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Subject: DSP for subwoofer(s)

Posted by [Rusty](#) on Sat, 19 May 2018 16:55:58 GMT

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Hello Wayne, hope your doing well.

I was looking at doing subwoofers for my old Theater 4 Pi's.

Actually I've been satisfied with the bass output of the eminence delta's in it. But I've had in box, (for many years) a real nice JBL 1500 subwoofer that really I should hear that this thing lives up to it's legacy. Space though is an issue. Those thermionic Pi's take up a lot of space. And I think the Pi subwoofer's are just too large a box unfortunately. Wonder if the Parts Express RSS10 subwoofer's could give adequate output then having the JBL behind the listening position.

Most electronic crossovers though only have high crossover slopes.

To implement these subs I've contemplated using the mini DSP device. I have a nice Hafler 9505 I could power the two 10's and a plate amp for the JBL.

My long winded question, (drum roll) is, The DSP seemingly has all the functions for crossover types and slopes, and fairly cheap, but I'm really not interested in doing all the measurement aspect using a usb mic. Essentially, using your recommendation of running the main speakers full range, I just want to plug in the crossover point, slope and level, listen and hopefully be done.

My thinking is your multi sub approach is fundamentally more important than all this DSP configuring and doing tedious minute measuring and tweaking. Your crossover network budget wise is tempting, works best with modifications. I just want to use the power sources I have and implement it the easiest non tweaking, modifying way. I'm older and retired and my impetus now involves a bit of loitering and lollygagging. Not fussing with complicated audio disciplines as in the past.

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