
Subject: OK, so I had to go and get a pair of those Rat Shack...

Posted by [Garland](#) on Wed, 23 Jul 2003 19:31:37 GMT

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...40-1310 super tweeters while they were on sale and now what do I do with them? Add 'em to the Theater 4's? what's the best way? or pop 'em on top of the RS 1354's in the TQWT? I'd appreciate tips from those who might have successfully integrated this supposedly decent tweet. I am looking for the last bit of air in the Theater 4's but may have to settle for improving the high end of the quasi-Voights. Thanks.G.

Subject: Oh, and I wanted to say hi to you guys!

Posted by [Garland](#) on Wed, 23 Jul 2003 19:50:36 GMT

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...Have been busy playing with my Foreplay preamp the last few weeks- sounds good with Magnequest parafeed output transformers! The Theater 4's really let the subtle changes in electronic tweaking really stand out! -What an addictive hobby!G.

Subject: Top octave super tweeters

Posted by [Wayne Parham](#) on Wed, 23 Jul 2003 20:13:35 GMT

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In the seventies, I used a super-tweeter from 5kHz and it was advertised to 40kHz. Great sounding part with sizzle and great clarity too. The super-tweeter was a round horn with an aluminum diaphragm, about 3/4" as I recall. I ran 'em with a second order Butterworth and a 20 ohm resistor in shunt across the tweeter.

Subject: Godzilla had the interesting idea . . .

Posted by [Tightwad](#) on Wed, 23 Jul 2003 22:49:04 GMT

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. . . of firing them backwards.

<http://www.melhuish.org/audio/diy47.htm>

Subject: Re: Top octave super tweeters
Posted by [Garland](#) on Thu, 24 Jul 2003 14:41:34 GMT
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I notice that the crossover in the RS tweeter has an inductor(.26mH). I assume this is a 12dB crossover. What if the inductor is removed? Can the crossover point be raised from what I believe is too low? Does a larger cap or a smaller cap than the stock 2.2uF effect such a change? I want the super tweeter to take over for the PSD 2002 in as natural a way as possible(least electronic filtering concurrent with phase coherence)using the natural roll-off of the Eminence tweeter.
Thanks.G.

Subject: Re: Top octave super tweeters
Posted by [Wayne Parham](#) on Thu, 24 Jul 2003 15:13:35 GMT
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You'll probably blow the tweeter at very low power levels (like under 10 watts) if you remove the coil. I'm confident you've correctly identified that as a shunt coil forming a second-order high pass filter. Same thing with the crossover point - It probably can't be pushed any lower without damage to the tweeter.

Subject: How about higher on the X-over point? nt
Posted by [Garland](#) on Thu, 24 Jul 2003 16:21:34 GMT
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nt

Subject: Higher is generally safe.
Posted by [Wayne Parham](#) on Thu, 24 Jul 2003 18:48:53 GMT
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