

CASE STUDY



CASINOS



OPPORTUNITY

To provide a vibrant experience for guests, MontBleu Resort Casino & Spa opted to replace its aging sound system with a modern, facility-wide distributed audio solution.



SOLUTION

XXXX Audio Systems upgraded the casino with an end-to-end HARMAN Professional networked audio system featuring state-of-the-art JBL Professional, Crown and BSS solutions.

MONTBLEU CASINO, NEVADA

MontBleu Resort Casino & Spa is a casino hotel in Stateline, Nevada owned by Bally's Corporation. Originally constructed in 1978 and known as Caesars Tahoe until 2006, the facility includes a 48,456 square-foot casino and 438-room hotel along with multiple restaurants and shops. In order to ensure world-class guest experiences with top-notch sound quality throughout all areas of the casino, MontBleu needed to upgrade its aging audio system. MontBleu hired XXXX Audio Systems to replace its existing sound system with a state-of-the-art HARMAN networked audio system consisting of JBL Professional, Crown and BSS solutions.

"Our overall goal was to create a vibrant sound experience for our guests from the minute they arrive to the time they're playing their favorite slot machine or table game," said Marimille Dacia, Director of Marketing, Entertainment and Retail, MontBleu Resort Casino & Spa. "The sound quality provided by the new HARMAN system is outstanding. The difference between it and the previous system is night and day. I noticed the drastic improvement immediately. The new system is also very user-friendly "you don't have to be an audio professional to make adjustments."

To deliver consistent coverage and full frequency response, XXXX Audio installed a total of 212 JBL Professional loudspeakers throughout the facility, including JBL Control 45C/T ceiling-tile loudspeakers and Control 40CS/T in-ceiling subwoofers for the casino's main floor. The Control 45C/T's wide 120-degree dispersion pattern and patented Radiation Boundary Integrator technology makes it easy to provide consistent, full-range coverage with fewer speakers, reducing the cost of the installed system without sacrificing performance.

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“We selected the JBL ceiling loudspeakers for their excellent sound quality and coverage,” said Carl Sagen, Lead Technician, XXXX Audio Systems. “After installation, I walked the floor to check the audio coverage, and I was amazed that there were absolutely no hot spots or dead spots. Usually, when you walk directly under a speaker, you can hear a difference in volume and clarity. With these JBL Control 45C/T speakers, the coverage is so smooth, I could walk around the room and everything sounded balanced. It was a considerable upgrade from the previous system.”

In addition to the JBL speakers on the main casino floor, XXXX Audio installed JBL Control 26-DT ceiling loudspeakers to deliver clear audio to the valet area. The team powered all speakers throughout the facility with Crown CDi DriveCore 4|600BL amplifiers, which feature built-in network control and advanced DSP for easy speaker zoning.

XXXX Audio selected BSS Soundweb London processors for networking the amplifiers and giving staff intuitive control over all casino speakers. The team installed BSS BLU-160 signal processors as the central network platform, which is fully configurable through HiQnet Audio Architect software. For system control, XXXX Audio installed BSS BLU-10 and EC-4BV controllers, which give the casino pit bosses the ability to make quick adjustments to the levels of music and wireless microphones, as well as reconfiguring the speaker zones when hosting special events.

“Throughout the installation process, many MontBleu team members remarked on how much better the HARMAN system sounded,” continued Sagen. “We replaced all the speakers on the casino floor, but we didn’t replace the speakers in some of the shops and restaurants. It’s incredible that even the old speakers in those areas sound so much better now that they’re being driven by the Crown amplifiers and BSS processors. Users love how easy it is to control the new system; they can make any adjustments they need without having a lot of audio knowledge.”



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PRODUCTS USED

BSS BLU-160 SIGNAL PROCESSORS

BSS BLU-10 PROGRAMMABLE CONTROLLERS

BSS EC-4BV WALL CONTROLLERS

CROWN CDI DRIVECORE 41600BL AMPLIFIERS

JBL CONTROL 26-DT CEILING LOUDSPEAKERS

JBL CONTROL 45C/T CEILING LOUDSPEAKERS

JBL CONTROL 40CS/T CEILING SUBWOOFERS



CONTACT

For PR Inquiries:

David Glaubke

Director, Public Relations

HARMAN Professional Solutions

david.glaubke@harman.com

+1 (818) 895-3464 Office

+1 (818) 470-7322 Mobile

To Speak With Someone About
HARMAN Products and Solutions,
visit pro.harman.com/contacts

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