HARMAN’s JBL Synthesis To Demonstrate Dolby Atmos™ Home Theater at CEDIA 2014

DENVER, Colorado – At CEDIA 2014, HARMAN’s Luxury Audio Group will demonstrate an ultrahigh-end JBL Synthesis Dolby Atmos Digital Cinema home theater system that will bring a true Dolby Atmos commercial cinema experience right to the CEDIA show floor. The system will include no less than 39 JBL Synthesis loudspeakers and subwoofers and more than 19,000 watts of amplifier power.

The system will also showcase the new SDA-8300 and SDA-4600 multichannel network amplifiers, the flagship M2 Master Reference Monitor loudspeakers and other ultimate-performance audio/video components.

The JBL Synthesis system will be on exhibit at CEDIA 2014 at the Colorado Convention Center, Denver, CO, Booth 176 (September 11–13, 2014). The purpose-built 19- by 28-foot home theater room will feature the SDA-8300 and SDA-4600 amps, SDP-45 surround processor/system controller and SDEC-4500 equalizer. Three of JBL Synthesis’ flagship M2 Master Reference Monitor loudspeakers will be set up as the main left, center and right channels, complemented by 28 SCS8 Spatially Cued Surround speakers (12 overhead and 16 surround) and eight S2S-EX 15-inch subwoofers. The system will be calibrated using the new ARCOS v2.7 Adaptive Room Correction and Optimization System.

The system will employ a multichannel speaker configuration capable of delivering overhead-channel reproduction from Dolby Atmos™-encoded source material. It will employ the identical professional-grade Dolby Atmos components used in movie theaters in a Digital Cinema configuration, including the Dolby CP850 Atmos Cinema Processor and DSS220 Integrated Media Block and Screen Server. Additional components will include a Digital Projection (DPI) Digital Cinema projector, Screen Research 17-foot-wide woven screen and HARMAN AMX automation technology for integrated system control.

“CEDIA attendees look to JBL Synthesis to demonstrate the ultimate in what’s achievable in custom-installation home theater, and this year will be better than ever,” said Jim Garrett, Director of Marketing and Product Management, HARMAN Luxury Audio. “JBL has always set the standard for commercial cinema sound and brought those standards into the home, and this year that cross-pollination will be more apparent than ever thanks to our Dolby Atmos Digital Cinema theater, which takes home theater sound to an entirely new level – and by a wide margin.”

Following are highlights of the JBL Synthesis system to be demonstrated at CEDIA 2014:

Making their debut at CEDIA 2014, the eight-channel SDA-8300 and four-channel SDA-4600 offer Ethernet networking capability with networked digital audio and control connectivity to other JBL Synthesis components and AMX automation. Both amps employ HARMAN’s exclusive DriveCore amplifier technology that enables installation-friendly smaller size and weight and much more energy-efficient operation. The SDA-8300 and SDA-4600 deliver 300W and 600W into 8 ohms, respectively and offer comprehensive DSP capabilities such as built-in crossovers, input and output EQ and additional features that enable the amps to be perfectly tailored to any installation and room.

The newly upgraded ARCOS v2.7 hardware and software package offers a host of performance and functionality enhancements to deliver better accuracy and flexibility in setting up a JBL Synthesis multichannel audio system. ARCOS v2.7 utilizes proprietary HARMAN-developed measurement and analysis techniques and DSP algorithms to compensate for the frequency-response irregularities inherent in every room. ARCOS v2.7 provides additional sonic optimization including updated Sound Field Management (SFM) for tighter control of seat-to-seat variation, improved AutoEQ with more than 200 bands of parametric digital equalization, better and more precise blending between the main speakers and the subwoofers, overhead-channel calibration capability, expanded system networking options and much more.

The JBL M2 Master Reference Monitor truly brings studio monitor audio quality into the home. The M2 is used as a reference loudspeaker in professional recording studios – and is available for home listening as part of a JBL Synthesis system. Thanks to the M2, listeners can enjoy the very same speaker a movie or album was mixed and produced on and hear movies and music exactly the way the creators and producers intended with astonishing presence, scale, dynamic impact, resolution and spatial realism.

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The S2S-EX subwoofer is designed to deliver authoritative, articulate bass in custom-installation home theater and music systems. The S2S-EX employs a high-excursion 15-inch woofer with a 4-inch copper edge-wound voice coil, a pulp-cone driver with rubber surround and a massive ferrite motor assembly to provide remarkably clear and powerful bass response. The S2S-EX enclosure features front-firing bass ports for greater output and deeper low-frequency extension. The S2S-EX can be installed either freestanding or built-in, and oriented horizontally or vertically.

HARMAN (www.harman.com) designs, manufactures and markets premier audio, visual, infotainment and integrated control solutions for the automotive, consumer and professional markets. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon® and Mark Levinson®, the Company is admired by audiophiles, musicians and the entertainment venues where they perform. More than 25 million automobiles on the road today are equipped with HARMAN audio and infotainment systems. HARMAN has a workforce of approximately 16,000 people across the Americas, Europe, and Asia and reported sales of $5.3 billion for the twelve months ended June 30, 2014.

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