

## Central Lutheran Church light and sound specifics

### SOUND

- The sanctuary sound system is designed primarily for reinforcing speech and solo singers/small groups. It is not designed to function as a “rock concert” sort of sound rig. It is also configured to provide a broadcast quality digital stereo audio feed for recording, streaming or broadcast
- The primary speakers in the sanctuary are Bose Panaray MA12 column line arrays. There are supplemental fill speakers for the choir loft and narthex that can be mixed independantly.
- Mixing is done on an Allen and Heath DLive 7000 mixing surface located in the rear balcony
- 4 channels of powered foldback are available. These are provided by up to 6 Electro-Voice FRI-28LPM wedge speakers
- 8 channels of wireless available: 4 Shure ULXD body-back transmitters with DPA 2C4061-B10 lavalier microphones and 4 Shure ULXD handheld transmitters with Shure Beta 87A capsules
- Approximately 50 wired microphone inputs in the chancel area
- Wired microphones available: 6 AKG C535EB handheld condenser mics, 2 Shure SM87A condenser mics, 2 Shure SM58 dynamic mics. All have stands available.
- The Steinway model B piano in the chancel has the DPA 4099P piano mic system installed
- 6 pairs of permanent recording microphones are suspended from the ceiling: 2 DPA 4060 mics for the choir loft, 2 DPA 4060 mics for the organ (these can be lowered to provide good coverage of standing choir risers), 2 DPA 4060 mics for the congregation/ambient sounds, 2 DPA 4060 mics for the rear balcony, 2 AKG SE 300B w/ CK 92 capsules for the east transept balcony, and 2 AKG SE 300B w/ CK 92 capsules for the west transept balcony

### VIDEO

- Vaddio ProductionVIEW HD-SDI switcher with touchscreen monitor
- 4 Vaddio Roboshot 30 remotely controlled HD cameras
- Switcher feeds into a HP workstation for recording and streaming
- Internet is provided via fiberoptic connection
- Video can be internally transmitted to the Great Hall projector, Fireside Room monitor, Information Desk monitor, and Nursery monitor

## LIGHTING

- The entire performing platform is lit with a combination of recessed PAR fixtures in the ceiling, ellipsoidal spotlights for front lighting, and Source 4 PARS for backlighting. Use of a choral shell makes the backlighting unusable.
- Lighting is in a repertory plot for worship and event use and cannot be refocused
- There is the possibility for adding limited specials depending on location and excess instrument inventory available
- There are 15 hanging locations permanently mounted in the room. Some are completely full, others have space available. Details on request
- In-house control is through presets on an ETC Unison system OR via an ETC Express 24/48 console. Other DMX-enabled consoles may be brought in if extensive use of LED or moving lights are required
- A DMX distribution system exists throughout the room. Universe A controls all architectural fixtures in the room and is also available at all hanging locations. Addresses 157-512 are currently unused. Universe B is currently unused and is only available at floor level
- 1 follow spot is available for use from the rear balcony. It is an Altman Voyager long-throw with a 400 watt HTI lamp.