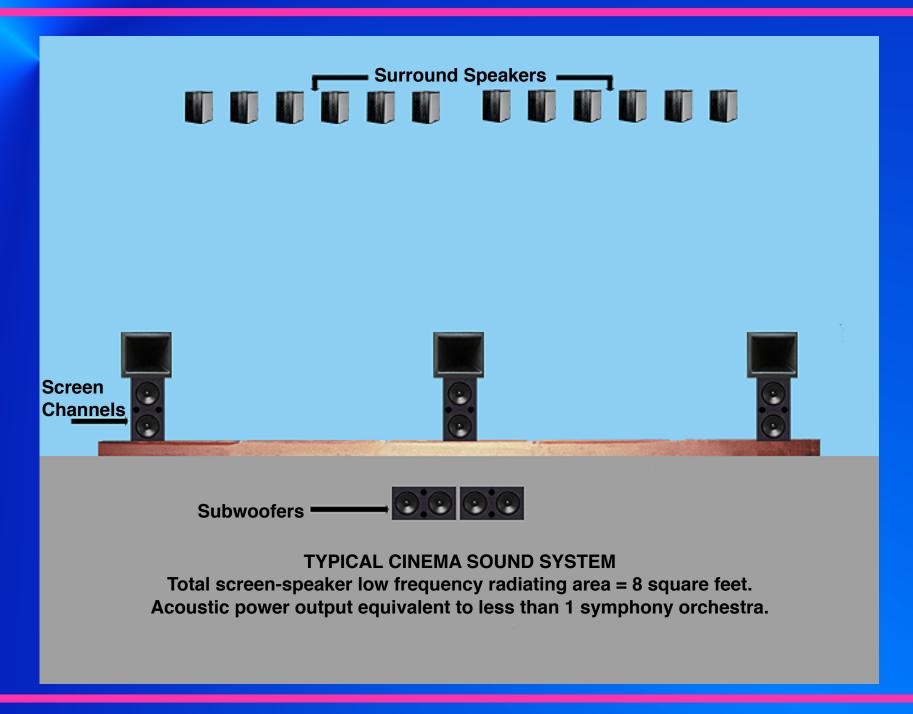
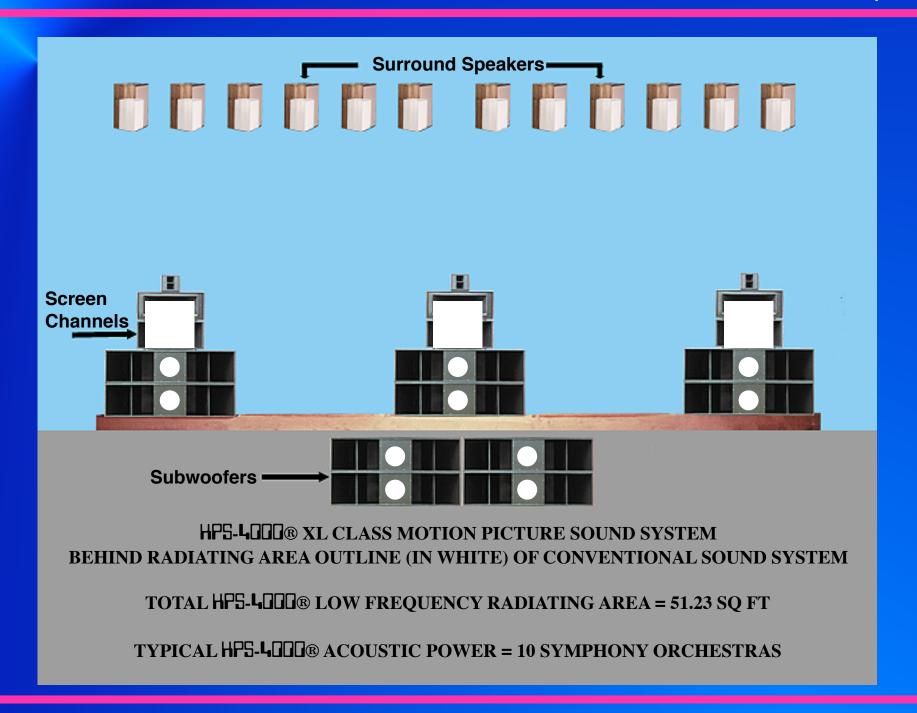


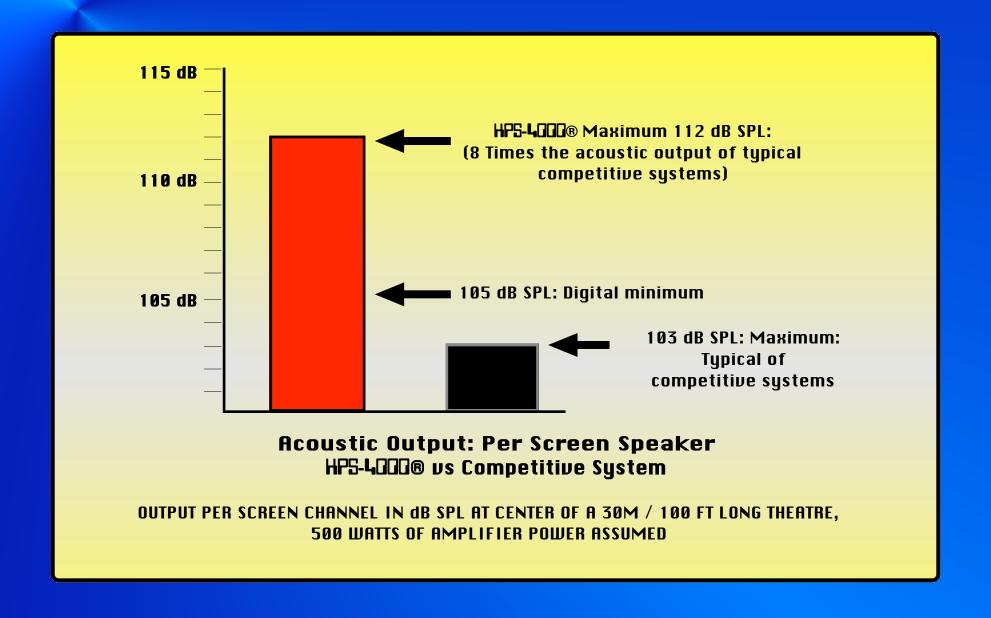
You Won't Believe What These Speakers Can Do

