Subject: Studio 2 Tower -- Theater 3 hybrid experiment
Posted by Patrick Kopson on Fri, 16 Mar 2007 20:24:45 GMT
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This hybrid will consist of the Studio 2's Vifa DX25, and the Theater 3's Eminence Delta 12LF and in a Studio 2 Tower sized cabinet with similar "minimal crossover". Port sizing will be determined experimentally, staring with sims from WinISD.I am hoping an appropriate inductor can tame the 12LF's response peek before its natural roll off (as done for the Alpha 10).What inductance range would be reasonable? Would a slightly more complex notch filter be required?Some suggestions for adjusting the DX25's capacitor (and possibly resistor) to move its roll off to better match with that of the 12LF (about 3500 Hz?) would also be helpful.I know I really should acquire and learn P-spice to figure this out myself (and I plan to eventually), but I am far more excited about this experiment than P-spice right now.I am also aware that the published efficiency of the 12LF is notably higher that the DX25, but I will pair each with better matches in the future if this hybrid doe not work out to my liking (or my son's).Thank you in advance for your help.