

MIXER MATE™

Microphone and Monitor Controller

HENRY ENGINEERING

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DESCRIPTION

Mixer Mate is a Microphone and Monitor Controller that allows popular “live music” audio mixers to be used in a broadcast environment. Mixer Mate adds three important functions to the mixer: (a) it provides convenient On/Off control of up to four microphones, (b) it mutes the Monitor audio when a microphone is in use, and (c) it provides control of *On The Air* studio warning lights.

INSTALLATION

Mixer Mate utilizes the mixer’s “Mic Process Insert” facility to switch microphone audio on or off. Up to four mics can be independently controlled via the unit’s front panel pushbuttons. Connect the mixer’s Process Insert circuit to Mixer Mate via the four ¼” TRS (tip-ring-sleeve) jacks on the rear panel. Wire the Mixer Mate TRS plugs as follows:

TIP: From mixer’s mic preamp output
RING: To mixer’s mic channel return input
SLEEVE: To mixer ground

In most cases, a simple TRS patchcord can be used to connect the mixer and the Mixer Mate together.

Mixer Mate provides a Monitor Mute facility so that Monitor audio can be muted when selected microphones are in use. Connect the Monitor output of the mixer to the Monitor Mute/IN jacks on the Mixer Mate (The top jack is left; the bottom jack is right.) Connect the Monitor Mute/OUT jacks on Mixer Mate to the Line input of the monitor amplifier. **Warning: Do not connect directly to the high-power speaker outputs of the monitor amplifier.**

Mixer Mate also provides a means of controlling “On The Air” studio warning lights, switching the lights on whenever any microphone is in use. **Warning: Do not connect 115 volt AC circuits directly to the Mixer Mate!** The best way to control warning lights is with a Henry Engineering Superelay. The Mixer Mate interfaces to the Superelay via the 1/8” TRS mini-jack on the rear of the unit. Wire an 1/8” plug as follows and connect to the Superelay CONTROL INPUT connector:

TIP: To Superelay “12V” terminal
RING: To Superelay “+ IN” terminal
SLEEVE: To Superelay “G” terminal

Note: When connected as above, Mixer Mate is powered by the Superelay. Do NOT connect any external power supply to the +12VDC jack on the Mixer Mate. (The external power supply should be used only if the Mixer Mate is NOT used with a Superelay.)

MONITOR MUTE PROGRAMMING

Mixer Mate can be programmed to mute the Monitor system when selected microphones are in use. Select the mics that will activate the Monitor Mute function using the MON MUTE SELECT “dip” switches on the rear of the unit. There is a switch for each mic; if the switch is DOWN, the Monitor audio will mute when that microphone is on.

OPERATION

The microphones are turned on or off via the front panel pushbuttons. The LED above each button will light to indicate that the mic is on. The Monitor system will mute whenever selected mics are on. Tally lights will be active whenever any mic is on. Note that the mic on/off function will still operate even if the Mixer Mate is not powered-up. Power is required to activate the Monitor Mute and Tally light functions, as well as illuminate the front panel LEDs.

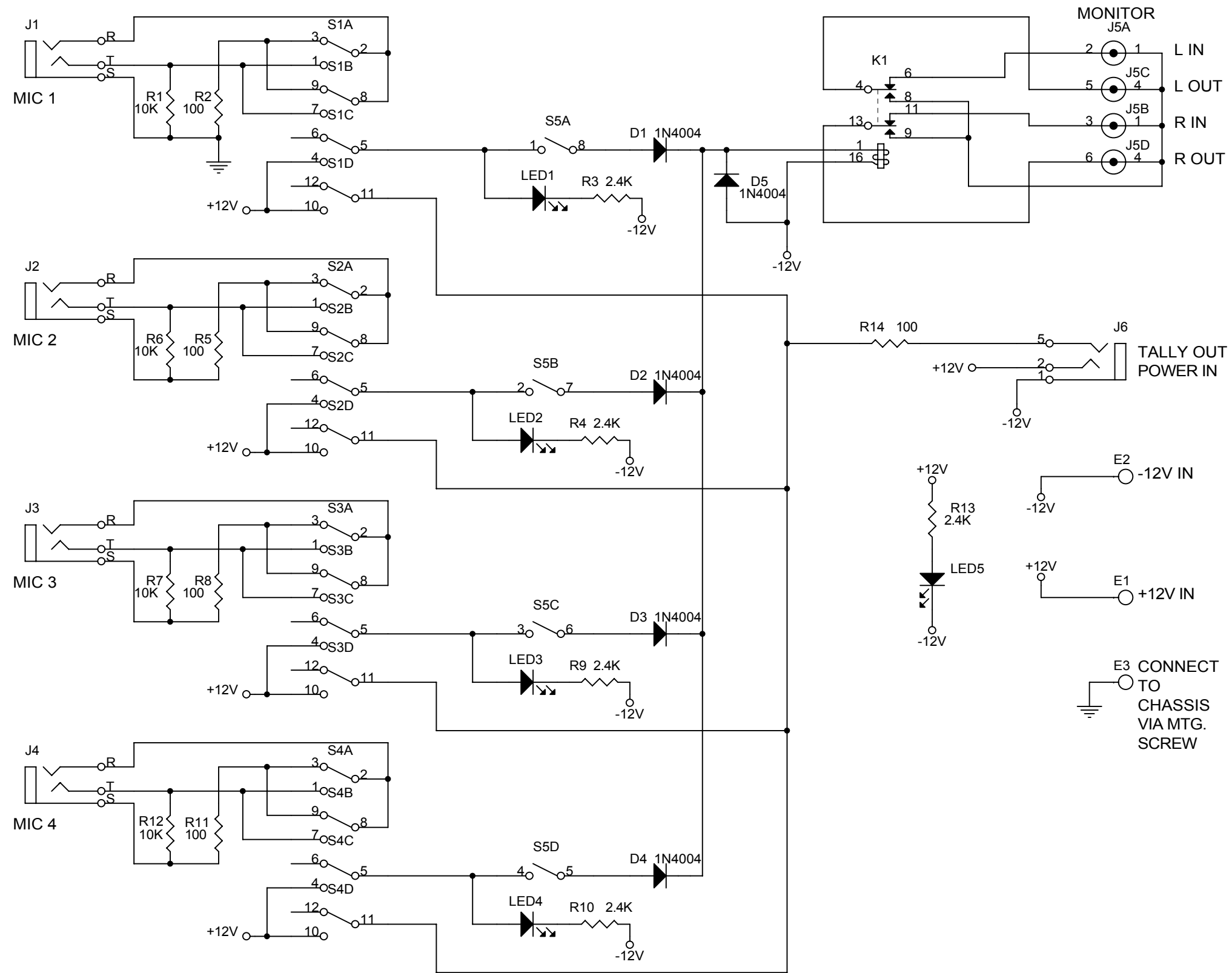
SPECIFICATIONS

Mic On/Off control	Line level, unbalanced, ¼” TRS jacks
Monitor Mute control	Line level, unbalanced, RCA jacks
Monitor Mute programming	Selectable for each microphone
Mic Tally output	12 VDC, when any microphone is on
Power Requirement	12 VDC, from Superelay or included power supply
Approvals	CE, UL (power supply)
Construction	Steel enclosure
Physical	5.75”w X 5.50”d X 1.60”h, 3 LBS

Specifications subject to change without notice.

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NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE 1/4W, 5%.

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