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Subject: Re: Back from Dallas and depressed ...  
Posted by [Delgadas](#) on Sat, 12 May 2007 03:34:40 GMT  
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I suppose most small rooms, especially rooms with low ceilings, simply don't have the volume needed to develop low frequencies. Driver size is not so critical providing they are capable of delivering the proper waves. A pipe organ can lay down some very low frequencies but the wavelength is so long, at 50Hz it may need more than 30 feet to develop. Otherwise, in a small room the sound will get all blended around and you won't be able to pick up the new transients. Bass traps in a small room can help by allowing the long waves to stretch out. In a small room there will be a node or nodes somewhere, not necessarily near the listening chair or even in the same room, where the bass will sound nice and tight. It's almost never where you want it to be. I've had a little success in my own low ceiling, far from ideal room. It's a little like tuning an instrument. After much fiddling around and with help from a friend with good ears, I ended up with dual subs, port down on the carpet with the driver facing a wall. Adjusting the distance from the walls makes huge changes in the location of the good nodes. I can get that nice rich satisfying thumping at my chair from 2 watts but it's still no Yes concert.

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