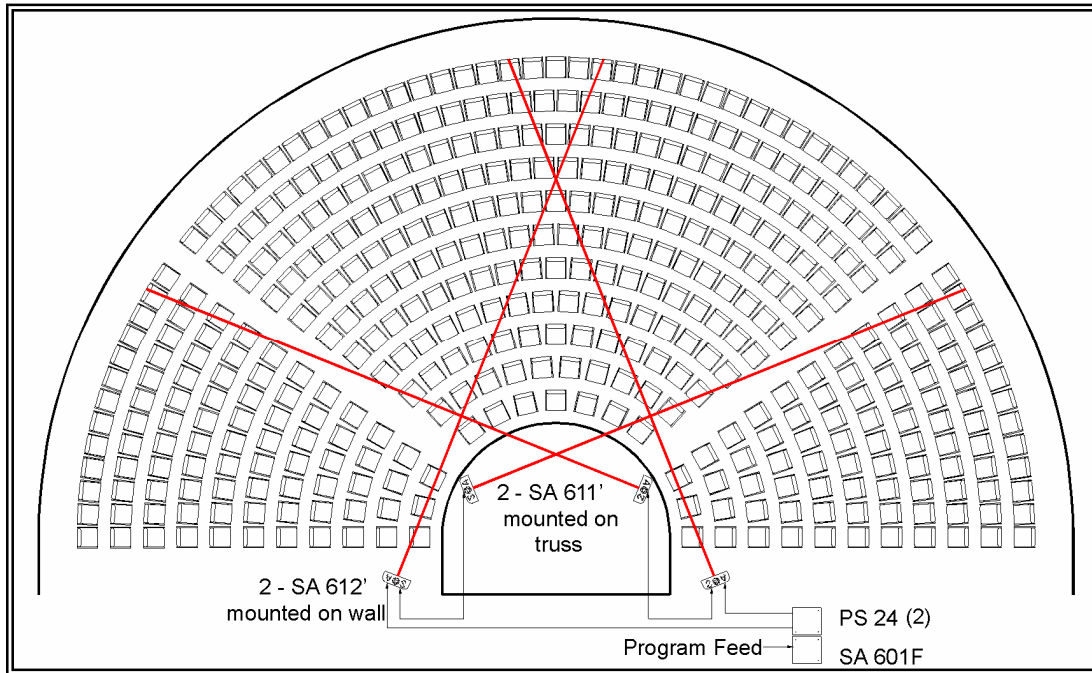




SOUND ASSOCIATES, INC.

Application Notes

#AN_Thrust2
Infrared Listening System in a
Theatre with a Thrust Stage.



Infrared Listening Systems are the most widely used devices for the hard of hearing in theatrical settings. The line diagram above illustrates a typical installation of a Sound Associates infrared system in a small 500-seat theatre with a thrust stage. Due to the hemispherical shape of the theatre more emitter panels are needed to supply sufficient coverage than in typical theater seating. The ideal location for the two SA612 emitter panels is on the wall closest to the opening approximately 10 to 15 feet off the stage. The SA611 emitters are added to the front of the truss above the stage to increase coverage near the edges of the theatre. The advantage to this system over other infrared systems is the use of low voltage emitter panels with low voltage cable. This allows for a quick and easy installation in approximately eight hours with two technicians.

Equipment List

1	SA1422	IR Transmitter- 1 input w/ phantom power / 95kHz
2	PS24	Emitter Power Supply
1	RK2	Double Rack Mount Kit
2	SA611	Emitter Panel – Small / Black
2	MB1-C	Emitter Mount with Clamp – Black
2	SA612	Emitter Panel – Medium / Black
2	MB10	Emitter Wall or Ceiling Mount - Black
500	SA6000	Emitter Cable (16 gauge, 2 Cond. / shielded)
20	SA650H	IR Headset / Receiver w/ battery – Single Channel
2	SA1910	Smart Battery Charger – 10 Position
2	CC-10	Carrying Case – 10 Position