Subject: Zobel - Conjugate Impedance Compensation
Posted by Wayne Parham on Sun, 10 Apr 2005 14:03:53 GMT
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There is no reason for a conjugate filter unless you are running a passive crossover. The main reason for a Zobel is to conjugate the inductance a speaker's voice coil, to counteract for its rising impedance. It is done to modify the behavior of the crossover and make the filter function of a passive crossover more pure.

With an active crossover, you don't want a Zobel on the speaker drivers. Connect them directly to the amp.<p>Here are some documents that describe electrical filters in more detail:Crossover Electronics 101