
Subject: Premium 4 cabinet modification
Posted by [LeeW](#) on Mon, 04 Sep 2006 16:40:56 GMT
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I like what Garland did with the Theater 4's, Can I modify the Premium 4 plans (center the horn, move the port to the bottom) without changing the results.Thanks, Lee
Theater 4's

Subject: Cabinet layouts
Posted by [Wayne Parham](#) on Tue, 05 Sep 2006 02:46:08 GMT
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designed. Some modifications can be made, some can't. One thing is for sure, if you keep them the same as the plans show, they'll sound good. But as I said, there are some styling changes

a pretty tight fit. The layout is somewhat dictated by front baffle area. It's an attractive layout, in

work for this model. Some move the tweeter outside. That's really the only mod that makes sense. You could go with a larger box, but that makes a different alignment and places the components in a different physical layout, so some design work would be required to make sure everything worked together properly.

Subject: Re: Cabinet layouts
Posted by [LeeW](#) on Tue, 05 Sep 2006 10:28:49 GMT
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Wayne, Would it be possible to either locate the port on the back of the Premium and center the horn or use the components in the Theater Cabinet? Thanks, Lee

Subject: Re: Cabinet layouts
Posted by [Wayne Parham](#) on Tue, 05 Sep 2006 16:10:12 GMT
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No, it won't fit. The port is 10" long so it cannot be placed behind the woofer or the tweeter.

Subject: Stand Height

Posted by [LeeW](#) on Tue, 05 Sep 2006 21:38:35 GMT

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Wayne, What is the ideal height (from the floor) for the center of the tweeter? Does anyone have any pictures of their Stage 4's on stands? Thanks, Lee

Subject: Re: Stand Height

Posted by [Wayne Parham](#) on Wed, 06 Sep 2006 02:52:00 GMT

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Ideal stand height really depends on listening position. Height can also be used to adjust the amount of boundary gain provided, and what frequency it stops working. In a live room, you'll probably want the speakers a little lower than a more typical room with carpeting and furniture. I've used little four inchers with a slight upward angle, and I've used taller 12" and 18" stands. I tend to prefer the 12" stands in most cases.

Subject: Re: Typical Room?

Posted by [Matts](#) on Wed, 06 Sep 2006 12:23:04 GMT

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Wayne, My room has 9' ceilings, real plaster walls on lathe, and an old hardwood floor that's the thicker kind, on a very good slanted-board subfloor, with one area rug in center under a coffee table, and no curtains. I've just had the Stage 4's tipped up in front w/ a piece of 3/4" plywood...think I'd be a candidate for the 4" stands? They sound good the way they are...but....always looking for something else to do. I finished my "SET-style" xover and it sounds great.

Subject: Re: Typical Room?

Posted by [Wayne Parham](#) on Wed, 06 Sep 2006 15:22:43 GMT

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Sounds like your room is pretty live. Plaster walls are much more reflective and provide less damping than drywall on studs with fiberglass behind. You said you have no curtains, just an area rug and I would assume some furniture. So I would expect your your room is pretty reflective. Is your hardwood floor on a concrete slab? Or is there a crawlspace underneath? If there is a crawlspace underneath, it may resonate at midbass frequencies and the increase in bass might sort of match the increase of mids and treble from having a live room. Hard to say without being there. When you clap your hands is it sharp? I mean, do you hear wall reflections almost as loud as the direct sound from your hands? If you stomp on the floor does it boom? Does it sound solid like rock or hollow like an empty barrel?

Subject: Re: Typical Room?

Posted by [Matts](#) on Thu, 07 Sep 2006 00:35:16 GMT

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good questions- when I clap, the sound comes from my hands, but with a short "reverb" effect that dies out quickly. There's a basement under the room, but the floor is very solid when I stomp on the floor and the sound deadens very quickly. Also, there are openings on all 3 walls that the stereo is not against. the Studio 2's sounded great in the room, as do the Stages. I have the Stages about 3' from the corner, few inches out from wall (there's a "sweet spot" there I can hear when I move them in and out), and the 3/4" ply under the front. I could try a stand, but not sure I need it.

Subject: Re: Typical Room?

Posted by [Wayne Parham](#) on Thu, 07 Sep 2006 00:59:34 GMT

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Very good. The quick "reverb" you mention is what I would expect from a room of your description. Sounds like your room is on the lively side. I probably wouldn't use stands in your case, or just the little ones that basically tilt back the speaker without adding any height.
