



Elite 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.

Aan Lufis
Chairman.







Elite Series



* An optional system remote made of cast aluminium is also available. It functions as a universal remote and emulates the functionality of both Elite CDS/CDP and Pre/Integrated remote controls.

Quad's reputation as a manufacturer of high end audio and electronic products engineered using state-of-the-art technology and the latest of innovations has earned the brand numerous recognitions worldwide.

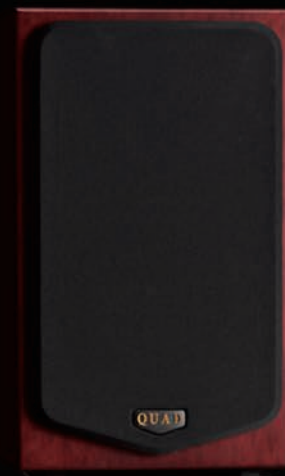
The Elite Series was developed employing the strongest design features derived from its predecessor but exhibits updated internal audiophile-class components, highly specified transformers, multi-layer circuit boards and the most advanced software available. The Elite

design builds upon the classic Quad sound, adding increased clarity and definition but foremost ensuring that the integrity of musical performance is more accessible and that the artist's message is distinctly conveyed despite deficiencies in the recording.

Devised as a fully integrated system, each product in the Elite series works best when paired with one another. Every product is enhanced according to the highest of our engineering standards to ensure that ease of use. Seamless connectivity,

fully balanced audio signal transmission and intelligent control systems that allow complete control via the remote handset is achieved.

Encased in a modern aluminium casework design constructed using superior class cast alloy and finished in deep grey with a matte black front panel which maintains Quad's bold but stylishly elegant aesthetic, the Elite guarantees a valuable investment that will last a lifetime whilst garnering much merit over years of use.



CD Players & FM Tuner

CDS

The Elite CDS brings the highest quality and sound, offering further improvements from the 99 CD Player. Quad's Elite CDS emphasises the ability to read and accurately decode discs, setting it apart from other products in a similar category.

The updated transport mechanism and servo system allows the Elite CDS to recover even more error free data than previous systems. Whether the disc is marked or middle out of specification, Elite CDS can recover the maximum amount of error free data. The digital data stream is regulated by a high-performance master clock, which minimises jitter before being fed to a top-end Crystal 24-bit/192kHz DAC with upsampling. This feature replaces the old 24-bit/96kHz chip.

Quad utilises the highest quality of electronic components throughout, incorporating multi-layer circuit boards and advanced proprietary filtering and control software.

CDP

The Elite CDP uses a bespoke designed transport mechanism optimised to allow the unit to perform at utmost perfection. Its Crystal 24-bit/192kHz DAC converts digital data into analogue signal, which is available as either fixed level for use with a traditional pre-amplifier or as a variable level to allow direct connection to a power amplifier.

It features six digital inputs to accommodate a range of PCM streams coming from digital outputs such as a DAB tuner, TV/satellite box, or computer soundcard and accepts sampling frequencies covering 32kHz to 96kHz.

FM Tuner

The Elite FM has been specially designed to provide high fidelity programme quality. Quad's FM tuner provides strong signal transmissions and high quality reproduction of music broadcasts. Through the Elite FM's specific proprietary "QUADLINK bus system, the tuner can be easily connected to the rest of Quad's Elite system enabling complete system control and a balanced audio transmission.

The Elite FM offers a realistic sound for those who value high quality music broadcasts.

Elite CDS

Elite CDP

Elite FM



Pre Amplifier & Power Amplifiers

Pre

The Elite Pre offers state of the art performance and utilises unique operating features, which puts it in a class of its own.

Through careful component selection and a re-tuning of its signal path, the Elite Pre has even further enhanced the musical transparency delivered by its 99 series predecessor. Along with the updates, Quad has still maintained its advanced features including QUADLINK and AMPBUS connectivity. These features allow the user to connect an almost unlimited number of sources, each with optimal synchronisation. A highly specified phono stage for analogue turntables is built in. All inputs including the phono input for moving-coil and moving-magnet cartridges have adjustable sensitivity settings, making the Elite Pre a usable and integral part of every system.

Elite Pre's flexibility also extends to the wide range of tone-control adjustments, noiseless solid-state signal switching, and digitally addressed analogue volume and balance controls. These track both left and right channels with an unprecedented accuracy, which is better than 0.1dB.

Mono

The Elite Mono has been carefully upgraded to ensure it retains its predecessors' acclaimed musicality, while offering an added drive and greater finesse.

New ultra-low noise transformers have been integrated, and all power supply components have been specially selected after extensive listening tests by Quad's talented designers.

Delivering 150W, the Elite Mono offers instant overload recovery and full protection against over-driving without resorting to output line fuses or relays.

Stereo

The Elite Stereo has been carefully revised to maintain its predecessors' acclaimed musicality, but adds an enhanced drive and resolution for even better sound quality.

