FOR IMMEDIATE RELEASE

JBL’s Synthesis® Project Array® home theatre system really does deliver sound ‘as the director intended’.

JBL’s Synthesis systems are designed to reproduce the reference pro-theatre audio response in any room.

From the moment it was coined by THX® to represent accurate multi-channel film sound, the expression ‘as the director intended’ has been abused by many a marketing department in an attempt to manufacture credibility for its products. There is however a standard of home theatre sound quality that is recognised by the directors themselves, to the extent that several famous names have installed it in their homes.

JBL has been designing and building theatre sound systems at its Los Angeles HQ since the days of the first talkies, and of all speaker makers has enjoyed the most intimate relationship with the professional film sound industry. In 1992 it created the first Synthesis® sound systems in order to endow the world’s elite home cinemas with reference film sound. Equipped with scores of accurate transducers, awesome reserves of amplification and sophisticated sound equalisation, Synthesis systems are fine-tuned for individual rooms by JBL factory-trained technicians so that the exact response present in Hollywood’s movie-sound production studios - just down the road from JBL’s HQ - can be replicated in the home.

In other words JBL’s Synthesis systems are designed, installed and calibrated to deliver from Blu-Ray and DVD, the genuine full-blooded wideband sound that the film’s Director intended. Unlike the claims made for so many home theatre products, JBL’s are not exaggerated.

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Powered by over 3,000 watts and custom-tuned to individual rooms up to 9,000 cubic feet, the JBL Synthesis Project Array home theatre system will reproduce film sound with the accuracy, scale and dynamism of a professional sound stage.

Exposed vertical constant-directivity horns, designed for improved sonic accuracy at high listening levels, have long been a staple of JBL installations in concert venues around the world. The Synthesis Project Array system brings the concept home for the first time, with truly impressive results.

Two, three-way floor-standing 1400 Array loudspeakers flank a three-way 880 Array centre channel speaker, supported by two 15-inch, 1,000-watt 1500 Array powered subwoofers and four S4Ai in-wall multi-pole surround speakers. The three front Array speakers share identical mid/HF and UHF driver/horn assemblies to ensure a seamless transition of sound and guarantee tonal accuracy across the soundstage. Their extraordinarily fast and dynamic mid to high frequency performance is augmented by a 14” Aquaplas treated bass driver in each of the 1400 Array speakers, and by dual 8” bass drivers in the 880 centre channel speaker.

All deep bass and LFE audio is provided by two Synthesis® 1500 Array active subwoofers, each unit housing a 15” sub bass driver powered by a 1000 watt amplifier.

For side and rear channel duties four S4AI vertical/horizontal multi-polar flush-mounted THX® certified surround loudspeakers are employed. A low profile cabinet design and flush mount grille allow each speaker to be mounted discreetly either on or inside a wall.

Electronics include the SDP-5 processor/controller, SDEC-3000 digital equalizer and S7160 7-channel amplifier.

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Each Synthesis Project Array system is calibrated on site precisely to match room acoustics. The procedure involves the use of eight separate microphones to measure different locations in a room, and applies proprietary digital-signal processing to analyse and correct for the room’s frequency dips and peaks, all at a 96kHz sample rate and with 24 bit resolution. Additional functions include crossover optimization between the main speakers and the subwoofers, loudspeaker-level calibration, and a newly developed sound field management algorithm that minimizes the seat-to-seat variation in bass response to a far more effective degree than other hardware and software solutions.

**JBL’s Synthesis® Project Array® systems are available in the UK now.**

Approximate price (inc VAT) £45,000


**About JBL**

Founded in the 1930s by James B Lansing, this LA-based pan-global loudspeaker designer and manufacturer has had a hand in many of the major developments and events in broadcast sound since the dawn of talking pictures. The first cinema sound systems carried the name; Woodstock listened through JBLs; classic studio monitors like the L100 'Century' (4310) played midwife to many of the most memorable recordings of 1970s. In 1989 JBLs were installed at the HQ of The Directors Guild of America. In 1992 JBL created the first elite Synthesis® sound systems for custom installation. The new Synthesis systems and JBL’s esoteric 'Project' hi-fi speakers represent the experience and innovation of seven decades. [www.jblsynthesis.com](http://www.jblsynthesis.com)