Subject: 4Pi crossover changes on 2012?
Posted by reguax on Tue, 22 Oct 2013 22:12:29 GMT
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Hi Wayne

I built a pair of 4Pi about 5 years ago and after 2 years without using it, I just put them back into my system.

After years of using "traditional" speakers (Usher x718), I'm glad to hear this full and efortless sound again

I've been reading about the new H290C and I noticed a mention to "the pre-2012 crossover used with the old H290".

Does it mean there was a crossover modification on 2012?
Are those changes for H290C only?
I have a 2008 crossover with psd2002 and Omega 15. Any update for this configuration?

I'm looking forward to upgrade my 4Pi. Unfortunately, 2226H is unavailable in my country and the shipping costs would be huge for a pair of woofers this heavy!

I will start with horns or drivers. What do you recommend?
Should I try the new horns with my PSD2002 or upgrading to DE250 while keeping my old H290?
The last option looks better, but I have never felt completely satisfied with the highs on my 4Pi and I'm afraid that the DE250 would be a smoother version of the same sound signature (difficult to translate to words... sometimes it sounds a bit out of control, like if it was too easy to make it "ring" or "shout")

Thanks for your advice!

Subject: Re: 4Pi crossover changes on 2012?
Posted by Wayne Parham on Tue, 22 Oct 2013 22:24:58 GMT
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The H290C waveguide/horn requires a slightly different crossover than the one used for the older H290, which was a radial horn. You remove a capacitor and add a resistor when upgrading to the H290C waveguide/horn.

You'll find noticeable improvements both from the waveguide and from the compression driver. Going from PSD2002 to DE250 will make the sound smoother, and going from H290 to H290C will make it even smooother still. The waveguide will also improve imaging.

Subject: Re: 4Pi crossover changes on 2012?
Posted by reguax on Wed, 23 Oct 2013 02:54:27 GMT
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Thanks for your answer Wayne.
I think I will try the horn first