

AS-2631 DOLBY DIGITAL + DTS PRE-AMP & AA-2580 POWER AMPLIFIER



Designed to address the myriad performance and compatibility challenges of today's most demanding home entertainment installations, the Proton AS-2631 Preamplifier/Processor and AA-2580 Power Amplifier work in concert to offer a uniquely flexible and reliable audio management system.

The Proton AS-2631 preamplifier offers users a robust system capable of meeting today's -- and tomorrow's -- evolving platform standards. Dolby Digital, Pro Logic and dts Processing circuitry gracefully regulate signal decoding from all your favorite source material, while an advanced digital sound processor with built-in six-channel crossover manages six independent audio channels (left, right, center, left surround, right surround, independent subwoofer) with rigorous accuracy.

The preamplifier's tuning schematic and speaker modulation controls modulate speaker tone and timbre to ensure smooth, even sound performance. And, because all of the unit's functions may be adjusted by remote control and monitored with an on-screen display, it's never been easier to gauge and balance multi-channel sound single-handedly.

Used in tandem with the AS-2631, the Proton AA-2580 five-channel power amplifier offers sophisticated home theater audiences a level of engineering, performance and craftsmanship previously obtainable only in professional equipment.

The Proton AA-2580 is a five-mono amplifier design with identical circuitry, components and power output for each channel. The result is 80 watts of power into all five channels, eliminating interference between channels and offering even greater to low-impedance speakers. The AA-2580 is ideal for driving the complex load characteristic of many digital surround systems.

In addition, convenient connectors make it easy to install the AA-2580, yielding a top-quality 5.1-channel surround system. Proton's unique thermal auto-sensing design and built-in heat protection circuitry ensure that only the music is scorching.

AS-2631 Features

2000 CES Award Winner

- Remote Controllable with On-Screen Display
- Dolby Digital, Pro Logic, and dts Processing Circuitry
- 80 dB detent master volume in 1 dB steps
- Six-channel level controls +/- 10 dB range
- Center and rear channel adjustable delay
- Test mode and speaker size setting
- Speaker configurable
- Dynamic range on/off for late night theater
- Crossover frequency for the subwoofer outputs is 100 Hz fixed
- Inputs: four A/V, three S-video, two coax and one optical
- Outputs: two A/V, two S-video and two unswitched AC.
- Six channel audio outputs
- three +5-volt on triggers
- Bypass and present receiver compatible

AA-2580 Features

- 80 watts per channel at 8 ohms
- 100 watts per channel at 6 ohms
- 120 watts per channel at 4 ohms
- High current output
- Ultra-quiet thermal sensing two-speed cooling fan
- Very low THD at 0.03%
- 20 Hz - 20 kHz < +/- 0.5 dB frequency response
- 100 dB signal to noise ratio
- 60 dB channel separation at 10 kHz
- 1 Vrms input sensitivity
- DC drift, thermal and short protection
- +5 volt remote power on/off
- Gold-plated RCA inputs
- Five-way gold-plated speaker binding posts

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