AD 255 MIXER

The AD 255 is the latest addition to Audio Developments range of portable mixers, having comprehensive facilities set out in an ergonomically friendly design and all contained in a rugged aluminium case with a relatively small footprint.

The features and specification are based on the well established AD 245 Pico Mixer. Two auxiliary sends and channel direct outputs are the main additional features. As with other models within the range, professional components are used throughout - including Penny and Giles 100mm long-stroke, conductive plastic faders.

Location sound professionals now require multi-track recording facilities the channel direct outputs provide the necessary features; without compromising the simplicity of operation and reliability of its counterpart the AD 245.

Mic Power
Mic/line selector
Phase Change
2 position H.P.Filter
90 & 150Hz turnover

EQ Bypass

Pre or Post Fader
Aux Selector

Pre Fade Listen
With LED indicator

Channel Over Load
Illuminates 3dB
before clipping

Penny and Giles
100mm fader

Variable Gain

3 Band EQ
HF turnover 10kHz
MF turnover 2k4Hz
LF turnover 100Hz

Battery Level
Indicator

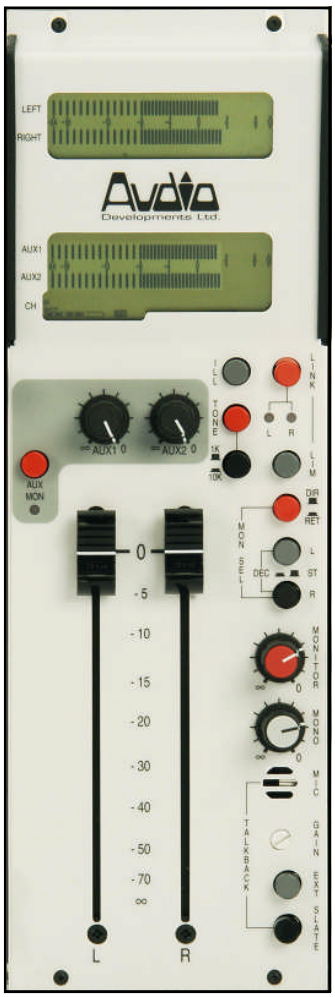
Aux 2 Level

Aux Level

Pan Control

Aux to monitor
Selector

Channel o/p Level



Left and Right Meter
PPM or VU selectable

Aux , Aux 2 and
Channel Meter

Meter Illumination

Line Up Tone

O/P Limiter

Headphone Selector
With Mono Left, Mono Right,
Stereo and Decode Options

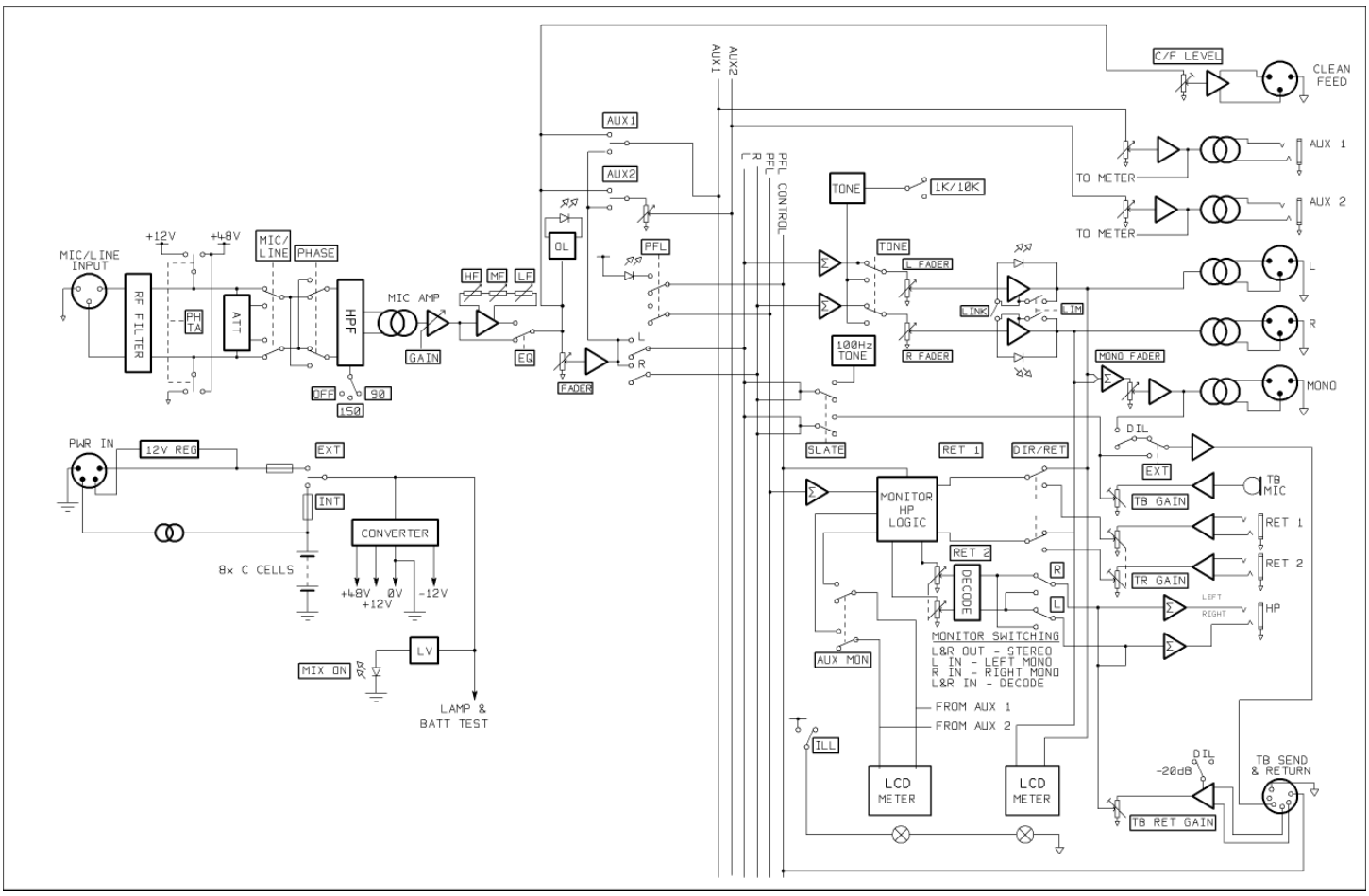
Headphone Level

Mono O/P Level

Talkback Microphone
With Gain Control

Talkback to 6 Pin XLR
Or Slate to Left and
Right Groups

