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Subject: Pi push pull slot loaded subwoofers?

Posted by [Norris Wilson](#) on Sat, 05 Sep 2009 16:19:36 GMT

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Hi Wayne,

Do you offer a Push-Pull sub woofer design similar to your 12 Pi horn sub woofer, but with slot loaded cabinet?

If so, what are the dimensions of the box?

Would there be any special placement requirements over a single driver sub such as your Three Pi sub when doing a distributed arrangement of four different subs?

If you offer a PPSL sub design, could the cooling plugs and plates be adapted?

Would the cooling plugs and dissipation plates make a big difference in reducing distortion when being used for home duty at lower SPL's?

If all is doable with the PPSL design in a distributed form.

What power requirements would be needed?

Could one get away with a plate amp like the BASH 300 watt design with a 12db slope crossover per sub?

Or, would a steeper sloped crossover and higher power level be required to blend well with a pair of Four Pi monitors mounted up off the floor on risers?

If power requirements could easily be met for the subs. Would it be feasible to use a single BASH 500 watt plate amp with two Push-Pull subs per channel? I can only assume that the impedance might be a problem, with a possible two ohm load when using your 12" sub drivers at 8 ohms each.

Would there be a need of different crossover frequencies for the front and rear positioned subs?

And, how high of a frequency could this type of PPSL design work, 100Hz, 200Hz, or 250Hz with correct crossover and amplification?

Is there a possibility of using this distributed sub bass arrangement with a horn mid range, possibly as high as 250Hz in your corner mid-horn design?

As always, Thanks!

Norris

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