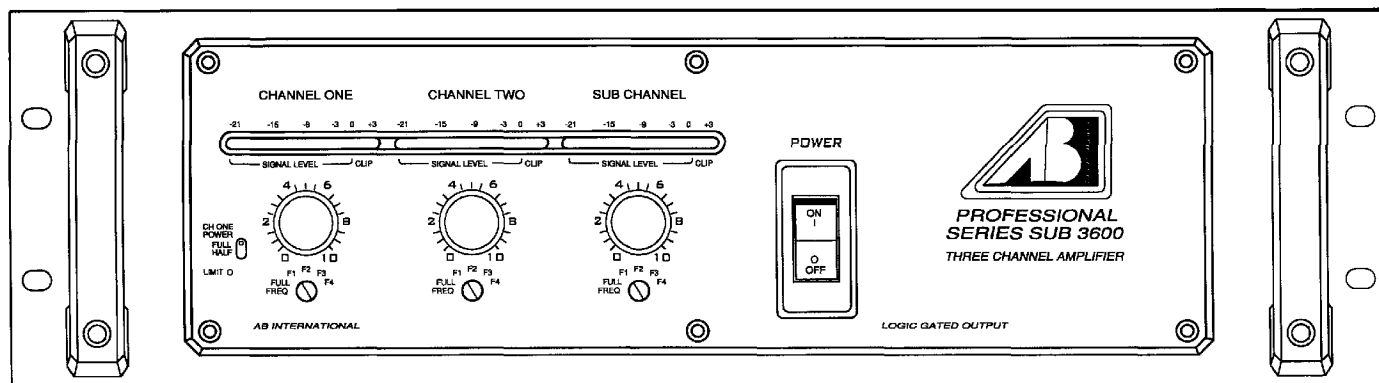




MODEL SUB3600

THREE CHANNEL

AMPLIFIER



The AB International Professional Series SUB3600 is a three channel full featured Amplifier. This compact instrument is equipped with three independent balanced inputs, detent level controls, 9 LED vu output power display with Soft Clip indication, dual high CFM fans with temperature activated speed control, ground lift, selectable input sensitivity, Channel One and Two bridging and internal crossover with each channel having up to four frequency selections. Each channel has individual balanced crossover outputs for feeding the signal to other amplifiers.

The SUB3600 is rated in power from 20Hz to 20kHz with Channel One and Two delivering 500w into 8 ohms and 800w into 4 ohms. Channel Three (Sub) supplies 1500w into 4 ohms and 2000w into 2 ohms.

The SUB3600 crossover is front panel selectable with security capability and features 24dB per octave Linkwitz Riley filters. Standard crossover frequencies include 80Hz, 100Hz, 1.6kHz and 800Hz - 5kHz (tri-amping). The internal crossover card is easily removable and custom frequencies are available upon request.

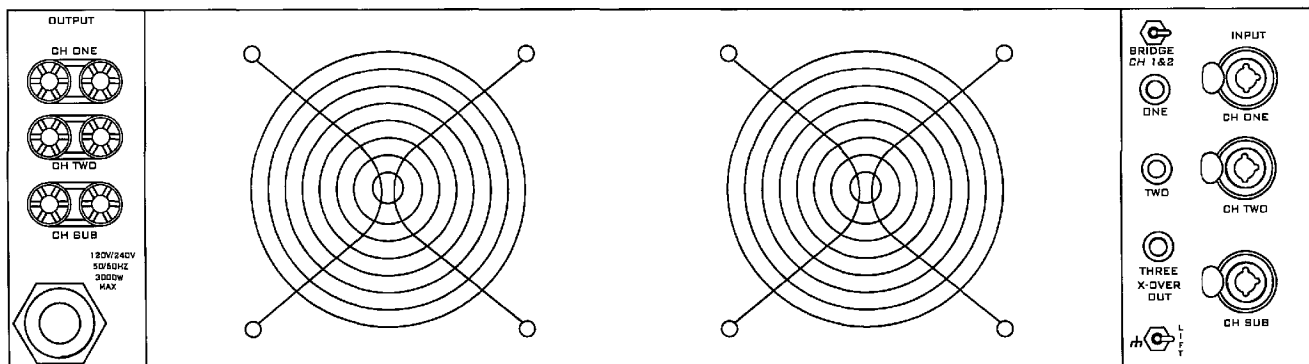
The SUB3600 can be used in many applications, the most common being a two way configuration using subwoofers and passive full range speakers crossed over at 80Hz. Other uses are tri-amping, bi-amping with an extra channel for monitors, three-channel operation with an external speaker processor or as a straight three channel full range amplifier. All of these options can be accomplished through the System Parameter Controls.

