



HENRY ENGINEERING
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DESCRIPTION

MICROMIXER is a four-input, two-output stereo mixing amplifier designed for utility use. The unit has balanced bridging inputs for four audio sources which can be mixed to two outputs (one stereo pair). A level control is provided for each input; selectable 'assign' switching permits any input to be fed to either or both outputs. DC coupled circuitry provides excellent sonic performance.

INSTALLATION

All connections to the MicroMixer are made via the barrier strip.

Audio inputs to the MicroMixer should be connected to the balanced input terminals labeled "1", "2", "3" and "4". For unbalanced inputs, install a jumper between the (-) terminal and any GND. All inputs are bridging; it is not necessary to terminate the source unless it is required by the source equipment.

Audio outputs from the MicroMixer are connected to the two outputs labeled "1" and "2". The output circuitry will drive any load of 600 ohms or higher. It is not necessary to terminate the outputs. For unbalanced outputs, connect to the (+) and GND terminals only. DO NOT short the (-) terminal to ground.

OPERATION

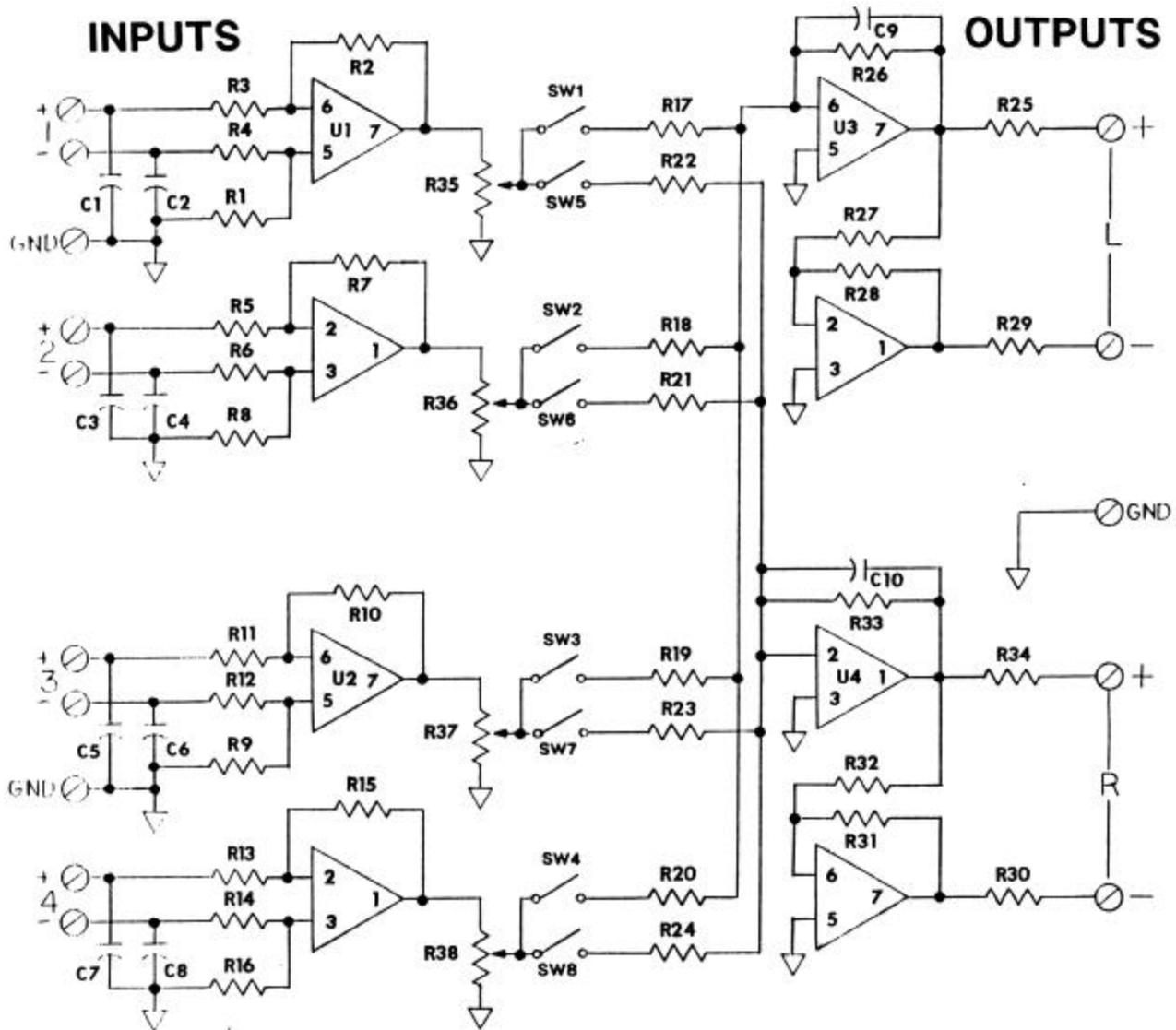
The input levels to the MicroMixer should be between -6 and +8 dBm. Adjust each input channel using the INPUT LEVEL controls. Unity gain is achieved with these controls set to "12 o'clock". With nominal input levels of +4 dBm the Input Level controls should be run near this setting. It is recommended that input levels be initially set with a level indicator (VU meter, scope, VOM) temporarily connected to the MicroMixer's output to monitor output levels. The average output level should not exceed +8 dBm to ensure adequate headroom.

