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ADD-ON STEREO CHANNEL  
SELECTOR

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## ABSTRACT

The Add-On circuit presented here is useful for stereo systems. This circuit has provision for connecting stereo outputs from four different sources or channels as inputs and only one of them is selected or connected to the output at any one time. This system have two choice to use either automatically or manually. So, the user can choose one of them. This system is easy to user when they used in automatically system because the channel will detect by itself. So, the user do not have the trouble to detect the channel by manually. In manually, the user must skip the switch by themselves.

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## 1.0 INTRODUCTION

The Add-On Stereo Channel Selector is useful for stereo system. This circuit has 4 channels as input (channel A, B, C, D) and only one of the channels will select as the output.

The circuit used two IC (CD 4066) as sound for two sides (left and right side). When power supply is 'on', channel A for both side (AL and AR) is selected. If no audio is present in channel A, the circuit waits for some time and then selects the next channel. This search operation continues until it detects audio signal in one of the channel.

For example, channel A is selected to a tape recorder and channel B is connected to radio receiver. Firstly, we use tape recorder (at channel A). So the tape recorder will play completely. If there is sufficient pause between consecutive recordings, this system automatically go to radio receiver (channel B).

We can choose or change the channel to manually with push the skip switch momentarily once or more until the desired channel input gets selected.