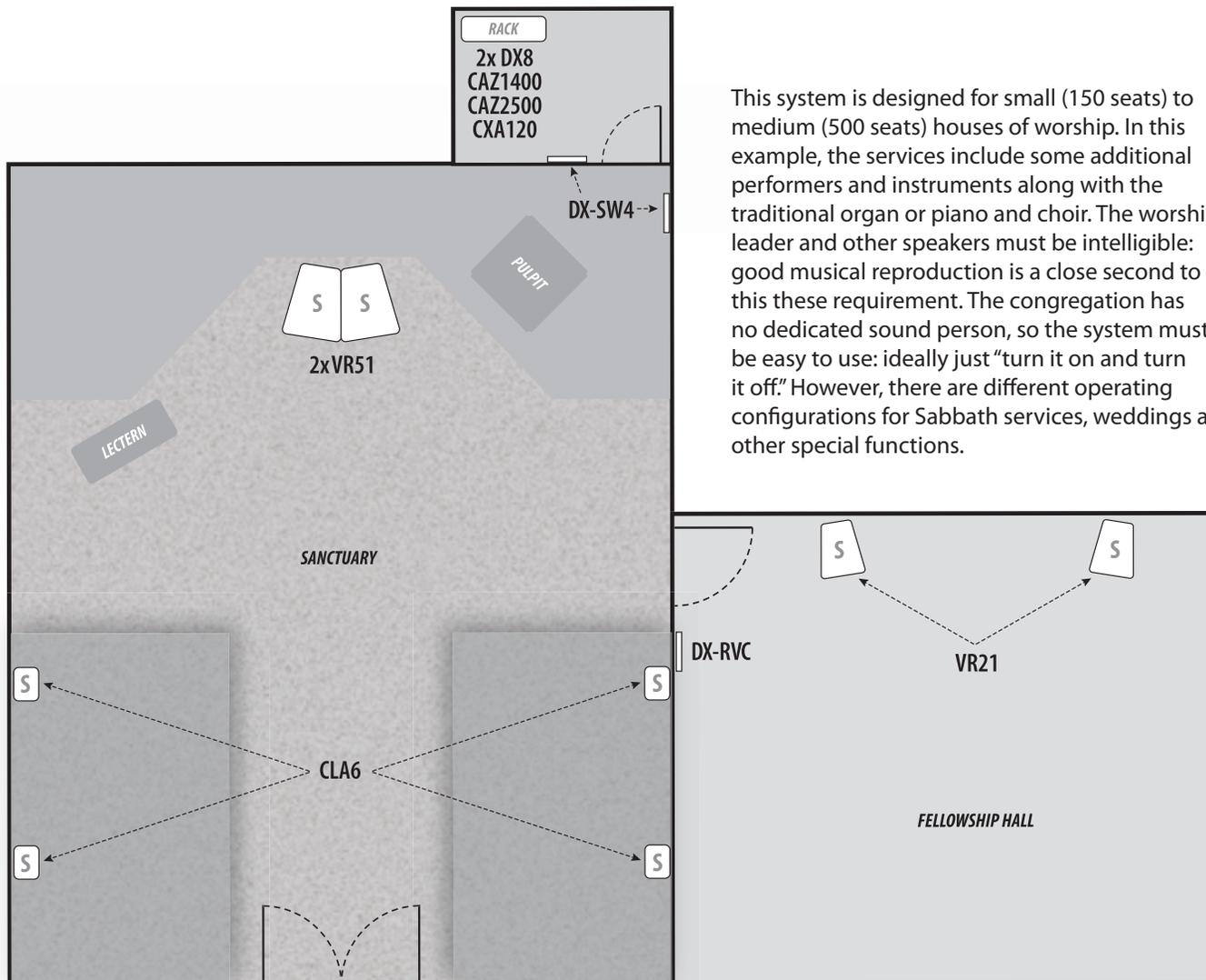


Small House of Worship



This system is designed for small (150 seats) to medium (500 seats) houses of worship. In this example, the services include some additional performers and instruments along with the traditional organ or piano and choir. The worship leader and other speakers must be intelligible: good musical reproduction is a close second to this these requirement. The congregation has no dedicated sound person, so the system must be easy to use: ideally just “turn it on and turn it off.” However, there are different operating configurations for Sabbath services, weddings and other special functions.

The DX810 Digital Matrix Mixer allows us to create presets for the different room configurations. These can be selected via the remote wall switches, which are mounted in convenient but secure locations. We’ve linked two DX810’s to accommodate all the sources.

The main hall has a white ceiling, so we’ve installed two VR51’s in white to blend in. They’re powered by the CAZ2500. In this space, we are using the high-Q horns in 60° H x 45° V orientation. If the shape of the room was different we could have used other patterns or orientations to minimize reflected energy. Two areas in the rear are “shadowed” from the main cluster, so we have installed four CLA6 column loudspeakers. Their multi-tap transformers are connected to a 70V line driven by the CXA120. With their wide coverage pattern, these small speakers can easily be mounted close to the congregation yet remain unobtrusive.

The adjacent hall has a pair of VR21’s using the installed 90° H x 60°V horns, powered by the CAZ1400. Volume in this room is adjusted separately via the wall-mounted DX-RVC.

