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Subject: New 3Pi build

Posted by [tubemax](#) on Sun, 10 Sep 2017 22:03:37 GMT

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So I finally got some time and spare money to start collecting parts for 3Pi speakers... crossover is made with left-over PCB's I had with good/standard/whatever quality parts I could find for reasonable price: Jantzen Cross-Cap's and Bigger gauge coil for the woofer (1,4mm wire) and Metal-film non-inductive 10Watt resistors. I'm still waiting on delivery for 100Watt 8 Ohm dummy load resistors to be mounted off-board as per drawing.

For the speaker components I wanted to start with all-standard Eminence - but I got lucky and found a good deal on summer fire-sale and got myself B&C DE250 for just 25.- Euro more than PSD2002 per piece.

For the woofer I wanted to jump right on the upgraded part but it's price in Europe is just silly high (300,- Euro per piece) so I settle down for stock part Delta 12LFA.

Now that the funds are exhausted, I have to wait till next month to start working on the box itself, I will surely post many pictures of the build...

Initially I wanted to make 4Pi but after years of waiting to save some money for JBL 2226 woofers, I realized it is not going to happen as the JBL components are awfully expensive in Europe - asking price of 440,- Euro for just one woofer is pretty steep when you combine all other costs of build... so I re-read all reviews of anybody ever build 3Pi's and decided to get going with basic design and see for myself what is all about!

I know that many owners have upgraded from 3Pi to 4Pi or even 6Pi but in my case I won't be able due to costs of entire project. I hope I made right decision as I really want to have some serious sounding speakers in my room and hear that proper horn sound as I was never satisfied with normal woofer/mid/tweeter configuration.

Even the best ones were never good enough except for some older JBL 4412A series I had in the recording studio some 20 years ago and on occasion listening to 4425 - a two-way with the horn... well it had precision and fantastic insight in recorded music other speakers could not achieve. Even the big UREI 813A I had pleasure/pain to listen for extend period of time where honky, aggressive and coarse sounding and really needed a lot of power to sound best - so not the best speaker for home usage at all and this very experience made my final decision in favor of 12 inch woofer instead of 15 inch for the time being.

Please chime in with any suggestion or ideas regarding the decisions I made!

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### File Attachments

- 1) [PI3 crossover.jpg](#), downloaded 7492 times
  - 2) [3PI parts.jpg](#), downloaded 7314 times
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