Subject: Any interest in a diy esl project?
Posted by moray james on Tue, 24 May 2005 23:55:08 GMT
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Curious to know if there are current esl builders or new want to build members interested in a diy esl project? I have posted at diy audio at diyhifi.org and at the speaker section of gain clone dot com. Check it out and comment. Thanks, look forward to comments and suggestions.

Subject: Re: Any interest in a diy esl project?
Posted by Jerry Kinzel on Wed, 25 May 2005 01:44:45 GMT
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Yes, I am planning to build a pair of ESL's. The perforated steel arrived today, purchased an electronic crossover and copper foil on e-bay in last few days. I am planning on making them flat and 1.5 by 5 ft. Have yet to buy step-up transformers, bias supply and mylar. Let me know if you have suggestions for these items. Thanks, Jerry

Subject: Re: Any interest in a diy esl project?
Posted by moray james on Wed, 25 May 2005 16:44:52 GMT
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Hey Jerry: have a look over at DIYHIFI.org, http://www.diyhifi.org/forums/viewtopic.php?t=300&postdays=0&postorder=asc&start=0You will find most of the useful info I can provide there. Do you plan to run full range or willyou use subs for the bottom end? I have run 70 volt line transformers backwqrd and obtained excellent results with panels like yours. Very inexpensive too. I you use larger spaceing then you can run two of these transformers to get more step up as well as a centre tap. Regards Moray James.

Subject: Re: Any interest in a diy esl project?
Posted by Jerry Kinzel on Wed, 25 May 2005 21:16:21 GMT
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Thanks for the information Moray, greatly appreciated. I plan on using a mechanical woofer, probably crossing over at 400-500 Hz. I am still tempted to try slighlty curved stators, perhaps on the order of 15 degrees. Anyone have any thoughts or experiences? I don't want to kill imaging, but also don't want the "head in vise" either. All thoughts and suggestions welcome. By the way, to make electrical contact with the diaphram, I found 1/4 inch wide, 1 mil. thick copper adhesive

backed tape on e-bay under stained glass accessories. Cost was less than $7, including shipping.

Subject: Re: Any interest in a diy esl project?
Posted by moray james on Wed, 25 May 2005 22:08:04 GMT
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Jerry: I would have to pull the transformers out of a box to tell you. I can say that they were very small no name bought at Radio Shack. They were perhaps about 1.25 inches square or so. You don't need to worry about wattage rateing. I remember buying other larger wider bandwidth units that did not sound as good. Snag some cheap ones and give them a try. Regards Moray James.

Subject: Re: Any interest in a diy esl project?
Posted by Jerry Kinzel on Wed, 25 May 2005 22:55:54 GMT
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Thanks, I'll give them a try - not much to risk investment wise! Of course it will be several weeks before I will be in a position to test them! (If I'm lucky - my son will probably say several months - and will more than likely be right!)

Subject: Re: Any interest in a diy esl project?
Posted by sam9 on Fri, 01 Jul 2005 19:33:47 GMT
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There is a DIY ESL project under development at ESP (Elliot Sound Products) sound.au.com