
Subject: "Ambience" Supertweeter
Posted by [FredT](#) on Wed, 18 Aug 2004 22:30:49 GMT
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I am basically a high end audio guy that strayed into tubes, SET amps, single drivers, etc a few years ago. I still miss the "air" you hear with a high quality amp driving a true high end speaker with a well designed crossover and expensive drivers, a sound which is sadly missing in most single driver speakers driven by set amps. I had a pair of Radio Shack horn loaded dome tweeters, so I installed them with reversed phase in the back of my Fostex Voigt pipes. The objective was to add that high frequency information that's lacking with the Fostex drivers. The speakers sound very nice with the addition, and I plan to install a switch so I can silence them whenever I want. Picture at <http://fredt300b.smugmug.com/gallery/132721/5/7477861> Has anyone else done this with single driver speakers? What were your impressions?

Subject: Re: "Ambience" Supertweeter
Posted by [akhilesh](#) on Thu, 19 Aug 2004 14:16:07 GMT
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I completely agree. I added a supertweeter to my trusonic system & it made a very large difference. It's not a tweak, it's a necessary ingredient for some drivers, like the trusonic. IF you go further down this forum, you will see mor detail on my set up. thanx-akhilesh

Subject: Re: "Ambience" Supertweeter
Posted by [TC](#) on Thu, 19 Aug 2004 17:54:55 GMT
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Godzilla did it about a year ago with pipes. I tried it with Fostex alnico tweeter and have built a few systems with it. Works gleat. Snell trick.TC

Subject: Re: "Ambience" Supertweeter
Posted by [Lee](#) on Mon, 30 Aug 2004 06:16:40 GMT
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Very good, beautiful pictures. I used that Radio Shack tweeter when I was in the USA and loved it. Powerful, crisp and bright. I had a speaker very much like yours with Fostex main driver in large horn and this super tweeter. That was a very good sounding speaker. The Radio Shack super tweeter horn handles 40 watts if I remember, but if you do not use their built-in LC crossover you

can damage it with very low power. Be careful with a 1.5uF cap because it can probably only handle less than 10 watts. I could use it with a 45 amp no problem, but destroyed two pairs of them with my 845.

Subject: Re: "Ambience" Supertweeter

Posted by [FredT](#) on Mon, 30 Aug 2004 08:20:10 GMT

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Thanks for the warning about using a 1st order crossover with these tweeters. I pulled the stock crossover because it uses very cheap parts (an miniature electrolytic cap and a pencil-thin iron core inductor) and because I want to minimize the interaction between the full range front driver and the ambience supertweeter, which requires a higher crossover frequency. I may try a 2nd order configuration crossed at 10K and see how it sounds. This would make them bullet proof bullets (no pun intended).
