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Subject: How to choose the correct Horn??

Posted by [Jeremy Bridge](#) on Thu, 06 Nov 2003 01:39:27 GMT

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I was directed this way by members from another board, they commented there is an all knowing man here named Wayne that would most likely have the answers I am looking for? :) So on to my question. I am in the process of building new cabinets for my PA rig. It will be a medium size 4 way rig. I have decided on the 300hz-85hz-down range, but I am in need of guidance for 300hz +Right now my plans for this consist of 8 two way cabinets with one 12" and 2" compression driver each. Ideally I would like to horn load the 12" but it will probably end up being front loaded, as I lack the experience to correctly design a horn loaded midrange, and cannot find any solid plans for building one, which I know will sound nice. (open to suggestions) Right now I am going to use either a Kappa Pro 12, or a B&C PE32 12" for the midrange. But my real question lies in the mid/high 2" horn. I am confused on how to choose the correct horn flare for the compression driver. I will be using either a Zomax 2445, or a Selenium 3300TI (depending on funds). I would like a 60x40 dispersion, and for the horn to go down to 1000hz. But past that I really do not know how to go about choosing the horn as it seems manufactures provide little information about them. If anyone can shed some light on this mater I would greatly appreciate it! Thank you!