



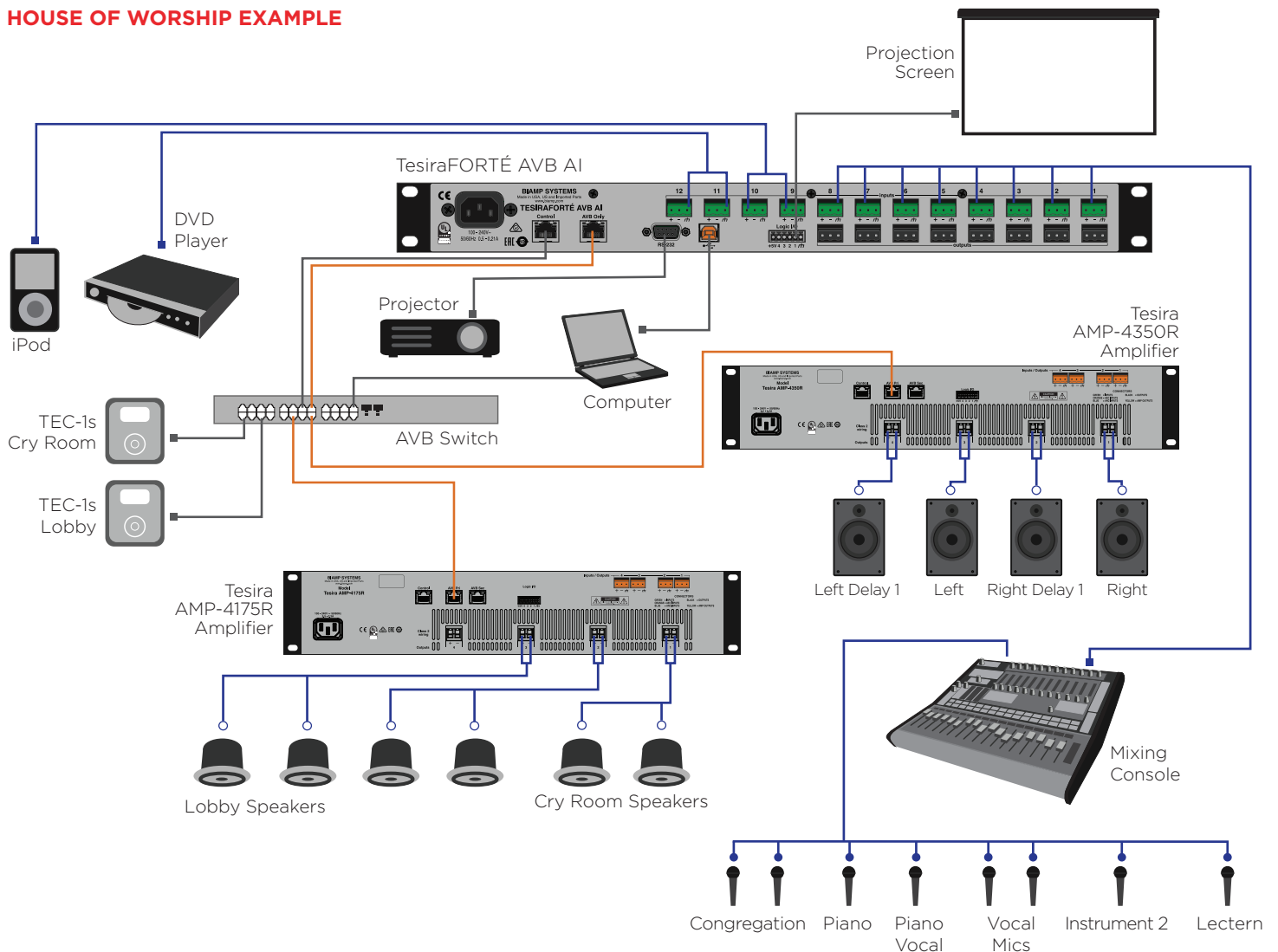
SYSTEM DESIGN GUIDE HOUSE OF WORSHIP

TesiraFORTÉ AVB AI



The TesiraFORTÉ AVB AI solution creates a commanding audio experience that can be easily managed by non-technical volunteers of the worship community. By leveraging the power of AVB/TSN, the cost of the solution decreases because a) it uses existing network infrastructure, and b) some hardware may be shared across spaces.

