
Subject: Jim Griffin CSS Betals
Posted by [JPH](#) on Wed, 12 Mar 2008 13:11:51 GMT
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CSS BETALSLine source tower speaker kit Originally designed by Dr Jim Griffin with the DEQX DSP based crossover, EQ and multiple amplifiers, Dr Griffin has just completed the passive crossover version. Each cabinet will house 12 WR125ST woofers and 9 Aurum Cantus G3i-130 ribbons. Where can one have more details on those kits specs and description ?Anyone heard them or built them yet ?Thanks

Subject: Re: Jim Griffin CSS Betals
Posted by [FredT](#) on Wed, 12 Mar 2008 14:32:09 GMT
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I heard the active DEQX versions at last year's Lone Star Audio Fest, and they were very impressive. I have no idea how the passive version will sound, but I am familiar with the CSS drivers used in this design and they are among the "best behaved" extended range drivers I have heard. Their response is flat across the spectrum up to about 10khz, and their Xmax is about 6mm, giving them exceptional bass capability for a small driver. There's almost none of the 5khz to 7khz breakup that's characteristic of many other high quality midbass drivers, so I would imagine the passive version can be implemented with a fairly simple crossover that doesn't compromise the sound.I'm hoping Jim will read this and respond, but if he doesn't you could contact him at jrgriffin@cookeville.com

Subject: Re: Jim Griffin CSS Betals
Posted by [JPH](#) on Wed, 12 Mar 2008 15:00:17 GMT
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How about the Aurum Cantus G3i-130 ribbons. versus the Fountek Neo 2 ?

Subject: Re: Jim Griffin CSS Betals
Posted by [Bob Reimer](#) on Wed, 12 Mar 2008 15:50:57 GMT
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Hi,Please note that there is an error in the description of the drivers. Jim did the design with 12 WR125S per side and not WR125STs. Since the WR125S has been discontinued the kit would now ship with FR125S and I will update the website.Detailed drawings, etc are available if you

send me an email through the website.Bob

Subject: Re: Jim Griffin CSS Betals

Posted by [Jim Griffin](#) on Thu, 13 Mar 2008 02:31:29 GMT

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Fred, Thanks for the report and the favorable comments. While I use my active bi-amp'ed DEQX version at home, the passive crossover version is more than acceptable to those who don't wish to have an active crossover. The crossover (1750 Hz) for both the passive version (4th order) and active version (8th order) is steep enough so you would not hear any out of band 'funnies' from either implementation. Bob Reimer can supply more details on the box drawings and a write-up on the line array implementation. This design is intended to be used with one or more subwoofers to augment the bass below 60 Hz or so on the low end. The towers are relatively petite (12"W by 9.5"D x 6"H) versus other line array enclosures. The FR125S woofers are in a closed box alignment so their bass response rolls off in a well controlled and true 12 dB/octave (2nd order) slope. The impedance for both lines are 6 ohms. The result with the clarity of the ribbons and the tightness of the bass is stunning. For what it is worth, Fred heard the arrays without subwoofers at the Great Plains Audiofest. I did equalize the bass a bit within the small hotel room so that the bass was adequate for this configuration. For what Bob is asking for the kit, it is a great deal for the money. Let me hear if you need more info. Jim
