

---

Subject: crossover questions...

Posted by [Larry Acklin](#) on Wed, 08 Oct 2003 10:52:17 GMT

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

---

I have a pair of JBL 2425J 1" exit drivers, 16 ohm. If I want to use them in a 2 or 3 way box, how can I reconfigure the crossover so it treats the drivers properly, but still presents 8 ohms to the amp? They would be bolted to CD horns, so the top octave compensation would be a plus. I know that the cap values change for a 16 ohm driver, but I'm a little hazy on what determines the nominal value the completed system presents to the amp. Yes, I know I could just tack a 16 ohm resistor across the driver, but that kills the sensitivity. Also, would it be possible to design a passive crossover (high-pass) that could do the same thing- present an 8 ohm load, but have the 16 ohm driver inside? Thanks Larry

---

Subject: crossover answers

Posted by [Wayne Parham](#) on Wed, 08 Oct 2003 19:40:58 GMT

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

---

You answered your own question - You can put a resistance in shunt to set the load. If the compression horn needs padding and/or HF compensation, you can form a voltage divider and also be able to use it to set filter Q and high-frequency augmentation. Alternately, you can use a transformer for impedance matching. It's all a balancing act, of setting goal and priorities and building to suit.