

STEREO MIXER

8 INPUT STEREO LINE MIXER

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DESCRIPTION

Stereo Mixer is an 8-input audio mixer for line level sources. It can mix (combine) up to 4 stereo or 8 mono sources, or any combination thereof. Balanced inputs are provided for 8 line-level sources: 4 Left channel and 4 Right channel. There are three balanced outputs: Left, Right, and Mono. The Mono output is a summation of the Left and Right main outputs. Multiple Stereo Mixers can be linked to expand capacity using the Bus Input feature. All audio connections are via barrier strip terminals. The power supply is internal.

INSTALLATION

Balanced audio sources should be connected to the + and - input terminals for each channel. For use with unbalanced sources, connect to the + terminal and G (ground); jumper the - terminal to G. All inputs are bridging; it is not necessary to terminate the inputs, unless required by source equipment. Connect shields at one end only to prevent ground loops.

The Left, Right, and Mono balanced outputs of the Stereo Mixer can be fed to any balanced load of 600 ohms or higher. For unbalanced loads, connect to the + output terminal only. DO NOT short the - terminal to ground. It is not necessary to terminate unused outputs.

OPERATION

Relative audio mix levels are controlled by 8 LEVEL controls: 4 for Left inputs, 4 for Right inputs. Unity gain is achieved with the controls set to their 11 o'clock position. Up to 10dB of gain is available by setting the level controls fully CW. Audio sources fed to the Left inputs will be mixed to the Left output. Sources fed to the Right inputs will be mixed to the Right output. ALL sources will appear at the Mono output.

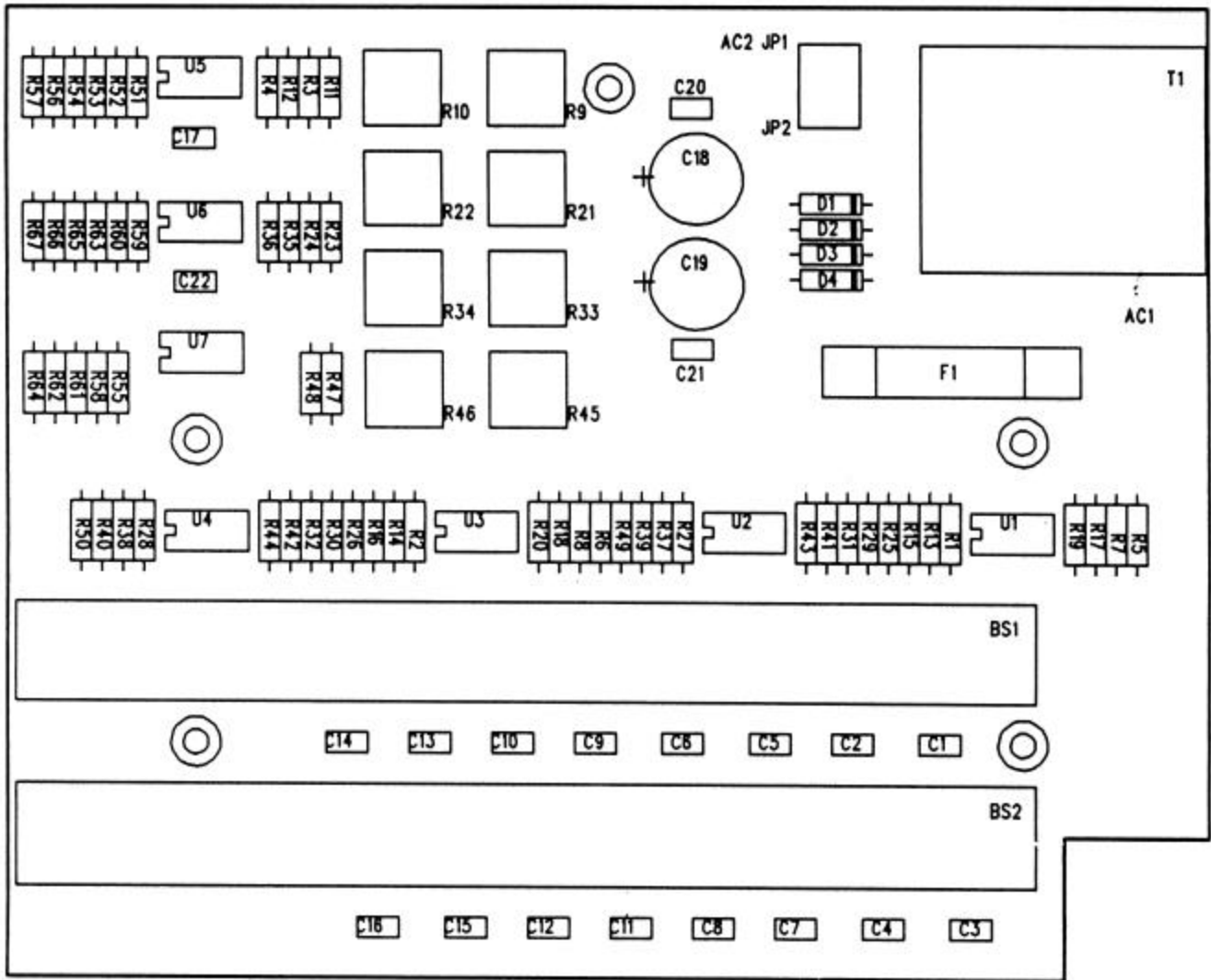
LINKING MULTIPLE UNITS

Multiple Stereo Mixer units can be linked to expand input capacity. Connect the output of the first Stereo Mixer's + output terminals (L&R) to the Bus inputs of the second unit. The output of the first unit will be mixed with sources fed into the second unit. All signals will appear at the output of the second unit. Several Stereo Mixers can be linked together in this manner.

SPECIFICATIONS

INPUTS	-10 to +8 dBm nom, 20K (bal) or 10K (unbal), 8x
GAIN	Off to +10 dB
OUTPUTS	+4 dBm nom, +24 dBm max, 600 ohm balanced, 3x
FREQ RES	DC to 40 kHz, +/- 0.25 Db
DISTORTN	Less than .01% IM/THD
NOISE	80 dB below nominal output level
TDR	Over 100 dB





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P/N 1600 Rev B

