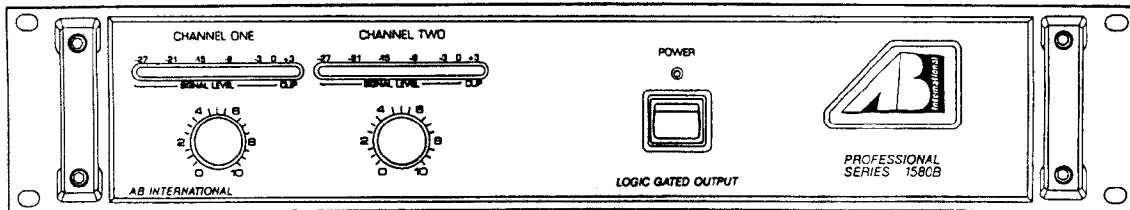




MODEL 1580B

PROFESSIONAL SERIES



The AB International Professional Series 1580B is a two channel stereo amplifier. This compact (two rack unit) instrument delivers 330 watts per channel into 8 Ohm, 550 watts per channel into 4 Ohm and 650 watts per channel into 2 Ohm from 20Hz-20kHz at 0.1% (0.01% Typical) distortion.

The 1580B features individual channel level controls, an 11 LED display with clip indication per channel, 1/4" jack and XLR inputs (Balanced / Un-Balanced), ground lift switch, input signal selector switch for either stereo operation, Parallel operation or bridging operation.

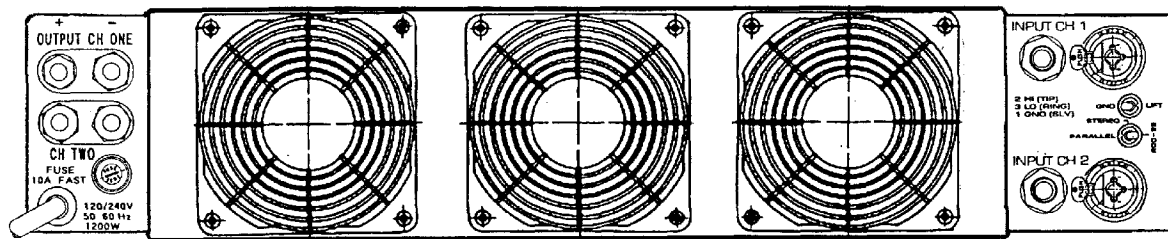
The 1580B employs only 20dB of negative feedback to reduce forward transfer distortion components to minimum levels. VI energy limiters are incorporated for short-circuit protection and thermal sensor prevents an over temperature condition.

Other features include three dual speed temperature actuated DC fans, "Soft Clip" protection circuitry that will prevent the amplifier from hard clipping. Three selectable input sensitivity settings allow for extra versatility and low ESR filter capacitors for extra filtering reliability.

The AB International Model 1580B has a three-year limited warranty with a fully modular construction for service accessibilities. This light amplifier only weights 29 lbs but still has professional durability with the chassis being of 14 gauge cold-rolled steel and the front panel made of 3/16" thick heavy aluminum.

The 1580B operates from 100-240V 50-60Hz AC mains and measures 3 1/2" high (two rack unit), 19" wide and 15" deep.

AB MODEL 1580B SPECIFICATIONS



Type:	Two channel amplifier	Slew Rate:	Closed-loop response greater than 40V per microsecond
Continuous Power Output Per Channel 20Hz to 20KHz:	330w into 8 Ohms 550w into 4 Ohms 650w into 2 Ohms	Crosstalk:	-80dB
Frequency Response:	1000w 8 ohms Bridged 1200w 4 ohms Bridged	Gain:	33dB
Distortion:	No more than 0.1% THD or IM 0.01 to rated output.	Mainframe Power Supply:	Toroidal transformer, 2ea (15,000 MFD) capacitors
Hum & Noise:	-110 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 @ 10A/5A
Input Connectors:	1/4" phone jack (balanced/un) 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
Control & Indicators:	(Front panel) AC mains power switch, power on LED, level controls, dual 11 LED vu displays, (Rear panel) ground lift switch, stereo/bridged/parallel switch	Heatsink and Cooling:	Dual speed fans providing extra power handling utilizing massive heat sink extrusions
Damping Factor:	500:1 at 1kHz	Construction:	14-gauge cold-rolled steel with 3/16" heavy aluminum front panel
		Dimensions:	Slim line 3 1/2" height, 19" standard rack mount width, 15" depth overall (less handles)
		Weight:	29 lbs. (13.21 kg)
		Shipping Weight:	33 lbs (14.85 kg)