a high-power 8-inch extended low-frequency driver and a titanium diaphragm compression driver mated to a 90° x 90° Tractrix Horn. This dual port bass-reflex loudspeaker can also handle 100 watts of continuous power for an AES sensitivity of 96dB. The CA-800-T ships complete with a mounting bracket.

CA-800-T



The Klipsch KPT-12-VB with Virtual Boundary Array Technology (VBAT) permits a 50% reduction in the required number of surround speakers typically used in today's conventional surround channel array. This exciting new technology uses a pair of our patented skewed horns in a side by side configuration that provides coverage in excess of 150° in the horizontal. These new horns also have a tighter 60° vertical pattern for greater distance throw which is better suited to today's wider auditoriums. The large voice coil 12-inch woofer and pair of 1.75-inch titanium diaphragm compression drivers give the KPT-12-VB truly prodigious power handling. When combined with 100dB sensitivity, the result is truly effortless reproduction of the tremendous dynamic range present in today's digital sound tracks. The KPT-12-VB incorporates the standard SMPTE/ISO 2969 X-curve into its response and is capable of a solid 40Hz response, further enhancing the realism in the digitally mastered effects channels. Doubling up the VBAT design to the normal number of surround speakers truly produces a wall of sound in the auditorium.

KPT-12-VB



The Klipsch KPT-8-VB also features VBAT for a 50% reduction in the number of surround speakers needed in a conventional surround channel array. Two skewed horns are arranged side by side to provide coverage in excess of 150° in the horizontal. These new horns also have a tighter 60° vertical pattern for greater distance throw. The KPT-8-VB has an 8-inch woofer and 1-inch compression drivers. Doubling up the VBAT design to the normal number of surround speakers truly produces a wall of sound in the auditorium.

KPT-8-VB



KPT-4350-MS



The new KPT-4350-MS was developed as a full range point source surround speaker to be mounted in the rear corners of the auditorium similar to other large screen formats. Based on the tried and true KPT-435-N, all the components are mounted in the low frequency cabinet and it is reinforced to be hung for mounting. The KPT-4350-MS can be used as a monopoint full range surround speaker or to augment a conventional surround array for the best of both surround speaker approaches.

KPT-884



SUBWOOFERS

Capable of delivering an earth-shaking low frequency of 18Hz, the KPT-884 is a high-output, bass-reflex cinema subwoofer that features an advanced low-frequency 4-inch voice coil driver design. Less than 23 inches in depth, this system utilizes a single 18-inch driver that gains its high efficiency through the use of large, geometrically optimized structures and lightweight cones.

KPT-684



THX-Approved, the KPT-684 is a high-quality subwoofer system that features an advanced low-frequency driver design inside a bass-reflex enclosure for smooth response to the lowest audible frequencies. The system utilizes two 18-inch drivers that gain their amazing 105dB sensitivity through the use of large, geometrically optimized magnet structures and lightweight cones.

THX

KPT-418



With a depth of only 11 inches , the KPT-418 cinema subwoofer is even more compact than the KPT-884. This high-output, bass-reflex subwoofer system delivers true low-frequency performance along with high power handling capability and high efficiency. It can be used as the main subwoofer system in a small auditorium or as the subwoofer for surrounds in small- to medium-sized auditoriums.



SOME GENIUSES HAVE A VISION. PAUL W. KLIPSCH HEARD A SOUND.

WHEN HE FOUNDED KLIPSCH IN A TINY TIN SHED IN HOPE, ARKANSAS, PAUL W. KLIPSCH HAD AN UNYIELDING DESIRE TO CHANNEL LIVE SOUND FROM THE PERFORMER DIRECTLY INTO THE EARS OF THE LISTENER. HE STOPPED AT NOTHING, DEFYING CONVENTION AND BREAKING ALL THE RULES TO MAKE NEW ONES. TODAY, PWK'S REVOLUTIONARY SOUND PRINCIPLES STILL GRACE EVERY PRODUCT WE MAKE. ENJOY OUR INNOVATIVE SPEAKERS AS OUR FOUNDER INTENDED, CONNECTING YOU WITH YOUR FAVORITE MUSIC.

