

This is a medium-sized (500 – 750 seats) church. They may have two or more Sunday services in different formats, as well as other events such as weddings, christenings, baptisms, etc. Traditional denominations might have smaller worship events on week-nights.

Some services at this church include a “praise band” or other significant live music component that demands a live operator at a mixing console. Many others are less complex and/or smaller in attendance, so it’s also necessary for the system to be usable without an operator. The DX810, with its 8-input, 10-output matrix, plus powerful signal processing and programmable presets, fits this application perfectly. Six of the DX810’s high quality mic preamps are used for the most commonly used sources: pulpit mic or wireless pastor’s microphone, choir mics, lectern, pre-recorded music (cassette, CD player), etc. Two inputs are reserved for the Mackie tt24 Digital Live Console.

The main cluster consists of two VR51’s: depending on the shape of the room, we would use either the 90° x 60° or the 60° x 45° horn to give us between 120° and 180° of horizontal coverage. To give live music with a full rhythm section the proper low end impact we’ve installed a VRS18 subwoofer.

The main cluster is powered by a CAZ2500 amplifier, and a bridged CAZ2500 drives the sub. Two “shadowed” delay zones are covered by SMS5 Surface Mount Speakers powered by CAZ800 amplifiers. A CXA240 drives a 70V line that powers four CIS400 speakers mounted in the ceiling of the lobby or overflow hall. For the musicians themselves, we’ve provided four VRM

12-inch coaxial floor monitors, with two monitor mixes, each delivered via one channel of a CAZ2500.

The entire mix is fed to a recording device for capturing the events. Another output feeds an infrared or wireless hearing assistance transmitter for use with wireless headsets.



