

MODEL 535 FEATURES

MACHINED ALUMINUM CHASSIS

Precision-machined chassis milled from a solid block of aircraft grade 6061-T6 aluminum, provides exceptional thermal heat transfer/dissipation, RFI/EMI shielding, and resonance control.

CERAMIC INPUT CIRCUIT BOARD

Input circuitry, comprised of a precision instrumentation amplifier, is implemented on mil-spec, low dielectric constant, Rogers™ ultra-rigid ceramic circuit board substrate for extremely low energy retention and absorption.

BALANCED TOPOLOGY

Inherent cancellation effects of balance topology ensures greatly reduced distortion and noise under dynamic signal conditions.

HIGH-PRECISION SURFACE MOUNT COMPONENTS

Extensive use of Lead (pb)-free, low temperature coefficient, active and passive surface-mount components results in significantly smaller loop areas, reduced circuit capacitance and inductance and introduces less noise than conventional leaded components.

THIN FILM RESISTORS

All resistors are low noise, 0.1% thin-film type for extremely low thermal noise which complement the low-noise characteristics of the active circuitry.

TEFLON COATED WIRES

All signal carrying input and output wires are silver with teflon insulation for low dielectric energy storage, further ensuring that each audio note reproduced naturally decays into the deeper silence of the music.

TRANSFORMER-COUPLING AND ISOLATION

Custom designed Input Transformers, wound with Cardas “six nines” copper wire, provide universal component compatibility and virtually eliminate ground loop noise and RFI/EMI. Transformer coupling ensures identical amplifier overall gain when using unbalanced input adapters.

ACTIVE POWER FACTOR CORRECTION

Power Factor Correction (PFC) in the power supply reduces AC line harmonic noise pollution and increases AC line power utilization to 99%

HIGH EFFICIENCY SWITCH-MODE POWER SUPPLY

Highly efficient, compact, light weight switch-mode power supply provides optimum voltage regulation for all circuits and operating conditions and allows for a quiet operation over a wide range of AC mains power sources. Power supply capacitance has been increased 100% to improve overall performance under demanding operating conditions.

OUTPUT BINDING POSTS

Three CE approved speaker output terminals require no tools for secure, low resistance connections.

FLEXIBLE 15 AMP AC POWER

15 amp AC power inlet accepts of wide variety of after market high-performance power cables.

FRONT PANEL STANDBY SWITCH

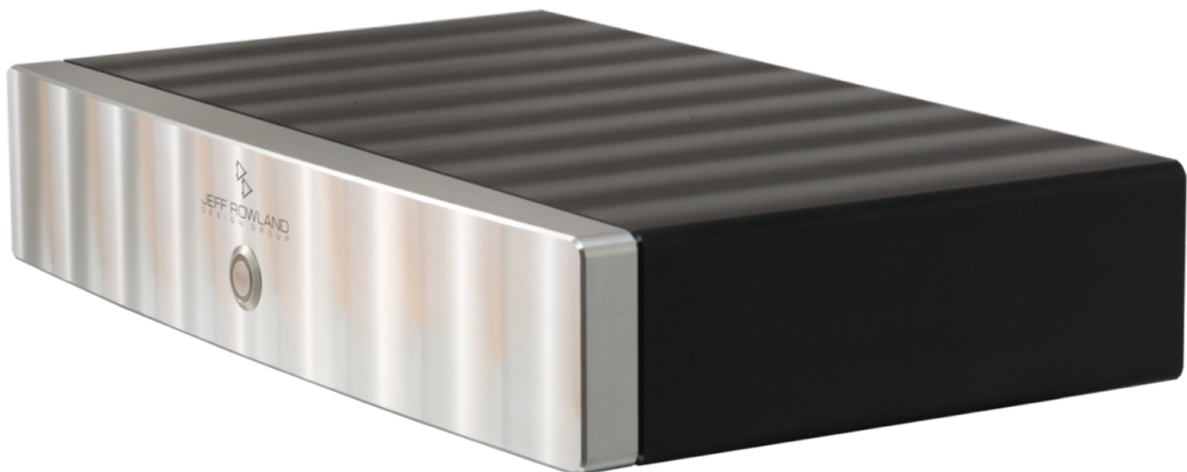
Illuminated front panel push-button switches the amplifier into standby mode (<0.3 watt consumption).

REAR PANEL REMOTE JACK

12V 3.5 mm jack on rear panel permits amplifier power on/standby switching in remote and home theater applications.

BRIDGING CAPABILITY

Rear panel "bridging" switch for easy conversion to a mono bridge amplifier. Separate mono input and output connectors allow for an easy and "fool proof" mono bridging configuration. Bridged amplifier gain is automatically maintained at the same level as stereo amplifier gain for easy implementation into multi-amplifier systems.



MODEL 535 SPECIFICATIONS

Maximum Output Power	250 watts @ 8 ohms / 500 watts @ 4 ohms
	900 watts @ 8 ohms BTL (bridge-tied load)
Frequency Response	5 Hz – 70 kHz, -3 dB
Output Noise	40 Microvolts A weighted
Input Impedance	40k ohms
THD + Noise	< 0.05%, 20 Hz -20 kHz
Damping Factor	> 1000 @ 1 kHz
Overall Gain / Bal. or Unbal.	26 dB Stereo/Bridged
Peak Output Current	30 Amps
Dynamic Range	120 dB (A) /124 dB (A) Bridged
Inputs	1 pair Balanced Stereo/ 1 input Balanced Mono
Outputs	1 pair binding posts Stereo/ 1 output Mono
Mains Input Voltage	85-265 VAC
Amplifier Weight	22 lbs/ 9.79 kgs
Amplifier Dimensions (h/w/d)	3.4" X 15.5" X 11.0" / 86 X 394 X 279 (H x W x D)
IMD (CCIF)	0.0015%
IMD (TIM)	0.0035%