The SUB3600 incorporates many extensive protection circuits such as, Soft Clip protection circuitry, load sensing current limiting, short circuit protection, delay turn on with in-rush current eliminator, DC fault shutdown and individual channel thermal protection.

With all this protection AB International is able to offer a full three-year warranty.

The AB International Model SUB3600 features the "Logic Operated Gated Output" supply system. Dual tri-level supplies that gate the operating voltages around the output waveform power high current, fully complimentary output stages. This is used to control and eliminate unused and inefficient headroom.

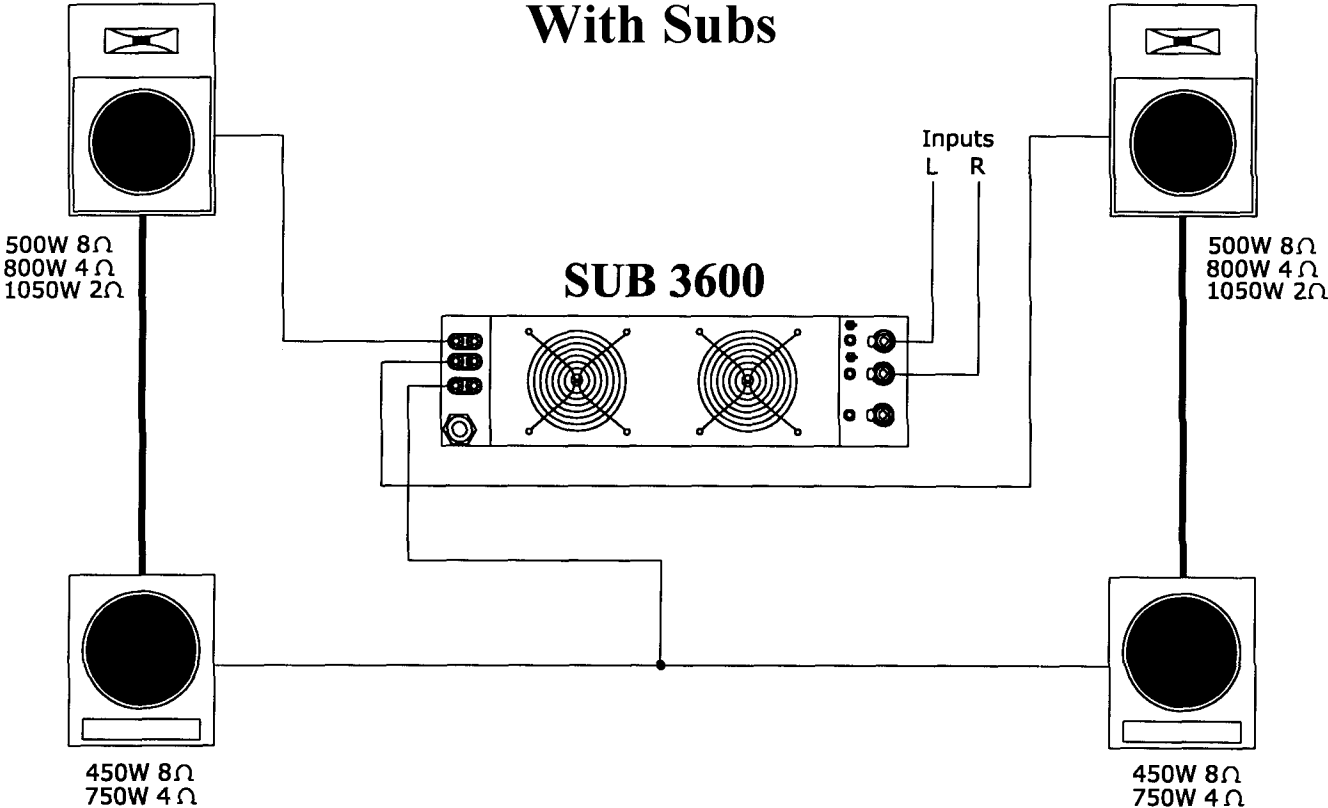
AB MODEL SUB3600 SPECIFICATIONS



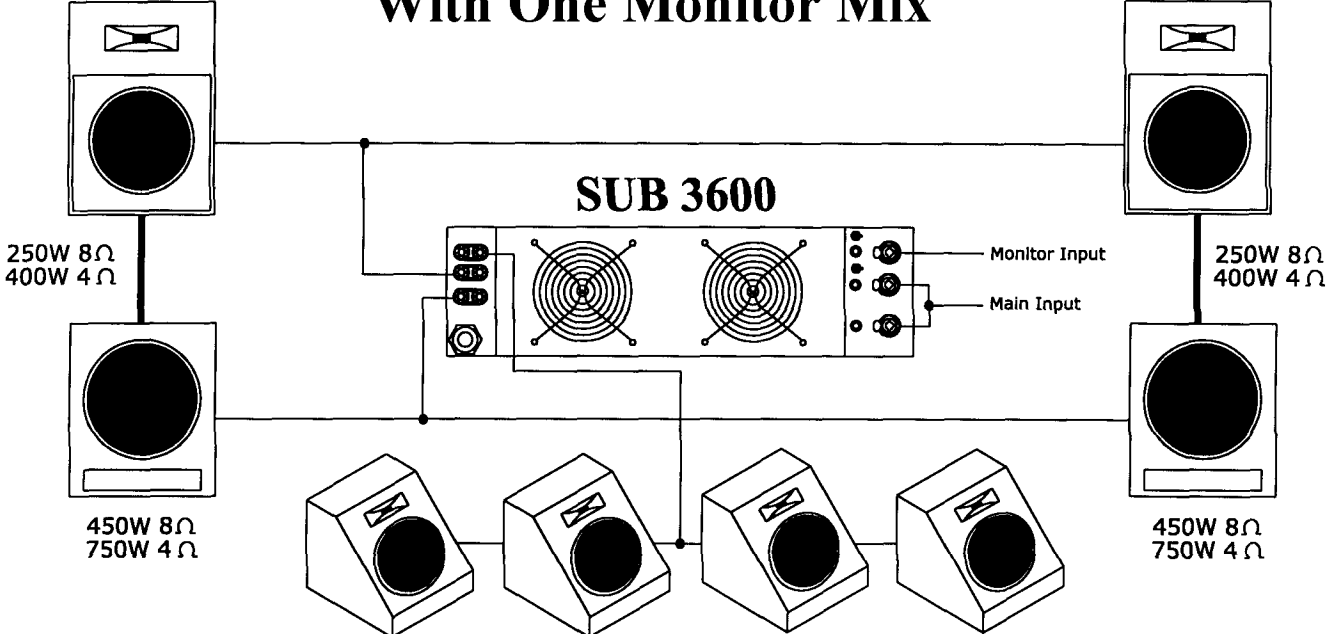
Type:	Three channel amplifier with a selectable crossover	Damping Factor:	1000:1 at 1kHz
Continuous Power Output Per Channel 20Hz to 20Khz:	500w into 8 Ohms Ch 1 & 2 800w into 4 Ohms Ch 1 & 2 1050w into 2 Ohms Ch 1 & 2 900w 8 ohms Bridged Ch 1 & 2 1500w 4 ohms Bridged Ch 1 & 2 900w into 8 ohms Ch 3 (Sub) 1500w into 4 ohms Ch 3(Sub) 2000w into 2 ohms Ch 3(Sub)	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-20kHz (Typically 0.01%)	Gain:	33dB Ch 1 & 2, 36dB Ch 3
