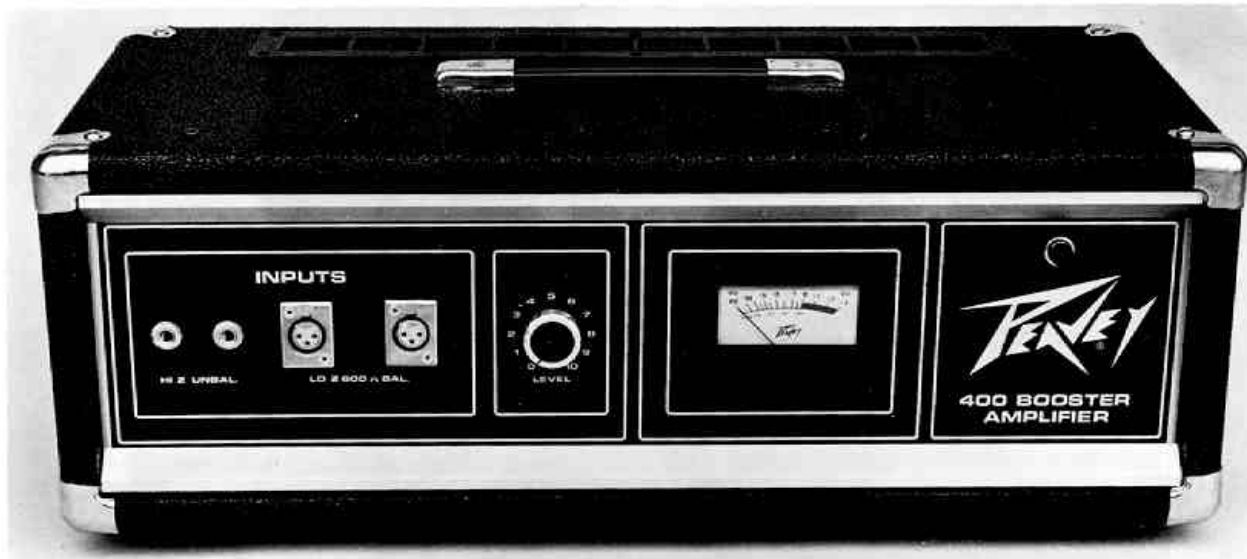


# 400 Booster



The new 400 Booster Power Amplifier uses eight high voltage 30 amp power devices to reliably deliver 200 watts RMS into 4 ohms with less than 0.1% THD from 20 Hz to 20 kHz. The 400 Booster can also deliver 310 watts RMS into a 2 ohm load just as reliably. The output devices are mounted on a massive aluminum heatsink for continuous duty. Additional thermal protection is afforded by our thermal compen-

sation circuit designed for instantaneous Voltage Current limiting which automatically adjusts the bias on the output devices as temperature changes, with no thumps or cutout. There is also an integral thermal cutout switch to prevent damage to the amplifier in the event that the output is shorted.

The input circuit of the 400 Booster provides paralleled inputs for both balanced and unbalanced

inputs and allows the bridging of several units together for more power, or for use with electronic crossovers. The wide dynamic range of the 400 Booster allows use of a very wide range of input voltages, including those of speaker output lines. The large VU meter is an accurate method for balancing the system or monitoring the amplifier's output signal.

## SPECS

Frequency response:	$\pm 1$ dB 20 Hz to 20 kHz @ 1 W, 4 ohms
Power @ clipping:	Typically: 1% THD, 1 kHz, 120 VAC line 125 W RMS into 8 ohms 210 W RMS into 4 ohms 310 W RMS into 2 ohms
Rated power:	200 W RMS @ 0.1% THD into 4 ohms
Intermodulation distortion:	Less than 0.2% from 0.5 W to 200 W, typically 0.1%
Total harmonic distortion:	Less than 0.1% from 0.5 W to 200 W 20 Hz to 10 kHz, typically .06%
Hum & noise:	90 dB below 200 W RMS output, 20 Hz to 20 kHz
Slew rate:	5 V per micro-second
Load impedance:	4 ohms or greater (stable into any load configuration)
Damping factor:	Greater than 50 (1 kHz, 4 ohms)
Input sensitivity:	0.8 V RMS for 200 W into 4 ohms
Input impedance:	15 K ohms (input overload protected)
Load protection:	Short, mismatch, open-circuit proof. Voltage/current limiting instantaneous with no thumps or cut-off

