Subject: Help! I'm looking for crossover suggestions for JBL 2445/2446 compression drivers!
Posted by Mikey on Thu, 19 Sep 2002 12:01:25 GMT
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Hi everyone! I'm starting to research my winter loudspeaker project, and I've decided on a two-way high efficiency design. The woofer will be a 15" unit (TBD), and the compression driver will be a JBL 2445H/J or 2446H/J, most likely mated to a JBL 2380 or 2382 horn. I'd like to cross the system at 500-600 Hz, and I'm looking for suggestions for a passive crossover for this compression driver / horn combo. I realize I will have to apply some EQ to obtain flat response up to 20KHz. So my questions are: Are there any commercial JBL products which utilize this driver / horn combination at this crossover frequency? If so, where can I obtain the schematic for the crossover? If not, has anyone [Wayne, this means you :-)] got any ideas where I could start with this design? Thanks in advance, Mikey

Subject: You've got mail!
Posted by Wayne Parham on Thu, 19 Sep 2002 16:25:07 GMT
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1.0kHz, 1.2kHz and 1.6kHz. Each has response that's specifically tailored for use with horns such as yours, having flat response for the tweeter horn from crossover up to mass rolloff, and then rising response after that.For two inch exit drivers, I recommend the 500Hz, 600Hz and 800Hz versions, because high frequency compensation comes in sooner, as is appropriate for 2" drivers. The 1.0kHz, 1.2kHz and 1.6kHz crossovers are designed to work well with 1" units. Those are better for DI-matched two-ways, as you can expect 12" and 15" woofers to have similar horizontal coverage to 90x40 horns when crossover is made in this frequency range.You may also be

crossovers and other similar units, and it shows their response curves and other useful information. I did not send this by E-Mail, but you can download it if you wish. It's a couple of megabytes, so it may take a few minutes to download.