MIC/Line Mixer

Model CAM8PRO

Description

The Bogen CAM8PRO is an 8-input, dual-bus MIC/Line mixer that combines superb performance with a generous array of simple-to-use features in a single-rack space design. It features 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 output signal levels. The CAM8PRO also includes a headphone output. Solidly engineered, the Bogen CAM8PRO mixer will provide many years of trouble-free operation.

Features

- 8 independently assignable inputs
- Dual-bus design with Main/AUX output selector for each input
- Compressor/Limiter (Main output)
- Compressor/Limiter Bypass switch
- Adjustable Threshold and Ratio Controls
- LED Bar Graph Output Meter (Peak or Average)
- 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
- Headphone Output
- Sealed potentiometers for low noise and long life
- Heavy-duty construction
- External power supply
- Single-rack space

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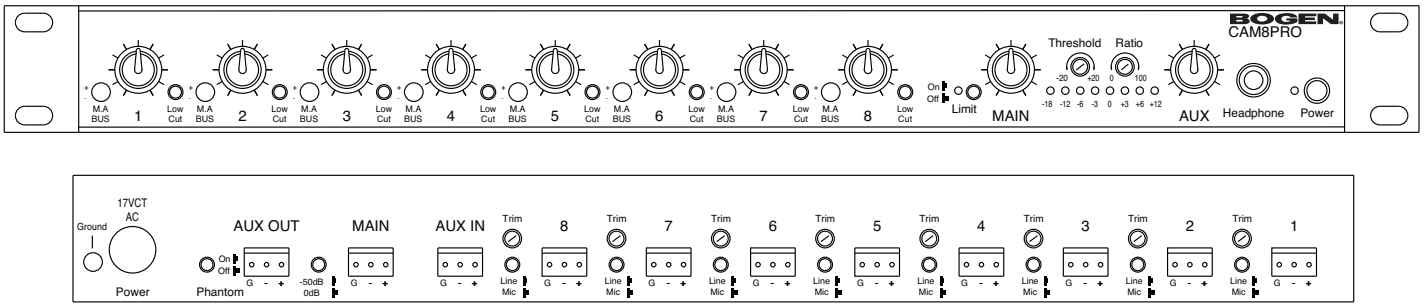

Technical Specifications

Signal-to-Noise	Ref +26 dBV @ 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 (trim pot mid-range)	-50 dB*µ* line pad off 0 dB*µ* line pad on
Minimum Input Level (trim pot max gain)	-70 dB*µ* line pad off -20 dB*µ* line pad on
Maximum Input Level (trim pot min gain plus +20dB headroom)	-30 dB*µ* line pad off +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
Limiter/Compressor:	
Threshold Adj. Range	+20 dB to -20 dB
Ratio Adj. Range	0 to 100%
Low Cut Filter	18 dB/octave at 100 Hz
Power Requirements	17V AC center-tapped, 120V AC, 60 Hz
Dimensions	19" W x 1-3/4" H x 7-1/2" D
Product Weight	7 lb.

Architect & Engineer Specifications

The unit shall be a Bogen Model CAM8PRO. Frequency response shall be 20 Hz to 20 kHz, ±1 dB. Power requirements shall be 17V AC center-tapped, 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 7-1/2" 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.