
Subject: Pi 2 Tower Cross Over frequency
Posted by [Mark Andrews](#) on Sun, 11 Mar 2007 09:24:16 GMT
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Wayne what is the ideal crossover frequency of the 2 Pi Towers? I wind my own coils and would like to start. Thanks

Subject: Re: Pi 2 Tower crossover
Posted by [Wayne Parham](#) on Sun, 11 Mar 2007 19:05:22 GMT
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across the tweeter. The series coil in the woofer circuit is 0.5mH. No Zobel is used, so it doesn't form a true first-order crossover. The voice coil has fairly high DC resistance, so the series coil acts partially as a low-pass filter, but the voice coil also has inductance which makes it act partially like a two-coil inductive voltage divider.

Subject: Re: Pi 2 Tower crossover
Posted by [Mark Andrews](#) on Mon, 12 Mar 2007 05:07:06 GMT
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Thanks Wayne. I was going to wind new coils on my AVO winding machine but with as low a DCR as possible to ensure minimal loss in efficiency. Would you recommend that I rather use the kit supplied unit as it is matched DCR wise too? (I have not received kit yet obviously) TaMark

Subject: Re: Pi 2 Tower crossover
Posted by [Wayne Parham](#) on Mon, 12 Mar 2007 12:56:40 GMT
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The coils that come with the kits are pretty nice, but you can sure upgrade them with your own, if you like.

Subject: Re: Pi 2 Tower crossover
Posted by [Mark Andrews](#) on Tue, 13 Mar 2007 06:18:13 GMT

Thanks for the feedbackMark
