



Quad Platinum Series

QUAD

the closest approach to the original sound



Since Peter Walker founded the business in 1936, all Quad products have displayed originality in design, born from a full and proper understanding of every aspect of sound reproduction. A world leader in audio amplifier and electrostatic speaker design, Quad has, over the years, made a major contribution to the improvement of sound quality. This contribution has been recognized by awards from around the world including the Queen's Award for Technological Achievement in 1978 - the only one ever presented to an audio hi-fi equipment manufacturer.

For many people, buying their first Quad sound system can be a life changing experience. They enjoy the confidence of knowing that the

complete system has been engineered to achieve optimal performance, free from compatibility problems. They relax in the knowledge that Quad's legendary service department will give support throughout the system's useful life. They derive pleasure from knowing that Quad is a company of individuals who care about both the design and construction of their products, while sharing their love of music. These are just some of the reasons why we now serve the children, and even grandchildren of our first customers.

Alan Pinfis
Chairman.





Introduction

QUAD's reputation as a manufacturer of hi-fi products that deliver musical accuracy through technical prowess is legendary and is nowhere more evident than in the Platinum series of components. Platinum is the pinnacle of QUAD design, a series of CD/DAC Pre and Power amplifiers that provides everything you need, bar the loudspeakers, to replay music recordings as they were meant to be heard – naturally.

Platinum is the flagship of the QUAD range, a new set of electronics from a brand that has been famous for quality amplification since 1936. Like all QUAD designs, Platinum's purpose is the 'closest approach to the original sound' – in Platinum's case closer than ever before.

Platinum DMP

At the heart of the Platinum system is the DMP CD player/DAC/preamplifier – a highly advanced unit technically that has one aim in mind, to reproduce digital audio in its purest form. Whether your music is stored on silver disc, on your computer or streamed from the internet, the Platinum DMP will deliver it with incredible accuracy.







Accuracy and Flexibility

The Platinum DMP is driven by a highly advanced DAC (Digital to Analogue Converter) using twin 24bit/192kHz converters in double differential mode. This is tuned to handle music files from CD up to ultra High Definition with minimum jitter and absolute accuracy. Each source mode can be named and selected via the remote handset so you are always in control of your music.

You can connect a variety of sources using USB, Optical or Coaxial digital inputs whilst the output options are also flexible – featuring balanced (XLR), unbalanced (RCA) for analogue and AES/EBU, BNC, Coax and Optical digital connections. In addition 12V trigger outputs allow the DMP to be incorporated in home installation systems and provide easy integration with Platinum Power Amplifiers. As you would expect every component in the DMP is perfectly harmonized ensuring that ease of use is matched to the advanced sound quality.



Platinum Power Amplification

The Platinum Power amplifier range is available in two forms – Platinum Stereo or Monoblock Amplifiers. QUAD has invested in more than 7 years of Research and Development to develop an ultra low distortion, low gain power amplifier configuration with the ability to drive any loudspeaker. The unique Platinum output stage accommodates a large number of output transistors, each one driven from its own driver transistor to maximise linearity. This unusual output section enables virtually flat output impedance to be presented to the loudspeaker across the frequency domain. This leads to a more natural dynamic performance throughout the audio spectrum.

This new design embodies contemporary audiophile principles. Use of tight tolerance parts in key areas guarantees both consistency between channels and adherence to a stringent design specification. Audiophile grade components, from the large power supply capacitors to the circuitry that controls the amplifier open loop gain, are all carefully chosen for their combined sound quality.





The case for the closest approach

Dynamic performance is the key to musical behaviour. In Platinum the musical dynamics are maintained precisely by making sure that each amplification stage is fed by its own power supply. In that way the power rails for the preamplifier and driver circuits avoid modulation by, say, the current demands of the output stage.

Amplifier stages are normally linked by capacitors to take care of DC offsets. Unfortunately capacitors in the signal path degrade the purity of the music signal. In Platinum direct coupling of each stage is enabled by the use of a DC servo – a circuit that compensates for any unwanted DC voltage and removes it without affecting the music signal.

