

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

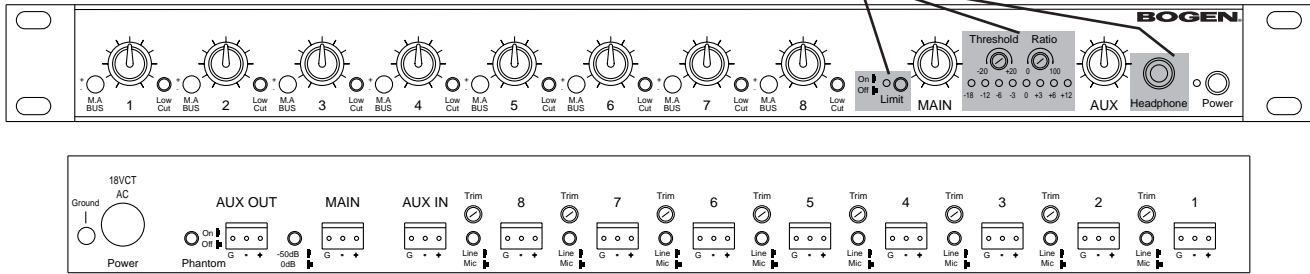
CAM8PRO Added Features

- 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.
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Available on CAM8PRO only



Technical Specifications

Signal-to-Noise Ref +26 dB μ @ 54 dB
sys gain = 90 dB

Mic Pre-amp EIN -129 dB @ 150-ohms,
20 Hz to 20 kHz

Max. Voltage Gain 96 dB

Frequency Response ± 1 dB from 20 Hz to 20 kHz

Crosstalk (adjac. ch.) better than -90 dB

Phantom Power +30V DC

INPUTS 1-8

Input Impedance 3.5k-ohm MIC
15k-ohm Line

Nom. Source Impedance 150 ohms

Line Pad -50 dB

Input Gain/Trim Range 40 dB

Nominal Input Level -50 dB μ line pad off
0 dB μ line pad on

Minimum Input Level -70 dB μ line pad off
(trim pot max gain) -20 dB μ line pad on

Maximum Input Level -30 dB μ line pad off
(trim pot min gain plus +20dB headroom) +20 dB μ line pad on

AUXILIARY INPUT

Input Impedance 20k-ohm balanced

Nominal Input Level 0 dB μ

OUTPUTS

Output Impedance 220-ohm unbalanced,
440-ohm balanced

Nom. Load Impedance 600 ohms

Nominal Level +4 dB μ RMS

Maximum Level +26 dB μ RMS Balanced

Main Output Mic Pad -50 dB

AUXILIARY CIRCUITS

LED Bar Graph -18, -12, -6, -3, 0, +3, +6, +12VU
(0 VU = +4 dB)
Average or Peak reading
Peak reading per DIN spec. 45406
(1.7 ms attack, 65 ms decay)

Limiter/Compressor:
Threshold Adj. Range +20 dB to -20 dB

Ratio Adj. Range 0 to 100%

Low Cut Filter 12 dB/octave at 150 Hz

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.