Subject: Re: Start with a standard Pi ...
Posted by Wayne Parham on Tue, 09 Aug 2011 13:09:32 GMT
View Forum Message <> Reply to Message

Forget the mods unless you want to go through a complete design/test/refine/retest design cycle. I've spent literally hundreds of hours refining each model, and that's after three decades of developing this design type. It just doesn't make sense to throw all that out the window unless you want to experiment with measurements, crossover design and standing wave modal analysis of the cabinet. Untested mods throw away what amounts to thousands of dollars of R&D labor just to make a box a little different shape/size or try a different driver.

PSD2002 and upgrade it later. But again, don't modify unless you're comfortable with a redesign and test cycle. These are mature designs that have been optimized for the drivers chosen. Their shapes and sizes and the positions of the drivers and port are as important as the crossover components where smoothness and overall performance are concerned.

One last suggestion: Save up for subs before upgrading the woofers and tweeter, whichever model you choose. All models are designed to take advantage of multisubs, two flanking and perhaps one or two more distant. The subs provide extension and modal smoothing.
High-Fidelity Uniform-Directivity Loudspeakers