



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.

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.



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 over-driving 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.







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



Hi-Fi News - April 2012



Power Amplifiers



QSP

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.



QMP

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



Elite System Remote Control

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.

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 DMC	Crystal CS4398 24-bit/192kHz DMC
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	2.4V RMS, RCA Fix & Variable Output
	4.8V RMS, Balanced (Quadlink)	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' wd. 16 bit	>100dB 'A' wd. 16 bit
Signal to Noise Ratio	>113dB, Digital Silence (20Hz - 20kHz)	>117dB 'A' wd. 24 bit
	>116dB, Digital Silence (20Hz - 20kHz)	>113dB, 24bit (20Hz - 20kHz)
	>94 dB, 16bit (20Hz - 20kHz)	>116dB, 24bit (20Hz - 20kHz) 'A' wd
	>97 dB, 16bit (20Hz - 20kHz) 'A' wd	>94 dB, 16bit (20Hz - 20kHz)
Crosstalk	<-120dB at 1kHz	>97 dB, 16bit (20Hz - 20kHz) 'A' wd
Digital Audio Inputs	-	<-120dB at 1kHz
	-	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-DA Conventional Audio CD
	CD-R Recordable 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	<1 μ V (1.2dB)
Capture Ratio	1.5dB
IF Rejection	>100dB
AM Suppression	>60dB
Image Rejection	>80dB
Pilot Tone Suppression	>60dB
De-emphasis	50 μ s or 75 μ s
Aerial Input	2 x 75 Ohms unbalanced
Main Power On/Off Switch	Ng
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 - 10kHz (-0dB / -0.3dB) 0.1Hz - 55kHz (+/-3dB) 20Hz - 20kHz (+/-0.4dB)
MM & MC Inputs	
Phono Inputs MM (MC)	
Sensitivity	1.5 or 7.75mV (100,300 or 775 μ V)
Signal to Noise Ratio	76dB (A) ref 7.75mV (775 μ V)
Total Harmonic Distortion	<0.05% (0.01%)
Output Specifications	
RCA Output Level	775mV (3.3V Max)
Impedance	100 Ohms
AMPLUS Output	2V (8V Max)
Impedance	20 Ohms
Tape Output Level	100, 300, 775mV (1.0V 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		
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% (60kHz)	
Signal-to-noise ratio (S/N)	105dB (rated output)	
Dimensions (H x W x D)	70 x 321 x 310 mm	
Net weight	6.5kg	
Power requirements	230V (50 ~ 60Hz),	
	115V (50 ~ 60Hz),	
	100V (50 ~ 60Hz)	

Power Amplifiers

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

Model Name		QSP	QMP
General Description			
Design Philosophy and Core Technology	Stereo Power Amplifier		Mono Power Amplifier
Output Power	2 x 140W RMS, 8Ohms		Current Dumping
Gain	33dB		260W RMS, 8Ohms
Frequency Response	DC - 29kHz (+/-1dB)		33dB
Total Harmonic Distortion	<0.004% at 100W, 1kHz, <0.05% at 70W, 20kHz		10Hz ~ 50kHz (+/-1dB)
Signal to Noise Ratio	>106dB (20Hz ~ 20kHz)		<0.005% at 100W, 1kHz, <0.05% at 100W, 20kHz
Damping Factor	ref 140W		>105dB (20Hz ~ 20kHz)
	230		
	760mV (for max output)		
Input Sensitivity (RCA)	15k		84.5mV (for max output)
Input Impedance (RCA)	15k		15k
AMPBUS Input	2.0V (for max output)		AMPBUS / XLR
AMPBUS Input Sensitivity	10k		2.0V (for max output)
AMPBUS Input Impedance	Yes		10k
Main Power On/Off Switch	149 x 328 x 270 mm		Yes
Dimensions (H x W x D)	Weight		184 x 319 x 312 mm
	12.5kg		N/A
Finish	Black		Black



QUAD

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