

MIX 2000

Portable Stereo & M/S Field Mixer



HIGHLIGHTS

- 4 Symmetrical Transformer Balanced Inputs
- Ultra-low noise (-130dB)
- Outstanding input headroom (46dB)
- AES/EBU or SPDIF Optional Output Module
- Independent M/S Decoders for Outputs and Monitors
- High Sensitivity Vu or Peak LED Metering
- VCA Controlled Master Stage with Selectable Compressor and Limiter
- Microphone Supplies: Ph 48, Ph12, or T12
- High performance Monitoring source and listening mode selection
- Small Weight and Size (<5 lbs Including Batteries)

APPLICATIONS

- Film and Video Location
- Recording
- News Gathering
- Sound Effects Capture
- Remote Broadcast
- Scientific Work

The MIX2000 is arguably the most rugged and feature packed portable field mixer on the market. Weighing less than 5 lbs and not much bigger than a paperback book, the MIX 2000 provides everything from M/S Decoder to selectable PPM or VU metering. For the ultimate in audio performance, durability, and features, the MIX2000 is

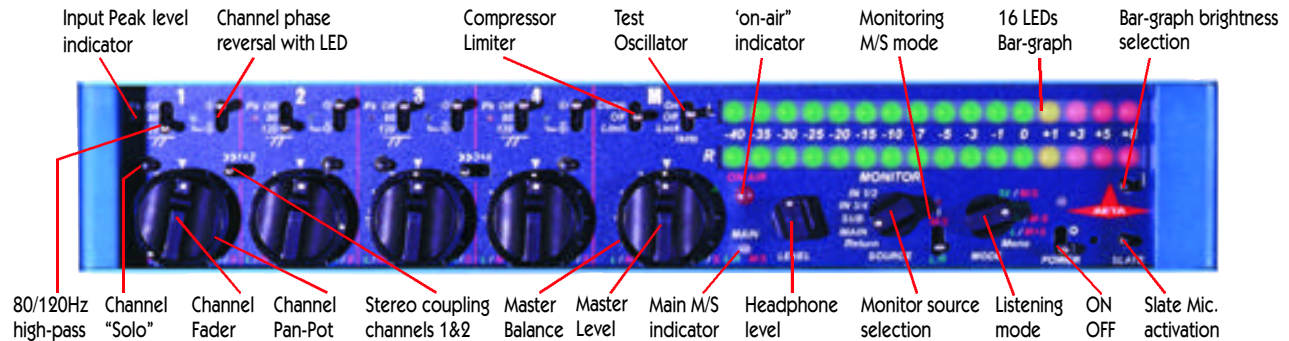
“Simply the best!”



Linking Innovation With Clarity

Technical Specifications

FRONT PANEL CONTROLS



TECHNICAL FEATURES

INPUTS

- Mic Input Impedance: > 2k ohm (20Hz to 20kHz).
- Input Transformer Gain: +15.6dB (N+1/6)
- Input Transformer Insulation: 500Vdc
- Maximum Total Gain: >90 dB per channel
- Input Stage Gain Range: Max = 42dB/ min + 0dB
- Nominal Input Stage headroom: 46dB
- Pad Nominal Attenuation: -26dB
- Line Input Impedance: 10KOhms, type. (w/pad<<ON>>)
- Max. Input Level w/pad <<ON>>; +27dBu
- Microphone Powering: 3 positions switches: Phantom, Off, T12
- Bandwidth: 20 Hz to 20 kHz@+/-0.15dB, (10Hz@better than -1dB)
- Noise Referred to INput: -130 dBu (BW: 20 Hz-20kHz, unweighted)
- T.H.D. + Noise: far better than 0.1%, 20 Hz to 20 kHz, for any total gain < 50dB.
- Crosstalk Between Inputs: better than 80dB, from 20 Hz-20kHz.
- Common Mode Rejection: better than 65dB, typ 80dB, from 20 Hz-20kHz.

OUTPUTS

- Electronically Balanced Output Stage
- Zout: 50 ohms; Emax >+20dBu (>7Vrms/600 ohms)
- Output headroom: +16dB relative to 0Vu=+4dBm
- Sub Outputs: Asymmetrical, Zout; 50 Ohms, Emax +20dBu (>7Vrms/600 ohms)
- Extension Output: (Sub-D, 9 pins, female)
- Direct Channel output: 4 x Asymmetrical, Zout; 100 ohm, Emax +20dBu (>7Vrms/600ohms)
- Main Channel Output: 2 x Asymmetrical, Zout: 100 ohms, Emax +20dBu (>7Vrms/600 ohms)
- Headphone Output: 1/4 inch, Stereo, Zout: 50 ohms, Emax +20dBu (>7Vrms/600 ohms), short-circuit fully protected
- UHF transceiver output with power supply on a 6 pin Hirose connector
- AES/EBU or SPDIF (Optional): Plug-In module, Output via UHF Hirose 6p connector vSample Frequencies 44.1 or 48 kHz, Resolution 24 Bits

** All outputs are protected against random injection of a 48Vdc (Phantom powering)

** Sub outputs are not master dependent.

ADJUSTMENTS

- Input Stage Sensitivity Adjustment: 8 steps (7 x 6dB=42dB) rotary switch, w/knob
- Input -26dB PAD Insertion switch
- Microphone powering switch (3 positions, Phantom, Off, T12)
- Overload red LED indication @-6dB before input stage saturation (full wave detection)
- Phase Inversion switch, w/ green LED indicator for inverted signal
- 3 positions switch for High-Pass Filter: <<Off>> 80Hz and 120 Hz (-12dB/Oct)
- Dual potentiometer: internal shaft = channel level, external shaft = pan-pot
- Stereo coupling switches (1+2 and 3+4)
- Dual shaft potentiometer for Master Gain and Balance
- D.C. noiseless controlled gains, (common voltage command for the two channels)
- L/R controlled gains w/high tracking accuracy (> 80dB by V.C.A.)
- Noiseless, passive, high accuracy L/R balance
- 3 positions switch for Compressor /OFF/Limiter @ +10dBu(=6Vu) (typ., adjustable)
- Very high performances Compressor/Limiter, (THAT's V.C.A. loop)
- Threshold reference level, slope and R/C time constant internally adjustable

MECHANICAL

- External Power 3.5 to 12VDC
- Battery Power 8 x "AA" batteries
- Size 9.5"x 4.5"x 1.75"
- Weight < 5.0 lbs. with batteries

Specifications and features are subject to change without notice.



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