Subject: Coaxial Drivers (1pi Tower Maybe ?)
Posted by Steve H on Tue, 23 Jan 2007 16:22:34 GMT
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All, Anyone ever try some of the coaxial drivers Eminence offers ? In referring back to the studio 1pi tower discussion, it would be interesting to do a dual-driver setup, one being coaxial, the other a regular driver. Thoughts anyone ? I have heard GREAT things about the B&C driver; but they are quite pricey.Regards, Steve
 Eminence Coaxial 8"

Subject: Re: Coaxial Drivers (1pi Tower Maybe ?)
Posted by Wayne Parham on Tue, 23 Jan 2007 16:37:50 GMT
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I was never very happy with coax setups. Either the tweeter is compromised or the midwoofer is. Size and position constrains one or the other. However, Adire Audio used to make a speaker just like you've described with Eminence coax drivers and it was pretty well liked.
 HE10.1 plans

Subject: Re: Coaxial Drivers (1pi Tower Maybe ?)
Posted by Steve H on Tue, 23 Jan 2007 16:59:14 GMT
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Thanks Wayne. I saw that last night; but I wasn't quite sure which driver they were using....But you answered that question. Interestingly enough, eminence has these plans on their site; which the HE10 seems to mimic somewhat.
 Eminence beta 10cx plans

Subject: Re: Coaxial Drivers (1pi Tower Maybe ?)
Posted by dB on Wed, 24 Jan 2007 13:08:00 GMT
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They are required in some STUDIO situations instances in the case you are to close to them and you need correct phase output. Tannoy is a good example of that. And others of course.
 One day in Paradise.

Subject: Re: Coaxial Drivers (1pi Tower Maybe ?)
Posted by FredT on Fri, 26 Jan 2007 11:27:30 GMT
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A friend just bought the Hawthorne Audio Silver Iris and Augie drivers, which appear to be a specially modified Eminence 15" coax modwoofer/tweeter (the Silver Iris) and a 15" Eminence woofer)the Augie), all intended for an open baffle configuration. I will be building a pair of baffles for him, coincidentally today. I have some doubts about how seamlessly a 15" woofer will cross over to a small coaxially mounted horn tweeter, but with speakers the proof is in the listening. After it's completed and had some breakin time I'll report on its sound in the high efficiency speaker forum.
Hawathorne Audio Silver Iris Review

Subject: Re: Coaxial Drivers (1pi Tower Maybe ?)
Posted by SteveH on Fri, 26 Jan 2007 11:37:22 GMT
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Fred, Im really looking forward to seeing your work and hearing your comments ! In reading the review, it seems most of the gripes perhaps would be smoothed out by a different crossover arrangement. Im kinda surprised at the crossover they used anyway; as some other coaxial drivers (PAudio for example...) are simply using one capacitor - that's it."...One big advantage of a coaxial speaker is that the compression horn tweeter is separate from the woofer--but still coaxially located for pointsource sound. Because of this, it is possible to use different value capacitors to control the point at which the tweeter begins to play. Doing so can change the sound from 'soft, warm, and smooth' to 'clear, bright, and detailed'. You can do this manually by wiring in capacitors of different values. Or you can use the above 'single pull, triple throw' high quality switch to wire up three different capacitors at the same time. Select whichever one best suits the recordings you're listening to. It's like having three different speakers. This is not an 'L-pad' which just turns the tweeter volume up or down. This switch changes the crossover point to completely change the nature of the speaker. "Thanks again. Steve