BLOCK DIAGRAM



TECHNICAL SPECIFICATION - ELECTRICAL

REFERENCE 0dB=775mV at 1kHz unless otherwise stated.

MAX GAIN	MIC	80dB	
	LINE	50dB	
MAX INPUT LEVEL	MIC @ MAX GAIN	-44dB	@ MIN GAIN + 0dB
	LINE @ MAX GAIN	-14dB	@ MIN GAIN+20dB
	STEREO-RETURN	+18dB	
	TB RETURN	+18dB	
INPUT IMPEDANCE	MIC	>2k5R	
	LINE	>6k5R	
	STEREO-RETUR	>100kR	
	TB RETURN	>20kR	
MIC POWERING	48v PHANTOM & 12v TONADER		
MAX OUTPUT	+23dBm L-R, AUX & MONO		
	(600R LOAD) TRANSFORMER BAL		
	+18dBm DIRECT OUT, H'PHONE & EXTERNAL 1		
	(600R LOAD) UNBALANCED		
OUTPUT IMPEDANCE	<60R L-R, AUX & MONO		
	<20R DIRECT OUT, MONITOR & EXTERNAL 1		
FREQUENCY RESPONSE	0: -1dB L-R, AUX & MONO & DIRECT OUT		
	0: -1.5dB MONITOR PATHS		
HARMONIC DISTORTION	<0.05% @ 1kHz @ 0dBm OUTPUT		
	<0.15% @ 40Hz to 15kHz @ +15dBm OUTPUT		
OVERLOAD INDICATOR	ILLUMINATES @ +15dBu at the PRE-FADER		
CROSSTALK	<-70dB 40Hz to 15kHz		
	INTERGROUP & INTERCHANNEL		
NOISE	MIC <-126dB EIN 20Hz to 20kHz; 200R SOURCE		
	LINE <77dB SNR 20Hz to 20kHz 0dBu IN & OUT		
EQUALISATION	HF: ±10dB @ 10kHz		
	LF: ±10dB @ 100Hz		
	MF: ±15dB CENTRE FREQUENCY 2k5Hz Q=1.2		
	HPF: PRE-TRANSFORMER 12dB/OCTAVE		
	-3dB @ 150Hz		
	-3dB @ 90Hz		
OUTPUT LIMITER	THRESHOLD +8dB		
	RATIO 7:1		
	ATTACK 2 SETTINGS, INTERNALLY SWITCHABLE		
	1: 4mS 2: 0.8mS		
	RELEASE 2 SETTINGS, INTERNALLY SWITCHABLE		
	1: 250mS 2: 80mS		
	FACTORY SETTING: SLOW		
CURRENT CONSUMPTION	230mA (8 INPUT) 12V DC SUPPLY		
DIMENSIONS	320 X 304 X 105mm 6 INPUT		
	381 X 304 X 105mm 8 INPUT		
WEIGHT	6Kg 6 INPUT 8Kg 8 INPUT		

MOODY INTERNATIONAL CERTIFICATION

UKAS QUALITY MANAGEMENT 014

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