



ROKSAN

Platinum



A hi-fi system begins with the source and ends with the loudspeakers.

>> Any information lost at the source can never be recovered by a subsequent component in the system.

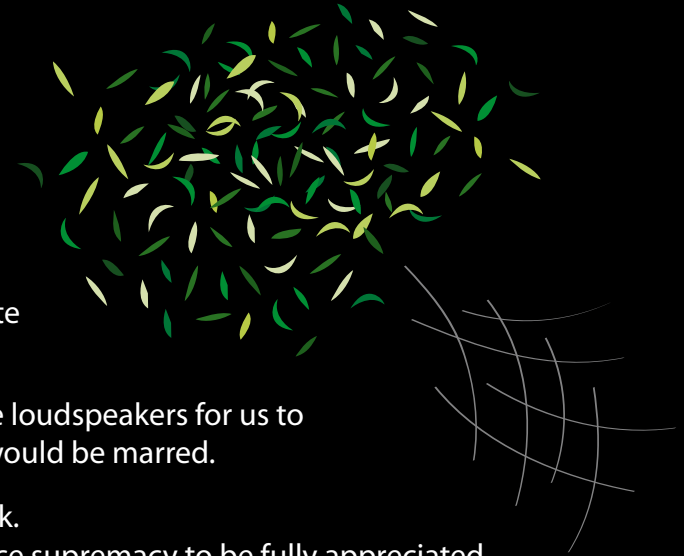
>> No matter how good the amplification, if it can not control and 'dictate' to the loudspeaker to do exactly what it is told, we would not be able to appreciate the quality of the amplifier or the source.

>> If the amplified signal is not 'translated' authentically to sound waves by the loudspeakers for us to hear, the musical experience that the whole system is designed to reproduce would be marred.

In essence, the hi-fi system is like a chain and it's only as good as its weakest link.

To enhance the proximity of home hi-fi to live music we have to allow the source supremacy to be fully appreciated.

The Platinum series is designed to address often ignored key design issues that are directly responsible for performance of the whole system.



The Platinum Series Pre and Power Amplifiers

are designed to control the loudspeakers in order to allow the source supremacy to be fully appreciated. This is the key for enhancing the proximity of home hi-fi to live music. A dilemma often ignored by most amplification systems at this price and service level.

For ROKSAN it was not purely a question of providing more power for the speakers, but to provide clean power with absolute control over the loudspeakers strictly dictating the precise information from the source to the output and ultimately the listener.



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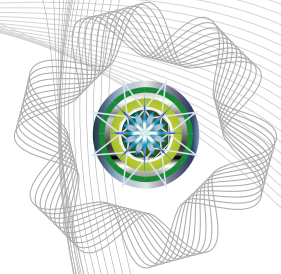
PR15B Precision Preamplifier

Superb quality components for excellent high-end performance

The Platinum Precision Preamplifier is designed utilising super quality components to provide a wide bandwidth, low distortion and high dynamic range for a super high-end performance.

The two sets of high efficiency ultra fast rectification and main smoothing reservoir capacitors feed the eight low impedance, low noise regulators for the amplification circuits. Fully symmetrical complimentary circuit design matched with highest quality components; ensure true reproduction of the music.

The performance of this preamplifier is super high-end with excellent attack, speed, clarity and musicality. Deeper, tighter and fully controlled bass, open mid range, smooth detailed top end with precision timing and enhanced sound staging are hallmarks of this world class preamplifier.



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PR15B Precision Preamplifier

Superb quality components for excellent high-end performance

- This pre amplifier is designed as a dual mono layout with each channel functioning analogous to the other. Each stage of amplification has to work without affecting the others, providing a wide bandwidth with full control. To this end the following design features have been incorporated into this preamplifier.
- A Symmetrical Complimentary circuit with individual, fully regulated power rails for all different sections of the preamplifier.
- 8 Low impedance ultra low noise regulated power rails supply the different circuits of the preamplifier to ensure each and every stage of the amplification is unaffected by the others.
- 2 further regulated power rails are dedicated to the Balanced input/output and Tape buffer section for optimum performance and isolation.
- Control and logic circuits are also isolated by 2 independent regulated power rails eliminating any interference.
- A high current 2A regulator is dedicated to the logic and signal switching relays.
- A high quality Mains inlet filter minimizes any mains related RF interference.
- Split Power Supply design (x2 High efficiency rectification and smoothing capacitors).
- 350VA ultra low noise Internally Shielded, low leakage Toroidal transformer provides clean power with ample head room.
- External Transformer Shield ensures minimal noise interference and reduces residual hum to almost nothing.
- A second Transformer for Logic and switching circuits eliminates any unwanted interference with the Audio circuit.
- Custom made vibration isolating feet.