Klipsch®
KEEPERS OF THE SOUND™

SPECIFICATIONS

BEHIND-THE-SCREEN SYSTEMS

THX		THX		THX		THX		THX	
KPT-MCM-4-T Grand	KPT-745	KPT-445	KPT-Jubilee® 535-N	KPT-535-4-T	KPT-535-T	KPT-942-4-T	KPT-942-T	KPT-904	
Frequency Response ¹	40Hz-19kHz ± 3dB, -10dB @ 35Hz	43Hz-19kHz ± 3dB, -10dB @ 26Hz	45Hz-19kHz ± 3dB, -10dB @ 32Hz	45Hz-19kHz ± 3dB, -10dB @ 34Hz	43Hz-19kHz ± 3dB, -10dB @ 26Hz	43Hz-18kHz ± 3dB, -10dB @ 32Hz	45Hz-18kHz ± 3dB, -10dB @ 32Hz	45Hz-19kHz ± 3dB, -10dB @ 32Hz	
System Components/	LF: KPT-MWM-LF - 400 watts cont. /	LF: KPT-415LF - 800 watts cont. /	LF: KPT-904-LF - 400 watts cont. /	LF: KPT-KJF-LF - 200 watts cont. /	LF: KPT-415LF - 800 watts cont. /	LF: KPT-904-LF - 400 watts cont. /	LF: KPT-415LF - 800 watts cont. /	LF: KPT-904-LF - 400 watts cont. /	
Power Handling ²	1600 watts peak per woofer	3200 watts peak per woofer pr.	1600 watts peak per woofer	800 watts peak per woofer	3200 watts peak per woofer pr.	1600 watts per woofer	3200 watts peak per woofer pr.	1600 watts peak per woofer	
	MB: KPT-305-MB 200 watts cont./	MB: KPT-305-MB 200 watts cont./	MF: KPT-402-MF - 50 watts cont. /	MF: KPT-402-MF - 50 watts cont. /	MF: KPT-402-MF - 50 watts cont. /	HF: KPT-402-HF - 50 watts cont. /	HF: KPT-402-HF - 50 watts cont. /	HF: KPT-402-HF - 50 watts	
	800 watts peak	800 watts peak	200 watts peak	200 watts peak	200 watts peak	200 watts peak	200 watts peak	cont./200 watts peak	
	MF: KPT-402-MF - 50 watts cont. /	MF: KPT-402-MF - 50 watts cont. /	HF: KPT-445-UHF/HF - 50 watts cont. /	HF: KPT-Grand HFT - 50 watts cont. /	HF: KPT-Grand HFT - 50 watts	HF: KPT-Grand HFT - 50 watts	HF: KPT-Grand HFT - 50 watts	cont./200 watts peak	
	200 watts peak	200 watts peak	200 watts peak	200 watts peak	cont./200 watts peak	cont./200 watts peak	200 watts peak	200 watts peak	
	HF: KPT-Grand HFT - 50 watts cont. /	HF: KPT-Grand HFT - 50 watts cont. /							
	200 watts peak	200 watts peak							
Sensitivity ³	108dB	107dB	104dB	105dB	107dB	104dB	107dB	104dB	
Coverage	Horizontal 80° ± 20° 200Hz-16kHz	Horizontal 80° ± 20° 200Hz-16kHz	Horizontal 90° ± 20° 250Hz-16kHz	Horizontal 90° ± 20° 200Hz-18kHz	Vertical 60° ± 30° 300Hz-16kHz	Horizontal 90° ± 20° 250Hz-16kHz	Horizontal 90° ± 30° 200Hz-14kHz	Horizontal 90° ± 20° 250Hz-14kHz	
	Vertical 50° ± 50° 350Hz-16kHz	Vertical 50° ± 30° 350Hz-16kHz	Vertical 60° ± 20° 450Hz-16kHz	Vertical 60° ± 20° 600Hz-19kHz	86" (218.44cm)	Vertical 60° ± 20° 450Hz-16kHz	Vertical 60° ± 30° 300Hz-18kHz	Vertical 60° ± 20° 450Hz-18kHz	
Height	98" (248.92cm)	114.5" (290.83cm)	90.5" (229.8cm)	77.75" (197.5cm)	39.75" (100.97cm)	80.5" (204.47cm)	76" (193.04cm)	70.5" (179.07cm)	
Width	67.25" (170.8cm)	41.5" (105.41cm)	39.75" (100.9cm)	41.5" (105.41cm)	23.75" (60.33cm)	39.75" (100.97cm)	39.75" (100.97cm)	27.25" (69.22cm)	
Depth	45" (114.3cm)	23.75" (60.33cm)	23.75" (60.33cm)	24.25" (61.6cm)	285 lbs. (129.7kg)	23.75" (60.33cm)	23.75" (60.33cm)	17.75" (45.1cm)	
Weight	531 lbs. (241.6kg)	413 lbs. (187.9kg)	233 lbs. (105.9kg)	265 lbs. (120.6kg)	220 lbs. (100.1kg)	260 lbs. (118kg)	195 lbs. (88.5kg)	156 lbs. (71kg)	

1. Frequency response behind a screen with horn equalization applied 2. Power Rating: AES standard pink noise, 6dB peaks 3. SPL at 1M, half-space anechoic with 2.83V input

SUBWOOFERS

KPT-325		KPT-335-N		KPT-435-N		KPT-902-N2		KPT-310-N2		KPT-884		KPT-684		KPT-418	
Frequency Response ¹	50Hz-19kHz ± 3dB, -10dB @ 42Hz	50Hz-20kHz ± 3dB, -10dB @ 42Hz	50Hz-20kHz ± 3dB, -10dB @ 42Hz	48Hz-20kHz ± 3dB		52Hz-20kHz ± 3dB				Frequency Response ¹	27Hz-240Hz ± 3dB	36Hz-800Hz ± 3dB	38Hz-150Hz ± 3dB		
System Components/	LF: KPT-315-LF - 400 watts cont./	LF: KPT-315-LF - 400 watts cont./	LF: KPT-904-LF - 400 watts cont./	LF: KPT-902-LF - 500 watts cont/ 2000		LF: KPT-310-LF - 250 watts cont/				18Hz-1.2kHz -10dB	25Hz-2.2kHz -10dB	26Hz-2.2kHz -10dB			
Power Handling ²	1600 watts peak	1600 watts peak	1600 watts peak per woofer	watts peak		1000 watts peak				1200 watts (92V) 20-200Hz	600 watts (65V) per woofer 25-250Hz	600 watts (47V) 25Hz-250Hz			
	HF: KPT-904-HF - 50 watts	HF: KPT-335-HF/MFN - 50 watts	HF: KPT-335-HF/MFN - 50 watts	HF: KPT-301-HF - 55 watts cont/ 220		HF: KPT-301-HF - 55 watts cont/				128dB	132dB	125dB			
	cont./200 watts peak	cont./ 200 watts peak	cont./ 200 watts peak	cont./ 200 watts peak		watts peak				98dB	105dB	101dB			
Sensitivity ³	102dB	102dB	104dB	102dB		100dB				Nominal Impedance	8 ohms (7.2 min. @ 23Hz)	8 ohms (3.6 min. @ 22Hz)	8 ohms (3.6 min. @ 24 Hz)		
Coverage	Horizontal 80° ± 20° 400Hz-18kHz	Horizontal 90° ± 20° 1kHz-16kHz	Horizontal 90° ± 20° 1kHz-16kHz	Horizontal: 90° ± 30 400Hz-18kHz		Horizontal: 90° ± 30 500Hz-18kHz				Transducers	One K-472 18" woofer	Two K-47-EP2 18" woofers	One K-49-EP2 18" woofer		
	Vertical 60° ± 20° 2kHz-19kHz	Vertical 60° ± 20° 2kHz-19kHz	Vertical 60° ± 20° 2kHz-19kHz	Vertical: 60° ± 30 450Hz-20kHz		Vertical: 60° ± 30 2kHz-20kHz				Input Connectors	Barrier strip	Barrier strip	Barrier strip		
Height	50.5" (128.27cm)	57.75" (146.69cm)	62.75" (159.4cm)	55.5" (140.97cm)		50.5" (140.97cm)				Height	49.75" (126.37cm)	48.75" (123.83cm)	43.75" (111.13cm)		
Width	27.25" (69.22cm)	27.25" (69.22cm)	27.25" (69.2cm)	27.25" (69.21cm)		27.25" (69.21cm)				Width	35.75" (90.8cm)	23.5" (59.7cm)	40.75" (103.5cm)		
Depth	12.25" (31.1cm)	12.25" (31.1cm)	17.75" (45.1cm)	17.75" (45.08cm)		12.25" (31.15cm)				Depth	22.5" (57.15cm)	30.5" (77.47cm)	11.0" (27.94cm)		
Weight	111 lbs. (50.5kg)	122 lbs. (55.5kg)	167 lbs. (76kg)	155 lbs (70.3 kg)		100 lbs (45.4kg)				Weight	140 lbs. (64kg)	155 lbs. (70kg)	119 lbs. (54kg)		

