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## NEWS RELEASE

FOR IMMEDIATE RELEASE

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### **GLASS CACTUS GETS SMOOTH SOUND FROM WJHW, CLAIR BROS. SYSTEMS AND JBL VERTEC® LINE ARRAYS**

NORTHRIDGE, CALIFORNIA, February 21, 2007 — Reinforcing the interoperability of JBL Professional loudspeakers across product lines, Clair Brothers Systems recently installed a WJHW-designed audio system at the new Glass Cactus nightclub in Grapevine, TX. The system includes JBL VERTEC® line arrays, AE Series loudspeakers and Control 29AV speakers.

Built on the grounds of the Gaylord Texan Resort and Convention Center in Lake Grapevine, the \$16 million Glass Cactus covers a total of 39,000 square feet and accommodates approximately 1,500 people. The state-of-the-art sound stage features musical acts ranging from country to blues to rock. The Glass Cactus regularly showcases local talent, while top-named national acts also perform routinely.

True to its name, the eye-catching design of the Glass Cactus includes an abundance of glass surfaces. While these make for an aesthetically pleasing environment, they pose a challenge from an acoustic standpoint. “The west wall is covered in glass and stone, so dealing with the hard surfaces was a major challenge,” said Mike Mason, Project Manager, Clair Brothers.

To counteract the hard surfaces (including the hardwood and concrete floors), leading design firm WJHW performed extensive computer modeling to balance the presence of the natural finishes with the concealed acoustical treatment. Because of the dimensions of the Glass Cactus, a line array system was a natural choice. “The seating area is rectangular, longer than it is wide, so we didn’t have a lot of wide angles to address,” Mason added. “Line arrays are a popular solution for these types of settings.”

On each side of the stage, Clair Bros. installed a JBL VERTEC array containing six VT4888 midsize and three VT4887 compact line array elements per side. Six JBL ASB6128V subwoofers were placed underneath the stage for low-frequency reinforcement, while JBL AM6212 loudspeakers were installed to provide delay fills for the large first floor/under balcony area. Additionally, 15 JBL Control 29AV-1 loudspeakers are situated in the outdoor patio area of the club.

According to Mason, the JBL VERTEC line arrays have performed beyond expectations. “The VERTEC system has met every demand we have placed on it to date,” he said. “We were able to quickly tune the system and the sound has proven to be very reliable.”

**About JBL Professional:**

Headquartered in Northridge, California, JBL Professional is the world’s leading designer, manufacturer, and marketer of professional loudspeakers for recording and broadcast, musician, cinema, touring sound, commercial sound and contracting applications. JBL Professional is the proud recipient of the 2005 Technical GRAMMY® award. JBL Professional is part of the Harman International network of professional and consumer audio companies. For complete product and company information, go to the JBL Professional website at [www.jblpro.com](http://www.jblpro.com).

**About the Harman Pro Group:**

The Harman Pro Group ([www.harmanpro.com](http://www.harmanpro.com)) is the world’s largest provider of professional audio products and system solutions for commercial sound, contracting, tour sound, recording and broadcast, musician, portable PA and cinema applications. The Group is headquartered in Northridge, California and includes industry leaders AKG Acoustics, BSS Audio, Crown International, dbx, DigiTech, JBL Professional, Lexicon, Soundcraft, and Studer. The Group is part of Harman International Industries, Incorporated (NYSE: HAR), a leading supplier of high-quality, high fidelity audio products and infotainment systems for the automotive, home and professional markets.

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