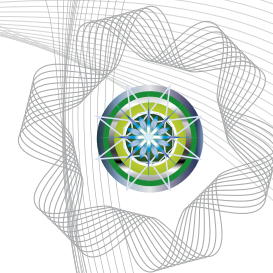


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Operational features

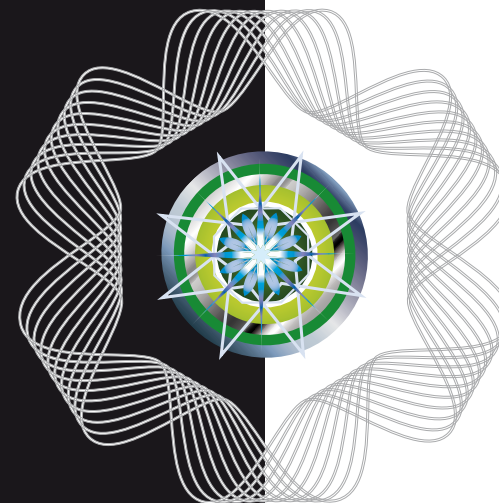
- Power supply failure detection for safe and consistent operation.
- Pre power-up diagnostic check.
- Gold Plated RCA or Gold Plated XLR Input and Output connectors.
- Five line inputs plus tape input and output.
- 2 Balanced - XLR and 2 RCA Preamp outputs.
- CD & LINE1 inputs selectable and switchable between RCA, Mute or Balanced - XLR.
- VIDEO or LINE1 input selectable and switchable as By-pass or Normal operation.
- Manual input selector.
- Tape monitor function.
- Manual standby function.
- Input and status indicator.
- Motorised volume control with LED position indicator.
- -20dB mute function to reduce output level temporarily by 20dB.
- High quality, fully buffered Tape Output for perfect tape recordings.
- Full functional System remote control (with Direct Access Inputs).



PR15B Precision Preamplifier

Specification

Line Inputs	5 RCA plus Tape CD & LINE1 inputs switchable to Balanced VIDEO & LINE1 inputs selectable for By-passed
Input Impedance	47 k Ω
Line Outputs	Tape (x2 RCA), Pre Out (x2 RCA & x2 XLR Balanced)
Power Supply	350VA Ultra Low Noise Shielded Toroidal Transformer; additional Toroidal Transformer for Logic & Relay Circuits
Frequency Response	12 Regulated Supply Rails -3dB <0.5Hz – 110kHz
Gain	9.3dB Preamplifier
Harmonic Distortion	<0.0015% 1kHz, <0.009% 20kHz, <0.015% 30kHz
Noise	20 – 20kHz A-weighted <-95dB
Noise	1kHz A-weighted <-105dB
UNWEIGHTED	
Hum & Noise	20 – 20kHz <-90dB
Power Source	100V – 120V 50Hz / 60Hz 220V – 240V 50Hz / 60Hz (via mains inlet filter)
Power Consumption	< 40 W
Dimension	432 x 390 x 80 (W x D x H) mm 432 x 390 x 95 (including feet)
Weight	15Kg



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All specifications are liable to change without notice. E & OE



ST1308 Stereo Power Amplifier

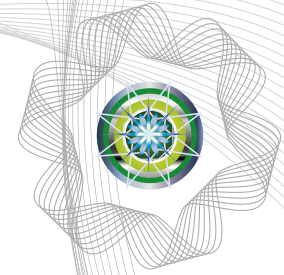
True musical finesse at higher power levels

The Platinum Stereo Power Amplifier simultaneously delivers a deeper, tighter wholly controlled bass with a realistic open mid range and detailed, extended top end.

Fully symmetrical, complimentary circuit design and use of superior quality components throughout ensure optimum amplification of the signal. A substantial, quadruple power supply design and ultra low output impedance with constant power response allow this amplifier to deliver its full dynamic potential into almost any loudspeaker presenting a wide bandwidth and grip with negligible distortion.

There are as many as 4 Toroidal transformers to provide optimum power delivery with full isolation between the main amplifier circuit and the input control, logic circuit and signal switching relay power.

Precision timing and enhanced sound staging are hallmarks of this world class power amplifier.



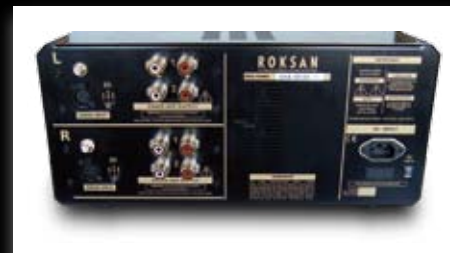
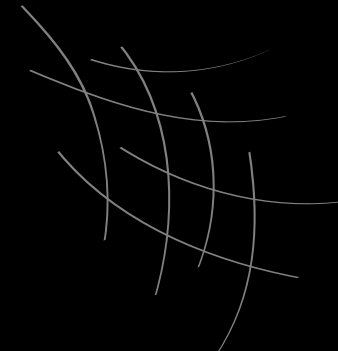
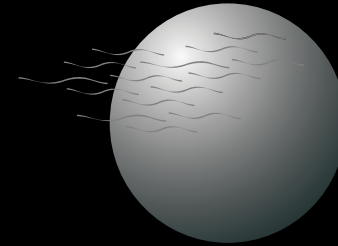
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ST1308 Stereo Power Amplifier