1. Frequency response behind a screen with horn equalization applied 2. Power Rating: AES standard pink noise, 6dB peaks 3. SPL at 1M, half-space anechoic with 2.83V input

Some product specifications are preliminary and subject to change.

1. 3M, Half-space anechoic 2. AES Standard, continuous pink noise 40Hz-10kHz, 6dB peaks 3. Calculated at 1M half-space at power handling power input 4. SPL at 1M, half-space anechoic with 2.83V input

Some product specifications are preliminary and subject to change.

SURROUNDS



	KPT-250	KPT-1201	KPT-8001	CA-800-T	KPT-12-VB	KPT-8-VB	KPT-4350-MS
Frequency Response ¹	70Hz-19kHz ± 3dB 52Hz-20kHz -10dB	72Hz-17kHz ± 3dB 46Hz-20kHz -10dB	72Hz-17kHz ± 3dB 50Hz-20kHz -10dB	64Hz-17.5kHz ± 4dB 47Hz-20kHz -10dB	48Hz-19kHz ± 3dB 37Hz-21kHz -10dB	55Hz-20kHz ± 3dB 46Hz-23kHz -10dB	45Hz-20kHz ± 3dB -10dB @ 32Hz
Power Handling ²	250 watts (38V) 40Hz-10kHz	200 watts (31V) 40Hz-10kHz	100 watts (21V) 40Hz-10kHz	100 watts (21V) 40Hz-10kHz	400 watts (40V) 40Hz-10kHz	200 watts (28V) 40Hz-10kHz	400 watts/58V
Calc. Max. Cont. Output ³	123dB	120dB	114dB	113dB	123dB	118dB	130dB
Sensitivity ⁴	101dB	99dB	97dB	96dB	100dB	98dB	104dB
Coverage	Horizontal 90° +/- 40° 400-20kHz Vertical 60° +/- 30° 3kHz-20kHz	Horizontal 100° +/- 30°/-45° 600Hz-18kHz Vertical 100° +/- 30°/-55° 700Hz-18kHz	Horizontal 100° +/- 35° 600Hz-16kHz Vertical 100° +/- 40°/-70° 900Hz-20kHz	Horizontal 80° +/- 40° 1.2kHz-20kHz Vertical 90° +/- 30° 1kHz-20kHz	Horizontal 140° +/- 30 200Hz-20kHz Vertical 60° +/- 20 2200Hz - 20kHz	Horizontal 130° +/- 30° 250Hz-20kHz Vertical 60° +/- 20° 2200Hz-20kHz	Horizontal 90° +/- 20° 1KHz-16kHz Vertical 60° +/- 20 2kHz - 19kHz
DI	8dB +/- 3dB 1.6kHz-20kHz	7dB ± 2dB 400Hz-18kHz	7dB ± 2dB 500Hz-20kHz	7dB ± 2.5dB 700Hz-20kHz	7dB ± 2dB 350Hz - 20kHz	7dB ± 2dB 400Hz-20kHz	8dB +/- 2dB 500Hz - 19kHz
Q	6.3	5	5	5	5	5	6.3
Nominal Impedance	8 ohms (3 min. @ 8kHz)	8 ohms (4.76 min. @ 155Hz)	8 ohms (4.47 min. @ 205Hz)	8 ohms (4.5 min. @ 167Hz)	8 ohms (3.96½ minimum @ 900Hz)	8 ohms (4.5 min @ 175Hz)	8 Ohms, minimum 3.58 Ohms at 100Hz
Transducers	One K-42-EPK 12" woofer One K-66-E 2" titanium diaphragm compression driver One K-792-KP 1" diaphragm compression driver	One K-28-EP 12" woofer One K-70-G 1.75" titanium diaphragm compression driver on a K-801 horn	One K-8-EP 8" woofer One K-103-TI-KP 1" titanium diaphragm compression driver on a K-802 horn	One K-1183-A 8" woofer One K-150-A 1" compression driver/horn assembly	One K-281-EP 12" woofer Two K-70-G 1.75" titanium diaphragm compression drivers, on K-706 cinema skewed horns.	One K-81-EP 8" woofer Two K-103-TI-KP 1" titanium diaphragm compression drivers, on K-707 cinema skewed horns.	Two K-45-EP 15" woofers K-69-A Compression driver on a K-510 horn on MF K-70-G Compression driver on a K-703 horn on HF
Input Connectors	Barrier strip	Spring-loaded terminals	Spring-loaded terminals	Barrier strip	Two point barrier strip	Two point barrier strip	Two point barrier strip
Height	25" (63.5cm)	22.625" (57.468cm)	18.75" (47.63cm)	11.125" (28.3cm)	22.5" (57.15cm)	19.625 (49.85cm)	27.25" (69.92 cm)
Width	16" (40.6cm)	17.25" (43.82cm)	15.625" (39.69cm)	16.375" (41.6cm)	23.5" (59.69cm)	19.5 (49.53cm)	42.25" (107.32 cm)
Depth	15.5" (39.37cm)	13.25" (33.66cm) Top 5" (13cm) Bottom	10" (25cm) Top 4.8" (12cm) Bottom	12.375" (31.4cm)	13" (33.02cm) Top 7" (17.78cm) Bottom	12" (30.48cm) Top 6.75" (17.78cm) Bottom	17.75" (45.09 cm)
Weight	60 lbs. (27kg)	42 lbs. (19kg)	27 lbs. (12kg)	18 lbs. (8kg)	53 lbs. (24.09kg)	32 lbs. (14.52kg)	145 lbs (65.9 kg) / 158 lbs (71.66 kg)