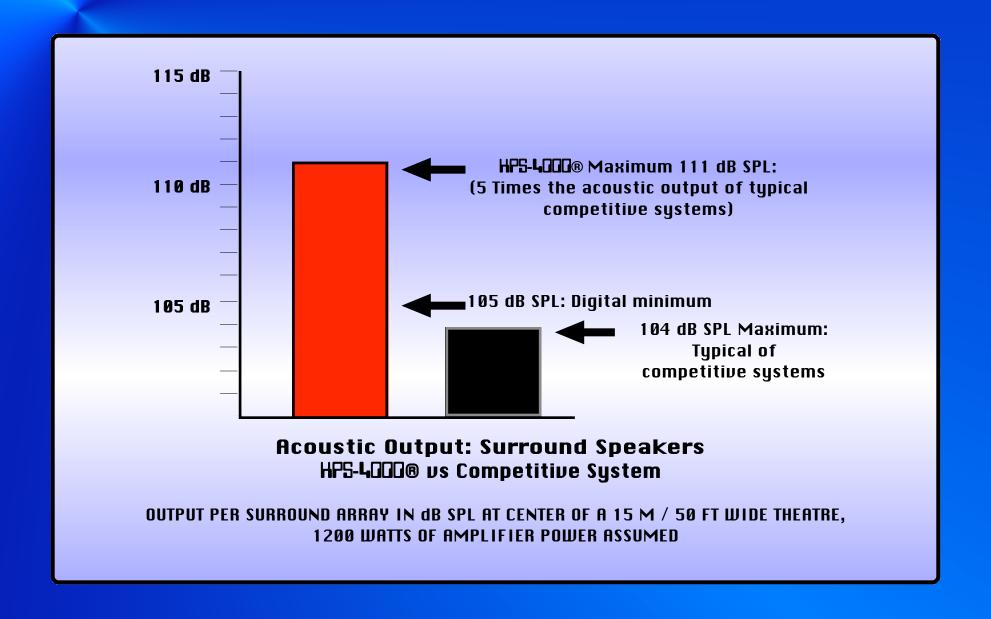
SOUND IS THE EXPERIENCE!™

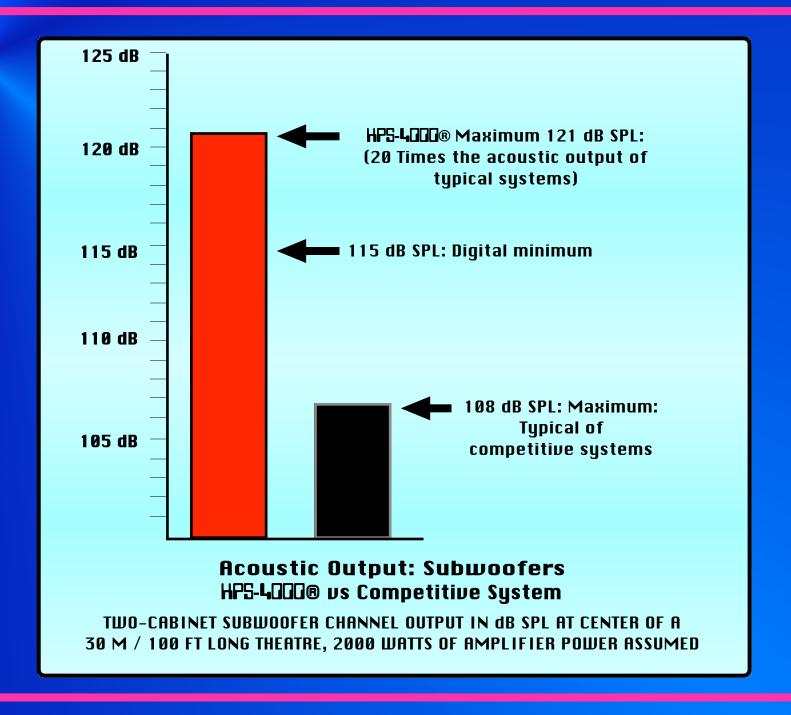




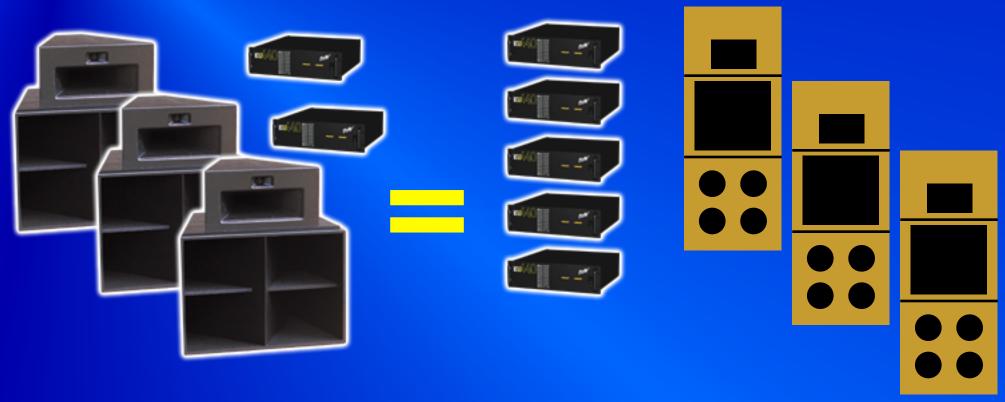








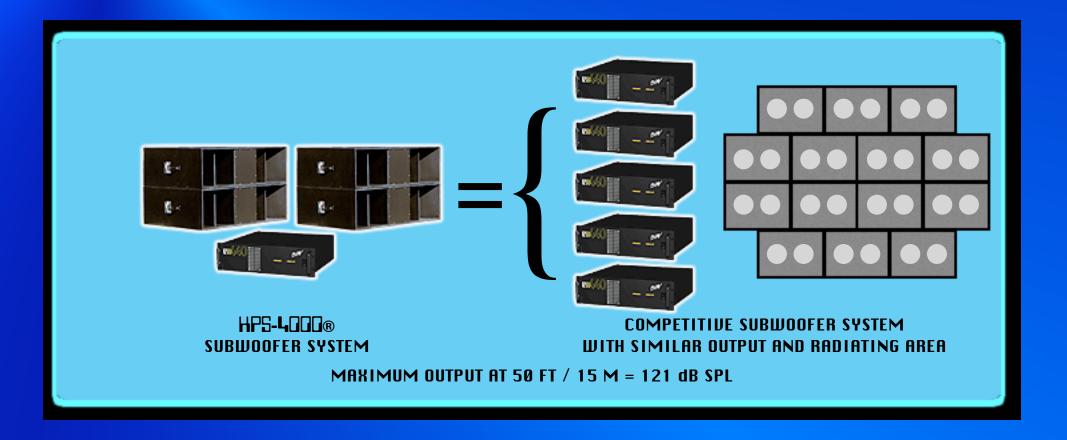
### Compare



Small HP5-4000® screen system

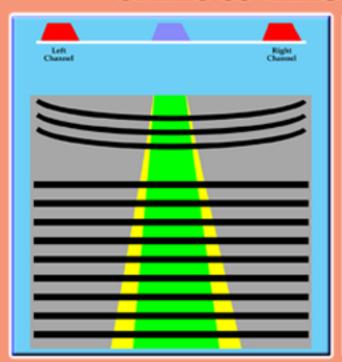
Largest competitive system equals output of small HP5-4000® system

Maximum output per channel at 35 ft 10.7 M = 112 dB SPL