New ultra-low noise transformers have been integrated, and all power supply components have been specially selected following extensive listening tests. The Elite Stereo allows instant overload recovery and full protection against overdriving through a 2 x 80W power rating. The quality of the signal fed to the loudspeaker is always clear and without resorting to output line fuses or relays.

Elite Pre

Elite Mono

Elite Stereo







"I'd buy one of these in a heartbeat"
Ken Kessler, *Hi-Fi News*



Hi-Fi News - April 2012



Power Amplifiers



QSP



QMP

QSP & QMP

Quad's most valuable breakthrough is still the method which eliminates problems allied to transistor amplifiers providing a steady performance and eradicating the need for fine tuning adjustments during production, otherwise known as current dumping.

The "current dumping" technique features a very high quality low output power amplifier and a very high power output amplifier. The former emits a signal to compensate for errors between the input signal and the signal fed to the loudspeakers, while the latter controls the loudspeakers at all times and provides the current to generate the sound.

The Elite QSP stereo power amplifier builds upon the features of the popular 909 Stereo. It is ideal for driving low impedance audiophile loudspeakers such as the Quad ESL.

The Elite QMP is also a by-product of the earlier 909 Mono with enhancements distinctly noticeable in amplifier construction and circuitry, and is capable of producing an accurately balanced XLR Moreover; the new Elite QMP now incorporates 'current dumping' allowing for a cleaner, more versatile performance.

Integrated & Remote



Elite Integrated

The Elite Integrated combines all the qualities of the Elite Pre and Stereo in one single chassis. Quad has gained an impeccable reputation for power amplifiers, never taking away from or adding elements to the original musical content.

A selection of input and output connections and functions are available in the Elite Integrated

complemented by a QUADLINK terminal located at the rear of the unit. The terminal serves as a communication link and provides balanced signal transmission from the Elite CDS and the Elite FM Tuner.

The Elite Integrated is a pure, indulgent product for audiophiles demanding simplicity in operation.

Elite System Remote Control

An optional system remote constructed of cast aluminum is available with the Elite Series. The remote functions as a universal remote and also emulates the functions of both Elite CDS/CDP and Pre/Integrated controls.



Specifications

CD Players

Model Name	Elite CDS	Elite CDP
General Description	Compact Disc Player	Compact Disc Player with Pre-Amp
D/A Converter	Crystal CS4398 24-bit/192kHz DAC	Crystal CS4398 24-bit/192kHz DAC
Input Resolution Signals	-	16-24 bit
Input Sampling Rates	-	32-96kHz
Frequency Response	20Hz – 20kHz (+0dB / -0.7dB)	20Hz – 20kHz (+0dB / -0.7dB)
Max.Audio Line Output	2.4V RMS, RCA 4.8V RMS, Balanced (Quadlink)	2.4V RMS, RCA (Fix & Variable Output) 4.8V RMS, Balanced (Quadlink)
Output Impedance	120 Ω	120 Ω
Total Harmonic Distortion	<0.0013% at 1kHz	<0.0013% at 1kHz
Dynamic Range	>100dB 'A' wtd. 16 bit	>100dB 'A' wtd. 16 bit >117dB 'A' wtd. 24 bit
Signal to Noise Ratio	>113dB, Digital Silence (20Hz – 20kHz) >116dB, Digital Silence (20Hz – 20kHz) 'A' wtd >94 dB, 16bit (20Hz - 20kHz) >97 dB, 16bit (20Hz - 20kHz) 'A' wtd	>113dB, 24bit (20Hz – 20kHz) >116dB, 24bit (20Hz – 20kHz) 'A' wtd >94 dB, 16bit (20Hz - 20kHz) >97 dB, 16bit (20Hz - 20kHz) 'A' wtd
Crosstalk	<120dB at 1kHz	<120dB at 1kHz
Digital Audio Inputs	-	3 x RCA Coax 75 Ohms, SPDIF 3 x Optical TosLink, SPDIF
Digital Audio Output	1 x Optical TosLink, SPDIF	1 x Optical TosLink, SPDIF
Disc Compatibility	CD-DA Conventional Audio CD CD-R Recordable CD	CD-DA Conventional Audio CD CD-R Recordable CD
Main Power On/Off Switch	Yes	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm	70 x 321 x 310 mm
Weight	4.5 kg	4.5 kg
Finish	Black	Black
Remote Control	31 keys	31keys

FM Tuner

Model Name	Elite FM
General Description	FM Tuner
Tuning Range	88 – 108MHz
Channel Spacing	50kHz
Sensitivity (30dB quieting)	Mono 8dBuV
Sensitivity (50dB quieting)	Mono 18dBuV Stereo 18dBuV
Full Limiting	<1µV (1.2dBf)
Capture Ratio	1.5dB
IF Rejection	>100dB
AM Supression	>60dB
Image Rejection	>80dB
Pilot Tone Supression	>60dB
De-emphasis	50µs or 75µs
Aerial Input	2 x 75 Ohms unbalanced
Main Power On/Off Switch	No
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	2.8kg
Finish	Black

