

Stereo Synthesiser Fortunes & VCRs

PTAR

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"In The Name Of ALLAH, Most Gracious, Ever Merciful."

"Praise the name of Thou Lord. The ALL-Mighty, Who has created and fashioned, Who has proportioned and guided"

Al-Quran S7:1-3

All perfect praises belong to God alone, LORD of the worlds. May His blessings upon Prophet Mohammad s.a.w and members of his family and companions.

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By,

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1.0 INTRODUCTION

The objective of building this project is to reproduce a mono to stereo sound. Anyone who has ever directly compared mono to stereo sound will be aware of the advantages of stereo reproduction. Stereo imparts a sense of dimension and realism to reproduced sound, thus providing greater listening pleasure. With this device we can synthesise realistic stereo sound from virtually any monophonic source, including VCRs, TV sets and AM radios.

Stereo reproduction relies on amplitude and phase differences between the two channels of a stereo system. To synthesise stereo from a monophonic signals, therefore, we need to have some means of artificially recreating these amplitude and phase differences. In practice, this involves dividing the mono signal into several components and then distributing these components between the left and right channels.

In use, the stereo synthesiser is simply connected between the monophonic signal source and our stereo amplifier. The synthesiser describe here uses an even more effective method to create stereo sound.

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