



L SERIES

QUAD

...the closest approach to the original sound



*Hi-Fi News Separates
System of the Year
2003-2004*

*Hi-Fi News Separates
System of the Year
2004-2005*

*What Hi-Fi?
Product of the
Year 2002-2003
Best stereo
speaker 250-500
2004-2005*

*What Hi-Fi?
Product of the
Year 2003-2004.
Best stereo
speaker 250-500
2004-2005*

*What Hi-Fi?
Product of the
Year Full Size
Speaker
Packages
2004-2005*

*Quad L Sub is
best subwoofer
2004 from
What Hi-Fi?*

*Quad 11L is Best
Stereo Speakers
of the Year 2004
from What Hi-Fi?*

The Quad L-Series

The QUAD 11L

The 11L is the entry point for the series, with a single five inch KEVLAR bass/mid driver and a 25mm textile dome tweeter. Despite its diminutive size, the 11L boasts some of the finest top to bottom cohesion you will ever find in a stand mount speaker and is accurate and smooth through the mid-range in true Quad style. Careful placement will extend the bass response significantly, giving this speaker a performance well beyond the scale of its dimensions – yet throughout the frequency range this speaker is articulate and musical for a thoroughly refined and enjoyable listen.

The QUAD 12L

The cabinet volume and drive unit size are slightly larger than the 11L to produce a wider frequency response in the bass region. A 6.5" KEVLAR bass/mid driver replaces the 5" unit. In most other respects, they are similar to the 11L. Elegant and simple, the uncluttered design has a remarkable dynamic range for such a small speaker – a consequence of the accuracy and speed of the long-throw driver under pressure.



The Quad 11L shown is one of our 'Collectors Editions' - limited runs of only 500 pairs in an exotic veneer - in this case, Ebony.



“These [11L] Quads have that extra touch of monitor-like finesse that brings them out of the midprice bracket and into the upper echelons of audiophilia.” – Hi-Fi World

“Not only do they come in a beautiful real-wood veneer with a piano gloss lacquer, but they sound terrific too. The scale and authority of their performance is breathtaking” – What Hi-Fi? Sound and Vision

The QUAD 21L

The 21L is a loudspeaker which is simple and elegant in design, yet remarkable in performance. As well as negating the need for stands, the 21L gives an extended bass response over the standmount versions, yet retains all the precision, detail and imaging capabilities of its smaller brethren.

The lustrous piano finish is applied to each speaker by hand over a period of seven days, each of which involves applying a coat of lacquer which must then dry at an ambient temperature before being cut and polished. The final coat is polished to a high gloss finish to produce one of the finest finishes seen on any loudspeaker in this class.

The QUAD 22L

The 22L is the flagship of the range. This tall, floorstanding model with ultra low distortion twin KEVLAR drivers produces a fast, dynamic bass, extending to around 30Hz at the lower end for real impact and a compelling sense of scale. Bass detail is excellent, tracking precisely every nuance of the deepest double bass while, maintaining an area of open space around instruments.

The QUAD L Centre

For the first time ever, Quad is producing a centre channel speaker within the 'L' series. That is not to abandon our hi-fi roots, but to enable those with good multi-channel systems to enjoy the 'L' series in all its glory – the 'L' centre is tonally and frequency matched to produce an exceptional surround sound speaker system capable of reproducing not only film sound-tracks with spectacular clarity and precision, but also of reproducing the growing number of multi-channel music formats.



“The Quad L-series subwoofer is nothing short of sensational. Its precise, taut, invigorating delivery is hugely entertaining, and this subwoofer is also capable of some pretty impressive low-frequency dynamics” – What Hi-Fi? Sound and Vision





*The Quad L Sub is
Best Subwoofer 2004
from What Hi-Fi?*

The QUAD L Sub

Another first is the Quad L-Sub active subwoofer system. An exceptionally refined unit, the L-sub can be used to great effect within both stereo and multi-channel systems. If your penchant is for standmount speakers but you find the bass response too limited, the addition of the L-sub will provide the necessary sub-sonics to enhance your enjoyment.

Although a sub-woofer can be placed anywhere in a room as bass frequencies are essentially non-directional in nature, you may choose to leave the L-sub a little more exposed. The same high-gloss piano finish is applied to the subs making them as attractive as they are sonically adept.

Features of the L-sub include an extremely high power 300WRMS amplifier module, a choice of six discrete filter paths, from 35Hz to 85Hz in 10 Hz steps, a full feature remote control, microprocessor controlled volume and four memory settings which can be set and recalled from the remote.



