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Subject: Re: Build my own subs

Posted by [Wayne Parham](#) on Thu, 29 Apr 2010 21:26:53 GMT

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I think that the number of subs required really depends on the environment and application, but

Usually, I see at least two mains flown for each sub. Some outdoors events require eight or sixteen subs, but then they usually have at least twice that many mains hung in an array on each side of the stage.

One place I'm real familiar with is a fairly large indoor venue, large enough that the Schroeder frequency is well below the audible band - so it acts pretty much the same as an outdoor event.

are sixteen mains hung as vertical arrays, eight per side. The subs have no problem keeping up with the mains. Typical seating is about 5000 people.

Direct radiating subs are just the opposite; They often require more subs than mains. Little systems in indoors clubs are good candidates for this approach, with a couple of mains and maybe four or six subs. Sometimes you'll use a pair of mains per side, and then maybe eight subs scattered around. In this case, the number of subs helps break up room modes just like in a home hifi multisub setup. Indoors in small venues is a totally different deal than outdoor or arena setups where you want to group the subs together.