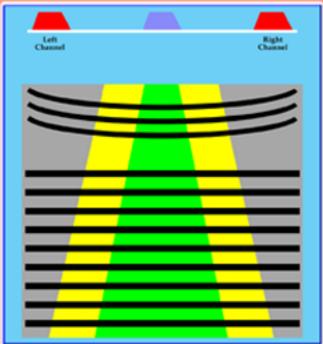


## THE BEST SEATS IN THE HOUSE ARE NO LONGER JUST IN THE MIDDLE!

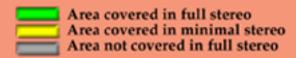
#### STEREO COVERAGE PROVIDED FROM LEFT AND RIGHT SPEAKERS

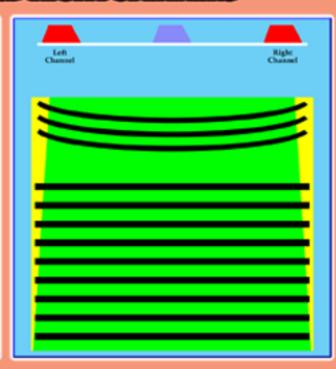


TYPICAL STEREO COVERAGE IN CONVENTIONAL THEATRES Too few seats hear full stereo.



TYPICAL STEREO COVERAGE IN HPS-4000® THEATRES Better than conventional theatres.