L Series The Technology

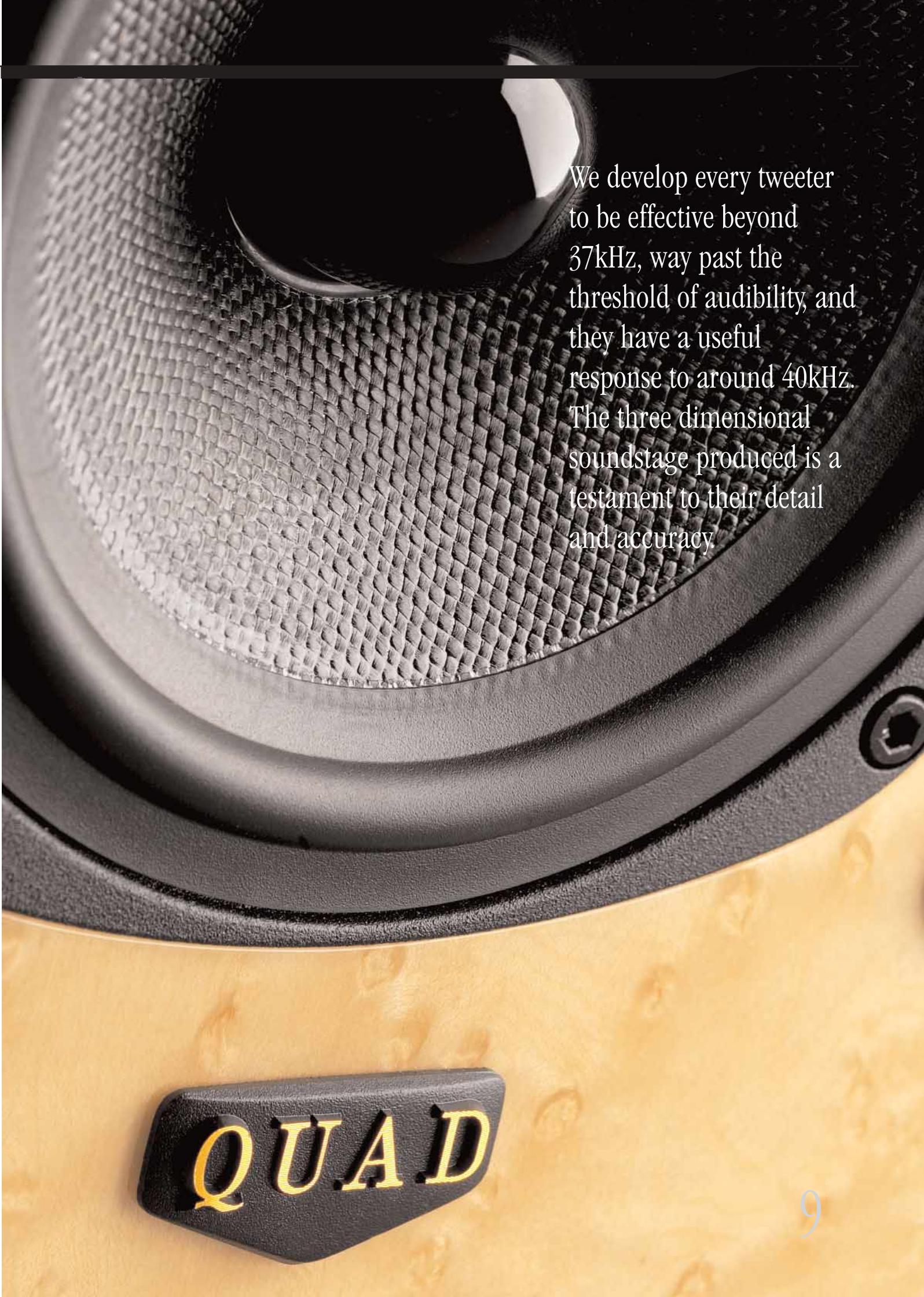
Underneath the classically British exterior beats an audiophile heart. The long-throw KEVLAR driver is manufactured from a self-damping resin impregnated fibre form of the material. This is then lattice woven to create the appropriate stiffness, strength and weight properties. The material is formed into a cone and mounted on a butyl rubber surround. A high efficiency, double hand-wound voice coil tracks the signal, with the high-gauss magnet assembly providing an impetus for movement. A strong, die-cast aluminium alloy chassis assembly is an essential part of the design, keeping everything taut and under control, even with large transients and extremes of power. A profiled phase plug provides additional cone axial rigidity and also improves off-axis performance.

The dual 25mm voice coil is wound on an aluminium alloy carrier or 'bobbin'. This 'wicks' heat away from the central coil region to maintain peak performance and

the optimum excursion of the long-throw driver. The coils are vented to reduce the effect of any pressure build-up in the central cone region.

