

CONCERT LEVEL AUDIO AND VIDEO SYSTEM:

Community theater transformed into modern church

CHALLENGES

Salem Chapel purchased an existing community theater to become their new home. While the theater was in good shape, the sound system was nearly non-existent. They wanted to keep most of the theater esthetics, including concrete flooring. Church leadership also wanted to have any equipment needed to host touring bands.

CONSIDERATIONS

- Design and engineer a concert-level audio system and video system that would engage church attendees
- Ensure it can accommodate touring bands
- Keep the existing concrete floor in the lobby while addressing the acoustic issues.



SOLUTIONS

In the main auditorium, our video solution included two projectors and large screens for image magnification (IMAG) and lyrics on either side of the stage and a projector and giant screen at the back of the stage to project motion backdrops during worship. For audio, we installed 10 line array speakers and two dual 18" subwoofers from OAP and integrated that with a brand new Midas PRO2 mixing console and digital snake and tied in 8 new floor boxes for connections throughout the stage.

Acoustically, the lobby was a very challenging space as the interior design team wanted to keep the hard concrete floor exposed. When you combine the floor, the hard ceiling, brick walls, and wall of windows, you could hardly have a conversation in the space and intelligibly hear the other person. We addressed the acoustic concerns of this space with 48 color-matched acoustic panels located across the ceiling and wall. Now, conversations are intelligible, and because we color matched the ceiling areas and walls, you don't even notice the panels.

We distributed video and audio from the main auditorium to the lobby on two 75" displays flown from the ceiling. Video and audio signal is further distributed to other spaces throughout the building to accommodate overflow spaces and a nursing mothers room.

RESULTS

Salem Chapel's Creative Director Luke Smith said "This was our first experience in a permanent space as a church and the worship, sound, and visual aspects of our services has been amazing. The sound is consistent week to week, we were able to host a couple of concerts without the need for outside rentals, and everything just looks and sounds great." Smith added, "Our huge projector wall on the stage is a showstopper and really controls the mood of our services. We have had countless compliments on the look of our space because of the projector wall."