

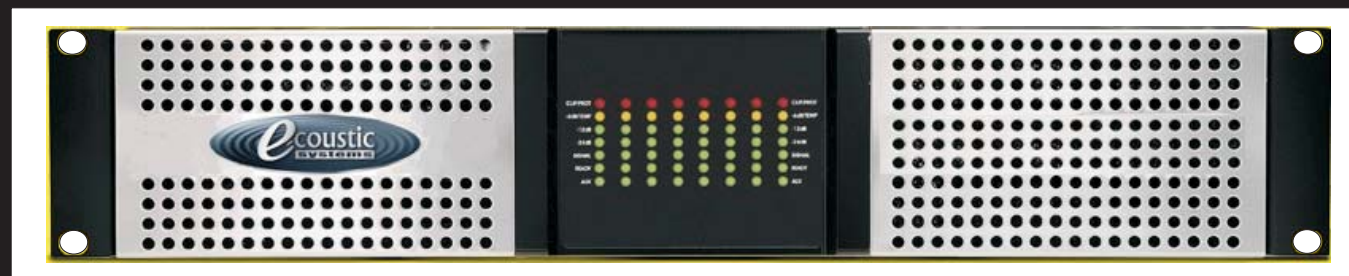


# I8 EIGHT CHANNEL POWER AMPLIFIER

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The E-coustic Systems I8 is the new state of the art in compact, high output, multi-channel audio amplification. The I8 provides unrivaled audio quality and performance. In addition, the I8 features redundant universal switch mode power supplies with PFC and patented Smart Rail Management that maximizes efficiency and reduces power consumption. The I8 is unique in its ability to drive either high or low impedance loads from any channel. In addition, it can drive low impedance loads using bridged channels. Each channel incorporates a switchable high pass filter, with frequency selection of 35 Hz or 70 Hz.

Thermostatically controlled fans draw air from the front panel, and exhaust heat the rear of the amplifier. Four units can be stacked, with 1RU space between stacked groups. This dramatically reduces required rack space, and simplifies system wiring. Output power is an ideal match for the entire range of E-coustic Systems loudspeakers and subwoofers.



## SPECIFICATIONS

Output Power	Single Channel Mode			Bridge Mode		
	2 ohm	4 ohm	8 ohm	2 ohm	4 ohm	8 ohm
	450W	500W	250W	900W	1000W	500W
Max Output Volts \ Amps	65 V peak \ 15 A peak			135 V peak		

### AC Main Power

Power Supply	Redundant, universal, regulated switch mode w/PFC	
Nominal Power Requirement	100-240 V +/- 10%	50-60 Hz
Operating Voltage	90-240 V	

### Power Consumption

	115 V		230 V	
Idle	30 W	0.6 A	33 W	0.8 A
1/8 of max output power	740 W	6.6 A	750 W	3.9 A
1/4 of max output power	1400 W	12.4 A	1405 W	6.9 A

### Thermal

Operating Temperature Range	0 deg.-45 deg. C 32 deg.-113 deg. F
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### Thermal Dissipation

	115 V	230 V
Idle	103 Btu/hr	118 Btu/hr
1/8 of max output power	801 Btu/hr	839 Btu/hr
1/4 of max output power	1340 Btu/hr	1340 Btu/hr

### Audio

Gain	32 dB
Input Sensitivity	1.2 V / 3.8dBu
Max Input Level	6 V / 17.8dBu
Frequency Response	20Hz - 20kHz +/- 0.5 dB @ 1W, 8 ohms
S/N Ratio	107 dB (20Hz-20kHz, A weighted)
Crosstalk Separation	65 dB @ 1kHz
THD+N	<0.8% from 1W to full power (<0.05% typical)
IMD	<0.8% from 1W to full power (<0.05% typical)
Input Impedance	10 k ohms balanced
Slew Rate	50 V/us @ 8 ohms, input filter bypassed
Damping Factor	>10000 @100 Hz (Low-Z)

### Connectors

AC Main	IEC C-20 Connector 20 A Max
Audio Input-MAIN	1 X 12 pin Phoenix MC 1.5/12-ST-3.81
Audio Input-AUX	1 X 12 pin Phoenix MC 1.5/12-ST-3.81
Alarm	2 X 12 pin Phoenix MC 1.5/12-ST-3.81
Remote LINE/AUX	1 X 4 pin Phoenix MC 1.5/4-ST-3.81
Remote ON/OFF	1 X 4 pin Phoenix MC 1.5/4-ST-3.81
Loudspeakers	2 X 8 pin DFK-PC 4/8-G-7.62

### Dimensions

19"W x 3.5"H x 14.2"D

### Weight

30.9 lbs.