Pre Amplifier

Model Name	Elite Pre-Amp
General Description	Stereo Pre Amplifier
Inputs	3 x Aux RCA, 1 x Tape, 1 x Phono MM (MC)
Frequency Response	Line Inputs: 1Hz – 20kHz (+0dB / -0.3dB) 0.1Hz – 55kHz (+/-3dB) MM & MC Inputs: 20Hz – 20kHz (+/-0.4dB)
Line Inputs	1Hz – 20kHz (+0dB / -0.3dB)
MM & MC Inputs	20Hz – 20kHz (+/-0.4dB)
Phono Inputs MM (MC)	
Sensitivity	1,3, or 7.75mV (100,300 or 775µV)
Signal to Noise Ratio	78dB (A) ref 7.75mV (775µV)
Total Harmonic Distortion	<0.05% (0.01%)
Output Specifications	
RCA Output level	775mV (3.3V Max)
Impedance	100 Ohms
AMPBUS Output	2V (8V Max)
Impedance	20 Ohms
Tape Output Level	100, 300, 775mV (10V Max)
Impedance	330 Ohms
Main Power On/Off Switch	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm
Weight	4.42kg
Finish	Black
Remote Control	43keys

Integrated Amplifier

Model Name	Elite INT
General description	Integrated Amplifier
Gain (line inputs)	37dB (max)
Input sensitivity	300mV or 775mV
Tape in	775mV
Output voltage	775mV
Tape out	same as input level
Output impedance	850 Ohms
Tape out impedance	300 Ohms
Inputs	2 x RCA input, TAPE IN
Outputs	1 x Pre-out, TAPE OUT
Rated power output	2 x 80W RMS, 8Ohms
Frequency response	20Hz - 20kHz (+/-0.3dB)
Total harmonic distortion (THD)	<0.005% (at1kHz), <0.05% (20Hz-20kHz)
Signal-to-noise ratio (S/N)	105dB (rated output)
Dimensions (H x W x D)	70 x 321 x 310 mm
Net weight	6.6kg
Power requirements	230V (50 ~ 60Hz), 115V (50 ~ 60Hz), 100V (50 ~ 60Hz)

Power Amplifiers

Model Name	Elite Stereo	Elite Mono
General Description	Stereo Power Amplifier	Mono Power Amplifier
Output Power	2 x 80W RMS, 8Ohms	150W RMS, 8Ohms
Frequency Response	0.2Hz - 75kHz (+/-3dB)	0.2Hz - 80kHz (+/-3dB)
Total Harmonic Distortion	<0.005% at 70W, 1kHz <0.05% at 70W, 20kHz	<0.005% at 100W, 1kHz <0.05% at 100W, 20kHz
Signal to Noise Ratio	>105dB (20Hz - 20kHz) ref 100W	>105dB (20Hz - 20kHz) ref 100W
Input Sensitivity (RCA)	775mV (for max output)	775mV (for max output)
Input Impedance (RCA)	33k	33kΩ
AMPBUS Input Sensitivity	2.0V (for max output)	2.0V (for max output)
AMPBUS Input Impedance	10k	10kΩ
Main Power On/Off Switch	Yes	Yes
Dimensions (H x W x D)	70 x 321 x 310 mm	70 x 321 x 310 mm
Weight	6.25 kg	6.5 kg
Finish	Black	Black

Model Name	QSP	QMP
General Description	Stereo Power Amplifier	Mono Power Amplifier
Design Philosophy and Core Technology	Current Dumping	Current Dumping
Output Power	2 x 140W RMS, 8Ohms	260W RMS, 8Ohms
Gain	33dB	33dB
Frequency Response	DC - 29kHz (+/-1dB)	10Hz - 50kHz (+/-1dB)
Total Harmonic Distortion	<0.004% at 100W, 1kHz, <0.05% at 70W, 20kHz	<0.005% at 100W, 1kHz, <0.05% at 100W, 20kHz
Signal to Noise Ratio	>108dB (20Hz - 20kHz) ref 140W	>105dB (20Hz - 20kHz)
Damping Factor	230	-
Input Sensitivity (RCA)	760mV (for max output)	845mV (for max output)
Input Impedance (RCA)	15kΩ	15kΩ
AMPBUS Input	-	AMPBUS / XLR
AMPBUS Input Sensitivity	2.0V (for max output)	2.0V (for max output)
AMPBUS Input Impedance	10kΩ	10kΩ
Main Power On/Off Switch	Yes	Yes
Dimensions (H x W x D)	149 x 328 x 270 mm	184 x 319 x 312 mm
Weight	12.5kg	N/A
Finish	Black	Black



QUAD

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