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Subject: Re: skywave's 3Pi subwoofer build

Posted by [skywave-rider](#) on Sat, 15 Dec 2012 20:27:17 GMT

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Wayne,

I finally found some Baltic birch in NYC. Very expensive, and I hope the shop can make straight cuts for me (they have a table saw, nothing fancier.)

Hoping not to bend your ear too much, I have a few questions.

The sub build is being done at my school as a Professor-financed student project. So we are not going fancy. I am a poor college professor! Hahaha.

I need it all done and integrated for a sound final exam exhibition and after party by Friday. So it has to be built in 1.5 days max.

But, in the room, a rectangular classroom, I want to use flanking subs. There is only one 3 Pi to be built. I was thinking of, if the wood was available, making 2 identical 3Pi boxes and loading the second with a Dayton classic sub and plate amp. (I already built this into a too small box for mediocre performance. What if I put the Dayton into that extra 3Pi box and tuned it for similar LF response?)

I understand that it's really the low mid-bass performance of the sub which is critical for flankers set up for stereo operation. So I don't know if it's worth a shot.

Another idea I had which would be less effective in eliminating the backwave rear wall bounce cancellation would be 1 mono sub between and behind the stereo mains, another at the mid point of an adjacent wall. I realize that would collapse the stereo image somewhat.

If I don't feel like spending the extra dough for the extra 3Pi box, I could borrow a Genelec sub from the recording studio. Don't know how that would flank with the 3Pi. It has some decent rolloff selections however.

Any good ideas here? Remember, the power requirements will not be much and excursion issues are unlikely.

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