

# Mixer/Pre-Amplifier

## Model CAM2



### Description

The Bogen Model CAM2 is a 5-input mixer/pre-amplifier that meets a wide variety of applications.

The CAM2 is particularly well-suited for expanding the number of inputs on Bogen or other public address amplifiers. The CAM2 provides 4 professional, low-impedance, balanced microphone inputs through XLR connectors and 1 high-impedance auxiliary input.

Individual phantom power switches for each input allow the use of both dynamic and condenser microphones on the same unit. A bridging input allows for simple interconnection of multiple CAM2 mixers for system expansion without the need to sacrifice any mixer inputs. Clipping indicators for each input and an output level meter provide information to the system operator about sound integrity. Wide frequency response, low distortion, low-noise and high channel crosstalk isolation ensure superior sound quality. The CAM2's balanced mixer output can be switched between line-level (+4 dBu) or microphone-level (-50 dBu) for compatibility to a wide range of sound processing equipment.

The CAM2 is UL and C-UL listed.

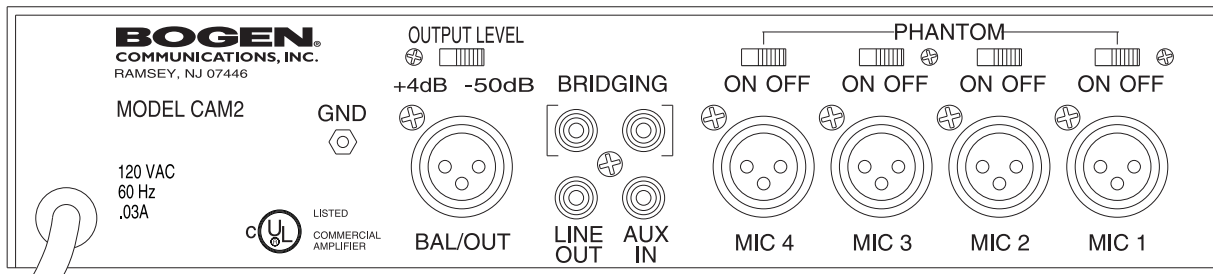
The unit may be rack-mounted with a Model RPK35B Rack Panel Kit (1 or 2 rack spaces high), or vertically in-wall mounted with a Model WMK1 Wall Mounting Kit. The CAM2 operates from 120V AC, 60 Hz.

### Features

- 4 Microphone inputs
- Low-impedance, balanced microphone inputs
- 1 High-impedance auxiliary input
- Low-noise, active mixing
- Master volume control
- Input clipping indicator for each channel
- 5-Segment LED output level meter
- XLR microphone input connectors
- Phantom power selectable per MIC input
- Unbalanced line-level output
- Balanced XLR output
- Illuminated power switch
- Switchable output level (+4/-50 dBu)
- UL and C-UL listed
- Compact size
- Bridging input for connecting together multiple CAM2 mixers
- Rack- and wall-mount kits available (RPK35B and WMK1, respectively)



Specifications subject to change without notice.  
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**Technical Specifications**

	<b>Rated Output Levels:</b>	
	<i>Bal Out:</i>	+4 dBu or -50 dBu (switch selected)
	<i>Line Out:</i>	0 dBu
	<b>Frequency Response:</b>	+/- 1dB, 20 Hz to 20 kHz
	<b>Distortion at Rated Output:</b>	Less than .5%
	<b>Headroom:</b>	10 dB
	<b>MIC Input Equivalent Input Noise:</b>	-123 dBV (150 ohms source, 20 Hz - 20 kHz)
	<b>MIC Input Sensitivity:</b>	300uV for rated output
	<b>MIC Input Impedance:</b>	600 ohms
	<b>AUX Input Signal-to-Noise:</b>	75 dB (Ref to rated output level, 20 Hz - 20 kHz)
	<b>AUX Input Sensitivity:</b>	70mV for rated output
	<b>AUX Input Impedance:</b>	10k ohms
	<b>Bal/Out Output Impedance:</b>	140 ohms (+4dBu position)
	<b>Bal/Out Nominal Load Impedance:</b>	600 ohms
	<b>Line Out Output Impedance:</b>	50 ohms
	<b>Line Out Nominal Load Impedance:</b>	600 ohms
	<b>Crosstalk (adjacent channels):</b>	Better than -90 dB
	<b>Phantom Power:</b>	+12V DC
	<b>Output Level Meter (Bar Graph):</b>	+3, 0, -3, -8, -12 dB
	<b>MIC Input Clipping LED:</b>	-29 dBV (35mV)
	<b>Controls:</b>	4 MIC controls 1 AUX control 1 MASTER control 1 POWER switch 4 Phantom Power switches BAL/OUT Output Level switch
	<b>Temperature Range:</b>	14 to 120°F; -10 to +48°C
	<b>Power Consumption:</b>	120V AC, 60 Hz, .03A
	<b>Dimensions:</b>	11-3/8" W x 2-7/8" H x 7-3/4" D
	<b>Shipping Weight:</b>	4 lb.

**Architect and Engineer Specifications**

The unit shall be a Bogen Model CAM2 or approved equivalent. It shall operate from 120V AC, 60 Hz. Inputs shall be provided for four balanced, low-impedance microphones and one high-impedance, high-level, auxiliary sound source. All microphone inputs shall use XLR connectors and have individual phantom power switches. Each input shall include a front-mounted clip indicator and the main output shall be monitored by a 5-segment LED meter. The pre-amplifier shall incorporate active mixing to minimize both mixing bus noise and interaction between

channel gain controls, while providing excellent crosstalk isolation between channels. The pre-amplifier shall provide a balanced output that can be switched between providing a line-level or microphone-level output signal. A separate unbalanced line-level output shall be provided. A bridging input shall be provided that allows multiple CAM2 units to be interconnected without the need to use any of the MIC or AUX inputs. Operating parameters shall be as set forth in the Technical Specifications table above.

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