Subject: What about this combo?
Posted by Jerry Parker on Tue, 01 Jan 2002 21:00:48 GMT
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Hi. After reading Wayne's post about piezo's made by Motorola being nice drivers for the money, I came up with a potential system plan:An Eminence Alpha 10" woofer. I believe they cost around 35 dollars at PartsExpress. For the highs a MOTOROLA KSN1142A HORN DRIVER. Here is a link to it:
http://www.partsexpress.com/pe/showdetl.cfm?&User_ID=4016269&St=9944&St2=78088592&St3=70578694&DS_ID=3&Product_ID=7314&DID=7. Now the part I dont understand is finding the right horn lens for the piezo! Can you purchase a generic one, or do you have to have a specific horn shape for the driver to work properly? Parts express has generic horns for around 12 dollars. So for all of these parts it looks like around 120 dollars. For the xover it should cost about 20 dollars or less. So that leaves 60 dollars for the cabinets. I was thinking about a 2 cubic foot box tuned to 45hz. Would that provide great bass that would give you that "kick" in the chest? If not, what box alignments would you reccomend? Thanks!

Subject: Re: What about this combo?
Posted by Adam on Tue, 01 Jan 2002 21:28:02 GMT
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Did you look at all at the combo that I came up for you? At least give it a quick look, it took me a whole 15 minutes :)2421.htmlI think it would be best for your system.... No piezos, all Eminence stuff. There are different types of horns, but for a simple system like this, I wouldn't worry about the details *too* much. An exponential or traxic horn would be the best design in this situation, with something like a 90x40 radiation pattern, and a flare frequency around half of the crossover frequency. I really doubt that piezo actaully goes down to 1800, but I could be wrong. The horn also has to be 1 3/8" TPI thread.The box yo proposed should work fine, but I would tune slightly higher, perhaps to 50 Hz. You might want to try a vb of 2.7 cuft and a tuning of 50 Hz. There is a technical term for this alignment that escapes me at the moment, perhaps wayne can help... Is it QB3? Anyway it'll yield extremely flat response down to about 50 Hz. Good luck!

Subject: Re: What about this combo?
Posted by Jerry Parker on Tue, 01 Jan 2002 22:00:52 GMT
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Oh, sorry, yeah I looked at it, but didnt Wayne say something about cheap compression drivers not being of very good quality? I mean, if this one will sound fine and go moderatly loud, then we can go with this one. I just want to be sure and have a complete system layout ready for my

friend when he gets back from vacation, so we can order the parts immediatly and get to building! :-)

Subject: Re: What about this combo?
Posted by Adam on Tue, 01 Jan 2002 23:59:21 GMT
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Well the thing I selected isn't a compression driver, it's a supertweeter which are two different things.Adam