Subject: Taking the 7Pi to the next level
Posted by Nelson Bass on Sat, 25 Jun 2016 18:29:04 GMT
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Hello all 7Pi owners,

I like this thread to be used only for sharing our ideas and modifications of our beloved 7Pi loudspeakers.

I don't want us to go into the typical upgrades like using expensive capacitors, coils or wires because that kind of discussions often kills a good discussion on what really matters.

What kind of wood and braces that matters I do find irrelevant too as we should share the same reference - the originally design by Wayne.

Midrange driver
My first idea that I want to try is to remove half of the spider from the midrange driver.
By that I want to reduce the stiffness and expect the driver to be faster (read more dynamic) and with less distortion than the originally driver.

One just removes half of the area of the spider so it will look like the symbol for radioactivity! One needs a small very sharp knife and a steady hand. Take care that you don't cut the wires to the voice coil or even damage the coil...

Steen Duelund (RIP) removed the spider entirely and did use a thread of silk placed around the voice coil. How to do this is described here: http://www.steenduelund.dk/scanspeak8554.pdf
Mr. Duelund was deeply involved in the design of the loudspeakers at Gryphon Audio Design: http://www.gryphon-audio.dk/pages/a-tribute-to-steen-duelund

Compression driver
Some people removes the bug screen from the throat of the driver and claims the driver better.
I've no experience with this kind of modifications. Anyone?

Bass corner horn
I'm happy with the bass as is. But some claim that Class D amps are the Holly Grail to drive bass drivers with... Any experiences with the 7Pi?