



# MLM82S

## Stereo Mic and Line Mixer

The MLM82S features four balanced, studio grade, Mono Mic/Line Inputs with XLR jacks and 15V DC phantom power. Each of the four Mic/Line Inputs may be assigned to the A, the A+B or the B Outputs. Independent Level/Gain Trim controls and Signal/Overload indicators are provided for each Mic/Line Input.

The MLM82S also features four stereo line level inputs with 12 dB of line gain. Each Stereo Line Input features a recessed Mono switch with indicator and Level control. A and B Output Level controls set the master mix level independently for A and B Outputs. The mix amplifiers feature independent overload indicators. To correct any overload condition, the entire mix can be reduced and/or individual Input Levels adjusted. A and B mix Outputs each have an internal switch for padding the output signal to Mic level. The factory default is Line level.

With features like Mic-Line A / A+B / B Assign switches, independent Stereo Line Input Mono switches and additional line gain, the MLM82S is one of the most versatile mixers in its class. It is ideal for installations requiring ease of use, compact size, low cost, high performance and security. Applications include, but not limited to, hotels, conference rooms, schools and rental sound systems.

### Features

- Four balanced Mic/Line Inputs (XLR) with:
  - 15V phantom power
  - Bi-colour signal present/overload indicators
  - Trimless mic stage preamplifiers
  - A/A+B/B Assign Switch
- Four Balanced Stereo Line Inputs (1/4" TRS) with:
  - Independent Mono switch
  - 12 dB of line gain
- Two Balanced Outputs (XLR) with:
  - Independent Overload indicators
  - Independent Level controls
  - Internal pad for Mic level output



Parameter	Specification	Limit	Conditions / Comments
<b>Inputs</b>			
Type	Active Balanced		
Mic Connectors	XLR		Pin 2 = (+)
Stereo Line Connectors	¼" TRS		Tip = (+), ring = (-), sleeve = GND
<b>Mic / Line Input</b>			
Impedance	1k / 96kΩ	1%	Balanced 500 + 500 / 48k + 48k
Mic Gain Range	Off to +60dB	±1.5	
Line Gain Range	Off to +20dB	±1.5	
Equivalent Input Noise	-128dBu	typ	20kHz bandwidth, 150Ω termination
THD & Noise	0.02%	max	Gain = 40dB, +4dBu @ 1kHz, 80Hz BW
Frequency Response	30Hz-35kHz	-3dB	
Maximum Input	11.9dBu	typ	Minimum Gain (3Vrms)
Maximum Input @ Mic Level	38.6dBu	typ	Maximum Gain (9.1 mVrms)
<b>Stereo Line Input</b>			
Impedance	20kΩ	min	
Gain Range	Off to +12dB	±1	
Signal-To-Noise Ratio	90dB	typ	Unity gain, output @ +4dBu, 22kHz BW
Frequency Response	10Hz-35kHz	-3dB	
THD & Noise	0.007%	max	+4dBu at 1kHz, 80kHz BW
<b>Outputs</b>			
Type	Active Balanced		
Connectors	XLR		
Impedance	200/100Ω	1%	Line level Out/Mic Level Out
Gain Range	Off to +6dB	±2	
Drive Level	+24dBu		600 Ω load balanced
Phantom Power	+15V DC	4%	
Output Cable Length	1500feet	typ	Line-level, <50pF per foot
Crosstalk	-75dB @ 1kHz	max	Re + dBu any channel to any channel
Power Supply Requirement	100 to 240V AC	10%	50/60Hz, 7W
<b>Unit</b>			
Conformity	CE, FCC, cULus		
Construction	All Steel		
Size	1.75"H x 19"W x 5.3"D (1U)		4.4cm x 48.3cm x 13.3cm
Weight	4lb		1.82kg