*Frequency response behind a screen with horn equalization applied.

LOW-FREQUENCY DRIVERS

	KPT-MWM-LF	KPT-KHJ-LF	KPT-904-LF	KPT-315-LF	KPT-415-LF	KPT-902-LF	KPT-310-LF
Frequency Response ¹	40Hz-450Hz ± 4dB 35Hz-500Hz -10dB	45Hz-800Hz ± 4dB 34Hz-1kHz -10dB	45Hz-1.5kHz ± 3dB 32Hz-2kHz -10dB	50Hz-1.3kHz ± 3dB 42Hz-2.5kHz -10dB	43Hz-750Hz ± 3dB 26Hz-900Hz -10dB	48Hz-1.2kHz ± 3dB	52Hz-1.2kHz ± 3dB
Power Handling ²	400 watts (49V) per woofer 40Hz-400Hz	200 watts (40.5V) per woofer 40Hz-800Hz	400 watts (58V) per woofer 40Hz-800Hz	400 watts (40V) 40Hz-800Hz	800 watts (58V) per woofer pair 40Hz-800Hz	500 watts (48 V) 50Hz - 500Hz	250 watts (36 V) 50Hz - 500Hz
Calc. Max. Cont. Output ³	133dB	128dB	130dB	125dB	133dB	125dB	121dB
Sensitivity ⁴	108dB	105dB	104dB	102dB	107dB	102dB	100dB
Coverage	Horizontal 80° ± 20° 200Hz-700Hz Vertical 50° ± 30° 350Hz-1kHz	Horizontal 90° ± 20° 200Hz-1kHz Vertical 90° ± 20° 200Hz-600Hz	Horizontal 90° ± 20° 250Hz-1.5kHz Vertical 60° ± 20° 450Hz-1.5kHz	Horizontal 110° ± 30° 350Hz-1.7kHz Vertical 120° ± 30° 300Hz-1kHz	Horizontal 90° ± 30° 200Hz-1kHz Vertical 60° ± 30° 300Hz-3kHz	Horizontal 100 deg ± 30 250Hz-1.5kHz Vertical 60 deg ± 30 450Hz-1.2kHz	Horizontal 110 deg ± 30 350Hz-1.5kHz Vertical 110 deg ± 30 300Hz-1kHz
DI	9dB ± 1dB 200Hz-700Hz	8dB ± 2dB 200Hz-800Hz	7dB ± 2dB 200Hz-1kHz	6dB ± 1dB 150Hz-1kHz	8dB ± 2dB 200Hz-600Hz	7dB ± 2dB 250Hz - 1kHz	6dB ± 1dB 150Hz - 1kHz
Q	7.9	6.3	5	4	6.3	5	4
Nominal Impedance	4 ohms (3 min. @ 140Hz) woofers wired in parallel	8 ohms (4.1 min. @ 120Hz) woofers wired in parallel	8 ohms (4.2 min. @ 150Hz) woofers wired in parallel	8 ohms (4 min. @ 180Hz)	8 ohms (4 min. @ 150Hz) per woofer pair Top and bottom woofer in parallel and middle pair in parallel	8 ohms (7 min at 150 Hz)	8 ohms (4 min at 150 Hz)
Transducers	Two K-43-EP 15" woofers	Two K-1080-KP 12" woofers	Two K-45-EP 15" woofers	One K-48-EP 15" woofer	Four K-45-EP 15" woofers	Two K-33-E woofers	One K-33-E
Input Connectors	Barrier strip	Barrier strip	Barrier strip	Barrier strip	Barrier Strip	Barrier strip	Barrier strip
Height	32.25" (81.9cm)	40.0" (101.6cm)	43.25" (109.85cm)	38.25" (97.16cm)	48.75" (123.83cm)	43.25" (109.85cm)	38.25" (97.15cm)
Width	67.25" (170.8cm)	41.5" (105cm)	27.25" (69.22cm)	27.25" (69.22cm)	35.75" (90.8cm)	27.25" (69.21cm)	27.25" (69.21cm)
Depth	45" (114cm)	24.5" (62.23cm)	17.75" (45.1cm)	12.25" (31.1cm)	22.5" (57.15cm)	17.75" (45.08cm)	12.25" (31.11cm)
Weight	318 lbs. (144kg)	180 lbs. (82kg)	135 lbs. (61kg)	90 lbs. (41kg)	200 lbs. (91kg)	140 lbs (63.5kg)	85 lbs (38.6kg)

