Subject: My One Pi's are done (almost)
Posted by RMW on Mon, 07 Feb 2005 00:25:21 GMT
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Continuation of this thread:http://www.audioroundtable.com/PiSpeakers/messages/16194.htmlMy woodworker friend and I finally finished off the baffles on Saturday morning. The cutouts for the LF and HF drivers and the cutouts for the terminal cups are all rebated, so the drivers and cups sit flush. I soldered the wires to the terminal cups a couple of days ago, so assembly went pretty quickly. I came up with a (seemingly) clever way to attach the coils to the baffles. I rolled a piece of Blu-Tak style putty (the stuff that's used to stick up posters, etc.), into the shape of one of those funny cigarettes that people used to smoke at concerts, then molded it to a circular shape and pressed it onto the bottom of the plastic bobbin air core inductor. Then I took two ordinary twist ties and set them on the back side of the panel in an X shape, then fastened them to the baffle with a heavy duty staple. Next, I lifted the four ends of the ties to a vertical position, and slid the coil down onto the baffle, putty side down. Last step was restoring the twist ties to the original X shape, and stapling the four ends to the baffle. Hopefully, the coils won't ever move or rattle. All panels except the baffles are finished with black chalkboard finish. The baffles are unfinished at this point, and I'll probably leave them that way, and add grills to help with any SAF issues. Due to a size issue with the mailing tube I bought, and my reluctance to vary from Wayne's tried and tested design, I'm still on the lookout for mailing tube that's 2 1/2" OD and roughly 2 3/8" ID. In the meantime, I'm running with simple ports, and the speakers are impressive even though they're not "done"! My system includes a Rage 12" DVC sub:http://subwoofers.cc/remain.aspin a sealed two cu. ft. box, with 120 watts (courtesy of my QSC Model 5.1 amp) available to each voice coil, and a Yamaha RX-V640 HT receiver. I built six identical One Pi's, and I spent yesterday evening listening and growing more and more convinced that I made a good investment choice. I have a pair of Koss PRO3AA Titanium headphones that I use for reference, and the only adjective I want to use to describe these speakers is IMPRESSIVE. I keep going back to the Cowboy Junkies "Trinity Sessions" CD, especially "Misguided Angel" and "Blue Moon Revisited". For me, ultimately it's about the music, not the equipment, and when I close my eyes, it's like Margo is in the room with me "Dark Side of the Moon" was pretty cool too, as was the Clapton "Crossroads" concert DVD. I think this is the start of a beautiful relationship!I had some rectangular pieces of MDF left over, and I modified a speaker stand idea that I saw somewhere on the Internet. I picked up a ten foot length of 4" PVC pipe, cut it into four identical lengths, and covered the tubes with oak grain contact paper. I selected four of the larger scrap pieces for bases, and four smaller pieces for platforms, and had my woodworker friend rout circles in them, to a depth of 3/8" in the 5/8" material. I primed the MDF and let it cure for a couple of days, then coated the pieces with some leftover chalkboard paint. As soon as the paint dries, I will glue the tubes to the bases, using Elmer's Probond polyurethane glue. Here's the fun part.When the glue has cured completely, I'm going to fill each tube with play sand, packed as tight as possible. The last step will be to glue the platforms to the tops of the tubes. I figure I should be able to start using them at this point, and use my new speakers to "clamp" the platforms until the glue has cured. Wayne, I can send you some pictures of my new speakers and stands if you like. I don't have a Web site of my own...