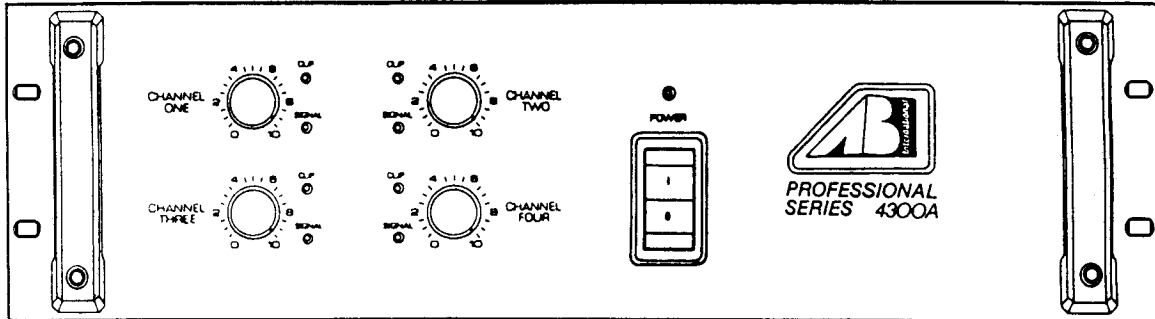


MODEL 4300A

FOUR CHANNEL

AMPLIFIER



The AB International Professional Series Model 4300A is a four channel full featured Amplifier. This compact instrument (three rack unit) is equipped with two individual power supplies, four independent balanced and unbalanced inputs, detented level controls, signal present and "Soft Clip" indication, convection cooled with temperature activated fan assist, Stereo/Bridge switches. The 4300A delivers 200 Watts into 8 Ohms, 300 Watts into 4 Ohms and 500 Watts into 2 Ohms all four channels driven from 20Hz to 20kHz at .1% distortion.

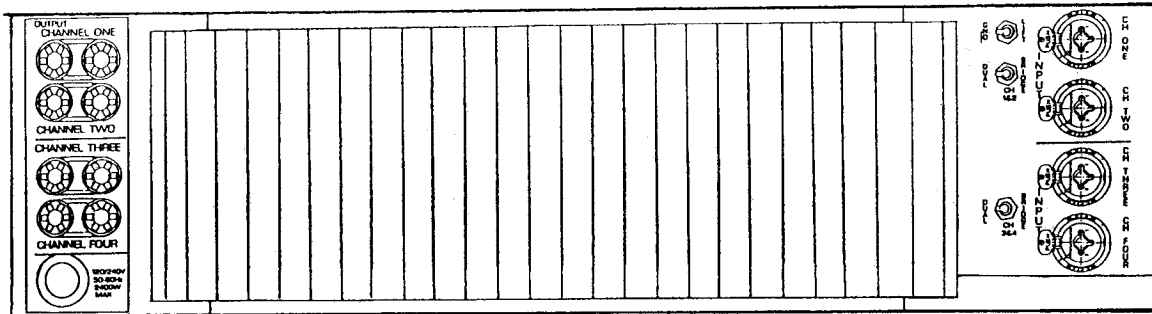
Model 4300A incorporates a three year Five Star protection plan featuring the following unprecedented circuitry. VI energy limiters are incorporated for short circuit protection. If an extreme low impedance exist, a current sensing circuit will reduce the output to prevent amplifier overdrive.

If an abnormal high AC line voltage is present or an excessive voltage surge appears, the amplifier will detect the situation and turn itself off. If an unlikely DC situation occurs, DC sensing circuits will trigger the amplifier channel and turn off. Thermal sensors are installed in each channel to prevent an over temperature condition. "Soft Clip" circuitry has been incorporated for added protection to prevent hard clipping from improper use.

Other features included are internal selectable input sensitivity, ground lift switch and fully modular design for service accessibility. 70v transformers are available in a variety of options for distributed systems.

The Model 4300A operates from 100/240V 50-60Hz AC Mains and measures 5 1/4" high (three rack unit), 19" wide and 13" deep.

AB MODEL 4300A SPECIFICATIONS



Type:	Four channel amplifier	Damping Factor:	500:1 at 1kHz
Continuous Power Output Per Channel	200w @ 8 Ohms 300w @ 4 Ohms 500w @ 2 Ohms	Slew Rate:	Closed-loop response greater than 40V per microsecond
20Hz to 20KHz:	550w @ 8 Ohm Bridged 900w @ 4 Ohms Bridged 70v Operation (Call for specs.)	Crosstalk:	-80dB
Frequency Response:	Plus/minus 0.25dB 20-20kHz	Gain:	30.5dB
Distortion:	No more than 0.1% THD or IM, 0.01 to rated output, 20Hz to 20kHz (typically 0.01%)	Mainframe Power Supply:	Toroidal transformer, 2 separate power supplies 4EA (15k uf) capacitors
Hum & Noise:	101 dB below rated output (unweighted, 20kHz bandwidth)	Turn-On Delay:	3 sec., solid-state actuated
Input Sensitivity:	1.0V RMS for rated output (selectable) .775V, 1.0V, 1.5V	Power Requirements:	AC Mains- 100-240VAC 50/60Hz@15A/7.5A
Input Connectors:	1/4" phone jack (balanced) XLR (balanced)	Thermal Protection:	Thermal sensor activates channel shutdown if an overheating condition exists
Output Connect.:	5-way binding posts	DC Protection:	DC sensor activates channel shutdown if DC condition exists, Soft clip protection
Controls & Indicators:	(Front panel) AC mains power Breaker, power on LED, level controls, signal/clip LED's, (Rear panel) ground lift switch, stereo/bridged switches.	Heatsink and Cooling:	Convection cooling utilizing massive heatsink extrusions with fan assist.
		Construction:	14-gauge cold-rolled steel with 3/16" heavy aluminum front panel
		Dimensions:	Slimline 5 1/4" height, 19" standard rack mount width, 13" depth overall (less handles)
		Weight:	29 lbs. (13.18 kg)