

SOUND MIXER

by

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Project Report

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## SUMMARY

Title: SOUND MIXER

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This project deals with a semiprofessional sound mixer. A number of circuits were studied and parts from each circuit were selected in order to form the circuit desired. The circuit selected was constructed according to the design, and tested. This mixer accepts five inputs, namely one MIC, two PICK-UPS, one TAPE, and there is a GENERAL input as well.

Theoretical explanation is given for each input with some kind of background information. In some cases the designing formulae were given and the mathematical calculations were performed. Drawings of each part selected are found inside the project, and explanation of each component individually is given. Explanation and design calculations are also found for the tone and output control as well as for the headphone monitor. Details about the printed circuit board (p.c.b.) construction and testing are given, and a copy of the double sided p.c.b. will also be included. Details about the integrated circuits used and the audio glossary will be found in Appendices 2 and 3 respectively.

It is almost certain that if someone reads this project he will learn a lot, related to all the inputs this mixer accepts and about all the facilities this mixer offers. Finally, information about how this mixer is used and what modifications could be done, so that this mixer approaches the professional standards are included.

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