

## ELECTRO-VOICE® INSTALLATION AT FAIRFIELD, CA, CHURCH

**Fairfield, CA (December 19<sup>th</sup>, 2003):** Gordon's Music and Sound of Fairfield, California, recently completed an installation of multiple EV products at St. Mark's, a local church, that characterizes the attention to detail EV can provide, both in terms of product and service. Owner Cliff Gordon and manager Jeff Clark discussed the project, and how EV made a difference:



*Attractive but acoustically challenging: the sanctuary at St. Mark's*

Cliff Gordon commented: "St. Mark's is quite interesting architecturally – it's a church 'in the round'. The chancel is very large, occupying about a third of the sanctuary. This in itself posed a challenge. Though it's a house of worship with contemporary design details, St. Mark's is a traditional Lutheran church in terms of construction materials, with stone floors, sheetrock walls, and a wooden ceiling, so pattern control and low frequency intelligibility were a concern. I called Skip Godwin (of EV reps Progressive Audio Sales), who immediately recommended the FRX+660 (coaxial two-way, horn-loaded, 15-inch medium-throw full-range system) with its 60° x 60° coverage pattern control, used in conjunction with the presets on the EV Dx38 controller, as a specific sound solution for the problems typically associated with houses of worship. The tech support team at EV put together an EASE® model to give a precise technical second opinion to Skip's initial suggestion, and then in

went the equipment. Simple. The advantage of the resources EV provides – both the expertise of the tech support team and knowledgeable reps who can cater to the needs of specific markets like this – is reflected in a quick turnaround on projects like this. We sent the tech support guys the blueprints and quickly ended up with a precise, prescribed product list drawn from EV's extensive lines. In this sense there's no trial and error or compromise with 'next best' products – EV manufactures specific solutions for specific applications. The white FRX+660 boxes characterize the attention to detail that EV products can provide, matching the customer support they provide before, during and after the installation process.”



*3 FRX+660 boxes have it covered...*

Jeff Clark continued: “As Cliff said, the sanctuary is an unusual shape; semicircular, with few parallel angles. The roof space is 32 feet high, and is also full of different edges and angles. You really need to see the CAD drawings to get a sense of the challenge it posed from an acoustical perspective. This is a two-tier space with lights, a giant cross and a 32-foot tall stained glass window. We're talking about a variety of materials with varying reflective and absorptive characteristics. We sent CAD drawings to EV and they basically translated them into an equipment list with installation instructions. Aside from the audio installation, the room itself was an ongoing construction project. The back wall is glass now, but we tuned the room prior

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to the glass installation. We retuned the system again, of course, and found that the equipment we selected made it easy to renegotiate a good sound with the tricky architecture. The combination of the FRX boxes and the Dx38 really is unbeatable in this sense.”



Jeff continued: “Aside from the main cluster, we’re using 3 Telex wireless systems with headsets, an FRI+ 122/64 as a monitor facing the cluster, 5 CPS amplifiers, one of which is running a 70V system, the other four running the front of house and monitors. 2 CPS1s are on the high end, 2 CPS2s are on the low end. We used a pair of Sx80TW boxes in the entrance foyer, which is brick and goes up about 20 feet. That’s part of the distributed system for that section of the sanctuary. There’s an EV 1415A single channel amplifier in the rack too. We’re using 3 EV NRSCU UHF wireless systems with NBPU transmitters and N/D 767a microphone elements on the handsets. There are also 4 EV CH230 choir mic’s hanging from the ceiling. The first service was on September 16<sup>th</sup>. The church already has a choir and an orchestral praise band, and now they plan on doing more orchestral style stuff – this system has really opened up the possibilities for staging more

productions. It sounds great and they love it, which is what counts.”

(more)



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