Sir Mix A lot Mono Mixer Quick Start Guide

Thank you for your interest in Blue Lantern Modules. In this Q I will try to explain the various functions and workings of the Euro 12HP SIR-MIX-A LOT 6 channel mixer.

In brief I will sum up what this module can do:

-AC & DC MONO SUMMING.

-Offer (1) direct input for either (1) more synth level signal or a line level signal.

-mute each channel with a toggle switch.

There is really nothing to this module. It is very easy to use. I will just describe why I have an AC & DC switch for all the channels.

*AC is best used for audio signals, such as your vco or noise generator.

*DC is best when you want to mix control voltages.

There is no danger in experimenting with the ac/dc switches when you have a signal connected to the channel. You will not harm anything. You can hear the results yourself and experiment.

I have a 2.2uf capacitor installed when you use the AC mode.

The mute switches are there so that you don't have to unplug the jacks to kill a signal. It can be very useful for live performance.

Here is a picture for reference so you know what I am talking about:

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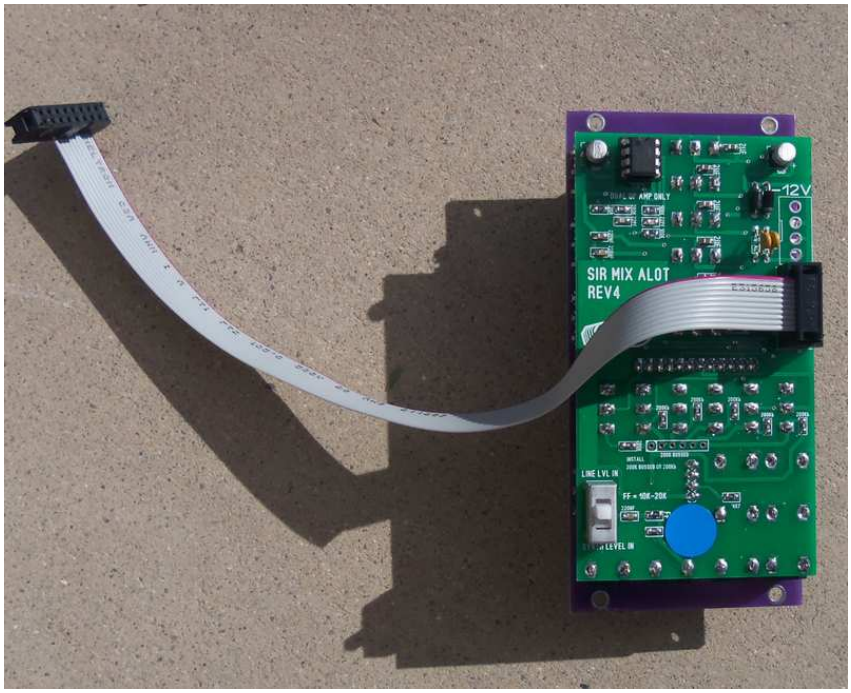

On the back of the unit there is a slide switch. That is used to select how the front Direct Input will act. You can either select it for synth level signals or line level signals. What it does exactly is toggle between a 200k resistor (synth level) and a 20k resistor (for line level input). The resistor that determines the line level ohm input is labeled ‘FF’. If you select the line level mode and plug in a synth level signal it will distort. You will not damage the module, it is just changing the x amplification ratio on the op-amp and therefore distorting.

*If you would like to chain a few SIR-MIX-A LOT 6 Channel Mixers, use the direct input and have the slider switch set to ‘Synth Level’.

*I sell the module with a good old TL072 op amp. This op amp is a general purpose op amp. I installed an IC socket. You are free to upgrade the op-amp to any Dual Op Amp compatible with +12v/-12v or above power supply. Here are some audio grade op amps: opa2227, opa2134.