Subject: Re: SPL question
Posted by Wayne Parham on Sun, 24 Jun 2001 19:46:36 GMT
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Point sources falloff at 6dB each time distance is doubled and line sources falloff by 3dB each time distance is doubled. Small spaces can generally be adequately covered with a few number of speakers having wide angular coverage. Larger spaces usually require more speakers, each with narower coverage. And there is also a matter of whether the space is indoors or outdoors, because sound systems indoors act very differently than sound outdoors, so sound systems used in each have their own sets of requirements. This is a subject that really needs a book (or several) to properly address. There are lots of good books, and the link below is a pretty good one to get you started.

Sound System Design Manual