

## CASE STUDY



## RETAIL



### OPPORTUNITY

In order to provide a more pleasant experience for guests, Staten Island Mall hired JD Systems to update their existing PA system with a state-of-the-art networked sound solution.



### SOLUTION

After surveying the location, JD Systems designed a cutting-edge sound solution using JBL Control Series speakers, Crown DCI amplifiers, and BSS signal processors.



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### STATEN ISLAND MALL, NEW YORK

With more than 1.2 million square feet of retail floor space, Staten Island Mall is one of the largest shopping centers in New York. In order to provide a more pleasant experience for guests, Staten Island Mall recently hired local installation experts JD Systems to update their existing PA system from the 1970s with a state-of-the-art HARMAN Professional Solutions PA system. After surveying the location, JD Systems designed a cutting-edge sound solution using JBL Control Series speakers, Crown DCI amplifiers, and BSS signal processors.

“Staten Island Mall asked us to update their outdated PA system with a controllable, scalable solution,” said Jak Daragjati, President JD Systems. “They were originally considering a Bose system, but after hearing how great HARMAN products sound they quickly changed their minds. The biggest challenge was providing adequate coverage without impacting the aesthetics of the mall. The JBL Control series speakers were exactly what we needed—they provide plenty of volume and offer versatile mounting options.”

Over 300 loudspeakers are installed throughout the facility to provide clear, consistent sound for music and announcements. JBL Control 14ct full-range ceiling speakers deliver extended coverage in an aesthetically pleasing package. JBL Control 64pt full-range pendant speakers provide superb sound reproduction for sections of the mall with open architecture ceilings. JBL Control 25-1 wall-mount speakers offer consistent dispersion and a contemporary weather-resistant design ideal for indoor or outdoor use.

Crown DCi 4|600 amplifiers were selected to power the system for their consistent power and rock-solid reliability. A BSS BLU-103 Conferencing Processor offers flexible signal routing, advanced AEC processing, and a built-in voice over IP (VoIP) interface for announcements. A BSS Contrio EC-8bv Ethernet wall controller is used for quickly and easily controlling volumes across eight different zones.





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#### PRODUCTS USED

**BSS BLU-103 CONFERENCING PROCESSOR**

**BSS CONTRIO EC-8BV ETHERNET WALL CONTROLLER**

**CROWN DCI 4|600 AMPLIFIERS**

**JBL CONTROL 14CT COAXIAL CEILING LOUDSPEAKER**

**JBL CONTROL 25-1 WALL-MOUNT SPEAKERS**

**JBL CONTROL 64PT PENDANT SPEAKERS**

#### ABOUT HARMAN

HARMAN ([harman.com](http://harman.com)) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



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