

# PowerMaster™ Power Amplifiers with 8-Channel Total Capability™



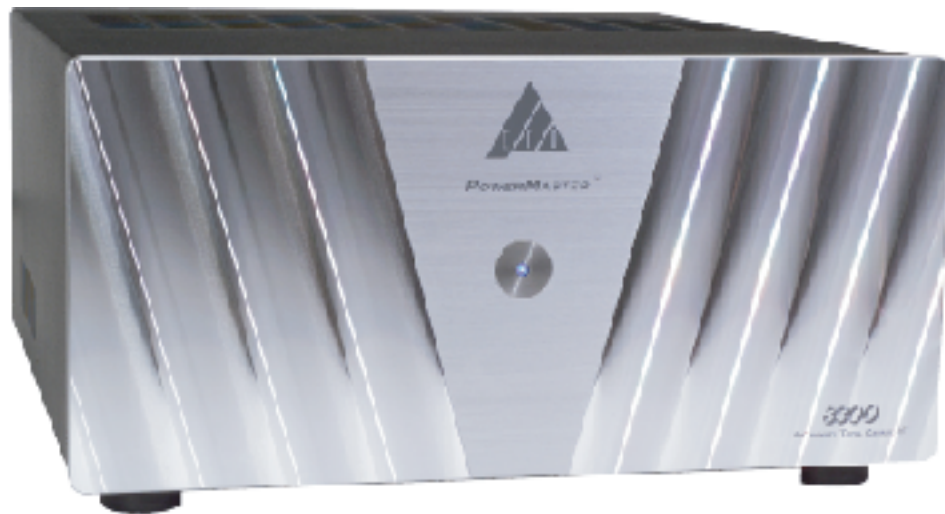
## PowerMaster 6200 Power Amplifier features:

- 6 Channels at 200 watts per channel for effortless signal transfer
- 1200 VA PLITRON™ Transformer
- 0.5 Million µf of capacitance
- Dynamic Power Steering™ supplies power on demand for all channels
- Aero-Fin™ heatsinks exhibit higher thermal efficiency for increased heat capacity
- Onboard parameter management computer ensures circuitry maintains optimum operating performance
- RCA (single-ended) and XLR (balanced) inputs
- Intelligent remote on/off
- Front panel diagnostic indicator LED
- Gold-plated RCA and XLR input connectors and terminals

## PowerMaster 8300 Power Amplifier features:

All Features as above plus:

- 8 channels at 300 watts per channel
- 2000 VA PLITRON™ Transformer
- Thermal control via silent low-pressure Airflow system



**E**AD's PowerMaster amplifiers feature massive power outputs and ultra low distortion. With this level of power, control and clarity, be prepared for the most involving movie soundtracks you've ever experienced. Every detail is palpable and lifelike, clearly heard above the vanishingly low noise floor.

Every PowerMaster utilizes an onboard parameter management computer which senses irregularities in any input or output circuits, activating ultra-fast cutoff switches. PowerMaster's low inter-channel cross-talk eliminates the need for separate power supplies and allows for a virtually unlimited reservoir of power that can be tapped by any individual channel or any combination of channels.

The dissipation of heat is provided by a breakthrough technology called Aero-Fin™. Aero-Fin is a unique design that provides more efficient operation with less than half the weight and more than twice the heat dissipation of typical designs. AccuLinear™, our proprietary analog design prevents distortion while delivering full output across the audio spectrum to guarantee linear performance with no clipping or transient intermodulation distortion.

Available in two configurations, PowerMaster 6200 (6-channel) and 8300 (8-Channel).



The onboard parameter management computer controls a tremendous 2,000 watt power supply in the PowerMaster 8300.

# PowerMaster™ Multi-Channel Power Amplifiers

## PowerMaster 6200 Power Amplifier Performance Features:

- AccuLinear™ design: PowerMaster's AccuLinear analog design ensures that input circuitry is never driven beyond its linear operating range even with full amplitude signals at the highest possible audio frequencies
- Dynamic Power Steering: PowerMaster has naturally low inter-channel cross talk, and thus eliminates the need for separate power supplies. This provides a nearly unlimited reservoir of power, which can be tapped by any or all channels on an as-needed basis.
- Ultra-high speed components and ultra-fast feedback ensure true, linear, distortion-free performance well beyond the audio bandwidth
- Intelligent remote ON/OFF uses standard, 12 Volt trigger signal (connects to TheaterMaster)
- Switchable gain
- Protection circuitry safeguards against: overvoltage, undervoltage, temperature overload, short-circuit and overcurrent conditions
- Diagnostic readout via front-panel LED
- Ultra-premium, gold-plated RCA input connectors and speaker terminals
- Power-supply optimized for all international voltage standards

## PowerMaster 8300 Power Amplifier Additional Performance Features:

- 8 channels/300 watts per channel
- 2000 VA PLITRON™ Low Noise Technology™ transformer
- Thermal control via a silent low-pressure Airflow system

## PowerMaster Specifications:

- Output Power (per channel)
  - For PowerMaster 6200:
    - 8 ohm load: 200 Watts rms
    - 4 ohm load: 300 Watts rms
  - For PowerMaster 8300:
    - 8 ohm load: 300 Watts rms
    - 4 ohm load: 500 Watts rms
- Frequency Response: 5 Hz to 20 kHz  $\pm$  0.2 dB
- Full Power Bandwidth: > 30 kHz
- CMRR @ 50/60 Hz (balanced): 90 dB
- Damping Factor: 60 (8 ohms)
- Signal to Noise Ratio: 110 dB
- THD+Noise: < 0.03%
- Inter-Channel Crosstalk: 100 dB
- Gain:
  - Low - 26 dB gain
  - High - 32 dB gain
- Input Sensitivity:
  - 26 dB gain - 2.8 Volts rms
  - 32 dB gain - 1.4 Volts rms
- Input Impedance:
  - Single Ended - 25 k ohms
  - Balanced - 25 k ohms + 25 k ohms
- Power Consumption:
  - Full Power - 2300 Watts (8300 only)
  - Idle - 120 Watts (8300 only)
  - Standby - 5 Watts
- Physical Dimensions: 8 x 17 x 19.5
- Net Weight:
  - PowerMaster 6200: 90 lbs.
  - PowerMaster 8300: 102 lbs.
- Input Connectors: RCA, XLR
- AC Line Voltage: 100/120/220/240 VAC (50/60 Hz)

