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Subject: Re: Low Pass

Posted by [Barryso](#) on Mon, 18 Nov 2019 20:11:13 GMT

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Wayne Parham wrote on Sun, 17 November 2019 19:39

And I wonder about Barry, who started this thread. His problems were mostly impedance-matching and lossy inline filters. How's it going there, Barry? Did you find a solution that worked for you?

Hi Wayne,

Even without the fmods there are still impedance issues but very minor. If you attach the cable to the sub amps (without turning the subs on) there is still a change in the sound. A tad less bass or a tad less volume? Don't know exactly what's happening but it's a bit less good with the extra wires attached. Of course when you turn on the subs it's clearly an improvement so it's not really an issue, just an observation.

The mono plate amp doesn't really sound as good as the crown but it still works nicely at lower, more traditional sub crossover frequencies like 60 hz. With the mono subs up front (crossed low) and the REL in the rear the 4's just sound great. The subs add texture to the bass and clear up the midrange beautifully.

I'm still bouncing around researching the crossover solutions. There are too many poor reviews of everything out on the net. And when you read the writings of 10 different audiophiles you get 12 different opinions.

:)

One question regarding the amp with the bass control at 100 hz. A stand alone 2nd order 100 hz low pass filter should cut output above 100 hz so that by 150 hz the output is down by 6 db and by 200 hz the output should be down 12 db. Easy. But below 100 hz it wouldn't change output. So in a perfect situation you'd see a flat line from way down low to 100 hz and at that point the output would go down as the frequency goes up.

But a 2nd order bass control on an amp would boost the frequencies at 100 hz and then fall off at 12 db in both directions. So the output would be reduced at 150 and 200 hz as it would with a stand alone crossover but wouldn't the bass control on the amp also cut the output below 100 hz on a 12 db slope, too? So at 50 hz there would be a significant reduction in bass?

Rusty,

A friend uses a wireless connection for his rear sub and it works fine. No idea the make/model but it's never seemed to be an issue in a system that always seems to have something not working properly. The wireless unit has been flawless. It seems you have a solution already but if you want to know what he's using just let me know.

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