True musical finesse at higher power levels

- This design benefits from a Split power supply utilising 4 sets of high speed, high efficiency bridge rectifier diodes and 4 sets of main reservoir smoothing capacitors. This ensures that the individual demands from different stages of the amplifier are met fully and independently.
- Each channel's Input relay and Balanced stage is powered by a separate power supply for ultimate isolation from any interference caused by other circuits in the amplifier.
- The Left and Right channel inputs are selectable and switchable between Gold Plated RCA, Mute or Balanced- XLR for maximum flexibility.
- To protect the amplifier without affecting performance, the dedicated output protection circuit utilises a high performance, high current relay.
- Auto sensing standby function has been added for practical functionality, effortless use and added protection.
- A 100VA low noise Toroidal transformer with two separate secondary windings is dedicated to each channel's balanced input and control circuit.



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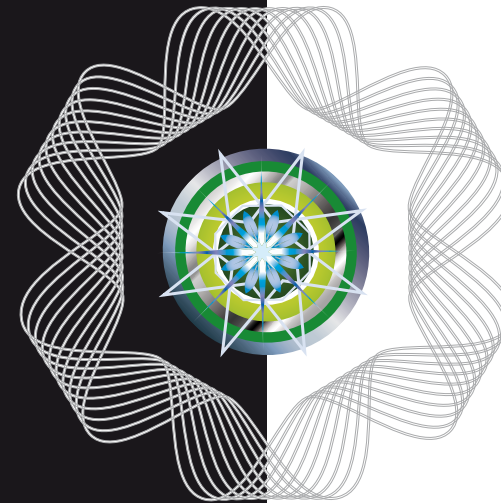
- Each channel's balanced input and input relay switching has its own dedicated individual ultra-fast rectifier/smoothing capacitor power supply section.
- These power supply sections are powered by a separate 100VA low noise Toroidal transformer to eliminate any interference with the other circuits of the amplifier.
- Likewise the logic circuit for each channel has the luxury of a fully isolated and regulated power supply to eliminate any interference with the audio circuits.
- A Power Supply failure detection logic has been designed into the Pre power-up diagnostic check to ensure consistency and reliability.
- Each channel is provided with 2 sets of Gold Plated WBT Nextgen speaker terminal/ binding posts to enhance contact and facilitate Bi-wiring.
- The amplifier is fitted with a high quality 10A mains inlet filter for optimum elimination of mains related RF interference.
- Silver plated, high purity copper wire is used throughout to preserve the input signal.



ST1308 Stereo Power Amplifier

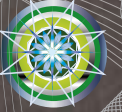
Specification

Inputs	L & R (Switchable RCA, MUTE, XLR Balanced)
Input Impedance	38 k Ω
Input Sensitivity	700mV RMS
Power Outputs	L & R Loudspeaker Binding Posts x2/Channel
Power Supply	1kVA Ultra Low Noise Toroidal Transformer A further 3 Toroidal Transformers for Logic, Relay and Balanced Inputs
Current Output	>80 Amps Peak to Peak
Output Power	>130 Watts, into 8 Ω >260 Watts, into 4 Ω >420 Watts, into 2 Ω
Damping Factor	>400 (8 Ω) Up to 30kHz
Frequency Response	-3dB, <2Hz – >150kHz
Gain	30.7dB
Harmonic Distortion	<0.001% 1kHz, <0.008% 20kHz, 10W - 8 Ω <0.002% 1kHz, <0.02% 20kHz, 100W - 8 Ω
Signal to Noise Ratio	>116dB (ref. 100W - 8 Ω)
Power Source	100V – 120V 50Hz / 60Hz 220V – 240V 50Hz / 60Hz (via 10A Mains inlet filter)
Power Consumption	< 1300 W
Dimension	432 x 390 x 190 (W x D x H) mm 432 x 390 x 210 (including feet)
Weight	30Kg



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MODE

CD

TUNER

VIDEO

LINE 1

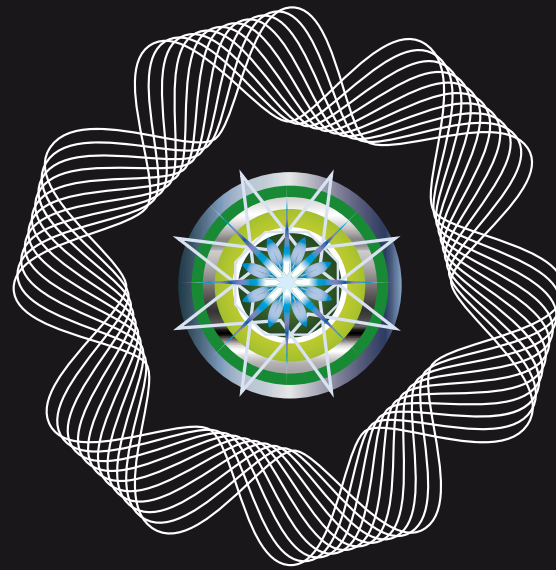
LINE 2

TAPE

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