



HIGH PERFORMANCE STEREO™ 555 Digital-Ready Motion Picture Loudspeaker

A compact digital-ready motion picture loudspeaker!



**555
3-WAY SYSTEM**



The HPS® 555 series represents the highest level of achievement in compact loudspeaker design ever offered for the cinema. Built by hand exclusively for High Performance Stereo™, the 555 is a 3-way fully horn loaded speaker system. The 555 is so efficient, so well conceived and so well matched, that no bi-amplification is required, saving thousands of dollars in the total sound system cost. One half of a stereo amplifier and a 555 is all that's required to deliver a full four times the acoustic power demanded by today's digital soundtracks in theatres up to 70 feet long. No other cinema loudspeaker of this efficient size and low cost can offer this level of quality, reliability and performance.

Though only 2 feet deep, this compact system still provides a one watt, one meter sensitivity of 106 dB, four times the acoustic output per watt and far less distortion when compared to typical 2-way theatre speakers.

The woofer section of the 555 speaker system (model 555-LF) is one of the smoothest, most compact high-efficiency low frequency speakers available in the world. The tone of this compact woofer provides a perfect

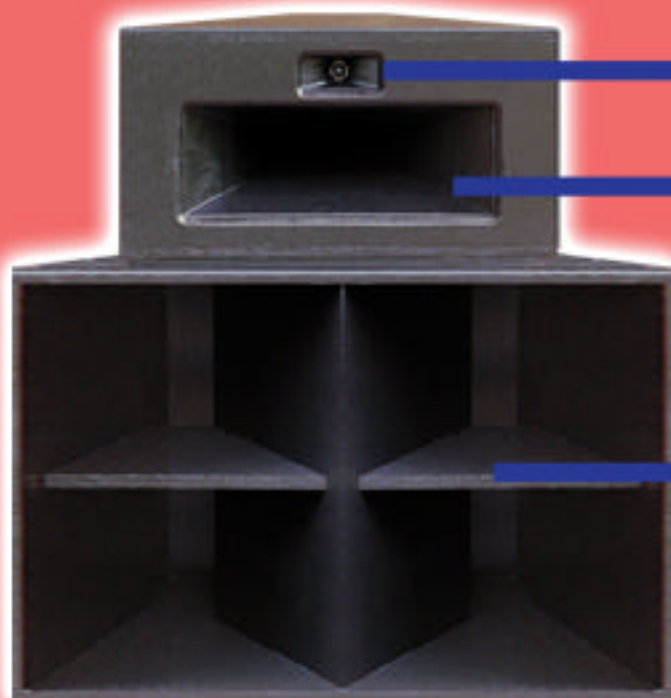
blend with the HPS-4000® 545-W and 545-W.5 subwoofer systems.

The woofer section of the 555 uses a specially designed, highly reliable 15 inch woofer driver mated to a folded exponential horn featuring a newly updated design. The radiating area of just ONE of these woofer systems is over 3.7 times greater than screen speakers in a typical competitive theatre sound system.

The 555 uses the same high frequency drivers found on our large 545 series. The 555 midrange section consists of a 2 foot long self-equalized exponential horn, driven by a compression driver. The driver's phenolic diaphragm material is not only virtually indestructible, it is also the most natural sounding diaphragm material ever developed. Not one has ever failed.

The 555 tweeter delivers the highest frequencies throughout the theatre with a transparent clarity and detail not possible with 2-way systems. The tweeter is constructed much like the 555 midrange, thus delivering the same unmistakable HPS-4000® clarity in the highest frequencies.

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High performance tweeter maintains proper coverage through a movie screen • Delivers transparent clarity and uniform coverage.

Self-equalized midrange horn
 • Behind-the-screen reflections eliminated • Natural sounding highly durable phenolic driver diaphragm provides smooth response and perfect dialogue intelligibility • Built-in crossover
 • HF cabinet available in square or trapezoid configuration.

Highly efficient compact motion picture woofer system • Nearly 6 square feet of low frequency radiating area • Modular construction for easier handling
 • Specially manufactured HPS® 15 inch driver • Improved throat design • Minimized cabinet resonances • Output matched to the high frequency sections, eliminating the need for bi-amplification.

SPECIFICATIONS:

Sensitivity, 1W / 1 M	106 dB
Peak Power Capacity	>750 Watts
Frequency Response, 40 - 16000 Hz	±2.5 dB
Minimum Impedance	5 Ohms
Nominal Beamwidth	60° H x 40° V*
*Movie Screen Compensation	Included
Input connection	Heavy Duty Terminal Block

DIMENSIONS:

Height	37" (93.98 cm)
Width (front of LF)	36.5" (92.71 cm)
Width (rear LF & front HF)	24" (60.96 cm)
Width (rear HF)	6.5" (16.59 cm)
Depth	24" (60.96 cm)
Weight	Total 136 LBS. (61.67 kg)
	LF 96 LBS. (45.43 kg)
	HF Max. 40 LBS. (18.41 kg)

HIGH PERFORMANCE STEREO™

NEWTON, MA 02459 USA • TEL: 1-617-244-1737 • E-MAIL: info@hps4000.com

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