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Subject: Re: RS8 array kit

Posted by [JP Haggar](#) on Sun, 31 Dec 2006 03:56:59 GMT

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Aaron, Rick assisted me in all the decisions I've made to build those monsters, Rick's ported version is not mentioned on his site for the RS8 but it is available for who wants to do it. Rick recommended the port to be on the back, half distance from the top and bottom and only one port for the 8 drivers, but this means you have to keep the speakers away from the wall by at least 30cm, which I couldn't! hence the decision to put the port in the front and the extra height too, which you don't need if it is on the back, but you need to have the enclosure deeper to keep the internal volume the same, as for the port it is a 6" piece of PVC pipe with a front ring that I had made by a professional!!! If you divide the enclosure by two you will need to lengthen the enclosure for the second port and I think it would be too tall a speaker, I would recommend if you can afford to have them 30 cm away from the wall and put the ports in the back it will solve many problems. Go and have a look at this array construction: <http://home.earthlink.net/~jmiyake/>. Very sturdy box I recommend this type of bracing versus vertical bracing that is easier to build but gives less stiffness, you can easily divide your box by 2 or four but you will need to get advice from some experts like Rick or Jim Griffin on the advantages vs one volume box, as for the standing waves that could occur in the length of the enclosure I think if you stuff the top of the enclosure with 2 or 3" of fiberglass you solve the problem. Again if you need bass extension to the lowest octaves (30 Hz) you will have to add subwoofers and your budget has to almost double, I thought you could get deep bass from 8x7" drivers but it is not the case. I am actually planning to have 2 Citrine subs to build in the next month or so. What I can assure you is that those monsters can play very loud with a big sound stage. As for my overall verdict I can only wait to build the subs and only then will I be able to make a real one. When you decide to build a speaker this important you will have to make some decisions and compromises, I was very tempted to build the XT 8 with better woofers but had to put 1000 \$ extra, now I am putting 2000 \$ extra for the subs would the XT8 give deeper bass than the RS 8, the only way to know is to go and have a listen!!!!!!!!!!!!!! Weight is another problem while building those monsters, you need 2 other hands to help move them and a very good back too!!!!!!!!!!!!!! Hope I answered all your questions. Good luckJP