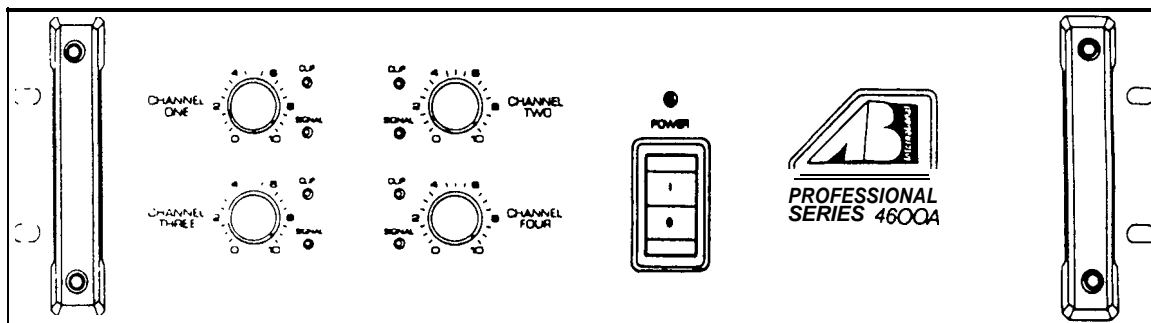




MODEL 4600A FOUR CHANNEL AMPLIFIER



The AB International Professional Series Model 4600A 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 4600A delivers 400 Watts into 8 Ohms, 600 Watts into 4 Ohms and 800 Watts into 2 Ohms all four channels driven from 20Hz to 20kHz at .1% distortion.

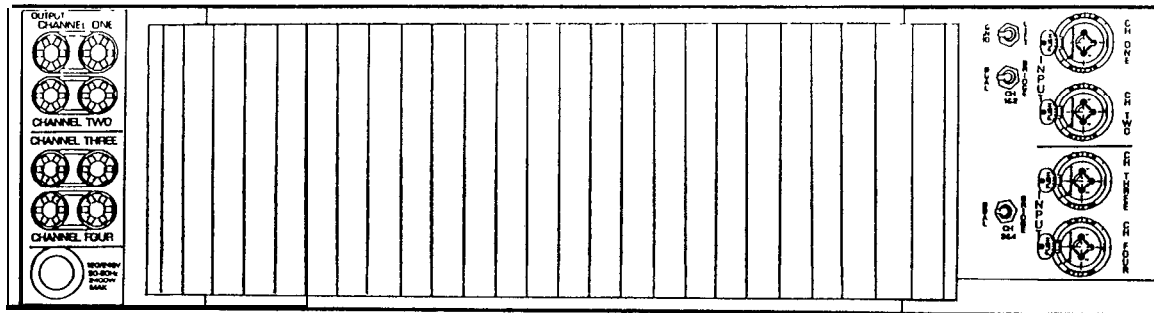
Model 4600A incorporates a three year Five Star protection plan featuring the following unprecedented circuitry. VI energy limiters are incorporated for short circuit protection. If an extreme low impedance exist, a current sensing circuit will reduce the output to prevent amplifier overdrive.

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 4600A operates from 100/240V 50-60Hz AC Mains and measures 5 1/4" high (three rack unit), 19" wide and 13" deep.

AB MODEL 4600A SPECIFICATIONS



Type:	Four channel amplifier	Damping Factor:	500: 1 at 1kHz
Continuous Power Output Per Channel 20Hz to 20KHz:	400w @ 8 Ohms 600w @ 4 Ohms 800w @ 2 Ohms 1200w @ 8 Ohm Bridged 1600w @ 4 Ohms Bridged 70v Operation (Call for specs.)	Slew Rate:	Closed-loop response greater than 40V per microsecond
Frequency Response:	Plus/minus 0.25dB 20-20kHz	Crosstalk:	-80dB
Distortion:	No more than 0.1 % THD or IM, 0.01 to rated output, 20Hz to 20kHz (typically 0.01%)	Gain:	34dB
Hum & Noise:	101 dB below rated output (unweighted, 20kHz bandwidth)	Mainframe Power Supply:	Toroidal transformer, 2 separate power supplies 4EA (15k uf) capacitors
Input Sensitivity:	1.0V RMS for rated output (selectable) .775V, 1.0V, 1.5V	Turn-On Delay:	3 sec., solid-state actuated
Input Connectors:	1/4" phone jack (balanced) XLR (balanced)	Power Requirements:	AC Mains- 1 00-240VAC 50/60Hz@15A/7.5A
Output Connect.:	S-way binding posts	Thermal Protection:	Thermal sensor activates channel shutdown if an over-heating condition exists
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.	DC Protection:	DC sensor activates channel shutdown if DC condition exists, Soft clip protection
		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:	341bs. (15.51kg)