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No Limits

by Richard Williams

Monte Brothers, a New York area systems integration firm established in 1966 by partners Steve Minozzi and Bob Pelepako, was recently commissioned to design and install a multi-purpose sound system as part of a 2-year, multimillion-dollar, 500-seat theater construction project at the Ursuline School in New Rochelle, NY.

Originally called the Ursuline Seminary for Girls, the ever-expanding Ursuline School is New York State's first Catholic college-preparatory school for young women in grades 6-12.

The multi-purpose, Crown-powered sound system features a combination of Klipsch and CAMM Hi-Q and Lo-Q loudspeakers and features the integration of voice-lift and music playback capabilities, thanks to Biamp Systems' Audia digital audio platform at the system's front end.

Two Crown CT-410 power amps drive the primary mono FOH arrays consisting of one Klipsch KI-302A 2-way loudspeaker and one Klipsch KI-480X subwoofer per side. Additionally, two Crown CT-410 power amps drive the monophonic voice-lift and Hi-Q support loudspeaker system consisting of four CAMM DT-2X loudspeakers, two each mounted on the left and right side walls, as well as two additional left and right under balcony CAMM DT-2X loudspeakers.

Minozzi and Pelepako configured the Audia's intuitive software to provide the system's users

with an assortment of preset control capabilities via laptop.

The Ursuline's Audia is pre-configured with a 12 x 1 Automixer in its software, which feeds the CAMM voice-lift speakers, and a 12 x 3 standard mixer, also in the software. Its outputs feed the Klipsch loudspeakers on output one, and an Aphex DA120 4-channel distribution amp for tape record and the audio-for-video feed on output two. Output three is reserved for the future Klipsch fold backstage monitors.

The stage area is configured with four front-stage microphone inputs, as well as four additional alternate overhead inputs that are "ganged" into two Audia inputs, all of which are accessible via various presets in the Audia. The Audia is configured with assembly or concert presets for all of the various wired and UHF wireless handheld transmitters and lavalier microphones used at the theater. Monte Brothers uses Audio-Technica microphones exclusively, choosing Engineered Series 933, 973 and 915/QMR/LMX models for the Ursuline School installation.

Richard Williams (avwriter@mindspring.com) is a writer based in San Francisco, CA.



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▶ Monte Brothers
914.693.2600