

ALCHEMIST



NEXUS

# RC

## APD43A NEXUS INTEGRATED

Not to be confused with ordinary integrated amplifiers, the APD43A is a truly high end product.

The APD43A offers six line level inputs and a record output for tape decks. One input can be converted to accept a MM phono module for vinyl enthusiasts. A tape monitoring loop facilitates real time recording via three head machines. Additionally there are two Pre-amp outputs for connection to upgrade power amplifiers at a later date.

Difficult musical passages (not to say difficult loudspeaker loads) are handled with consummate ease by the 50W+ RMS power section.

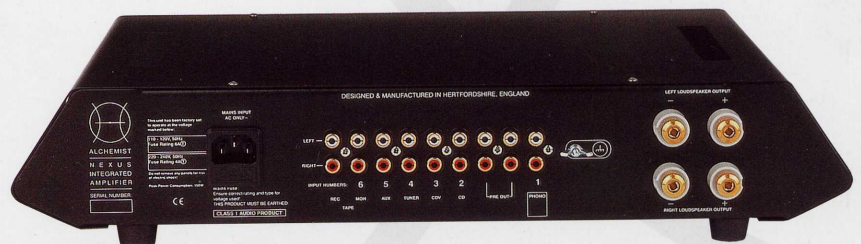
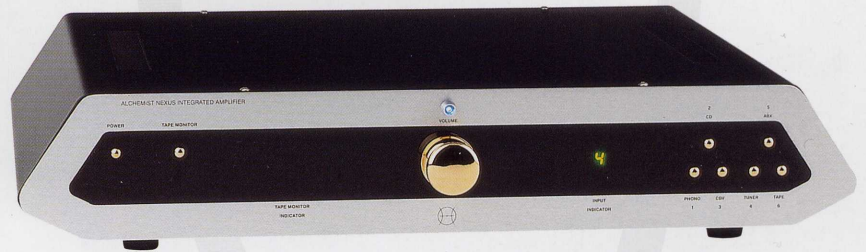
The APD43A NEXUS Integrated utilises two pairs of high current output devices, configured in Class A/B mode, which enables it to consistently drive a variety of loudspeaker types with and loads with excellent results.

The NEXUS range of amplifiers has been designed to fulfill the needs of the music lover that appreciates the finer things in life; especially the basic human need for reproduction. Even though the original NEMESIS designs set new standards for modern Hi-Fi equipment, the evolution into the NEXUS range offers a significant improvement on the original designs.

- ! The output stages now utilise higher grade selected components, ensuring greater tolerance control and therefore greater sonic qualities
- ! The component layout has been revised and wiring kept to a minimum. All earthing arrangements follow a low route/noise philosophy.
- ! High capacity, low flux, toroidal mains transformers improve imaging and give greater stability to the sound stage.
- ! Additional circuitry for EMC filtering has been implemented in a unique way to improve sound quality.
- ! The new design now incorporates a fully regulated power supply section for the preamplifier stage
- ! The earthing throughout the power supply sections has been revised to reduce noise and enhances smoother performance.
- ! Bias sensing transistorised circuitry, designed by the legendary Tim de Paravicini, is utilised to keep a tight control on bias drift.
- ! A fully independent delay circuit with timed switch-on and immediate switch-off ensures that there are no clicks and thumps.
- ! All products are now fully remote controllable.
- ! The new styled casework offers a more modern approach whilst still maintaining Alchemist undoubted originality.
- ! High quality plated push buttons and knobs control all the input functions and offer a very high level of aesthetic appeal.
- ! A finely tuned DC sensing circuit differentiates between good and bad DC content. In the event of any damaging DC being present the unit will shut down until the threat has passed.

## SPECIFICATIONS

Input Sensitivity:	300mV
Output @ 1kHz into 8 ohms:	Typically 55 Watts RMS
Frequency Response @ 3V:	-3dB @ 100KHz
Total Harmonic Distortion:	<0.3% THD
Residual Noise (Max. Volume):	<2mV
Power Consumption (Idle):	70 Watts
Power Consumption (Peak):	240 Watts
Dimensions (W x H x D):	464mm x 95mm x 320mm
Weight:	12kg



All Nexus Range products are available with either Gold or Chrome detailing



# CD

## APD32A NEXUS 24 BIT CD PLAYER

The new APD32A NEXUS 24 Bit CD player now utilises the very latest available technology in the form of the latest Crystal CS4334, 24 Bit 96KHz surface mount DAC chip and CS8414 96KHz receiver chip

The APD32A NEXUS CD player has been redesigned to perfectly match the NEXUS range of amplifiers. As with all our products it is first and foremost a musical performer, although the visual appearance of our products is of a truly high standard.

