

MIC/Line Mixers

Models CAM8 and CAM8PRO



Description

The Bogen CAM8 and CAM8PRO are 8-input, dual-bus MIC/Line mixers that combine superb performance with a generous array of simple-to-use features in a single-rack space design. Both models feature 8 independently assignable inputs switchable between MIC and Line. Each input has a trim control, a switchable low-cut filter, and a Main/Auxiliary bus output selector. An additional Auxiliary input can be routed to the Main output, AUX output, or both by setting internal jumpers. Phantom Power is provided for condenser microphones.

The CAM8PRO also features a built-in Compressor/Limiter with adjustable Threshold and Ratio Controls. A Bar Graph Output Meter indicates input signal levels. The CAM8PRO also includes a headphone output. Solidly engineered, the Bogen CAM8 and CAM8PRO mixers will provide many years of trouble-free operation.

CAM8 & CAM8PRO Features

- 8 independently assignable inputs
- Dual-bus design with Main/AUX output selector for each input
- Pluggable terminal strip connections
- Separate Auxiliary input
- Balanced inputs and outputs
- Direct bus connection for cascading multiple mixers
- MIC/Line switch for each input and Main output
- Gain/Trim Control for each input
- Low Cut Filter for each input
- Switchable Phantom Power for condenser MIC inputs
- Input Level Control knob for each input
- Output Level Control knob for Main and AUX outputs
- Sealed potentiometers for low noise and long life
- Heavy-duty construction
- External power supply

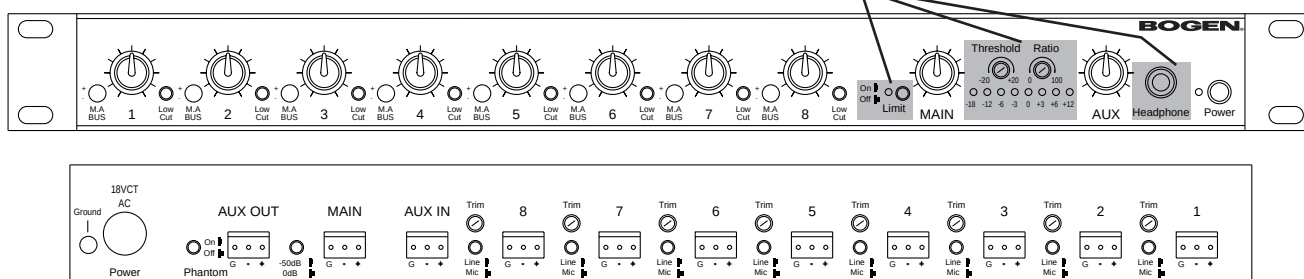
CAM8PRO Added Features

- Compressor/Limiter (Main output)
- Compressor/Limiter Bypass switch
- Adjustable Threshold and Ratio Controls
- LED Bar Graph Output Meter (Peak or Average)
- Headphone Output

BOGEN®

Specifications subject to change without notice.
© 2002 Bogen Communications, Inc.
Part No. 54-8007-01C Printed in U.S.A. 0508

Available on CAM8PRO only



Technical Specifications

Signal-to-Noise	Ref +26 dB μ @ 54 dB	AUXILIARY INPUT	
Mic Pre-amp EIN	sys gain = 90 dB	Input Impedance	20k-ohm balanced
Max. Voltage Gain	-129 dB @ 150-ohms,	Nominal Input Level	0 dB μ
Frequency Response	20 Hz to 20 kHz	OUTPUTS	
Crosstalk (adjac. ch.)	96 dB	Output Impedance	220-ohm unbalanced,
Phantom Power	± 1 dB from 20 Hz to 20 kHz		440-ohm balanced
	better than -90 dB	Nom. Load Impedance	600 ohms
	+30V DC	Nominal Level	+4 dB μ RMS
INPUTS 1-8		Maximum Level	+26 dB μ RMS Balanced
Input Impedance	3.5k-ohm MIC	Main Output Mic Pad	-50 dB
	15k-ohm Line	AUXILIARY CIRCUITS	
Nom. Source Impedance	150 ohms	LED Bar Graph	-18, -12, -6, -3, 0, +3, +6, +12VU
Line Pad	-50 dB		(0 VU = +4 dB)
Input Gain/Trim Range	40 dB		Average or Peak reading
Nominal Input Level	-50 dB μ line pad off		Peak reading per DIN spec. 45406
(trim pot mid-range)	0 dB μ line pad on		(1.7 ms attack, 65 ms decay)
Minimum Input Level	-70 dB μ line pad off	Limiter/Compressor:	
(trim pot max gain)	-20 dB μ line pad on	Threshold Adj. Range	+20 dB to -20 dB
Maximum Input Level	-30 dB μ line pad off	Ratio Adj. Range	0 to 100%
(trim pot min gain	+20 dB μ line pad on	Low Cut Filter	12 dB/octave at 150 Hz
plus +20dB headroom)		Power Requirements	18V AC center-tapped,
			21V AC/120V AC, 60 Hz
		Dimensions	19" W x 1-3/4" H x 6" D
		Weight	Shipping: 10 lb.; Product: 7 lb.

Architect & Engineer Specifications

The unit shall be a Bogen Model _____ (specify CAM8 or CAM8PRO). Frequency response shall be 20 Hz to 20 kHz, ± 1 dB. Power requirements shall be 18V AC center-tapped, 21V AC/120V AC at 60 Hz. The unit shall utilize an external power supply.

The unit shall measure 19" W x 1-3/4" H x 6" D, weigh 7 pounds, and be rack-mounted in a standard rack or placed on a flat surface.

The unit shall have 8 inputs, each with Main/AUX output selector, Gain/Trim Control, Input Level Control knob, Low Cut Filter, and MIC/Line switch.

The unit shall have balanced inputs and outputs with an Output Level Control knob for Main and AUX outputs.

The unit shall have an additional Auxiliary output.

The MIC inputs shall have switchable Phantom Power (+30V DC) for condenser microphones.

The unit shall be of heavy-duty construction with sealed potentiometers and pluggable terminal strip connections.

The CAM8PRO shall include a Compressor/Limiter with adjustable Threshold and Ratio Controls, an LED Bar Graph Output Meter, and a Bypass switch. It will also include a Headphone Output.