Subject: It's not easy bein' green with 2 Pi's (sort of long)
Posted by Alan James on Fri, 14 Mar 2008 04:15:26 GMT
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I've built a pair of 2 Pi's constructing the enclosures out of laminated corrugated cardboard. I had a lot of long boxes left over from a new garage door and I decided I should try to use some of it. I laminated five sheets together, with a 90 degree twist to eachsuccessive sheet (in theory - in practice I did not quite have enoughcardboard to rotate all of the sheets). This gave me a panel witha thickness between 5/8" and 3/4". Then I cut the panels to size on mytable saw with a fine toothed saw blade or with a mat knife. I did a bit of experimenting. Elmer's Glue is became my best friend!I was not sure if I could build a reasonable speaker enclosure with this material, but it was a lot of fun to try but also somewhat frustrating to build them. Wayne gave me suggestions on the construction, which helped a great deal. I did not have enough cardboard to attempt the Towers, although I might consider them if I can come up with enough material. The (somewhat) finished products are usable and sound great, but are very, very ugly. I'm trying to decide if I want to paint them.A few comments:Corrugated cardboard is very hard to work with. As an architect, Ibuilt my share of corrugated cardboard models while in college, butworking with 5/8" thick panels is extremely difficult. Straight edgecuts are almost impossible. Cutting the panels on a table saw producessome really nasty saw(paper)dust.I braced the boxes with quite a bit of wood, per Wayne's comments.Bracing was glued and screwed or at least glued to the cardboard. Iused a lot of Elmer's white glue.I spent a lot of time considering the front panel. Since one cannotscrew into cardboard, I had to devise a way to fasten the speakers. Atfirst I considered through bolting, but then realized that I wouldhave to cut open the boxes to ever get the speakers out. Then I designed many elaborate combinations of cardboard and wood anchoring points. In the end, I grabbed a sheet of 3/4" plywood sub-flooring that I had in my garage and just made wood front panels.So, I've got the Pi Two's, and they work very well with my BottleheadForeplay / SEX combination. They are as ugly as sin, but since theywill be providing music for me as I refinish my basement, I think I'llleave them until the basement remodel is complete.