



The 801i is a single rack-space mixer, with eight mic/line inputs and one auxiliary line input. Each mic/line channel uses a differentially balanced, discrete transistor preamplifier for low noise and low distortion performance. Special features, including a limiter and remote level control, make the 801i extremely versatile. The 801i mixer is dependable, easy to install, simple to operate, and carries a five-year warranty.

FEATURES

- 8 differential balanced mic/line inputs & 1 aux line input
- discrete transistor mic/line preamps for low noise/distortion
- +24 volt phantom power selectable on each mic/line input
- aux input switch selectable for balanced or stereo summing
- aux input 'auto-ducking' switch selectable on channels 1~8
- front panel trim and rear panel pad switch on each channel
- +10dB 'peak' LED indicator on each channel for easy set-up
- high-pass 'rumble' filter switch selectable on each channel
- mic/line & aux inputs on plug-in barrier strip connectors
- balanced main output on plug-in barrier strip connector
- main output limiter with threshold control and LED indicator
- main out Bass & Treble control with rear panel bypass switch
- -20dB signal present & power LED indicators at main output
- channel 1 automatic override assignable on other channels
- optional remote control of main out via external level control
- stack in & slave switch for adding inputs by linking units
- **CE** marked and **UL / C-UL** listed power source
- **RoHS** compliance and **AES** grounding practices

ARCHITECTS & ENGINEERS SPECIFICATION

The mixer shall provide 8 differential balanced mic/line inputs and one auxiliary line input, all on plug-in barrier-strip connectors. The mic/line pre-amplifiers shall be of discrete transistor design to insure low noise and low distortion performance. Phantom Power shall be +24 Volts, selectable on each mic/line input via rear panel DIP switches. The auxiliary line input shall be selectable for either balanced mono input or unbalanced stereo summing input, via rear panel DIP switch. Rear panel DIP switches shall allow signal present in any or all of the eight mic/line inputs to trigger 15dB of automatic attenuation at the auxiliary line input. Front panel screw-driver adjustable trim controls and rear panel pad switches shall be provided on each input channel. Each input channel shall also include a rotary level control, an LED peak indicator, a high-pass filter switch, and an unbalanced direct output terminal.

The mixer main output shall be electronically balanced on plug-in barrier-strip connectors. The output section shall include Treble & Bass tone controls with a rear panel bypass switch, a limiter with threshold control & LED indicator, a signal present LED indicator, a rotary level control, and connection for an optional external remote level control. A stack input & slave switch shall allow multiple mixers to be linked, for increased system input capability. Channel 1 automatic priority override shall be assignable on other input channels.

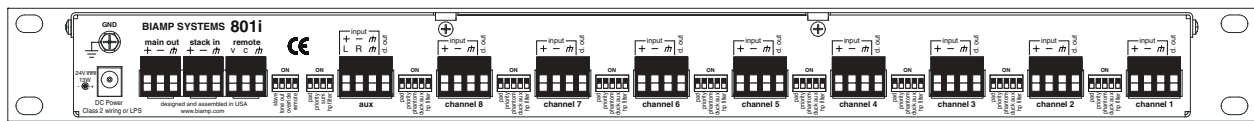
Frequency Response shall be +0/-1dB from 20Hz to 20kHz at +4dBu. THD + Noise shall be less than .08% from 20Hz to 20kHz at +4dBu. EIN shall be less than -123dBu and output Hum & Noise shall be less than -78dBu from 20Hz to 20kHz at nominal level. Power Consumption shall be less than 13 Watts. Dimensions shall be 1.75 inches (1 rack space) high, 19 inches wide, and 7 inches deep. Weight shall be 6 lbs. The mixer shall be CE marked with a UL / C-UL listed power source, and shall incorporate AES48-2005 Grounding & EMC practices. The mixer shall be compliant with EU Directive 2002/95/EC, the RoHS directive. Warranty shall be 5 years.

The mixer shall be a BIAMP 801i.

801i SPECIFICATIONS

Frequency Response (20Hz~20kHz @ +4dBu):	+0/-1dB	Maximum Output:	
THD+Noise (20Hz~20kHz @ +4dBu):	< 0.08%	main output	+24dBu
Equivalent Input Noise (20Hz~20kHz, 150Ω term.):	-123dBu	channel direct	+18dBu
Output Noise (20Hz~20kHz):		Input Impedance:	
master level control down	< -86dB	mic/line inputs (balanced)	5.1k ohms
master level & one channel at nominal	< -78dB	stack input (balanced)	40k ohms
Maximum Gain:		Maximum Input:	
mic input to main output	85dB	mic/line input	+20dBu
stack input to main output	9dB	stack input	+24dBu
Output Tone Controls:		Crosstalk (channel-to-channel @ 1kHz):	-60dB
Bass & Treble	±10dB @ 100Hz & 10kHz	Power Consumption (115/230VAC 50/60Hz):	< 13 watts
Channel High-Pass Filters:		Dimensions:	
frequency	-3dB @ 170Hz	height (1 rack space)	1.75 inches (44mm)
slope	6dB/octave	width	19 inches (483mm)
Output Limiter:		depth	7 inches (178mm)
attack time	1~2 mS (program dependent)	Weight:	6 lbs. (2.72kg)
release time	100~500 mS (program dependent)	Compliance:	AES48-2005 Grounding & EMC practices
threshold range	-4dBu ~ +24dBu		EU Directive 2002/95/EC, RoHS directive
Output Impedance:			CE marked
main output (balanced)	200 ohms		UL listed power source
channel direct (unbalanced)	100 ohms		

801i REAR PANEL DIAGRAM



801i BLOCK DIAGRAM

