

Texas Union Theater

Designed and Installed by Ford Audio-Video Systems



The University of Texas at Austin's Texas Union Theater hosts a diverse array of student-centric programming including films, plays, musical performances and lectures. The university engaged Ford Audio-Video Systems to design and install a much needed AV update for the theater. Ford Project Engineer Charles Croley turned to Fulcrum Acoustic loudspeakers to project the right sound for the Texas Union Theater's cinematic and live events.

Challenges

- The system needed to deliver exceptional clarity, intelligibility, and pattern control to reinforce sound for films and live events
- Compact yet powerful loudspeakers were required to fit within the theater's tight installation spaces without interfering with sightlines or aesthetics

Solution

"We flew left/right Fulcrum FL283 four-module line arrays that seamlessly cover the room without obscuring the screen or projector," explains Croley. "The FL283s sound great and their Passive Cardioid Technology™ keeps sound focused on the audience, and off the architecture and stage."

With no space behind the screen to work with, two compact Fulcrum CX Series coaxial loudspeakers were deployed as center channel loudspeakers in a small open ceiling space above the stage lip. A CX1295 12-inch coaxial speaker (90° x 45°) covers the near field and a CX1265 (60° x 45°) handles the 70-foot long throw to the back of the theater.

Physical space challenges also precluded flying subwoofers above the stage. Croley deployed two low-profile Fulcrum Sub218L dual 18-inch subwoofers under the theater's shallow stage to achieve the low frequency extension and high output needed for film sound effects and live music reinforcement.

"There's always a delicate balance in designing a sound system to meet the needs of both cinematic and live sound," relates Croley. "Fulcrum's technologically advanced loudspeakers perfectly augment the system's Dolby® cinema surround sound upgrade, and deliver high-fidelity sound reinforcement for live performances and events. That versatility really came in handy for the Texas Union Theater."

Project Details

Location

Austin, Texas

Product Category

Performing Arts Center

Project Type

350-400 seat multi-use auditorium

Fulcrum Products

(8) FL283 Dual 8 inch Subcardioid Line Array Modules

(1) CX1295 12 inch Coaxial Loudspeaker, 90° x 45°

(1) CX1265 12 inch Coaxial Loudspeaker, 60° x 45°

(2) Sub218L Dual 18 in Direct-Radiating Subwoofers

Supporting Products

Crestron DMPS3 4K-150 Digital Media Switcher

Dolby CP850 Surround Sound Processor

QSC CX Series Amplifiers

JBL 8350 Cinema Surround Speakers

Midas M32 Digital Console

Soundweb London BLU-806 Networked Digital Processor