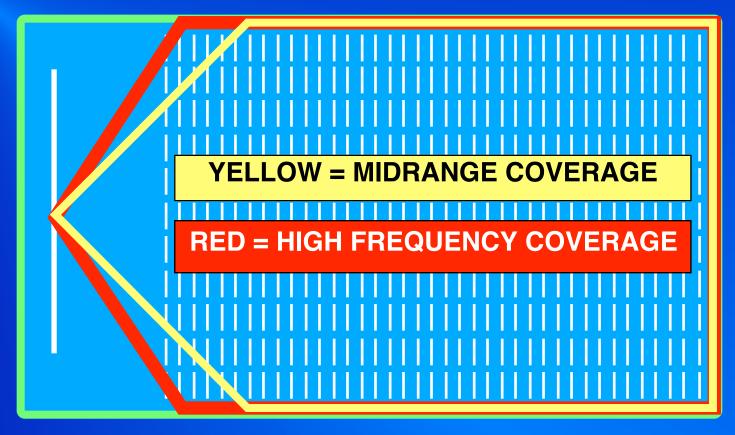




NEW HPS-4000®
MORE SEATS HEAR STEREOTM

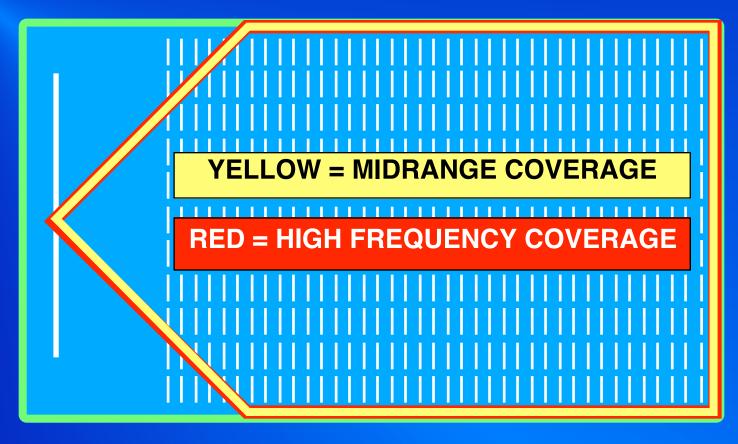






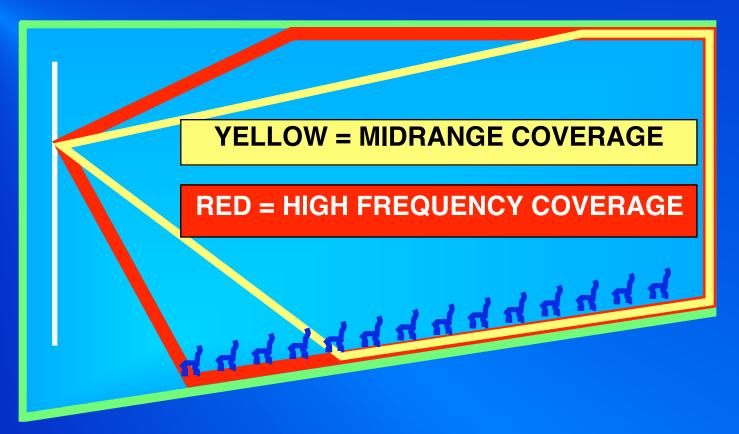
CONSTANT DIRECTIVITY HORN COVERAGE THROUGH A SCREEN. NOTE: NO CORRECTION FOR HIGH FREQUENCY BEAMWIDTH DISTORTION.





COVERAGE THROUGH A SCREEN WITH EXCLUSIVE HP5-4000® BEAMWIDTH CORRECTION

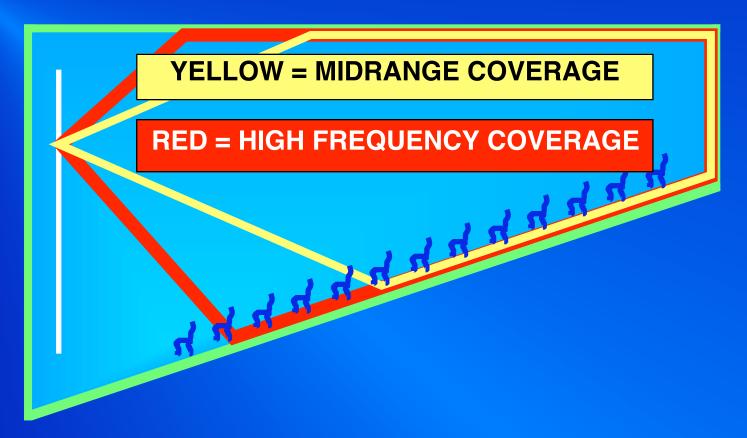




# VERTICAL COVERAGE THROUGH A SCREEN WITH CONSTANT DIRECTIVITY HORN. NOTE: EXCESSIVE HIGH FREQUENCIES IN FRONT ROWS

Vertical coverage in a non-stadium theatre. Note the excessive treble for the people in the front of the theatre.

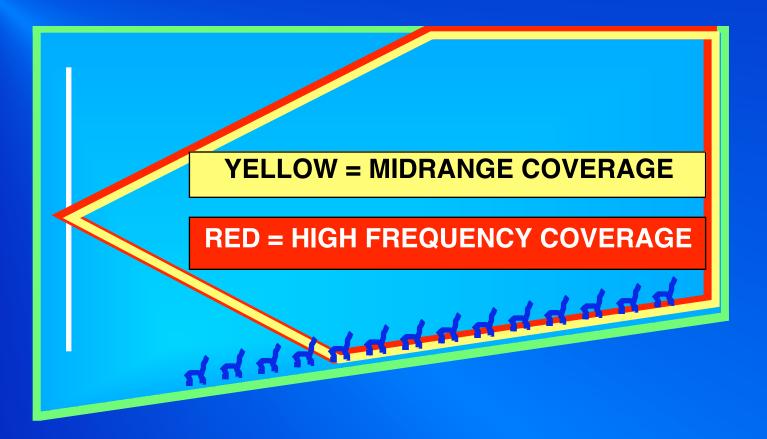




# VERTICAL COVERAGE THROUGH A SCREEN WITH CONSTANT DIRECTIVITY HORN. NOTE: EXCESSIVE HIGH FREQUENCIES IN FRONT ROWS

Vertical coverage in a stadium theatre. Note the excessive treble for the people in the front of the theatre.





