

# AD147 MERCURY MIXER



Click on the above for full screen image.  
(Down load may be slow)

Continuing on from the enormous success of the AD146, 4 output Portable Mixer the design concept of the AD147 was to give a choice of formats whilst maintaining the same high quality of build, components and performance.

The output section has been divided into 2 main groups controlled by full length linear faders and 2 Auxiliary Sends using Rotary Controls.

Pan Pots route the main Signal path while the Auxiliaries have individual level controls which are switchable between Pre and Post the Channel Fader and can also be switched completely out of circuit. This feature means that the mixer can also be used as a quasi 4 group unit.

By using an electronically balanced midline inputs and outputs there is a significant cost / weight benefit. Further savings in the build method result in an overall cost reduction of 20-25% on the equivalent frame size of the AD 146.

Many other features that have made the AD146 so popular are also included in this addition to the Audio Developments family.

## FEATURES

- The AD147 addition to the 140 series of mixers uses the same ultra low noise circuitry and customized aluminum extrusions that have rightly earned for the range its reputation for clean, crisp audio and reliability.
- The AD147 has been developed for discerning engineers who require Audio Developments' build and transparent sound quality allied with the simplicity of its predecessor - PICO.
- The AD147 incorporates the M-S facilities that are now much appreciated by Audio Developments' customers. Many recordists are aware of the advantages Blumlein's M-S microphone techniques have over all other microphone techniques - even when recording in the L-R domain.
- The AD147 has four mixing busses that enable mixing and/or recording to be performed in the L-R and M-S domains simultaneously. Matrix amplifiers may be switched into the main L-R output and across auxiliary 1 & 2 outputs.
- The AD147 takes advantage of the lower noise-floor of modern digital recorders - the limiter slope ratio is a gentle 7:1, thereby reducing distortion and making the artifacts normally associated with limiters much less noticeable or objectionable.
- The AD147 presents all its input and output connectors on one surface of the case and in-line with the corresponding module. The connector panel is labeled in order that it may be read from the front of the mixer. The integral carrying handle may also be used to support the mixer at a comfortable working angle.
- The AD147 inputs, main and auxiliary outputs are electronically balanced on XLRs with an option of transformer balancing on outputs. Separate connectors are used for microphone and line-level inputs: such is the isolation, both input signals may remain connected at all times. Monitor left, right and headphones together with stereo auxiliary return left and right appear on standard jacks. A 6-pin XLR carries two-way conversation between the mixer and an Outstation - boom operator, director etc.
- The AD147 receives its power from 10 x C cells fitted internally - the battery housing adding great strength to the casework. Alternatively, the mixer may be powered from an external 12-15v DC source. Audio Developments' AD100-09 power supply unit is designed to drive the mixer and, at the same time, charge a set of nickel cadmium batteries - when fitted.
- The AD147 possesses features and facilities rarely encountered in a mixer of its type and size: metering of all signal paths; matrix amplifier and balance/width control on monitor circuits; continuous or interrupted line-up tone; PFL, AFL, SIP...

## SPECIFICATION

MAX GAIN	MIC 85dB LINE 50dB	MAX. OUTPUT LEVEL	+24dBm
MAX. INPUT	AT MAX GAIN MIC -42dB LINE -7dB	OUTPUT IMPEDANCE	<75R ELECTRONICALLY BALANCED
INPUT IMPEDANCE	MIC >2k OHMS	NOISE	<126dB EIN MIC 20HZ-20kHz 200R SOURCE <75dBSNR LINE 20HZ-20kHz

MIC POWER	LINE >10k OHMS 48v PHANTOM, 12v TONADER	OUTPUT LIMITER	THRESHOLD +8dB ATTACK 4mS & 20mS INTERNALLY SWITCHABLE RELEASE 40mS & 100mS INTERNALLY SWITCHABLE
FREQUENCY RESPONSE	+0,-1dB; 20Hz-20kHz	POWERING EXTERNAL	12V-15V ON 4 PIN XLR INTERNAL 10 'C' cells Nicads or Drycells
HIGH PASS FILTER	-3dB @ 110Hz 12dB/OCTAVE	CURRENT CONSUMPTION	310mA (6 INPUT) without powered mics.
EQUALIZER	HF+12dB @ 10kHz VARIABLE SLOPE MF+1 5dB @ 2k6Hz PEAK & DIP LF+12dB @ 100Hz VARIABLE TURNOVER	DIMENSIONS EXC. HANDLE	6CH 8CH 10CH 12CH (349 390 451 512) x 340 x 120mm
TOTAL HARMONIC DISTORTION	<0.03% @ 1 kHz 0dBm <0.1% @ 40Hz; -20kHz; +15dBm	WEIGHT	7.5Kg 8.75Kg 10Kg 11.25Kg
CROSSTALK	<70dB; 40Hz to 15 kHz INTERCHANNEL & INTER-GROUP		



23 Portland Road, Aldridge, Walsall,  
West Midlands, WS9 8NS, England.  
Tel: 01922 457007 Fax: 01922 457008  
E mail: sales@audio.co.uk  
Web site: <http://www.audio.co.uk/>

Web Page Designed By P.Joesbury

Equipment meets with EU Directive on EMC