MID-FREQUENCY DRIVERS

KPT-305-MB	KPT-445-MF	KPT-402-MF	KPT-335-MF
Frequency Response ¹ 150Hz-900Hz +/-3dB, -10dB @120Hz	625Hz-19kHz ± 3dB	350Hz-10kHz ± 3dB	625Hz-19kHz ± 3dB
Power Handling ² 200 watts (32 V) 150-1500Hz	50 watts (20V) 800Hz-8kHz	50 watts (20V) 400Hz-4kHz	50 watts (20V) 800Hz-8kHz
Calc. Max. Cont. Output ³ 126dB	125dB	128dB	125dB
Sensitivity ⁴ 105dB	108dB	111dB	108dB
Coverage Horizontal 90° +/-10° 220Hz-14kHz Vertical 60° +/-15° 600Hz-18kHz	Horizontal 90° ± 20° 1K-16kHz Vertical 60° ± 20° 2kHz-19kHz	Horizontal 90° ± 10° 220Hz-14kHz Vertical 60° ± 15° 600Hz-18kHz	Horizontal 90° ± 20° 1kHz-16kHz Vertical 60° ± 20° 2kHz-19kHz
DI 8dB ± 2dB 250Hz-1.6kHz	8dB ± 2dB 1kHz-20kHz	8dB ± 2dB 200Hz-14kHz	8dB ± 2dB 1kHz-20kHz
Q 6.3	6.3	6.3	6.3
Nominal Impedance 8 ohms (5.4 min. @ 200Hz)	8 ohms (7.6 min. @ 4.4kHz)	8 ohms (7.5 min. @ 550Hz)	8 ohms (7.6 min @ 4.4kHz)
Transducers One K-81-EP woofer on a K-402 Horn	One K-69-A 2.75" titanium diaphragm compression driver on a K-510 horn	One K-1133 3" titanium diaphragm compression driver on a K-402 horn	One K-69-A 2.75" titanium diaphragm compression driver on a K-510 horn
Input Connectors Barrier strip	Spring terminals on driver	Spring terminals on driver	Spring terminals on driver
Height 28.5" (72.39cm)	39.5" (100.33cm) w/KPT-445-HF and mounting board	27.25" (69.22cm)	19.5" (50cm) w/904 bracket and KPT-335-HF
Width 41.5" (105.41cm)	39.75" (100.97cm)	39.75" (100.97cm)	27.25" (69.22cm)
Depth 23.25" (59.06cm)	7.75" (19.69cm)	23.75" (60.33cm)	10.25" (26.04cm)
Weight 85 lbs. (38.6kg)	38 lbs. (17.2kg)	60 lbs. (27.2kg)	32 lbs. (15kg)

HIGH-FREQUENCY DRIVERS

KPT-GRAND-HF-T	KPT-904-HF	KPT-445-HF	KPT-402-HF	KPT-335-HF	KPT-310-HF
Frequency Response ¹ 500Hz-19kHz ± 3dB	500Hz-19kHz ± 3dB	650Hz-20kHz ± 3dB	450Hz-18kHz ± 3dB	650Hz-20kHz ± 3dB	575Hz-20kHz ± 3dB
Power Handling ² 50 watts (20V) 800Hz-8kHz	50 watts (20V) 800Hz-8kHz	55 watts (19V) 1.2kHz-12kHz	50 watts (20V) 500Hz-5kHz	55 watts (19V) 1.2kHz-12kHz	55 watts (19V) 1.2kHz - 12kHz
Calc. Max. Cont. Output ³ 125dB	125dB	121dB	128dB	121dB	121dB
Sensitivity ⁴ 108dB	108dB	105dB	111dB	105dB	105dB
Coverage Horizontal 90° ± 20° 1kHz-16kHz Vertical 60° +/-20° 2.5kHz-16kHz	Horizontal 80° ± 20° 800Hz-18kHz Vertical 60° ± 20° 2kHz-19kHz	Horizontal 90° ± 20° 2K-18kHz Vertical 60° ± 20° 2.5kHz-20kHz	Horizontal 90° ± 20° 220Hz-14kHz Vertical 60° ± 15° 600Hz-18kHz	Horizontal 90° ± 20° 2kHz-18kHz Vertical 60° ± 20° 2.5kHz-20kHz	Horizontal 90 deg ± 20 1.5kHz-18kHz Vertical 60 deg ± 20 2kHz-20kHz
DI 8dB ± 2dB 800Hz-12kHz	8dB ± 2dB 700Hz-10kHz	8dB ± 2dB 1kHz-20kHz	8dB ± 2dB 200Hz-14kHz	8dB ± 2dB 1kHz-20kHz	8dB ± 2dB 900Hz - 20kHz
Q 6.3	6.3	6.3	6.3	6.3	6.3
Nominal Impedance 8 ohms (7.8 min. @ 2.5kHz)	8 ohms (7.8 min. @ 2.5kHz)	8 ohms (7.4 min. @ 1kHz)	8 ohms (8 min. @ 550Hz)	8 ohms (7.4 min @ 1kHz)	8 ohms (7.2 min at 900 Hz)
Transducers One K-69-A 2.75" titanium diaphragm compression driver on a K-510 horn	One KDE-75-8P 3" titanium diaphragm compression driver on a K-510 horn	One K-70-G 1.75" titanium diaphragm compression driver on a K-703 horn	One K-1132 3" titanium diaphragm compression driver on a K-402 horn	One K-70-G 1.75" titanium diaphragm compression driver on a K-703 horn	One K-70-G 1.75" titanium diaphragm compression driver on a K-603 horn
Input Connectors Spring terminals on driver	Spring terminals on driver	Spring terminals on driver	Spring terminals on driver	Spring terminals on driver	Spring terminals on driver
Height 10" (25.4cm)	12.25" (31.12cm)	39.5" (100.33cm) w/KPT-445-MF and mounting board	27.25" (69.22cm)	19.5" (50cm) w/904 bracket and KPT-335-MF	12" (30.48cm)
Width 39.5" (100.33cm)	15.25" (38.74cm)	39.75" (100.97cm)	39.75" (100.97cm)	27.25" (69.22cm)	15" (38.10cm)
Depth 7.75" (19.69cm)	10.25" (26.04cm)	7.75" (19.69cm)	23.75" (60.33cm)	10.25" (26.04cm)	10.5" (26.67cm)
Weight 25 lbs. (11.38kg)	21 lbs. (10kg)	38 lbs. (17.2kg)	60 lbs. (27.2kg)	32 lbs. (15kg)	15 lbs (6.8kg)

