Subject: Re: Eminence Delta Pro 8-A in a JBL AM6200-64 horn project
Posted by Wayne Parham on Thu, 15 Jun 2017 20:23:12 GMT
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Do searches here because you'll find a lot of information about horn loaded loudspeakers and how to design them.

I will tell you this for starters: A horn is really maxxed out at a decade, which is a little over two octaves. So if you plan to horn-load that driver, keep this in mind. You can do a hybrid approach that rear loads the river with a Helmholtz cavity like Altec did to get some bass, or you can rear-load with a transmission line or horn. But those approaches complicate the design, and even a "standard" horn design is sometimes difficult for a first-time build because of the additional challenges of acoustic filter function created by the horn/waveguides, modified (but usually improved) directivity, shifting acoustic centers and requisite crossover phase, limited passband, etc.