06 FEBRUARY 2013

NEW PRODUCT INFORMATION
SPENDOR D7 LOUDSPEAKER

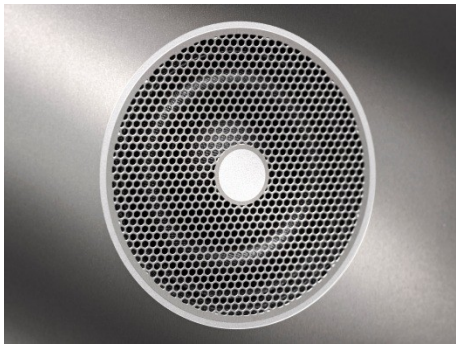
The Spendor D7 is an elegant, modern, medium-size, 2.5 way, floor-standing loudspeaker. The D7 delivers music with a fresh vibrant realism that conventional loudspeakers cannot match. This new level of performance is the direct result of important Spendor innovations.

Spendor LPZ (Linear Pressure Zone) tweeter

The goal of every tweeter designer is to achieve linear acoustic output across a wide frequency range, in practice this is extremely difficult. Spendor's approach to this age-old challenge is radical, and it works. The Spendor LPZ tweeter is built around a stainless steel front plate that forms a damped acoustic chamber directly in front of a lightweight woven polyamide diaphragm. The front plate incorporates a phase correcting micro foil to equalise sound wave path lengths across the diaphragm surface, simultaneously it generates a

symmetrical pressure environment on both faces of the tweeter diaphragm so the tweeter operates in a balanced linear mode.

Imagine focussing an ultra-high quality camera lens until you see a clear bright image. That's the effect of LPZ technology. Our sequential geometry micro-foil operates as an acoustic lens. The result is perfect focus, uninhibited sound transmission and a very wide listening window. The front plate also provides excellent mechanical protection for the delicate tweeter dome and a smart modern appearance.



Spendor 18cm drive units developed for D7

The D7 mid-bass drive unit has an advanced EP77 polymer cone for superb clarity and vanishingly low colouration. The D7 low frequency drive unit has an ultra-rigid two part bonded Kevlar composite cone assembly for accurate powerful low frequency response. Both drivers feature cast magnesium alloy chassis, high efficiency motor systems, optimised electro-dynamic damping, and excellent thermal dissipation for wide dynamic range. A new polymer surround reduces driver 'break-in' time significantly due to the very stable molecular composition of the material.

Fifth generation Spendor Linear flow port technology.

The benefits of Spendor Linear Flow port technology have been well proven in the Spendor A-line. They deliver deep articulate bass with natural timing, even in small rooms or close to a wall. Our new fifth generation Spendor Linear flow port incorporates an aerodynamically profiled central baffle (like an aircraft wing) to create a tapered twin-venturi port. Air at the port extremities is decelerated and there is a further reduction in air velocity in the large tapered area at the cabinet base. The result is evenly balanced acoustic pressure and air-flow along the whole length of the port. Rapidly decreasing air velocity at the port extremities creates an air-curtain effect to eliminate port noise and spurious mid-band radiation.

Conventional loudspeakers incorporate low frequency enclosure damping. The damping material stores energy. As the stored energy is released it is no longer in-time with the music and it makes sound unnaturally heavy and slow. The sound path, within the D7 cabinet, from the bass drivers to the listening room, requires no low frequency damping. The Spendor D7 is entirely free from energy storage effects, the advantage is clearly audible, music sounds naturally fast, agile and coherent.

High quality terminals are recessed within the port aperture to hide plug and cable connections for neat appearance.

Spendor dynamic cabinet damping

Timing is fundamental to the musical experience. In conventional loudspeakers rigid high density cabinet panels are mass-damped to reduce cabinet-talk. Spurious energy is stored and released slowly. This introduces unacceptable blurring and slowing of the sound. Spendor's solution is asymmetric aperture bracing of the cabinet to disperse internal waves. Dynamic Damping with small low mass constrained polymer dampers at key energy interface points instantly convert any spurious energy in the cabinet into inaudible heat. The result is a silent rigid cabinet and naturally fast engaging sound.

High efficiency

90dB efficiency and an easy to drive 8 ohm load ensure complete compatibility with a wide range of amplifiers and cables. With substantial power handling the D7's can play very loud without sounding compressed. At low replay levels the sound is always clear and transparent.

Elegant modern design

The Spendor D7 looks as good as it sounds. Two premium finishes perfectly complement today's on-trend interiors. Spendor Dark, a diamond polished gloss lacquer over a dark natural wood, for an alluring modern look. Spendor White, a silky-smooth pure white lacquer, for a distinctive contemporary look.

Standard finishes are light oak, dark walnut, cherry and black ash. The plinth is satin black lacquer to complement all finishes.

All Spendor loudspeakers are designed and manufactured in the UK.

TECHNICAL SPECIFICATION

D7 loudspeaker

Description	2.5 way floor standing loudspeaker
Enclosure type	Rigid, asymmetric braced, vented cabinet with dynamic damping
Vent type	Fifth generation Spendor linear flow, tapered twin-venturi port
Input connection	Single pair recessed precision binding posts
Typical in-room response	29Hz - 25kHz
Power handling	200 watts unclipped programme
Sensitivity	90dB for 1 watt at 1 metre
Nominal impedance	8 ohms
HF driver	Spendor 22mm LPZ polyamide dome
Bass/mid driver	Spendor 18cm EP77 polymer cone
Lower bass driver	Spendor 18cm Kevlar© composite cone
Crossover frequencies	900Hz, 3.2kHz
Net Weight	21kg
Height	950mm (excluding spikes)
Width	Cabinet 192mm, plinth 204mm
Depth	Cabinet 320mm, plinth 344mm
Finishes	Premium: Spendor dark, Spendor white Standard: cherry, light oak, black ash, dark walnut Plinth satin black
Accessories	Height adjustable spike feet, grille, non-slip polymer feet