
Subject: 4Pi Plan Request

Posted by [daved](#) on Tue, 06 Jul 2010 18:48:10 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi Wayne,

Could I please have a copy of the 4Pi plans sent to me?

Thanks!!

Dave

Subject: Re: 4Pi Plan Request

Posted by [Wayne Parham](#) on Tue, 06 Jul 2010 20:25:10 GMT

[View Forum Message](#) <> [Reply to Message](#)

You've got mail!

Subject: Re: 4Pi Plan Request

Posted by [daved](#) on Tue, 06 Jul 2010 21:53:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

Wayne Parham wrote on Tue, 06 July 2010 15:25

You've got mail!

Hi Wayne,

I didn't receive anything. Can you please resend? The email listed in my profile is accurate since I got the thread reply notice.

Thanks again,

Dave

Subject: Re: 4Pi Plan Request

Posted by [Wayne Parham](#) on Tue, 06 Jul 2010 23:19:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

server, so you could be blocking one while receiving the other. I've just sent it again, so check now. If it's still not there, I'll resend to another address.

Subject: Re: 4Pi Plan Request
Posted by [daved](#) on Wed, 07 Jul 2010 13:34:04 GMT
[View Forum Message](#) <> [Reply to Message](#)

Wayne Parham wrote on Tue, 06 July 2010 18:19

server, so you could be blocking one while receiving the other. I've just sent it again, so check now. If it's still not there, I'll resend to another address.

Got it this time, thanks Wayne!

Subject: Re: 4Pi Plan Request
Posted by [Wayne Parham](#) on Wed, 07 Jul 2010 15:11:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

Very good. Let us know when you're making sawdust!

Subject: Re: 4Pi Plan Request
Posted by [daved](#) on Fri, 30 Jul 2010 15:12:30 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Wayne,

I was wondering if it's possible to substitute different horns into your design? I've got a set of the QSC HPR-152i horns that accept the same B&C DE250 compression driver. Can I swap this horn in place of the one specified in the plans?

Here is a picture of the horn (hope penn doesn't mind me borrowing his image):

Thanks!!!

Subject: Using different horns
Posted by [Wayne Parham](#) on Fri, 30 Jul 2010 16:09:41 GMT
[View Forum Message](#) <> [Reply to Message](#)

You really can't just swap in different horns, in most cases, as they're going to fundamentally change the radiation pattern of the loudspeaker, even if the horns being considered generate the same advertised pattern. If two horns have different dimensions, they'll probably impart a different acoustic phase if for no other reason than the sound sources are in different positions.

Phase angles, crossovers and baffle spacing

Baffle spacing, phase angles and time alignment, revisited

More information about baffle spacing, which is necessarily different when horns of different size are used