For Platinum, QUAD engineers carried out extensive research into electromagnetic interference inside amplifiers. Flow of magnetic fields and cross-talk were areas highlighted from the start. PCB layouts that screen signal paths and custom made transformers that protect the amplifier boards from magnetic interference and hum induction are just a few among many innovative design solutions. The result is ultra clean technical performance and freedom from noise and distortion.

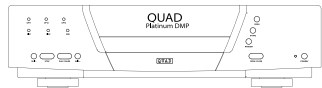
A Flagship Series

QUAD has always been known for its imaginative use of technology to improve the state of the art of hi-fi reproduction. Audio needs incredibly high resolution to sound realistic and enjoyable. In addition hi-fi components need to be able to fully match to each other in order to optimise high resolution signal transfer.

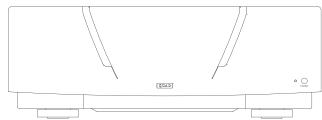
Platinum series components not only match perfectly to each other but also integrate with any other unit the owner chooses to use, for example to digital music sources or loudspeakers. In this way the desire of 'upgrade-itis' is resolved and QUAD Platinum will continue to meet the needs of the music lover for decades of enjoyable listening. By investing in QUAD Platinum you are assured that the hallmark tradition of QUAD engineering since 1936 will exceed your requirements for 'the closest approach to the original sound'.



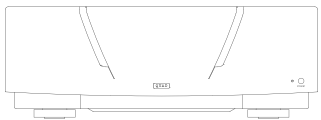
Specifications



Model Name	Platinum DMP
DAC	Crystal CS4398 x 2
I/V conversion	24 bit/192kHz delta sigma
Output Level (1kHz)	
: Fixed Output	2.4Vrms
: Variable Output	0 4.2Vrms (Ref. Fixed Output)
L/R Channel Difference	±0.02dB (1kHz)
Output impedance	100Ω
Frequency response	20Hz 20kHz, ±0.5dB
Total Harmonic Distortion	<0.001% (20Hz 20kHz)
Linearity (20Hz 20kHz)	±0.01dB
Signal to Noise Ratio	> 110dB (1kHz)
Channel Separation	> 100dB (1kHz)
Dynamic Range	> 98dB (1kHz)
THD+N	< 100dB (24 bits)
	< 94dB (16 bits)
S/N ratio	> 110dB
Digital inputs	3 SPDIF (RCA)
	3 optical (TosLink)
	1 USB (Asynchronous mode)
Digital outputs	1 optical (TosLink)
	1 BNC
	1 RCA
	1 AES/EBU
Analogue output	1 pair of RCA & 1 pair of XLR
Dimensions (W x H x D)	380 x 100 x 315 mm
Weight	5.5kg



Model Name	Platinum Mono
Rated power output	180W RMS into 8Ω
Inputs	1 x RCA unbalanced, 1 x XLR balanced
Input impedance	10kΩ
Gain	32.5dB
Frequency response	20Hz 80kHz (±3dB)
Dynamic range	100dB
(ref 150 watts output)	
Rated output (8Ω)	2 × 150W
THD + N	< 0.01%
(at 100W output, 1kHz)	
Stability Margin	Unconditional
Dimensions (W x H x D)	380 x 135 x 410 mm
weight	15.8kg
Standard accessories	Power cord



Model Name	Platinum Stereo
Rated power output	2 x 150W RMS into 8Ω
Inputs	1 x RCA unbalanced, 1 x XLR balanced
Input impedance	10kΩ
Gain	32.5dB
Frequency response	20Hz 80kHz (±3dB)
Dynamic range	100dB
(ref 150 watts output)	
Rated output (8Ω)	2 × 150W
THD + N	< 0.01%
(at 100W output, 1kHz)	
Stability Margin	Unconditional
Dimensions (W x H x D)	380 x 135 x 410 mm
weight	15.8kg
Standard accessories	Power cord

* The right is reserved to alter performance, specifications and appearance as required.



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