
Subject: Combo B&C DE250 with Altec 811
Posted by [Arthur C](#) on Thu, 20 Jan 2022 19:29:32 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi,

May I kindly request some help or feedback concerning a crossover design.

Does a member has already tried the combo B&C DE250 With Altec 811B

I am planning to build a new 2 way configuration a speaker between Klipsch Cornwall and 4 Pi speaker.

The idea is to use a 96 dB 15" carbon fiber woofer (Davis acoustic speaker 40 RCA15 DF) with Altec 811 B horn and B&C DE250 compression driver.

A 1k6 cutoff frequency seems not appropriate for my woofer, a 800 HZ cut off should be great in a 12db/18db configuration.

According to Wayne's documentation the crossover should be as follows:

- Concerning the woofer : Zobel : 8 ohms + 22 uF capacitor

L2 : 2.00 MH

C4 : 20 uF

- Compression driver and horn :

C2 : 16 uF

L1 : 1.2 mH

C3 : 47 uF

R1 = 20 ohms

R2 = 14 ohms

C1 = 1.6 uF.

Concerning C1 : a reduce capacitor should flatten the frequency response ?

Should high frequencies have to be boost I could add a super-tweeter

May I kindly ask you if this configuration could be accurate ?

Any proposal will be welcomed.