The new APD32A is based on the latest generation of CD transports from Philips, the 'ECO Module' which will allow playback of many of today's formats including CDR-W.

The Nexus CD also offers the facility of a digital output. This can be used to connect the Nexus CD to another external DAC that will further improve the performance, maybe this would be the Alchemist TS-D-1 24/96KHz DAC!.....

The APD32A NEXUS 24 Bit CD player has been redesigned to fulfill the requirements of our markets to have a fully matching unit to the APD43A and offer the latest in modern day technology. The evolution of the NEXUS 24 Bit CD offers a significant improvement on the original design.

- ! The DAC performance has been up-rated to allow the playback of the very latest 24 Bit software. This is achieved using the very latest in surface mount technology, which includes the new Crystal CS4334 24/96 DAC and CS8414 96KHz receiver combination.
- ! The transport has been based around the very latest in ECO modules from Philips. This module will facilitate the playback of CDR-W, enabling you to play back your own compilations.
- ! High capacity, low flux, toroidal transformers improve imaging and give greater stability to the sound stage.
- ! Additional circuitry for EMC filtering has been implemented in a unique way to improve sound quality.
- ! The new styled casework offers a more modern approach whilst still maintaining Alchemist undoubted originality.
- ! The fully regulated power supplies for all sections of the DAC have been retained.
- ! Also retained is the feature of using two mains transformers. One exclusively for the digital domain the other for the analogue electronics.
- ! High quality plated push buttons control all the players functions and offer a very high level of aesthetic appeal.

## SPECIFICATIONS

Frequency range:	DC -22KHz
Amplitude Linearity:	-2dB (10Hz - 20KHz)
Phase linearity:	0 degrees (20Hz - 20KHz)
Dynamic Range:	>94dB
Signal to Noise:	>-100dB
Channel Separation:	>-100dB
Total Harmonic Distortion:	0.01%
Line Output Level:	2V RMS
DAC Type:	24 Bit Delta Sigma
Power Consumption:	24 Watts
Dimensions (W x H x D):	464mm x 95mm x 320mm
Weight (Packed):	12kg



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# TSD1

The New Alchemist TS-D-1, 24 Bit 96kHz Compatible DAC will support all sampling rates up to and including the very latest DVD standard of 96kHz. Therefore making it the obvious affordable upgrade for the latest generation of CD/DCC/DAT/Mini Disc and DVD machines, bringing true audiophile status to otherwise mediocre performers. It offers the choice of either Coaxial or Optical input connection, along with a digital record output to allow digital recording onto Mini Disc, CDR or DAT type machines.

The TS-D-1 is based around the latest surface mount microchips from Crystal and Burr Brown making it the most up to date DAC available today. These coupled with many proprietary filtering enhancements also make it perform beyond its diminutive size.

The TS-D-1 is just the beginning of an exciting new range of products that will include a MM/MC phono stage, remote controlled preamplifier and power amplifiers amongst others, all utilizing the extrusion that gives them their unique identity.



## SPECIFICATIONS

DAC Type:	24 Bit, 8x Oversampling, Multi Level Delta Sigma
Sampling Rates:	Supports all sampling rates in range 16kHz - 96kHz
Data Types:	16, 18, 20 and 24 Bit SPDIF
odB Level:	2V rms
THD+n:	-96dB
Linearity:	+/- 0.3dB to 100dB
Signal/Noise Ratio:	104dB
Dynamic Range:	104dB
Master Clock:	256Fs
Digital Filter:	8x Oversampling, 80dB stopband attenuation
De-Emphasis (44.1kHz):	Digital domain <0.2dB error
Dimensions:	154 (W) x 45 (H) x 170 (D) (mm)
Weight (Packed):	3kg

All TS Range products are available in Black only.

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