
Subject: Re: Horns

Posted by [johnnycamp5](#) on Sat, 06 Mar 2021 22:54:46 GMT

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Thanks Wayne.

They (PE) sent me a 16ohm and an 8ohm compression driver so I had to get that straightened out first.

I only attempted this build since the horns go from 300Hz to 20,000Hz. (Really 350-18,000). I would never have attempted had I needed to build a passive crossover at frequencies north of 500 Hz. I do not have the confidence/technology/knowledge yet.

It's more of a "woofer enclosure build with horn dropped on top" build, not a "loudspeaker" build lol.

The JBL's are bandpassed from 45 to 450 Hz. using the Crown amp DSP.
Subs are low passed at 100hz using another Crown.

I had to pad down the CD's with a 25ohm resistor (series) to better match the 2226.
Then I just EQ the response once I had all the gains fairly matched.

Sounds real good now, more balanced and uniform than it has a right to, beings how I threw this thing together!. I'll try and post up a 1/12 smoothed FR at the listening position.
There are four subs across the front wall/floor laterally (one under each midwoofer and two towards the center) Also some new 4" thick panel absorbers. Bass response seems better than ever.

I was a bit concerned with the mid range from the CD, as sometimes they can be a bit edgy (Didn't they used to call them squawker's?) but things have smoothed out substantially and I'm quite pleased.