### VERTICAL COVERAGE THROUGH A SCREEN WITH EXCLUSIVE HP5-4000® BEAMWIDTH CORRECTION

The HP5-4000® systems provide exceptionally uniform coverage.

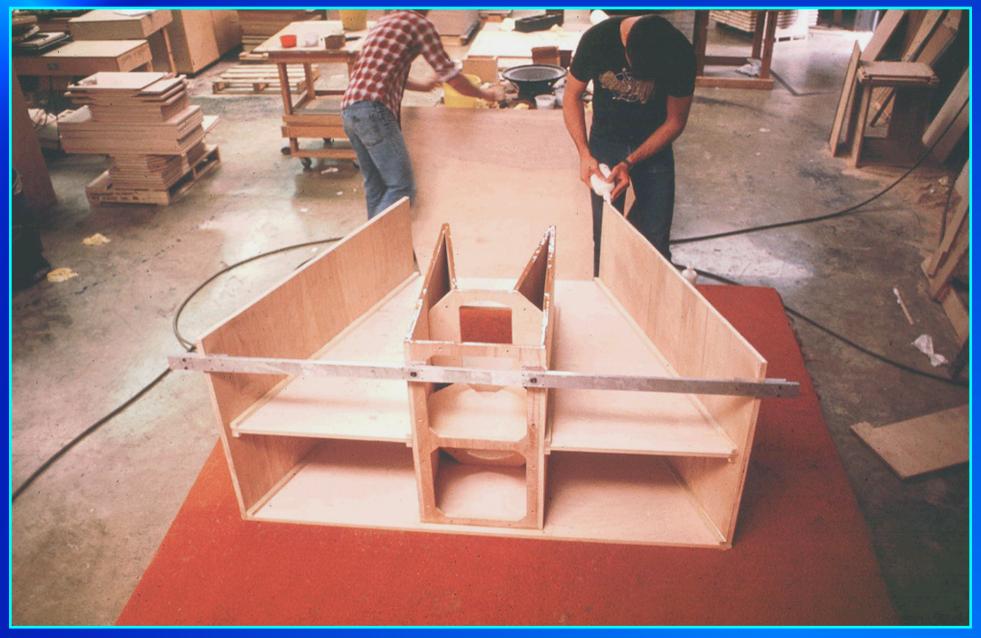


#### **COVERAGE DEVIATION**

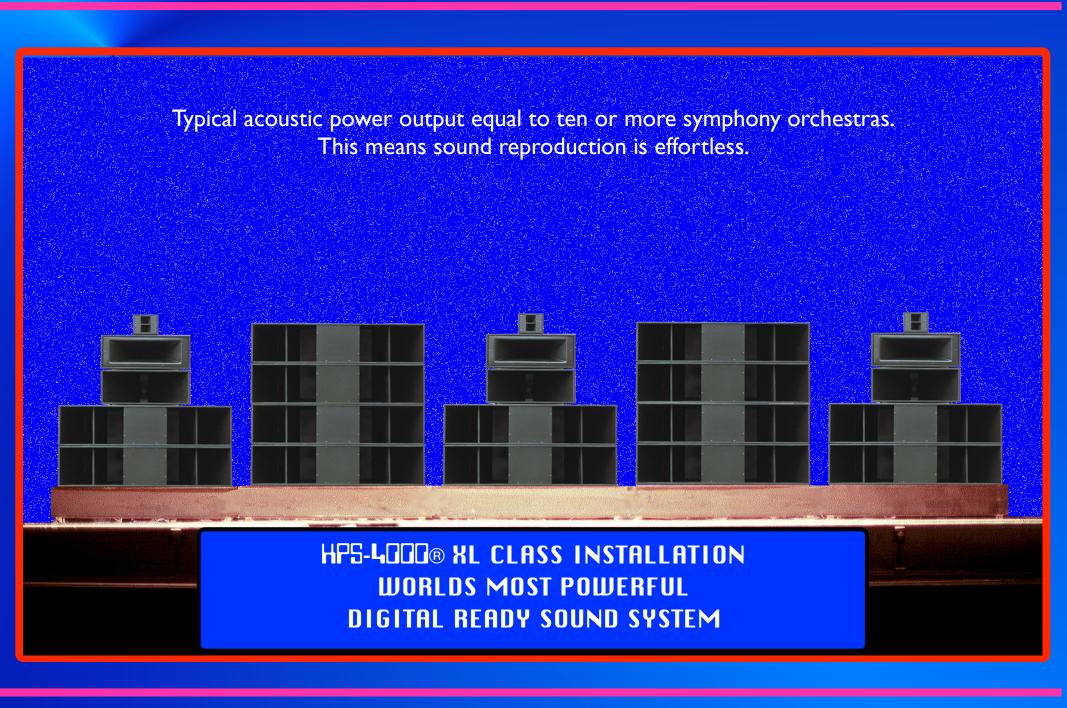
	TWO-WAY SYSTEMS		HP5-4000®
FREQUEN	ICY		
2,000 I	HZ	+10°	-5°
2,500 I	HZ	<b>0°</b>	<b>0°</b>
3,200 I	HZ	<b>0°</b>	<b>0°</b>
4,000 I	HZ	<b>0°</b>	<b>0°</b>
5,000 I	HZ	+10°	-2°
6,300 I	HZ	+10°	-5°
8,000 I	HZ	+20°	<b>0°</b>
10,000 I	HZ	+25°	-2°
12,500 l		+25°	-2°
16,000 I	HZ	-25°	-2°

This chart shows the amazingly small coverage angle distortion (+0° - 5°) caused by a movie screen when employing HP5-4000® loudspeakers versus a typical two-way "constant directivity" horn type system (±25°).