1. 3M, Half-space anechoic. 2. AES Standard, continuous pink noise 40Hz-10kHz, 6dB peaks 3. Calculated at 1M half-space at power handling power input. 4. SPL at 1M, half-space anechoic with 2.83V input.
Some product specifications are preliminary and subject to change.

*Frequency response behind a screen with horn equalization applied.
Some product specifications are preliminary and subject to change.

ACTIVE SETTINGS

These settings assume components are as close to the screen as possible.

	KPT-325 (KPT-904-HF)	(KPT-315-LF)	KPT-904 (KPT-904-HF)	(KPT-904-LF)	KPT-942-T (KPT-402-HF)	(KPT-904-LF)	KPT-942/4 (KPT-402-HF)	(KPT-415-LF)
High/Low Pass Crossover	900Hz Linkwitz Riley 24dB highpass	800Hz Linkwitz Riley 24dB lowpass	900Hz Linkwitz Riley 24dB highpass	920Hz Linkwitz Riley 24dB lowpass	600Hz Linkwitz Riley 24dB highpass	500Hz Linkwitz Riley 24dB lowpass	580Hz Linkwitz Riley 24dB highpass	580Hz Linkwitz Riley 24dB lowpass
PEQ1	1.52KHz Q: 1.2 Gain: -5dB	540Hz Q: 2.4 Gain: +3dB	1.52KHz Q: 1.2 Gain: -5dB	620Hz Q: 3.2 Gain: +3dB	1.08 KHz Q: 1 Gain: -3dB	270Hz Q: 2.2 Gain: +2dB	1.08KHz Q: 1 Gain: -4dB	230Hz Q: 5 Gain: +3dB
PEQ2	3.7KHz Q: 5 Gain: -3dB	800Hz Q: 2 Gain: +3dB	3.7KHz Q: 5 Gain: -3dB	200Hz Q: 1 Gain: +1dB	2.4KHz Q: 4 Gain: -7dB	620Hz Q: 5.5 Gain: -3dB	2.4KHz Q: 4 Gain: -7dB	290Hz Q: 8 Gain: -2dB
PEQ3	1.36KHz Q: 5 Gain: -2dB	-	1.36KHz Q: 5 Gain: -2dB	1.25KHz Q: 5 Gain: -2dB	7.4KHz Q: 4 Gain: +3dB	-	7.4Khz Q: 4 Gain: +3dB	740Hz Q: 3.2 Gain: -7dB
PEQ4	-	-	-	-	15.2KHz Q: 2 Gain: +3dB	-	15.2KHz Q: 2 Gain: +3dB	480Hz Q: 7 Gain: +2dB
Delay	.104ms	0	.104ms	0	0	.271 ms	0	.167 ms
Output Gain	-2dB	0dB	0dB	0dB	0dB	0dB	+2dB	0dB

	KPT-335-N (KPT-335-HF/MFN)	(KPT-315-LF)	KPT-435-N (KPT-335 HF/MFN)	(KPT-904-LF)	KPT-535-T (KPT-Grand HF-T)	(KPT-402 MF)	(KPT-904-LF)	KPT-535-N (KPT-Grand HFN, KPT-402-MF)
High/Low Pass Crossover	880Hz Linkwitz Riley 24dB highpass	980Hz Linkwitz Riley 24dB lowpass	1kHz Linkwitz Riley 24dB highpass	1.32Khz Linkwitz Riley 24dB lowpass	4.2KHz Linkwitz Riley 24dB highpass	400Hz Linkwitz Riley 24dB highpass	450Hz Linkwitz Riley 24dB lowpass	500Hz Linkwitz Riley 24dB highpass
PEQ1	8KHz Q: 2 Gain: +2dB	540Hz Q: 2.4 Gain: +3dB	8KHz Q: 2 Gain: +2dB	620Hz Q: 3.2 Gain: +1dB	3.6KHz Q: 2.2 Gain: -4dB	620Hz Q: 2 Gain: -1dB	270Hz Q: 2.2 Gain: +3dB	620Hz Q: 2 Gain: -1dB
PEQ2	3KHz Q: 4 Gain: +2dB	800Hz Q: 2 Gain: +3dB	3KHz Q: 4 Gain: +2dB	400Hz Q: 5 Gain: -1dB	2.5KHz Q: 2 Gain: -4dB	1.2 KHz Q: 5 Gain: -3dB	540Hz Q: 5.5 Gain: -4dB	1.48KHz Q: 5 Gain: -3dB
PEQ3	2KHz Q: 5 Gain: -2dB	900Hz Q: 5.5 Gain: +3dB	2KHz Q: 5 Gain: -2dB	-	3.8KHz Q: 5 Gain: -3dB	2.4KHz Q: 6.5 Gain: -4dB	700Hz Q: 4 Gain: -3dB	2.3KHz Q: 7 Gain: -3dB
PEQ4	-	-	-	-	-	6KHz Q: 5 Gain: -3dB	-	3.5KHz Q: 7 Gain: -2dB
Delay	0	.542 ms	0	.083 ms	.81ms	.21 ms	0	.375 ms
Output Gain	+1dB	0dB	+3dB	0dB	0dB	-4.5dB	0dB	+1dB

