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Subject: 4 Pi speakers (Yuichi 480FL horn)  
Posted by [kongarne](#) on Tue, 28 Oct 2014 10:29:56 GMT  
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Hi

Just finished a speaker project a week ago, I am not sure these are approved as PI 4 speakers as they have some modifications

I used the Yuichi 480FL horn, the cabinet are about the correct size, flipped around 180 degrees

They sound very good! With Eminence all the way

#### File Attachments

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- 1) [20141024\\_223951.jpg](#), downloaded 5711 times
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  - 4) [20141023\\_173322.jpg](#), downloaded 5528 times
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Subject: Re: 4 Pi speakers (Yuichi 480FL horn)  
Posted by [Wayne Parham](#) on Tue, 28 Oct 2014 15:43:14 GMT  
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Those are beautiful speakers! I always loved Yuichi's wood horns. They are partly what inspired me to make my first waveguides, which were made of wood. Now I make the H290C waveguides out of plastic, using an injection mold. Makes them much more cost effective. But I love the wood horns, they're so attractive!

I might suggest that you dial-in your crossover using the method described in the thread called, "Crossover optimization for DI-matched two-way speakers" or a similar process. My crossovers are designed for use with the H290C waveguide, which has different acoustic impedance and a different acoustic center. So since you're using a different HF horn, summing could probably be improved with a few small tweaks.

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Subject: Re: 4 Pi speakers (Yuichi 480FL horn)  
Posted by [kongarne](#) on Tue, 28 Oct 2014 17:23:40 GMT  
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Thank you very much Wayne, the Yuichi's looks very good!

i will try to read me up on the crossover link you gave me, i do not have any experience on crossovers, maby it can sound even better with a few adjustments

do you think changing from core to foil inductors is an Upgrade?

i also have JBL 2225H if you think i should change out the 15" Eminence

regards  
Arne Olav

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Subject: Re: 4 Pi speakers (Yuichi 480FL horn)  
Posted by [Wayne Parham](#) on Wed, 29 Oct 2014 13:14:58 GMT  
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Speakers with flux modulation control sound better than those without. That's the benefit of the JBL drivers. But I do think whichever driver you use, you'll probably want to check the crossover and make sure it's adjusted for proper summing. The crossover is integrally tied to the horn and drivers used.

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Subject: Re: 4 Pi speakers (Yuichi 480FL horn)  
Posted by [kongarne](#) on Thu, 30 Oct 2014 07:47:05 GMT  
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ok, thank you Wayne

I bought the TrueRta level4 yesterday and will try to learn how to do this properly I bought a mic and a usb "mic-mate" with phantom 48v some years ago....

The JBL 2225H is used and needs a clean, so I will try to learn this with the eminence drivers until the JBL's are ready

Hope I can get some advice along the way

regards  
Arne Olav