



CAM150

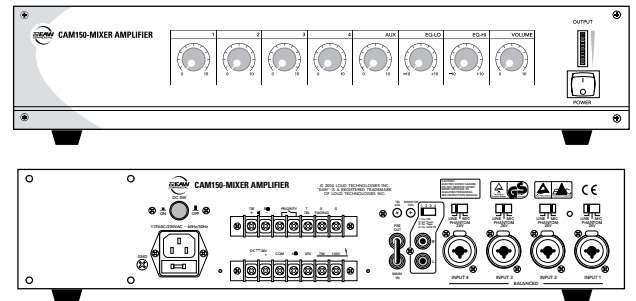
5 INPUT X 1 OUTPUT 150 W MIXER-AMPLIFIER

DESCRIPTION

The CAM150 is designed for continuous duty in speech, music, paging, and sound reinforcement applications demanding high performance, flexible features, and rugged dependability. Each of the four, actively balanced, mic/line inputs have combination XLR-1/4 in input jacks and a sensitivity switch for line level, mic level, or mic-level with 24 V DC phantom power. Aux stereo and telephone paging inputs are also provided as well as a signal processing loop.

Input 1 has voice-activated priority over Inputs 2 to 4 and the Aux input. Inputs 1 to 4 have switch-activated priority over the Aux input. The Telephone Paging input has voice-activated priority over all inputs. The front panel includes Mic/Line input, Aux, and Master level controls, as well as bass and treble. An LED meter indicates signal strength and output overload. An internal 1 watt amplifier with level control allows monitoring the Aux input.

The CAM150 provides outputs for 4 ohm loads and for 25 V, 70 V, and 100 V distributed systems. The output stage has smart circuitry to protect against permanent damage caused by overloading, shorts, and extreme temperatures. The CAM150 operates on 115 V or 230 V AC mains determined by a voltage select switch. A 24 V DC power input allows connecting backup battery power with automatic AC to DC switchover. Five year warranty.



Features

- Discrete component 150 W power amplifier
- Signal processing loop
- Multiple priority override circuits
- 2 rack unit mounting kit included

Applications

- Paging Systems
- Hotel and Ballrooms
- Schools
- Foreground/Background Music Systems
- Houses of Worship
- Meeting Rooms
- Offices



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PERFORMANCE

Input 1-4 (balanced / unbalanced)

	<i>Sensitivity</i>	<i>Impedance</i>
Mic	0.5 mV / 1 mV	600 ohm
Line	50 mV / 200 mV	47k ohm

Aux In (unbalanced)

Aux	100 mV	20k ohm
Tuner	180 mV	30k ohm
Tape	320 mV	50k ohm
CD	570 mV	80k ohm

Tel/Paging (balanced / unbalanced)

Variable	600 ohm
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Main In (unbalanced)

1 V	10k ohm
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Output

	<i>Maximum</i>	<i>Load Impedance</i>
Preamp	1 V (nominal)	600 ohm
Monitor	1 W	8 ohm
Low Z	150 W	4 ohm
High Z	25 V / 70 V / 100 V	4 ohm / 33 ohm / 67 ohm

Operating Range (+/-3 dB)

Mic In to Amp Out	50 Hz to 15 kHz
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Noise

>60 dB (below maximum output)

Distortion (THD, 60 W @1 kHz)

<0.5%

PHYSICAL

Front Controls

	<i>Type</i>	<i>Range</i>
Input 1-4	Level	0 to 10
Aux	Level	0 to 10
Equalization	Lo	+/-10 dB @ 100 Hz
	Hi	+/-10 dB @ 10 kHz
Volume	Level	0 to 10
Power	AC mains	On / Off

Rear Controls

Input 1-4	Select	Line/Mic/Phantom 24V
Power Switch	24 V DC	On / Off
Aux	Select	CD/Tuner/Tape/Aux
Tel & Mon Vol	Level	

Mains Power

	<i>Rating</i>	<i>Fuse</i>
AC (50/60 Hz)	115 V / 230 V (+/-5%)	2.5 A fuse
DC	24 V	15 A fuse
Power Input	345 W	

Environmental

Maximum Ambient	131° F / 55° C
Humidity	Non-precipitating

Dimensions (inches / mm)

H x W x D	3.9 x 17.1 x 13.2	100 x 435 x 335
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Weight (approximate net lb / kg)

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