	KPT-535-N continued (KPT-904-LF)	KPT-535/4-T (KPT-Grand HF-T)	(KPT-402-MF)	(KPT-415 LF)	KPT-535/4-N (KPT-Grand-HF-N, KPT-402-MF)	(KPT-415-LF)	KPT-445 (KPT-445-UHF)	(KPT-445-HF)
High/Low Pass Crossover	400Hz Linkwitz Riley 24dB lowpass	4.2KHz Linkwitz Riley 24dB highpass	370 Hz Linkwitz Riley 24dB highpass	440 Hz Linkwitz Riley 24dB lowpass	400 Hz Linkwitz Riley 24dB highpass	440Hz- Linkwitz Riley 24dB lowpass	7.8KHz Linkwitz Riley 24dB highpass	3.4KHz Linkwitz Riley 24dB highpass
			7.6KHz Linkwitz Riley 24dB lowpass				7.8KHz Linkwitz Riley 24dB lowpass	7.8KHz Linkwitz Riley 24dB lowpass
PEQ1	270Hz Q: 2.2 Gain: +3dB	3.6 kHz Q: 2.2 Gain: -4dB	620Hz Q: 2 Gain: -1dB	230Hz Q: 5 Gain: +3dB	620Hz Q: 2 Gain: -1dB	230Hz Q: 5 Gain: +3dB	6.4KHz Q: 4 Gain: -6dB	2.1KHz Q: 4 Gain: -6dB
PEQ2	540Hz Q: 5.5 Gain: -4dB	2.5 kHz Q: 2 Gain: -4dB	1.2 kHz Q: 5 Gain: -3dB	250Hz Q: 8 Gain: +2dB	1.48KHz Q: 5 Gain: 3dB	250Hz Q: 8 Gain: +2dB	4.3KHz Q: 4 Gain: 3dB	6.0KHz Q: 4.5 Gain: +1dB
PEQ3	700Hz Q: 4 Gain: -3dB	5 kHz Q: 5 Gain: -3DB	2.4KHz Q: 6.5 Gain: -4dB	380Hz Q: 5 Gain +3dB	2.3KHz Q: 7 Gain: -3dB	380Hz Q: 5 Gain: +3dB	10KHz Q: 3.5 Gain: +3dB	9.8KHz Q: 11 Gain: -5dB
PEQ4	-	-	6KHz Q: 5 Gain: -3dB	290Hz Q: 8 Gain -2dB	3.5KHz Q: 7 Gain: -2dB	290Hz Q: 8 Gain: -2dB	-	12.8KHz Q: 7 Gain: -7dB
Delay	0	.81 ms	0	0	0	0	.187 ms	.208 ms
Output Gain	0dB	+2dB	-2.5dB	0dB	+3dB	0dB	+1.5dB	+.5dB

	KPT-445 continued (KPT-402-MF)	(KPT- 904-LF)	KPT-445-N2 (KPT-445-UHF, KPT-445-HF, KPT-402-MF, KPT-445-N2 NETWORK)	(KPT-904-LF)	KPT-745 (KPT-Grand HF-T)	(KPT-402-MF)	(KPT-305)	(KPT-415-LF)
High/Low Pass Crossover	390Hz Linkwitz Riley 24dB highpass	450Hz Linkwitz Riley 24dB lowpass	450Hz Linkwitz Riley 24dB highpass	450Hz Linkwitz Riley 24dB lowpass	6.2KHz Linkwitz Riley 24dB highpass	1.04KHz Linkwitz Riley 24dB highpass	340 Hz Linkwitz Riley 24dB highpass	300Hz Linkwitz Riley 24dB lowpass
	3KHz Linkwitz Riley 24dB lowpass					8.2 KHz Linkwitz Riley 24dB lowpass	1.52KHz Linkwitz Riley 24dB lowpass	
PEQ1	620Hz Q: 1.6 Gain -1dB	270Hz Q: 2.2 Gain: +3dB	580Hz Q: 2.6 Gain: -3dB	270Hz Q: 2.2 Gain: +3dB	7.2 KHz Q: 2 Gain: +3dB	600Hz Q: 4 Gain: -6dB	540Hz Q: 5 Gain: -6dB	230Hz Q: 5 Gain: +3dB
PEQ2	1.2KHz Q: 5 Gain: -3dB	540Hz Q: 5.5 Gain: -4dB	2.3KHz Q: 5.5 Gain: -3dB	540Hz Q: 5.5 Gain: -4dB	8 KHz Q: 9 Gain: +2dB	2KHz Q: 1.5 Gain: -4dB	940Hz Q: 9 Gain: -3dB	250Hz Q: 5 Gain: +2dB
PEQ3	400 Hz Q: 6.5 Gain: -2dB	700Hz Q: 4 Gain: -3dB	9.4KHz Q: 3 Gain: +3dB	700Hz Q: 4 Gain: -3dB	12 KHz Q: 6 Gain: -3dB	2.5KHz Q: 6 Gain: -4dB	760Hz Q: 8 Gain: +3dB	164Hz Q: 5 Gain: +2dB
PEQ4	2.2 kHz Q: 6.5 Gain: -1dB	-	480Hz Q: 12 Gain: -2dB	-	3.7KHz Q: 7 Gain: -4dB	920Hz Q: 6 Gain: +2dB	1.12KHz Q: 7 Gain: -6dB-	450Hz Q: 4 Gain: -6dB
Delay	0	0	0	0	.833 ms	.146 ms	0	0
Output Gain	-4.5dB	0dB	+3dB	0dB	0dB	0dB	+1dB	0dB

