

# MS1202

## 12x2 MICRO SERIES MIC/LINE MIXER



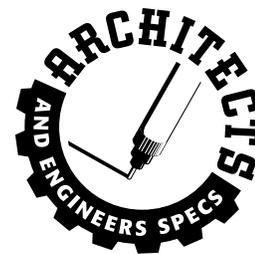
**1. GENERAL CONFIGURATION.** The mixing console shall accommodate 4 Balanced/Unbalanced Line Inputs, 8 Unbalanced Line Inputs, 4 Balanced Microphone Inputs, 1 Balanced/Unbalanced Main Left Output, 1 Balanced/Unbalanced Main Right Output, 2 AUX Outputs, 2 Stereo AUX Returns, 4 Channel Access Jacks, 2 RCA Tape Out Jacks, 2 RCA Tape In Jacks, and 1 Stereo Headphone Output. The main frame shall be capable of placement on a table or mounting in a standard 19-inch rack mount via optional rack rail brackets and shall be entirely self-contained.

**2. METERING.** The main frame shall include two 12-LED meters for monitoring Main L/R Outputs or, when the Input Metering button is depressed, Mic Preamp Outs and Mix Amp Output (pre-fader).

**3. MIXER INPUTS.** The mixer shall include electronically balanced mic inputs using female XLR-3-

type connectors to accept nominal levels of from  $-48\text{dBu}$  to  $+14\text{dBu}$ . The mixer shall also have 12 line inputs consisting of 4 balanced/unbalanced mono and 4 stereo inputs, each a standard  $1/4"$  phone jack that shall accept nominal levels of from  $-40\text{dBu}$  to  $+22\text{dBu}$  on Channels 1 through 4 and  $-25\text{dBu}$  to  $+22\text{dBu}$  on Channels 5 through 12. Channels 1 through 4 shall have a rotary Trim Control adjustable from  $+4\text{dB}$  to  $-40\text{dB}$ . The Mixer shall have 2 Stereo AUX Returns and 4 tip-out/ring-in Channel Inserts. The mixer shall include stereo Tape Inputs consisting of phono-type connectors. The Tape Inputs shall be present at the AUX Return 2 Control when the Tape Monitor switch is pressed. There shall be a phantom power supply with separate switch to provide  $+43/48\text{V DC}$  to all mic input connectors for remote powering of condenser microphones.

**4. MIXER OUTPUTS.** The mixer output shall be  $1/4"$  phone jack; there shall be 1 Left and 1 Right balanced/unbalanced Main Outputs, L/R RCA Tape Outputs, 2 AUX Outputs, and 1 Stereo Headphone Output. Maximum Main Output shall be



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+28dBu balanced (-22dBu unbalanced); all other Outputs shall be capable of +22dBu maximum output level.

**5. PHYSICAL CONFIGURATION.** The main frame shall be grey-black with steel chassis. The mixer's dimensions shall be 10.35" tall by 11.47" wide by 2.3" deep. Optional rack rail brackets shall be adjustable to allow flush mounting, which shall add an extra 0.7" to respective depth measurements. The weight shall be 7 pounds.

**6. MIXER INPUT SECTION.** Each mixer Input Section shall include the following features: 2 AUX send controls; 2 rotary equalization controls ( $\pm 15$ dB LO shelving at 80Hz,  $\pm 15$ dB HI shelving at 12.5kHz), L/R rotary Pan control, and Rotary Channel Fader with center-detent Unity Gain position.

**7. MIXER OUTPUT SECTION.** The mixer Main Output Section shall have 2 Stereo AUX Returns consisting of 2 rotary Level controls, Left/Right rotary Master Level control with center-detent Unity Gain position, 12-step LED meter (calibrated -40 to +8, plus CLIP), Power LED,

Stereo Headphone Jack with rotary Headphone Level Control and Tape Monitor switch. The Headphone Level Control shall regulate the output level of signals appearing at the Headphone Output jack. In conjunction with the Input Channel Metering Switch, the LED display shall display 1) L/R main output levels or 2) Mic Preamp Output levels on the left display and Mix amp (prefader) level on the right display.

**8. SPECIFICATIONS.** In addition to specifications previously cited, the mixer shall meet or exceed the following performance criteria: Frequency Response, 20Hz to 20kHz  $\pm 1$ dB; Distortion, less than 0.025%, 20-20kHz; Mic Preamp E.I.N. Noise -129dBm; Typical Main Output Noise, -90dBu; Working S/N Ratio, 90dB (weighted 400Hz to 20kHz), -83dB 20Hz to 20kHz ref: +4dBu.

The mixer shall be a Mackie Designs MicroSeries 1202.



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