Subject: Theater 4 Pi Shopping List Questions (long)
Posted by trancemitr on Wed, 23 Jan 2002 16:05:18 GMT
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I'd like to verify everything before I place the order to Parts Express. This may be annoying, but I like to be thorough. Also, if anyone ever wants to know, all the answers should be here. Please correct me if any of this is wrong. (x2) Eminence Delta 15A 290-418(x2) Eminence PSD2002-8 horn driver 290-442(x2) Eminence H290 horn lens 290-554(x2) Eminence pxb2-1k6 crossover 290-634(x2) 8 ohm 100W non-inductive resistor 019-020(x2) 20uF 250V polypro cap 027-436(x16) 16 ohm 10W non-inductive resistor 004-16(x2) .47uF 400V by-pass cap 027-458Cabinets: I've already purchased the 3/4" MDF and 1"x2" bracing wood. I'll probably buy a Jasper Jig to cut the circles with my plunge router.Binding Post: Any suggestions? Is a terminal cup necessary? What's good enough for Wayne is good enough for me. Port Tube: I read in the archives that it would be okay to use 4"x4" PVC. True or false?Damping Material: 2" fiber filler? What is this stuff? Does it have paper on the back like fiberglass? What's the model/brand so I can just ask for it at the building supply store. Hookup Wire: I think that's what you'd call it (never built a speaker before). The stuff that'll go from the crossover to the drivers. Should I be using speaker wire? Any specific suggestions?I think that should about cover it. Am I missing anything? Thanks in advance guys. I only knew enough to ask these questions after searching the archives, I just want to be positive before purchasing anything. Thanks in advance.Kevin

Subject: Re: Theater 4 Pi Shopping List Questions (long)
Posted by Rudi on Wed, 23 Jan 2002 16:50:10 GMT
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May I just ask what type of cabinet are you making, sealed or vented?When I build speakers I rarely use jack terminals, cos they can get faulty over long periods of time.The best to use is Speakon Sockets and plugs, cos You can lock the cable, to stop it from being pulled out. Gold binding posts are okay for studio use or bedroom HI-Fi, where it doesn't get moved about much, but avoid using them if you make your equipment mobile, cos the bare strands can come adrift and touch each other.

Subject: Re: Theater 4 Pi Shopping List

Posted by Wayne Parham on Wed, 23 Jan 2002 17:19:18 GMT
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Your parts list is correct. You can also substitute the Peavey CH-3 horn for the H290. Check with Peavey's "dealer locator" to find the nearest source, if you're interested. For a connector panel, we use a connector panel that has bananna plugs with screw down terminals. Parts Express has an excellent gold plated bananna plug - screw mount connection panel for $4.00, Part number 260-309. You can use PVC tubing for your port if you wish. We use cardboard stock, 4" diameter with 0.080" wall thickness. You can find it listed as "BROWN MAILING TUBE .080 THICK". For acoustic insulation stuffing material, we use R-13 fiberglass insulation. Just remove the paper backing and glue or staple it in. Hookup wire should be a good quality oxygen-free stranded copper 14 or 16 guage speaker wire.

Subject: about the CH-3...
Posted by trancemitr on Wed, 23 Jan 2002 18:24:47 GMT
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Wayne, Thanks for responding so quickly. I thought there were problems connecting the CH-3 to the PSD2002-8. Something about needing an adapter? Is that no longer an issue?Kevin

Subject: Re: Theater 4 Pi Shopping List Questions (long)
Posted by trancemitr on Wed, 23 Jan 2002 18:28:28 GMT
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I'm building the Theater 4 Pi, which is a ported design using a horn and a 15" driver. It's a home hifi speaker. After being built and put into place, these speakers won't be moving an inch for years.Kevin

Subject: Re: about the CH-3...
Posted by Adam on Wed, 23 Jan 2002 18:35:58 GMT
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If the PSD 2002 is a bolt on, you'll need an adapter.The CH-3's are threaded horns.Adam

Subject: Use the PSD2002(S)
Posted by Wayne Parham on Wed, 23 Jan 2002 19:29:39 GMT
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You need the PSD2002(S)-8, Parts Express # 290-446 for use with a Peavey CH-3.

Subject: Thanks, Wayne (nt)
Posted by trancemitr on Wed, 23 Jan 2002 23:33:54 GMT
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