

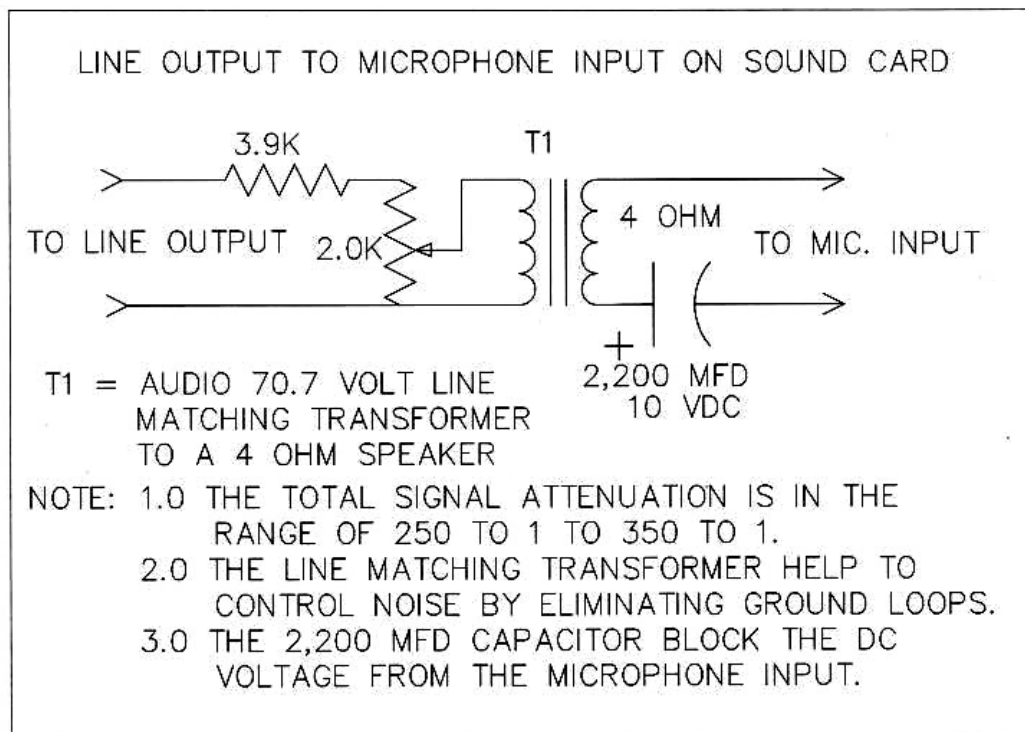
## A Line-Out to Microphone Matching Transformer

A very common problem we have with recording music on modern laptops is that very few of them come with a line-in jack. They have a microphone input, but that is the wrong impedance, and generally too sensitive, to use for recording music from a Hilton turntable or a mini-disk player. Or from 'most any other common source, for that matter. This can also be a problem with other equipment such as MP3 players and portable mini-disk players as well.

Joe Hilton found a solution to the problem. He got John Milligan, an electrical engineer friend of his, to design a circuit that will match the impedance and signal levels, enabling him to get good recordings on his laptop. The schematic diagram and parts list are included here, for those who want to make one, and John's contact information is included as well.

John does not want to go into business building these things, but is willing to put a few of them together for about \$35 (each) plus shipping.

The transformer is available from Parts Express Electronics & More at [www.partsexpress.com](http://www.partsexpress.com). The part number is: 300-040, 70V 10W Line Matching Transformer. It cost \$4.25 plus \$6.30 shipping and handling



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