



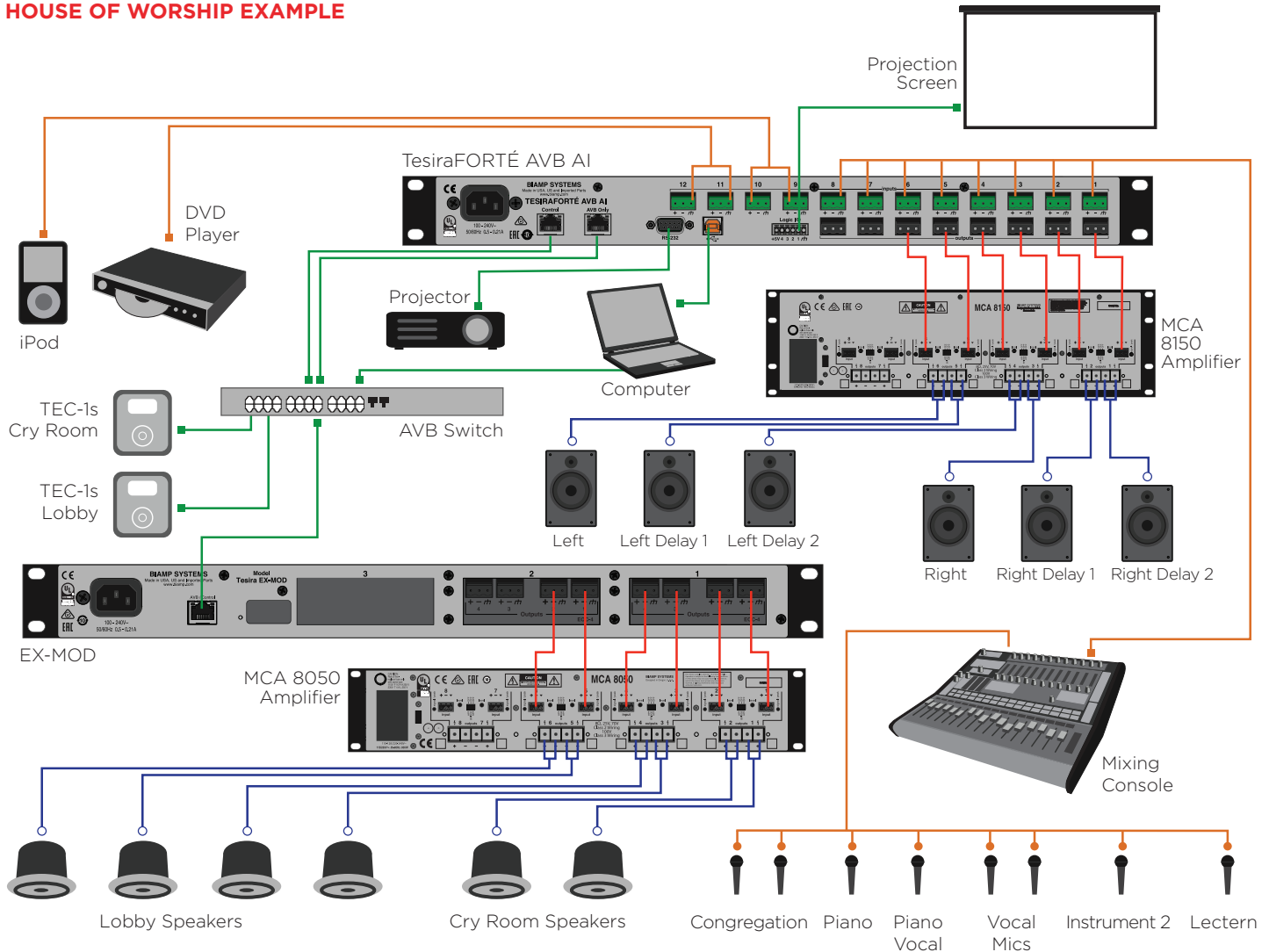
SYSTEM DESIGN GUIDE HOUSE OF WORSHIP

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, the cost of the solution decreases because a) it uses existing network infrastructure, and b) some hardware may be shared across spaces.

