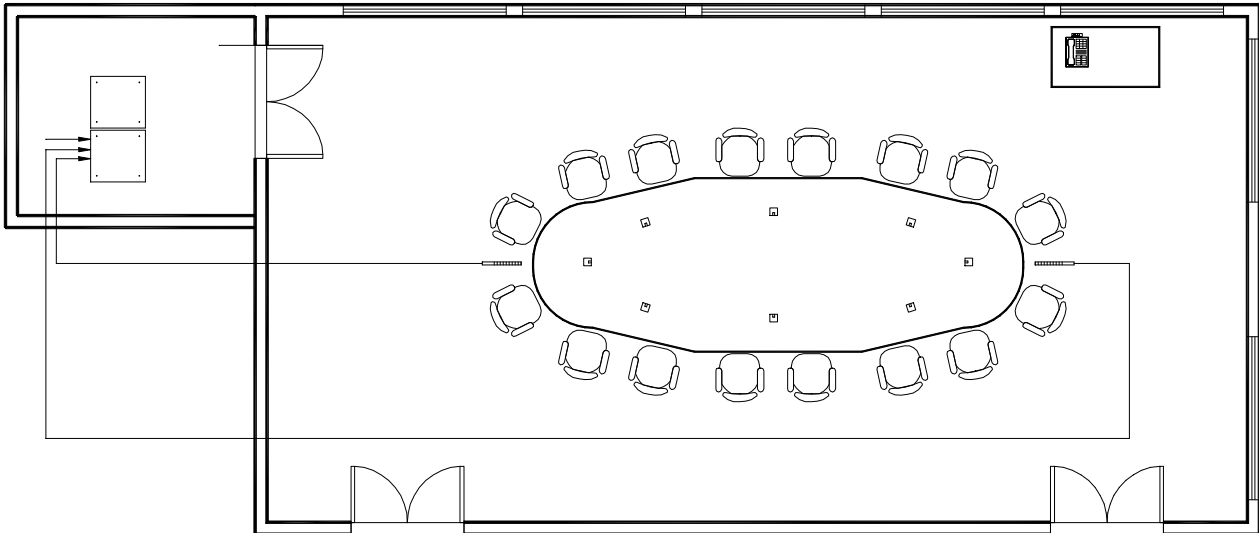




# SOUND ASSOCIATES, INC.

## Application Notes

#AN\_Conference3  
Infrared Listening System in a  
Conference Room Setting.



Assistive Listening Systems in corporate conference rooms are becoming more popular due to the increase in multimedia equipment and a growing awareness of employees with hearing impairments. The line diagram above shows a typical boardroom layout with a Sound Associates Infrared Listening System. At the center of the system is a 2 input infrared transmitter set to 250 kHz or 2.3 MHz. The modulation is set to higher frequencies to overcome the effects of energy saving fluorescent lights commonly used in conference centers. Also, because the transmitter has 2 inputs with phantom power, two miniature shotgun microphones may be added to increase intelligibility. One SA611 is sufficient to cover such a small area however an additional emitter may be helpful in round table settings. Installation time is approximately four – eight hours with two technicians under ideal circumstances.

### Equipment List

1	SA1422	IR Transmitter- 2 inputs w/ phantom power
1	PS24	Emitter Power Supply
1	RK1	Single Rack Mount Kit for PS24
2	SA611W	Emitter Panel – Small / White (1 optional)
2	MB10W	Emitter Wall or Ceiling Mount – White (1 optional)
100	SA6000	Emitter Cable (16 gauge, 2 Cond. / shielded)
4	SA652HX	IR Headset / Receiver w/ battery – Dual Channel 95kHz and 250 kHz
4	BC1	Single Battery Charging Adapter
4	CC1	IR Headset Personal Carrying Case
2	Shotgun	Miniature Shotgun Microphone w/ Cable (Optional)