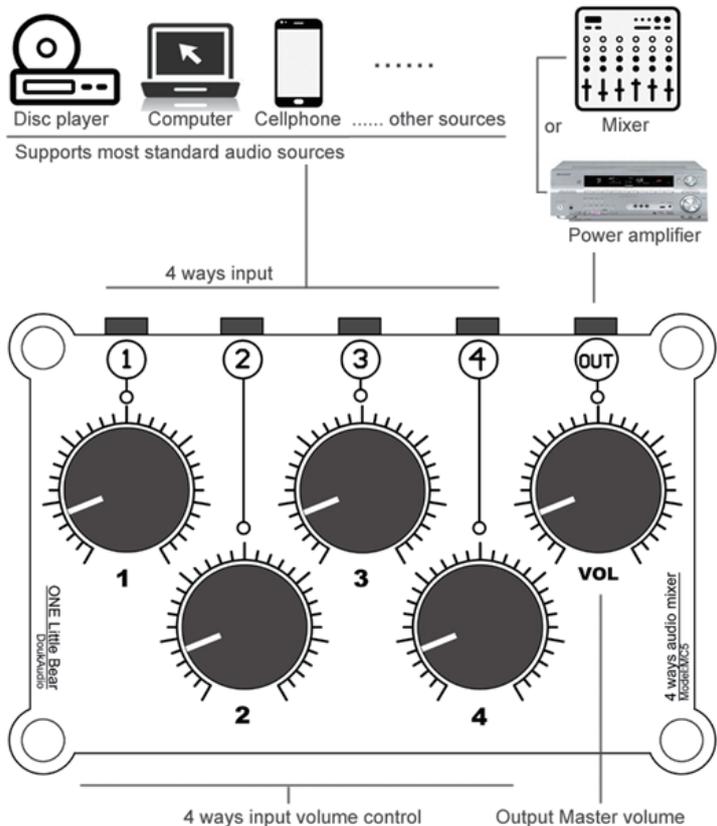


Usage diagram

Passive circuit design, no need for power supply, convenient to use, just connect all input and output audio devices to the interface of MC5, just as the following picture shows:



Parameters

Audio input: 4 groups of Stereo 3.5mm AUX

Audio output: stereo 3.5mm AUX

Number of channels: 4 channel

Independent volume control: support

Material: PCB+acrylic case

Dimensions(L*W*H): 83.5*54*21mm / 3.29*2.13*0.83in

Net weight: 93g / 0.21lb

Package weight: 132g / 0.29lb

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One Little Bear

DOUK AUDIO

— MC5 Mini 4 Channel Stereo Audio Mixer —

Introduction

MC5 is a mini audio mixer with 4 stereo 3.5mm inputs and 1 stereo 3.5mm output, can be capable of mixing audio signals from CD players, instruments, portable recording devices, video playback devices and so on. Passive circuit allows MC5 to work without battery or external power, without any bad influence for sound quality. With one main and four independent volume control, very convenient and easy to use.

Warm tips

1. MC5 is a passive mixer. When connect power amplifiers with different impedances, there will be different degrees of sound attenuation, and the attenuation ratio is $2/\text{the input impedance of the}$

power amplifier (K). That is, the greater the impedance, the smaller the attenuation. For example, the input impedance of a power amplifier is 47K, the sound will be attenuated by $2/47=4.25\%$ after passing through MC5 mixer, if the input impedance of the power amplifier is only 20K, it will be attenuated by $2/20=10\%$.

2. MC5 doesn't support to connect headphones directly, there should be a headphone amplifier between MC5 and headphones.
3. The 4 channels of MC5 are all common ground connections, so when connecting to multiple audio sources, there may be common ground noise. If this occurs, please firstly find out the noise is from which audio source, then adding an audio isolation module to isolate the connection between MC5 and this sound source.
4. If connecting multiple players with different audio levels to MC5, when the volume of all channels are turned up to the maximum, the sound of individual audio sources may be attenuated. It is recommended that don't adjust the volume of all channels over 90% when multiple audio is connected.