

Shepherd of the Hills Church



SUMMARY

• LOCATION

San Antonio, Texas

• FACILITY SCOPE

250-seat Lutheran church holding worship services and religious ceremonies

• OBJECTIVES

Church leaders desired an upgraded sound system that could be used for both speech and contemporary music services with integrated access to all input sources, all within an acoustically challenging space.

• SOLUTION

Community loudspeakers with ALC amplified loudspeaker controllers

• OUTCOME

By upgrading the existing loudspeakers with Biamp's E and V SERIES from its Community line, the team at AV Calibrations was able to provide Shepherd of the Hills with vastly improved sound quality for their onsite and live streaming worship services.

• EQUIPMENT

- Community ENT-FR loudspeakers (2)
- Community ENT-LF loudspeakers (2)
- Community ENT206 loudspeakers (2)
- Community V2-215S subwoofers (2)
- Community ALC-3202D amplified loudspeaker controllers (2)
- Community ALC-404D amplified Loudspeaker controllers (1)

Shepherd of the Hills is a Lutheran church that holds worship services and religious ceremonies, such as baptisms and funerals, in San Antonio, Texas. The church's architecture is highly reverberant, and acoustics have always been a challenge for voice intelligibility. The current sound system needed an upgrade, and church leaders sought a solution that was ideal for both spoken word in traditional services, as well as music reinforcement in contemporary services. Pro audio and commercial video systems integrator AV Calibrations was hired to design and install a new sound system with these goals in mind.



The array's dispersion was perfect in placing the sound to the seats and not the walls or ceiling. The presence of the loudspeakers on the columns is clean.

**SARAH M.
BECHER**

Design Engineer
AV Calibrations

SOLUTION

AV Calibrations chose Biamp's Community loudspeakers based on the company's strong client support and their ability to offer the best solution to satisfy the customer's expectations for the project. The team at AV Calibrations reviewed the room requirements, deciding that DSP, equalization, and time alignment were needed to achieve the optimal results.

The church's new main sound system features a pair of Community E SERIES high performance column line arrays, each including an ENT-FR three-way, full-range column for natural sounding voice and music reinforcement with an ENT-LF low frequency extension column. Designed for use in difficult acoustic environments, ENT-FR delivers high intelligibility with wide horizontal and extremely narrow vertical dispersion. Installers can use multiple full-range and low frequency columns to create vertical coverage with an extremely narrow focus. A pair of ENT206 compact column point-source provides additional coverage and fill, while a pair of dual 15-inch V2-215S subwoofers add bass and warmth during musical performances. Two Community ALC-3202D and one ALC-404D Amplified Loudspeaker Controllers from Biamp provide all the power, processing, and system management needed for the venue.



CONCLUSION

AV Calibrations was able to balance all the source signal inputs and mix to attain a consistent 75dB room amplitude, allowing even older congregants with hearing deficiencies to have a positive experience during worship services. Moreover, musical performances are now enhanced by the improved sound quality, while the slim profile of the Community E SERIES columns blends seamlessly with the church's interior architecture. The client was very pleased with the final result and remarked on how the excellent sound system and integrated technology is invaluable to the sound quality of their live streaming services, pastoral messages, and video recordings of baptisms and funerals.

ABOUT BIAMP

Biamp is a leading provider of innovative, networked media systems that power the world's most sophisticated audiovisual installations.

Recognized worldwide for delivering high-quality products and backing each one with a commitment to exceptional customer service, Biamp's mission is connecting people through extraordinary audiovisual experiences.

Founded in 1976, Biamp is headquartered in Beaverton, Oregon, with offices and manufacturing facilities located around the world.

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