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Subject: Spring projects...

Posted by [themilford](#) on Fri, 30 Mar 2007 15:28:02 GMT

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Long time no post... sorry I haven't contributed more.but, maybe you can help me with a few questions.I think I'm going to move the Delta 12LFs from my Karlsons into some proper Theater 3 Pi boxes. (So Wayne I'll need some plans). I have the crossovers and comp/drivers but I have the H295 horns and wonder if I should get the H290s?Also, I was thinking of putting the Beta-12LTs into the Karlsons... I'd like to try them with some sort of "super tweeter" like the Fostex FT17H (or the T-90A if I can get some cash together). My last question is: can anybody here figure out what sorta crossover I'll need for this? If I just want to run the 12LT wide-open and put a cap in front of the tweet what value?Does anybody have any experience with this set up?Thanks guys,David

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Subject: You've got mail!

Posted by [Wayne Parham](#) on Sat, 31 Mar 2007 15:35:15 GMT

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first-order works best on something like that. First-order crossovers have such wide overlap that the choice of components isn't all that critical. You have about +/-2x window there. So I'd

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Subject: Re: You've got mail!

Posted by [themilford](#) on Mon, 02 Apr 2007 02:48:54 GMT

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Thanks Wayne.I'll let you know how it goes... Will I need to pad the tweeter? should I just get a cheap L-pad?

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Subject: Re: You've got mail!

Posted by [Wayne Parham](#) on Mon, 02 Apr 2007 13:37:13 GMT

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If you're asking about the Fostex tweeter and the Beta 12 midwoofer, then yes, I'm sure you'll want to pad the tweeter. I prefer fixed voltage dividers made with discrete resistors, but you could also use a variable L-Pad.

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Subject: Re: You've got mail!  
Posted by [themilford](#) on Wed, 04 Apr 2007 04:43:47 GMT  
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Wayne, Actually I'm gonna try running the Beta 12 LT which has the whizzer cone... I think it goes up to about 8 or 9k. Would you recomment a smaller cap value then?I was figuring I would get a cheap L-pad. Find the best setting. Then measure and replace with resistors.thanks again!

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Subject: Re: You've got mail!  
Posted by [Wayne Parham](#) on Wed, 04 Apr 2007 13:33:50 GMT  
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Subject: Re: Discrete resistors vs. variable L-Pad  
Posted by [dB](#) on Fri, 06 Apr 2007 09:58:29 GMT  
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Hi,Wayne, is the variable L-Pad frequency dependent, showing a different L/R "behaviour" with frequency, or just a "neutral" component more like (variable impedance) non inductive discrete resistors? Or is it necessary to measure L-pad inductance "L" also? Cheers.note: I am using L-Pad's in addition to discrete resistors to achieve a plus/minus output control that you mention earlier in your definitions of a perfect L-Pad xover design.

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Subject: Re: Discrete resistors vs. variable L-Pad  
Posted by [Wayne Parham](#) on Fri, 06 Apr 2007 16:34:20 GMT  
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Some L-Pads are made to hold their impedance constant, but others are really just potentiometers. The latter will cause crossover characteristics to shift as the slider is moved.

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Subject: Re: Discrete resistors vs. variable L-Pad - Thanks!  
Posted by [dB](#) on Fri, 06 Apr 2007 18:23:51 GMT

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Thanks Wayne. I was afraid that they were inductive, like in resistors. I tried to measure one but is kind of difficult.

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