

QUAD

the closest approach to the original sound.

L Series Studio Active Loudspeakers



*Performance
series*





The Quad Philosophy

Quad has, since the 1950s, led the field in loudspeaker development. The famous Quad electrostatics are now, quite rightly, regarded amongst the very finest loudspeakers money can buy.

With a fifty-strong R&D team, our research into acoustics and reproduction leads the field in development of quality hi-fi equipment. British design and engineering coupled with the industry's most efficient manufacturing facility combine to create products unequalled in terms of value and performance.

Our philosophy is simple - that of producing 'the closest approach to the original sound...'.

Our philosophy is based upon a belief that hi-fi should add nothing nor remove anything from a recording - merely reproduce it. The resulting sound should be without artefacts, distortion, colouration and truly revealing of the recording process.

Buying a first Quad system is often a revelation to customers. Although neither artificially impressive nor imposing, it will produce a natural performance and an ease of listening that is captivating from the start.

Quad products are sometimes seen as the kind of products bought at the end of a journey through hi-fi; we believe they mark the beginning.

The Quad L-Studio active

The L-Studio active was born of Quad's desire to simplify high-performance and to create the ideal amplifier module to control what has become a reference for its class.

Quad designed an amplifier module to work in absolute synergy with the L-series, compact enough to fit within the confines of the cabinet, yet powerful enough to deliver a full, rich and detailed sound.

Designing an active speaker is really the perfect foil for most loudspeaker designers. Being able to correct acoustic abhorations through equalisation is a desirable objective. What though if the speaker you are starting with is already a class leader? What if its response is already flat within 3dB from 20Hz to over 20kHz.

The objective then is to deliver an amplifier module which can fully realise the capability of the loudspeaker. To offer a clean signal path free from lossy, long cable runs and be perfectly matched to the impedance characteristics of the loudspeaker.

At Quad we have taken this one stage further. Each amplifier module contained in each single speaker contains not just one, but two amplifier modules.

A powerful and dynamic 60W amplifier is used to control the bass driver whilst a refined 40w amplifier controls the high-frequency response. Simple high and low-pass filters can be used on each amplifier section to replace the crossover and in-so-doing a revelation occurs.

Not only is the bass fast and rhythmic; the treble sweet and free from constraint, the mid-band takes on a new 'fluid' dimension, released from congestion and phase interference, to present vocals and complex harmonies in a totally natural, detailed and layered fashion.

The specification of one of the finest loudspeakers of recent times combined with four amplifiers per pair of speakers in a horizontally bi-amped configuration is remarkable in itself, yet the performance stands alone as justification enough for these loudspeakers.



The original L-series entered hi-fi's hall of fame in 2002, with the 11L winning What Hi-Fi? magazine's prestigious 'Product of the Year' Award – an accolade that was repeated the following year, and again in 2004, winning best in class. Around the world the pattern was repeated with major awards from leading magazines on every continent.







L-Studio active Versatility

The L-studio active speakers are as versatile in use as they are remarkable in performance.

Having both standard RCA connectors, and balanced inputs, they are fully compatible with a wide range of source components.

Whether it is a small MP3 player or our own performance series 99CDP-2, these loudspeakers will enable you to get the most from your music.

Each loudspeaker has its own independent volume control. By using this to set the balance and overall output level, any source device with a variable level volume can be used. the 99CDP-2 is ideal for a high-quality bedroom or kitchen system.

Coupled with a network music player, they enable you to listen to your music collection anywhere in the house - without the quality restraints usually involved in such systems.



The theory of Good Design

According to Quad's philosophy a good loudspeaker should add nothing, nor remove anything from the recorded sound.

That's fine in theory, but how can we make sure that our loudspeaker designs adhere to this principle?

The answer is both simple and complex. Put simply, we manufacture everything ourselves - that's not we *make the cabinet ourselves and buy in drive units* - it's not that we *make our own crossovers to tune a 'cobbled-together' loudspeaker*. We manufacture every part of every loudspeaker from raw materials:- Wood, metal, KEVLAR, rubber and plastics.

We go further though. We manufacture our own molds for die-casting, our own tools for pressing and stamping - and this is the real key to good design.

Our designers and engineers have complete freedom. If they want to develop a new chassis - no problem; if they want to experiment with new materials - that's fine. Because we rely on nobody else, we can design the complete product with complete synergy - every part tweaked and honed to form a perfect symbiotic relationship with every other part.

That's why, with Quad products the whole is always much greater than the sum of the parts.





L Studio Series Specifications

Model	11L Studio	12L Studio
Passive Components		
Transducer Complement	2 Way	2 Way
Cone Bass driver	5" 125mm	5" 170mm
Soft Dome Tweeter	1" 25mm	1" 25mm
Bass driver	D688	D689
Tweeter	D695	D695B
Active Components		
Bass Power Amplifier	60W Current Dumping	60W Current Dumping
Treble Power Amplifier	40W Current Dumping	40W Current Dumping
Active Crossover Network	1.8 kHz	1.8 kHz
System Performance		
Frequency response +/-6dB	45Hz-24kHz (unfiltered)	45Hz-24kHz (unfiltered)
Bass Filter	-6dB/Octave (rel. 100Hz)	-6dB/Octave (rel. 100Hz)
Short-term Peak SPL (@1m)	102dB	110dB
Upper frequency limit -10dB	32kHz	32kHz
Input Impedance @ 1 kHz	10K Ohms	10K Ohms
Input Sensitivity	0.775V (0dBu)	0.775V (0dBu)
Signal/Noise Ration	>100dB	>100dB
System Fb	55Hz	50Hz
Magnetic Screening	Yes	Yes
Mains Voltage	230V or 110V available	230V or 110V available
Power Consumption	22W idle; 120W max.	22W idle; 120W max.
Physical Characteristics		
Balanced signal input socket	XLR - 1/4 TRS jack combo	XLR - 1/4 TRS jack combo
Unbalanced signal input socket	RCA phono (cinch)	RCA phono (cinch)
Mains input connector	3 pin IEC fused	3 pin IEC fused
Enclosure type	Ported	Ported
Enclosure construction material	15 & 25mm MDF	15 & 25mm MDF
Product dimensions HxWxD	326 x 190 x 284mm	357 x 205 x 308mm
Net Weight	8.2Kg	9.7Kg
Finish	Piano Gloss Black	Piano Gloss Black



Quad Product Range

Reference series

Electrostatic Loudspeakers

- ESL - 2805
- ESL - 2905



ESL - 2805

Performance series

Loudspeakers

- L-ITE 5.1 System
- L-ITE Mini Loudspeaker - Pair
- L-ITE Centre Loudspeaker - Single
- 9L2 Loudspeaker - Pair
- 11L2 Loudspeaker - Pair
- 12L2 Loudspeaker - Pair
- 21L2 Loudspeaker - Pair
- 22L2 Loudspeaker - Pair
- L2 Centre Loudspeaker - Single
- L2 Subwoofer - Single
- L-ITE Subwoofer - Single

Electronics

- 99 CDP-2
- 99 CD-S
- 99 Pre
- 99 Stereo
- 99 Tuner
- 909 Stereo
- 909 Mono



99 - Pre Amp
99 - Power Amp

Classic series

Electrostatic Loudspeakers

- ESL - 989
- ESL - 988

Amplifiers

- II-forty Power Amplifier (mono)
- II-Classic Power Amplifier
- QC-twenty four Pre Amplifier
- QC-24P Phono stage



Quad II-Forty Power Amp
QC24 Pre Amp

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