Hum & Noise:	0.02 101 dB below rated output (unweighted, 20kHz bandwidth)	Mainframe Power Supply:	Toroidal transformer 4ea (20,000 MFD), 2ea (15,000 MFD) capacitors
Input Sensitivity:	1.0V RMS for rated output (selectable) .775V, 1.0V, 1.5V 1/4" phone jack (balanced) XLR (balanced)	Turn-On Delay:	3 sec., solid-state actuated
Input Connectors:	5-way binding posts (Speakon's optional)	Power Requirements:	AC Mains- 100-240VAC 50/60Hz@32A/16A
Output Connect:	(Front panel) AC mains power Breaker, power on LED, level controls, 9 LED vu displays, frequency selector switches, (Rear panel) ground lift switch, stereo/bridged switch Ch 1 & 2, crossover outputs 1/4" TRS (balanced).	Thermal Protection:	Thermal sensor activates channel shutdown if overheating condition exists
Controls & Indicators:		DC Protection:	DC sensor activates channel shutdown if DC condition exists, Soft clip protection
		Heatsink and Cooling:	Dual speed fans providing extra power handling utilizing massive heatsink extrusions 14-gauge cold-rolled steel with
		Construction:	1/4" heavy aluminum front panel
		Dimensions:	Slim line 5 1/4" height, 19" standard rack mount width, 16 1/2" depth overall (less handles)
		Weight:	70 lbs (31.78 kg)
		Shipping Weight:	75 lbs (34.05 kg)

