MULTIMIXER 6™

6 CHANNEL STEREO MIXER

▶ **USER GUIDE**

M-AUDIO

Introduction

MultiMixer6 is an extremely low noise, professional quality, 6 channel stereo line mixer. The 6 panable inputs enable you to place a sound source anywhere in the stereo field. MultiMixer6 is ideal for multimedia applications or for an onstage mix of multiple line-level sound sources.

MultiMixer6 comes with an external 9 volt, 300 milliamp ac power adaptor. This adaptor should be plugged into a standard wall socket and then into the MultiMixer6's back power jack. When this is done the MultiMixer6 power LED will light. MultiMixer6 will not work unless power is plugged in.

The MultiMixer6 design makes it very versatile. Here are a few typical examples of how you might use MultiMixer6:

Multimedia Mixing

Many multimedia applications use multiple sound sources. In a typical multimedia application, plug the MultiMixer6 in as follows:

1. Connect the stereo output from your computer soundcard to MultiMixer6 Inputs 1 and 2.
2. Connect outputs from your MIDI tone module to inputs 3 & 4.
3. And connect the audio output from a CD-ROM to inputs 5 & 6. Now you can use the Multimixer6 pan pots to position the sounds wherever you want them, and the gain pots to adjust the levels so the overall sound is balanced.

Live Sound Mixing

Although the MultiMixer6 will not take a mic level signal, it has many uses in live performance. Here are a couple of examples:

1. Mixing your separate tone modules to a single stereo signal.
2. Combining your mic mixer out with the keyboards output and an guitar rack output for a quick onstage monitor mix.

Tips

If you set the MultiMixer6's gains too high for a given input, you may encounter distortion or signal clipping. This will surely happen if you plug in a synthesizer with its channel gain set to full volume and set MultiMixer6 left and right master level pots to full. If you hear any distortion, try reducing the keyboard output level. Your MultiMixer6 should always sound clean and noise free.

MultiMixer6 amplifies and inverts the phase of signals by 180 degrees. This will rarely effect operation unless somehow you manage to sum MultiMixer6's output with the same output shifted by some other phase amount, in which case you may notice phase cancellation. You may even find a use for MultiMixer6's phase inversion in correcting the phase inversion of another system.

MultiMixer™ Description

- **Front - Headphones. 1/4" stereo jack.** Plug in your headphones here. If you are using Walkman type phones you'll need an adaptor. The MultiMixer6 is happiest with 600 Ohm phones, but should work with almost any headphones. You can also use the headphone jack as an auxiliary output.

- **Top - 1-6 Gain.** Adjustable gain levels for each of the individual inputs. These are true gain controls, not volume pots. What this means is that the MultiMixer6 never amplifies the signal more than necessary so the noise level is always as low as possible (of course, if your sound source is noisy the output will be too). The center detent position is roughly unity gain.

- **Top - 1-6 Pan.** Controls where in the stereo image the sound will appear. Adjustable from all the way left to all the way right. The center detent position is equal mix right and left.
- **Top - Master Levels (Left and Right).** Control the overall left and right output levels. These pots also control the level of the headphone output.
- **Top - Power LED.** Shows when MultiMixer6 is on.
- **Back - Inputs (1-6). 1/4" mono phone jacks.** 6 of the individual line level inputs. Remember, if you want to use a microphone or guitar with MultiMixer6 you will need a separate mic or guitar pre-amplifier.
- **Back - Outputs (L & R). 1/4" phone jacks.** These are the main MultiMixer6 left and right outputs. They should be plugged into either a power amplifier or powered speaker inputs.
- **Back - 9v AC power.** The jack into which you plug a 9v AC 300 milliamp power adaptor. MultiMixer6 will not work unless it receives power at this jack.

Contact

If you have any questions, comments or suggestions about this or any M-Audio product, we invite you to contact us by using the following information:

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