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Subject: 4 pi speakers + 3 pi subwoofers, pics & measurements  
Posted by [vandevoordekoen](#) on Tue, 26 May 2015 18:29:27 GMT  
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Hello,

Two years ago I started with the 4pi project thanks to Wayne who helped me a lot with his plans and answering my questions.

Pictures!

1. Building the 4pi speakers

2. Finishing

3. New house, made new tv furniture --> new finishing (birch)

Measurements with ecm8000 mic (listening position): very poor low-end due to room modes and resonances:

I've bought two lab12 subwoofers and made 2 testing enclosures. crossover with mini-DSP (30hz;48db/oct, 120hz;12db/oct):

A very geeky testing setup. My wife loves me when I do this kind of setups.

Much better low-end frequency response at listening position!

When I measure full range from the listening position, there is an obvious rolloff at the high frequencies. Is this something to worry about? I used the behringer ecm8000 mic, used CAL-file (which makes the rolloff even steeper) and the m-audio fast track which is also calibrated by REW.

Thank you in advance!

## File Attachments

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