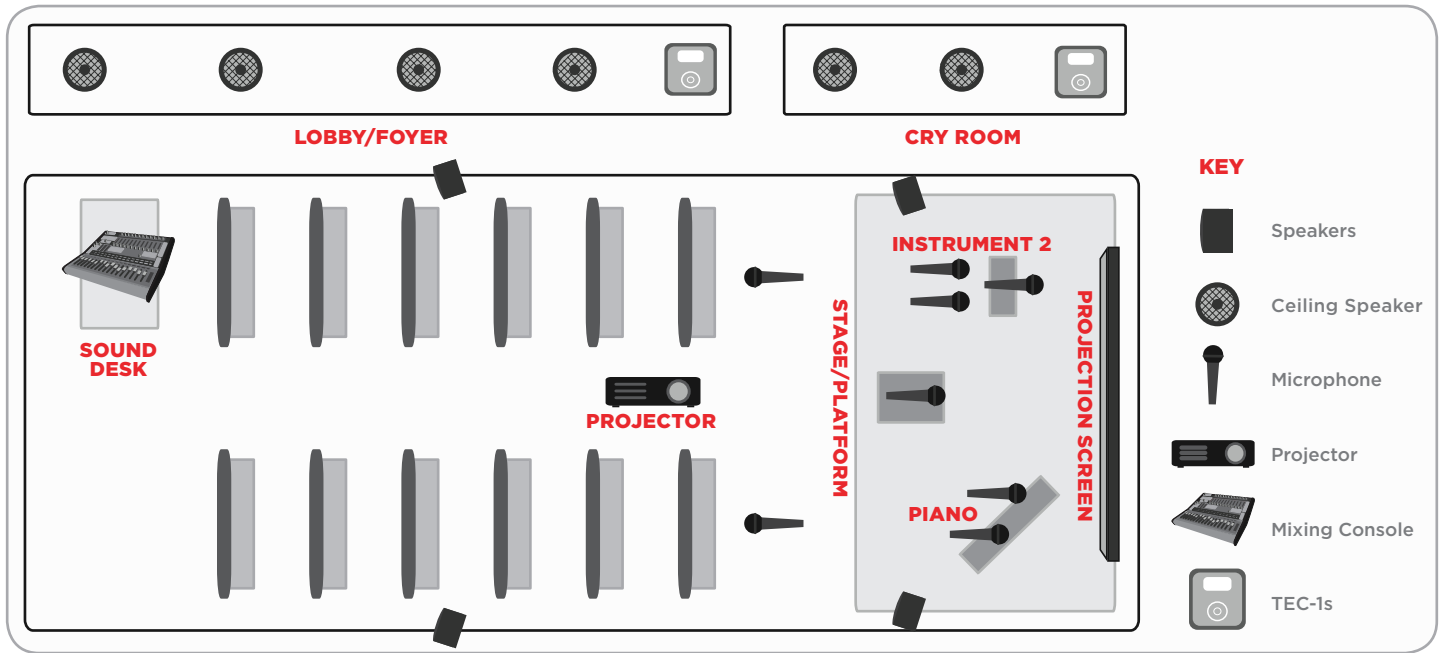
HOUSE OF WORSHIP EXAMPLE



FEATURES/BENEFITS

- Powerful and easy-to-use DSP to configure your mix for quick set-up
- AVB/TSN technology allows all audio to be connected over existing network infrastructure, preserving historic buildings
- Configurable USB audio for simple recording and mixing of the service for easy digital distribution

HOUSE OF WORSHIP FLOOR PLAN Seating for approx. 300



EQUIPMENT LIST

Quantity	Product	Function
1	TesiraFORTÉ AVB AI	Powerful DSP technology for crystal clear audio processing.
1	AVB/TSN network switch	Distributes IEEE-standard audio networking to each room with low-latency.
1	Tesira AMP-4350R amplifier	Provides amplification to speakers in the main sanctuary.
1	Tesira AMP-4175R amplifier	Provides amplification to speakers in lobby and cry room.
1	Mixing console	Mixing live microphones and levels during services.
1	DVD player	Allows for playback of DVDs before, during, and after services.
1	iPod or media player	Gives ability to play background music before or after service.
8	Microphones	6 vocal/instrument mics; 2 overhead mics to record congregation participation.
1	Computer	Provides recording capabilities, visual displays before, during and after the service, and control of projector and projection screen via Biamp Canvas.
1	Ceiling Mounted Projector	Provides visuals in sanctuary, and is controlled via RS232 and Biamp Canvas.
1	Projection Screen	Controlled via GPIO input and Biamp Canvas for raising and lowering.
2	Loudspeakers	Provides sound reinforcement for services.
2	Delay fill speakers	Provides distributed sound reinforcement with audio delay.
4	Ceiling speakers in lobby	Provides sound reinforcement in lobby.
2	Ceiling speakers in cry room	Provides sound reinforcement in cry room.
2	TEC-1s controls	1 TEC-1s gives sound control to lobby. 1 TEC-1s gives sound control to cry room.