HPS-4000®



HP5-4000® fully horn loaded woofer under construction.





### Actual competitor's surround placement formulas

### Side Wall Surround Speakers

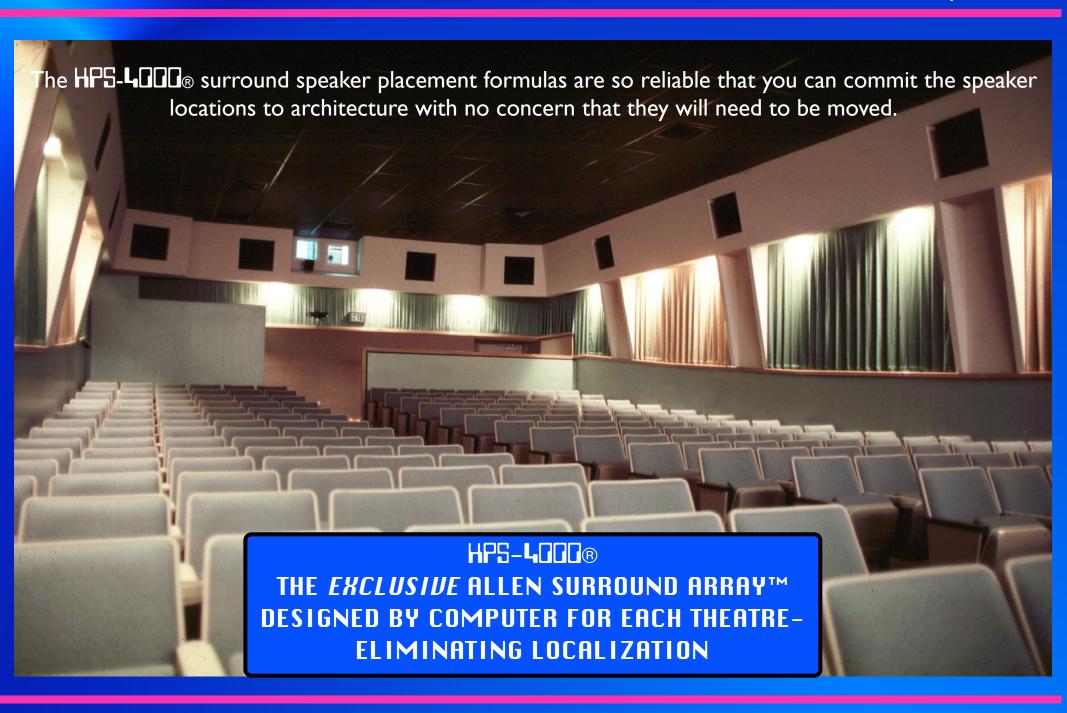
L = Distance from screen to rear wall in feet

Rear Wall Surround Speakers

This approach places surround speakers at every ten feet no matter the theatre's size or shape. This makes no sense whatsoever, but is typical practice in cinemas.

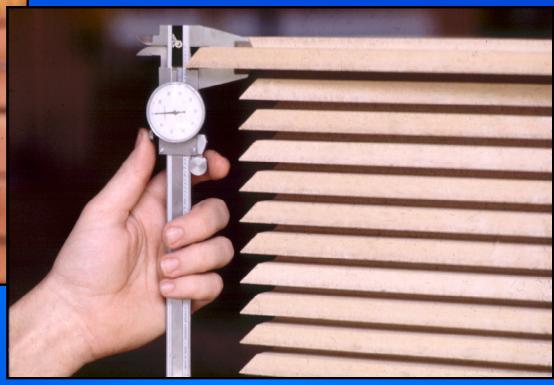


	FRAMINGHAM ASA DATA (DB)	FRAMINGHAM ASA DATA (DB)
	HP5-4000® ASA DATA	HP5-4000® ASA DATA
Records: 13 Unsorted	GCC FRAMINGHAM 5	GCC FRAMINGHAM 4
	CEILING HEIGHT 19.5	CEILING HEIGHT 17.5
	DELTA H 5	DELTA H 3.5
	TOTAL DISTANCE 88	TOTAL DISTANCE 65
	SEATS DIST 71.3	SEATS DIST 51
	WIDTH 50	WIDTH 33
	REAR AISLE	REAR AISLE
	LOW CEILING HEIGHT 13.5	LOW CEILING HEIGHT 10.1
	NORMAL (SIDE) HEIGHT 13.5	NORMAL (SIDE) HEIGHT 10.1
	NUMBER OF REARS 2	NUMBER OF REARS 2
	REARS SPACING 16.7	REARS SPACING 11.0
	CORNER ANGLE 19.3	CORNER ANGLE 17.9
	REAR TILT 11.9	REAR TILT 11.2
	SIDE TILT 11.3	SIDE TILT 11.3
	I ST SIDE PAIR 9.5	I ST SIDE PAIR 6.3
	2 ND SIDE PAIR 28.6	2 ND SIDE PAIR 18.8
	3 RD SIDE PAIR 47.6	3 RD SIDE PAIR 31.4
	TOTAL SURROUNDS / REARS	TOTAL SURROUNDS / REARS
	10V0	10V0
	IUXZ	IUXZ