SUB 3600 APPLICATIONS

Two Way Stereo With Subs



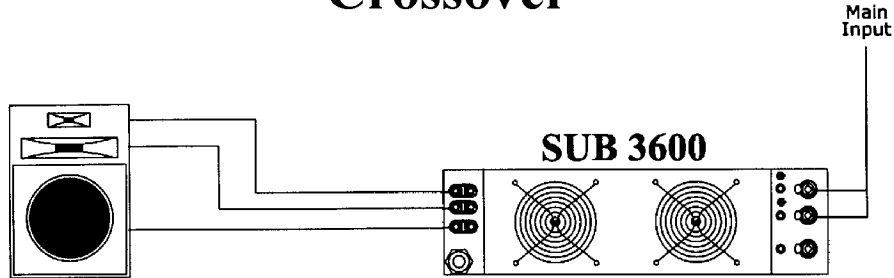
Two Way Mono With One Monitor Mix



- 1 - Monitor 8Ω 500W 8Ω
- 2 - Monitors 4Ω 400W 4Ω Each
- 4 - Monitors 2Ω 400W 4Ω Each

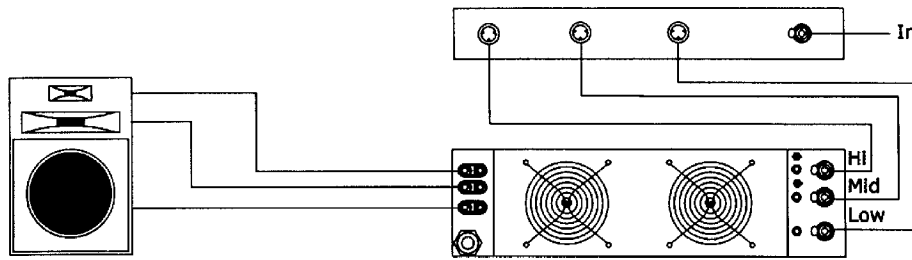
SUB3600 APPLICATIONS

Amp Mode Using Internal Crossover



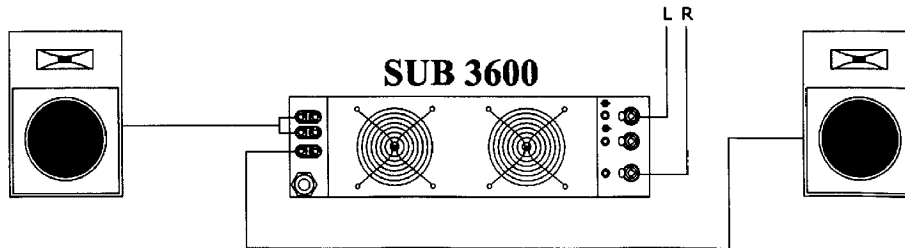
HI - 16 OHMS - 125 WATTS - USING ½ POWER LIMITER
 MID - 8 OHMS - 500 WATTS
 LOW - 8 OHM - 900 WATTS

Tri Amp Mode Using External Speaker Processor



HI - 16 OHMS - 125 WATTS - USING ½ POWER LIMITER
 MID - 8 OHMS - 500 WATTS
 LOW - 4 OHMS - 1500 WATTS

Channel 1&2 Bridged Two Channel Amp



900 W 8 ohms Bridged
 1500 W 4 ohms Bridged

900 W 8 ohms
 1500 W 4 ohms
 2000 W 2 ohms