Each output channel (L & R) has four ASSIGN switches that determine which of the four input signals are fed to that output. Select the input sources desired by switching the appropriate channels ON. For example, if inputs 1 and 3 should be fed to the LEFT output, set Left output assign switches 1 and 3 ON, with 2 and 4 OFF.

SPECIFICATIONS

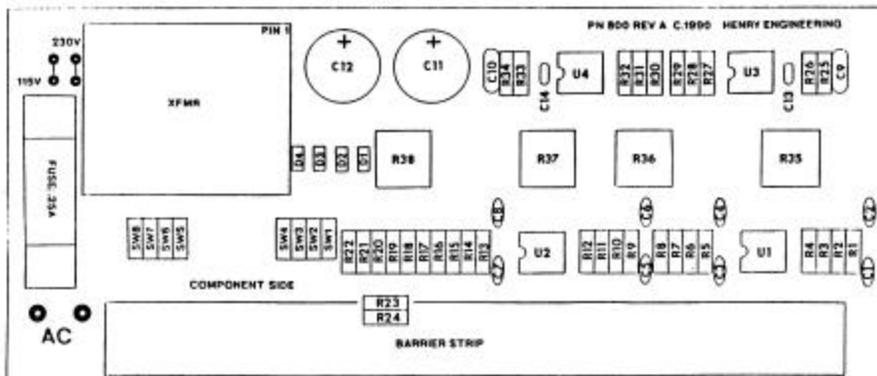
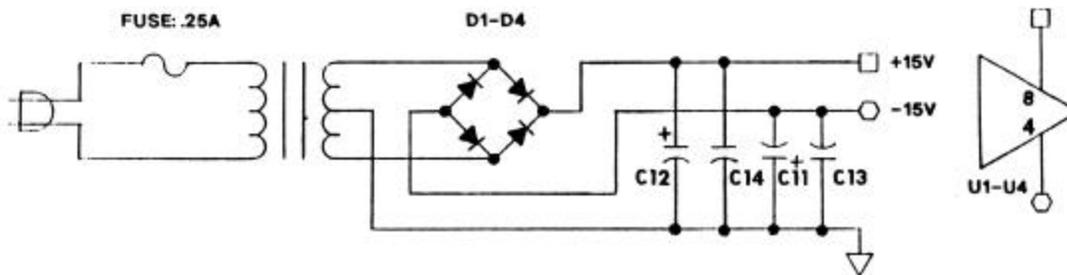
INPUTS	-6 to +8 dBm; balanced 20K or unbalanced 10K
GAIN	10 dB maximum
OUTPUTS	+4 dBm nominal, +25 dBm max; 600 ohms or higher
FREQ RESP	DC to 20 kHz, +/- 0.25 Db
NOISE	80 dB below +8 dBm output
DISTORTION	.008% IM/THD





"MICROMIXER"

PN 800 REV B C. 1991 HENRY ENGINEERING



COMPONENTS LIST

R26, R33	15.8K
R25, 29, 30, 34	47ohm
All other Rs	10.0K
C1-C8	.001uf
C9, C10	30pf
C11, C12	1000uf
C13, C14	.1uf
D1-D4	1N4004
U1, U2	1F353N
U3, U4	NE5532
FUSE	.25A
SW1-SW8	SPST