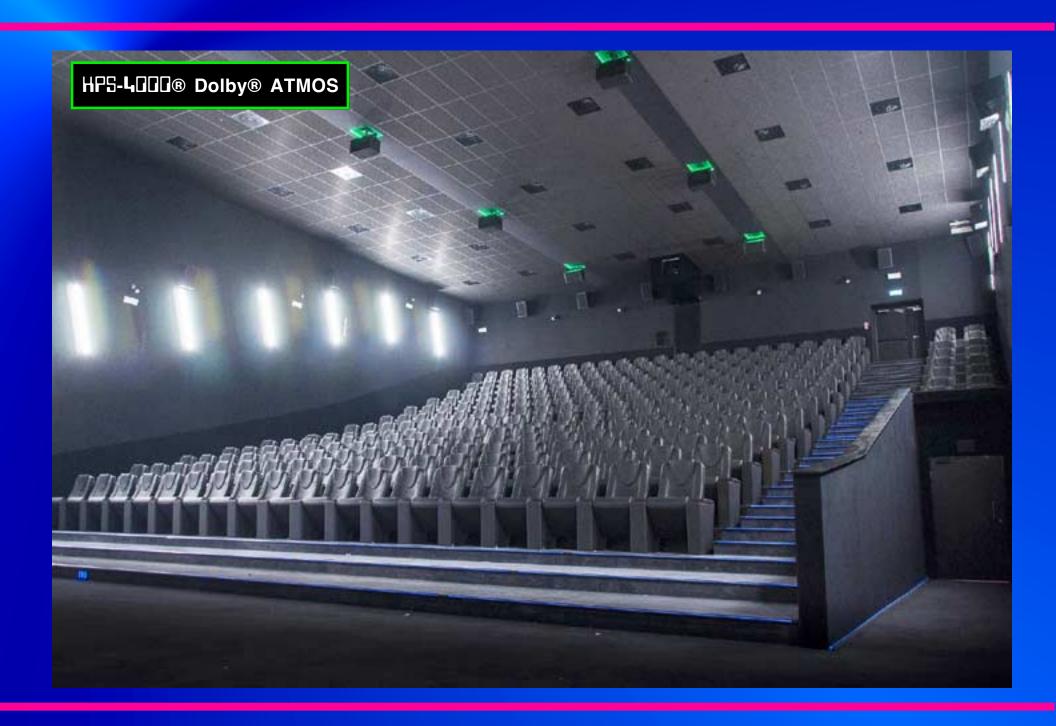


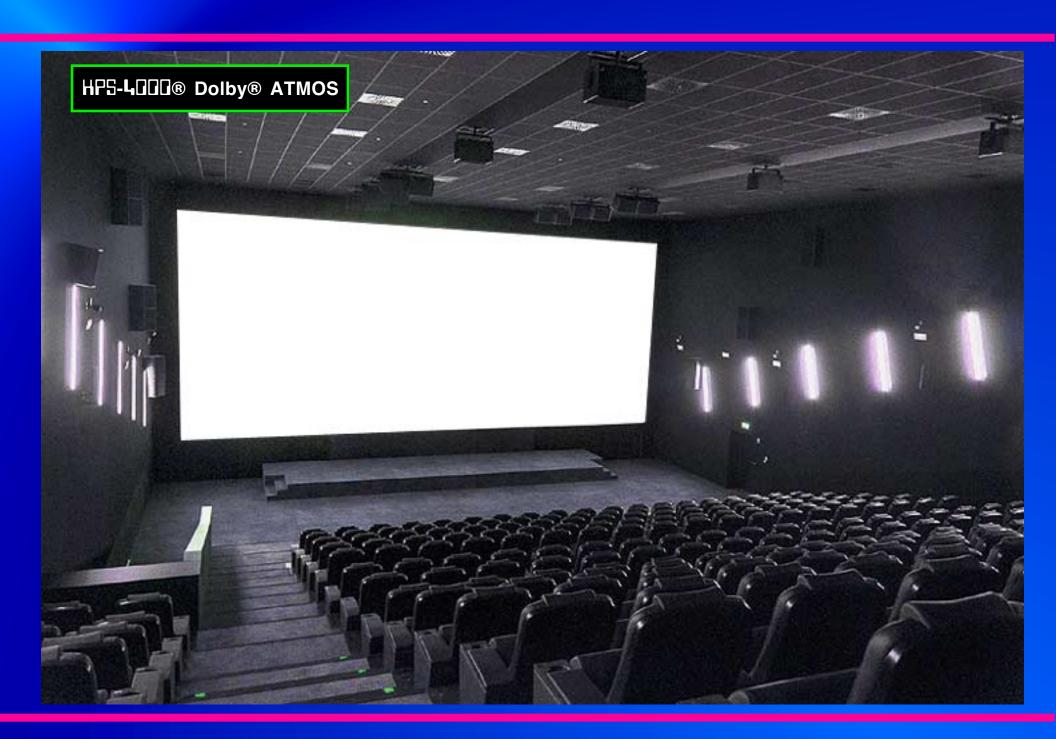


ALL HP5-4000® LOUDSPEAKERS ARE BUILT BY HAND-

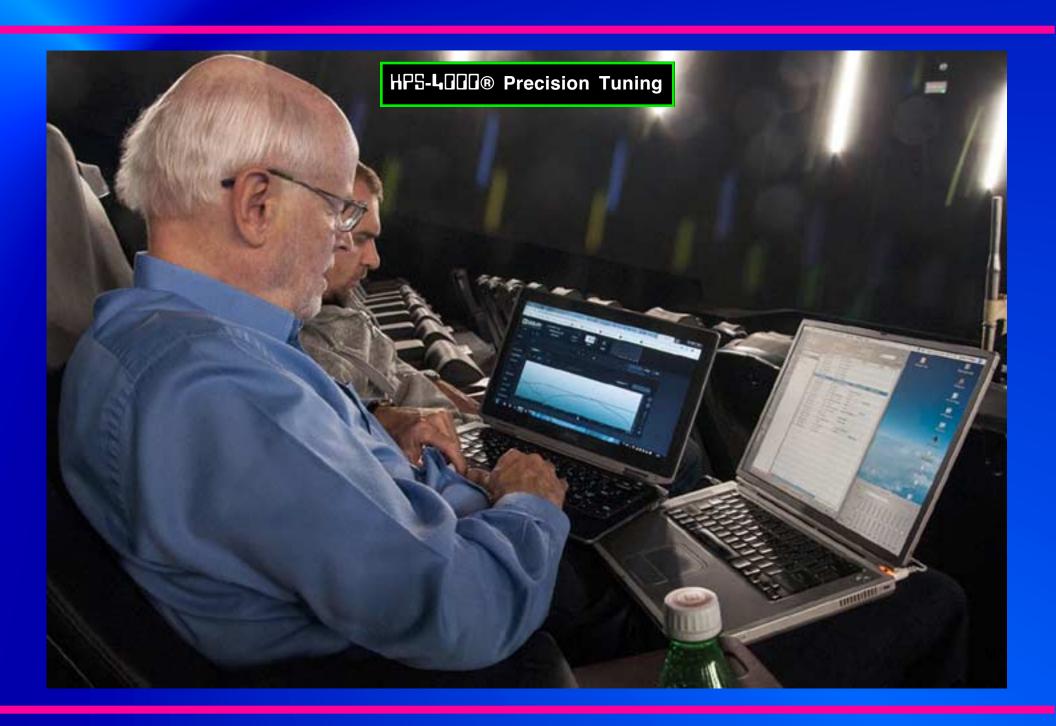


TO THE HIGHEST STANDARDS

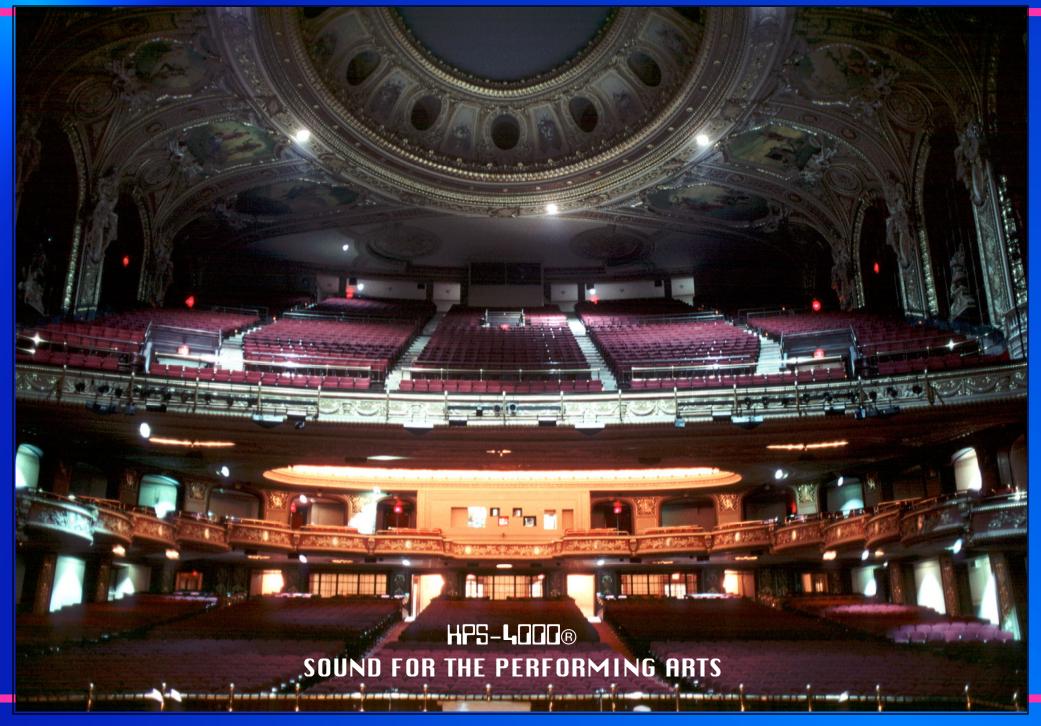








HP5-4000®











For your consideration: With HP5-4000® sound systems exhibitors can be assured of such accurate calibration that properly recorded films will play at their correct levels when the faders are set to "7."

The image above shows 12 HP5-4000® sound systems with Datasat AP-20 processors all playing features at the industry standard fader setting without audience complaints.

Lower fader settings found in other sound systems not only indicate poor calibration, but reduced sound quality as well.



SOUND IS THE EXPERIENCE!™