

**Doug's Crossover
The Mastering Labs
Crossover for Altec
604 and 605 Drivers**

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In Hi-Fi Scene 14 we published Ekkehard Huene's plans for building a pair of truly large but well-renowned speakers using Altec 604 drivers. These speakers (and/or these drivers) were and continue to be installed worldwide in countless recording (or sound?) studios as listening and mixing monitors. Naturally Altec provides a crossover with their speakers,

but apparently this crossover is not beyond all doubts and was/is frequently modified. Doug Sax of Mastering Labs also uses the 604 and he apparently also wondered how to make a good speaker even better. The result was the Mastering Labs' crossover for the 604. I don't know if this crossover is commercially available. How did the Scene get this schematic? Quite simply -- I was speaking on the phone with Ekkehard Huene about loudspeakers and such, whereupon he mentioned having a plan for the Mastering Labs crossover which he could send us. In the meantime, a friend measured a

Mastering Labs crossover with a Fluke 8060A and a Hewlett-Packard 1650A for the inductance measurements.

I don't want to withhold this from our readers.

- L1: 2 mH, R 1.37Ω
- L2: 5.5 mH, R 1.27Ω
- L3: 0.125 mH, R 0.15Ω
- L4: 1.5 mH, R 0.45 Ω
tap at 0.15 mH, R 0.08Ω
- L5: 0.26 mH, R 0.2Ω

Those of you who get through this project should let us know how the speakers that Doug Sax uses to mix his -- our! -- LPs sound.