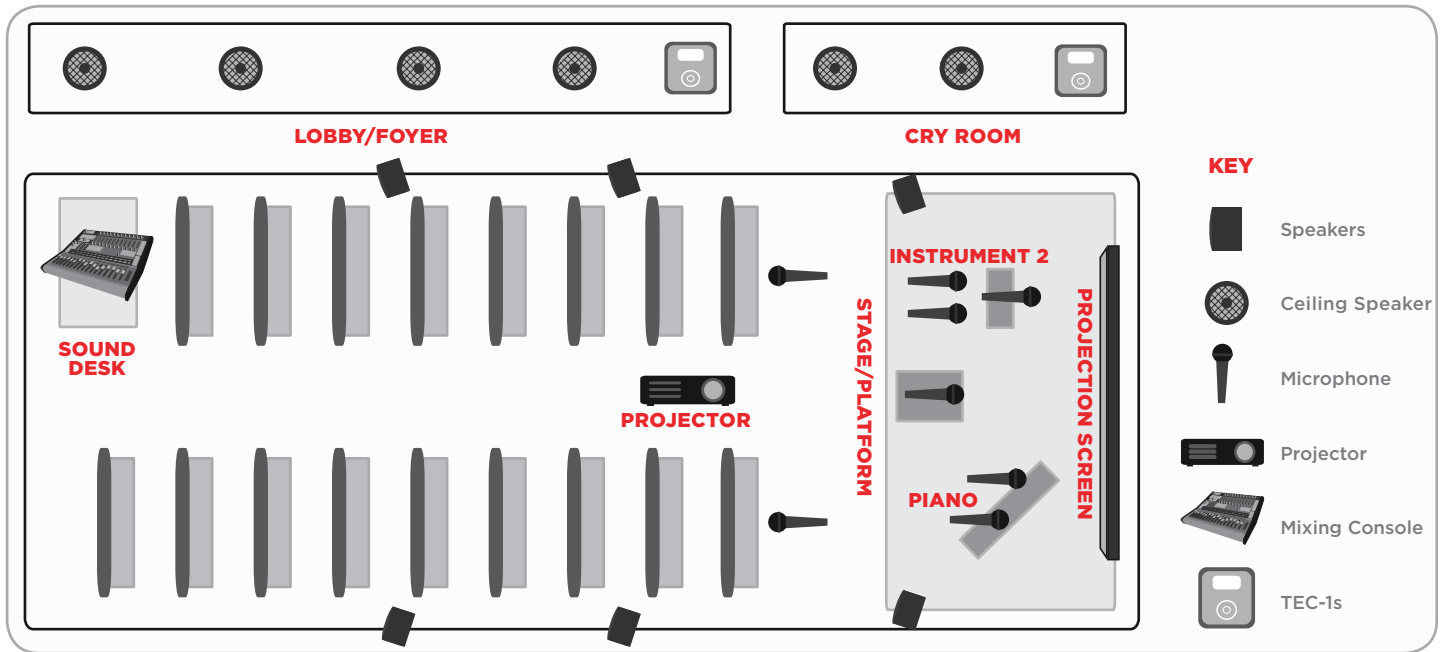
HOUSE OF WORSHIP EXAMPLE



FEATURES/BENEFITS

- Powerful and easy-to-use DSP to configure your mix for quick set-up
- Digital signal processing eliminates the need for additional equalizers or mixers, which saves space and resources
- AVB 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 network switch	Distributes IEEE-standard audio networking to each room with low-latency.
1	EX-MOD expander 2 EOC-4 cards installed	Provides audio via AVB switch and Ethernet cabling to lobby speakers and cry room speakers.
1	MCA 8150 amplifier	Provides amplification to speakers in the main sanctuary.
1	MCA 8050 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, visuals 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.
4	Delay fill speakers	Provides distributed sound reinforcement with audio delay.
4	Ceiling speakers in lobby/foyer	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.