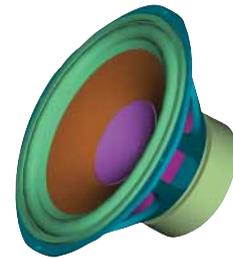
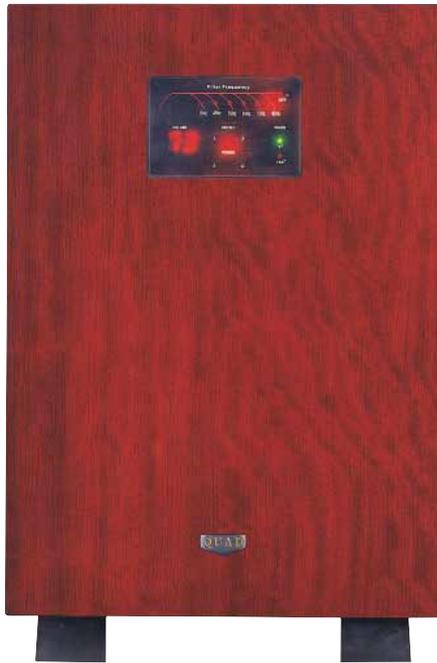
Many years of experience have manifested themselves in the high-frequency driver. A compact yet powerful neodymium magnet keeps the tightest control on the diaphragm. Phase coherency is particularly important to ensure the bass integrates perfectly with the treble, and of course, to create a truly holographic stereo image – the hallmark of a classic Quad sound. This tweeter is so controlled; it measures typically less than 1% distortion from 103dB (equivalent to normally loud playback) output at a distance of 1 metre.

The tweeter fascia plate is engineered for a smooth frequency response and excellent dispersion. This is further aided from the flush mountings of this plate and the bass/mid unit into the cabinet front baffle. Both drive units are closely coupled to provide good integration.

A close-up photograph of a speaker tweeter. The tweeter is a small, circular component with a woven mesh grille. It is mounted on a larger, black, circular speaker frame. The background is a light-colored, wood-grain surface. The text is overlaid on the right side of the image.

We develop every tweeter to be effective beyond 37kHz, way past the threshold of audibility, and they have a useful response to around 40kHz. The three dimensional soundstage produced is a testament to their detail and accuracy.

QUAD



L Subwoofer The Technology



A revolutionary drive unit material is only the start of the technological innovations that make this new Quad subwoofer a fine addition to any surround or stereo system.

The new 'tri-lam' cone is a composite construction comprising of a hydraulically moulded and thermoset lamination of three materials. The inner layer is bi-directional weave carbon fibre, the two outer layers are bi-directional weave glass fibre. The outer rim of the cone incorporates rim-edge stiffening within the design. The resulting cone is extremely rigid and lightweight, ensuring very low energy losses, even at extremes of volume, and without the delays associated with high-mass paper pulp or plastic cones commonly used in subwoofer drivers.

Further innovations include a powerful 300WRMS amplifier module coupled with a brand new filter stage. A microprocessor controlled filter section has been developed adjustable between 35 and 85Hz in 10Hz steps – each having a discrete path for the cleanest signal possible.

A full function remote control allows the user to calibrate the subwoofer (crossover, volume and phase) from the listening position and store up to four settings in the memory, which can be recalled at the touch of a button.

Finished in the same choice of high quality piano lacquered veneers as the existing L-series models, the L-subwoofer is as attractive a piece of furniture as it is accomplished as a reference subwoofer.

specifications



Model	11L	12L	21L	22L
Drivers				
Bass	5" 125mm	6.5" 170mm	6.5" 170mm	6.5" 170mm
Mid	–	–	–	6.5" 170mm
Tweeter	25mm Tex	25mm Tex	25mm Tex	25mm Tex
Recommended Amp Power (RMS)	30 – 150W	30 – 200W	30 – 200W	30 – 300W
Nominal Imp.	6 Ohms*	6 Ohms*	6 Ohms*	6 Ohms*
Sensitivity (1W@1m)	86dB	88dB	88dB	89dB
Frequency Range @ -6dB	45Hz to 24k	45Hz to 24k	35Hz to 24k	30Hz to 24k
HF Limit	43kHz	43kHz	43kHz	43kHz
Crossover Frequency	2.2kHz	2.2kHz	2.2kHz	150Hz, 3kHz
Size mm (H x W x D)	325 x 190 x 243	355 x 205 x 253	795 x 205 x 263	865 x 205 x 278



Model	L-Centre	L-Sub
Drivers		
Bass	5" 125mm	12" 300mm tri-lam
Mid	–	–
Tweeter	25mm Tex	–
Recommended Amp Power (RMS)	30 – 150W	Amplifier power output: 300W (RMS)
Nominal Imp.	6 Ohms*	Frequency Range (Boundary position): 25Hz – 90Hz, (-6dB)
Sensitivity (1W@1m)	88dB	Max power output: 113dB measured at 1m
Frequency Range @ -6dB	70Hz to 24k	Low pass filter range: 35Hz – 85Hz (plus by-pass) in 10Hz increments
HF Limit	43kHz	Input impedance 10kΩ 180° switchable
Crossover Frequency	2kHz	Facilities: Phase select, Auto power, Hi & Lo inputs
Size mm (H x W x D)	428 x 162 x 206	Gross weight / Net weight 31.6kg / 29kg
		Size mm (H x W x D) 525 x 340 x 465

*Impedance: All models are suitable for use with 8 Ohm amplifier outputs.

Finishes: Please contact your local Quad dealer.



Quad Electroacoustics Ltd, IAG House, Sovereign Court, Ermine Business Park, Huntingdon, PE29 6XU

Tel :- 0845 4580011, Fax :- 01480 431767

www.quad-hifi.co.uk

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