	KPT-745-N (KPT-GRAND-HF-N, KPT-402-MF)	(KPT-305)	(KPT-415-LF)	KPT-745-N2 (KPT-305, KPT-402-MF, KPT-Grand HF-T, KPT-745/MCM N2 NETWORK)	(KPT-415-LF)
High/Low Pass Crossover	1.04KHz Linkwitz Riley 24dB highpass	340Hz Linkwitz Riley 24dB highpass	300Hz Linkwitz Riley 24dB lowpass	320Hz Linkwitz Riley 24dB highpass	300Hz Linkwitz Riley 24dB lowpass
	1.52KHz Linkwitz Riley 24dB lowpass				
PEQ1	1.48 KHz Q: 5 Gain: -4dB	540Hz Q: 5 Gain: -6dB	230Hz Q: 5 Gain +3dB	630Hz Q: 4 Gain: -3dB	230Hz Q: 5 Gain: +3dB
PEQ2	1KHz Q: 2.6 Gain: +3dB	940Hz Q: 9 Gain: -3dB	250Hz Q: 5 Gain: +2dB	5KHz Q: 2 Gain: +3dB	250Hz Q: 5 Gain: +2dB
PEQ3	7.4KHz Q: 1.5 Gain: +2dB	760Hz Q: 8 Gain: +3dB	164 Hz Q: 5 Gain: +2dB	2.4KHz Q: 6.5 Gain -2dB	164Hz Q: 5 Gain: +2dB
PEQ4	2.6KHz Q: 7 Gain: -3dB-	1.2KHz Q: 7 Gain: -6dB	450Hz Q: 4 Gain: -6dB	12.4KHz Q: 4 Gain: -4dB	450HZ Q: 4 Gain: -6dB
Delay	0	0	0	0	0
Output Gain	+3dB	+1dB	0dB	+2dB	0dB

GUIDE ON USING KLIPSCH CINEMA SYSTEMS BASED ON SEATING

100 SEATS (Approximately 1000 ft² or 93 m²)

Good – KPT-310, CA-800-T, KPT-418
Better – KPT-902, CA-800-T, KPT-418
Best – KPT-325, CA-800-T, KPT-418

125 SEATS (Approximately 1400 ft² or 130 m²)

Good – KPT-902, CA-800-T, KPT-418
Better – KPT-325, CA-800-T, KPT-418
Best – KPT-335, KPT-8001, KPT-684

150 SEATS (Approximately 1800 ft² or 167 m²)

Good – KPT-325, CA-800-T, KPT-418 or KPT-684
Better – KPT-335, KPT-8001, KPT-684 or 2 KPT-884
Best – KPT-904, KPT-8001-T, 2 KPT-684 or 3 KPT-884

175 SEATS (Approximately 2250 ft² or 209 m²)

Good – KPT-335, KPT-8001-T, KPT-684 or 2 KPT-884
Better – KPT-904, KPT-8001-T, 2 KPT-684 or 3 KPT-884
Best – KPT-435, KPT-1201-T, 2 KPT-684 or 3 KPT-884

200 SEATS (Approximately 2800 ft² or 260 m²)

Good – KPT-904, KPT-8001-T, 2 KPT-684 or 3 KPT-884
Better – KPT-435, KPT-1201-T, 2 KPT-684 or 3 KPT-884
Best – KPT-942, KPT-1201-T, 2 KPT-684 or 3 KPT-884

250 SEATS (Approximately 3500 ft² or 325 m²)

Good – KPT-435, KPT-1201-T, 2 KPT-684 or 3 KPT-884
Better – KPT-942, KPT-1201-T, 2 KPT-684 or 3 KPT-884
Best – KPT-535, KPT-1201-T, 2 KPT-684 or 3 KPT-884

300 SEATS (Approximately 4250 ft² or 395 m²)

Good – KPT-942, KPT-1201-T, 2 KPT-684 or 4 KPT-884
Better – KPT-535, KPT-1201, 2 KPT-684 or 3 KPT-884
Best – KPT-942/4, KPT-1201-T, 3 KPT-684 or 4 KPT-884

350 SEATS (Approximately 5000 ft² or 465 m²)

Good – KPT-535, KPT-1201-T, 2 KPT-684 or 3 KPT-884
Better – KPT-942/4, KPT-1201-T, 3 KPT-684 or 4 KPT-884
Best – KPT-445, KPT-250, 4 KPT-684 or 6 KPT-884

400 SEATS (Approximately 6000 ft² or 557 m²)

Good – KPT-942/4, KPT-1201-T, 3 KPT-684 or 4 KPT-884
Better – KPT-445, KPT-250, 4 KPT-684 or 6 KPT-884
Best – KPT-535/4, KPT-250, 4 KPT-684 or 6 KPT-884

450 SEATS (Approximately 7000 ft² or 650 m²)

Good – KPT-445, KPT-250, 4 KPT-684 or 6 KPT-884
Better – KPT-535/4, KPT-250, 4 KPT-684 or 6 KPT-884
Best – KPT-745, KPT-250, 5 KPT-684 or 8 KPT-884

500 SEATS (Approximately 8000 ft² or 743 m²)

Good – KPT-535/4, KPT-250, 4 KPT-684 or 6 KPT-884
Better – KPT-745, KPT-250, 5 KPT-684 or 8 KPT-884
Best – KPT-MCM 4, KPT-250, 5 KPT-684 or 8 KPT-884

600 SEATS (Approximately 9000 ft² or 836 m²)

Better – KPT-745, KPT-250, 5 KPT-684 or 8 KPT-884
Best – KPT MCM 4, KPT-250, 5 KPT-684 or 8 KPT-884

The number of surrounds depends on the width and length of the auditorium. Usually on the sides, the first surround is placed 1.5 meters from the back wall. And then each surround is placed 3 meters from each other until last surround is within .25 of the length of the side.

On the back wall, the first surrounds are placed 1.5 meters from the side walls. And then each surround is placed 3 meters from each other until the surrounds meet in the middle. The distance between the last surrounds must be close to 3 meters.





Klipsch

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