Subject: Re: 4Pi - alternate compression driver mounting?
Posted by Wayne Parham on Wed, 22 Sep 2021 13:57:24 GMT
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That's actually been a pretty popular mod around here. The main concerns are keeping the geometry the same between the midwoofer and the waveguide and keeping the geometry the same between the midwoofer and the cabinet walls and the port.

The easiest way to do this is to turn the cabinet upside-down, with the woofer high in the cabinet and rest the waveguide in a cradle sitting on top of the cabinet.

This ensures the polar response remains good because the woofer and tweeter positions are the same in relation to each other. And it ensures the internal standing wave alignment is the same because the woofer and port are each in the same place in the box.