



## Press Release

**High End Munich 18 May 2017.** Q Acoustics today confirmed that its new loudspeaker, the Concept 500, will be available this month from selected retailers for demo and purchase. They will cost £4000 or €4500.

After more than a decade of designing and manufacturing class-leading and award-winning loudspeakers, Q Acoustics set about delivering its first high-end audiophile model. The Woking-based Q Acoustics R&D team was tasked to produce the best speaker possible under £10k. Working closely with Fink Audio-Consulting and IDA, they developed its most advanced, innovative and refined model yet - the Concept 500.

Featuring two newly designed very low-distortion mid / bass drive units and an equally new 28mm soft dome HF unit with wide surround, the stylish Concept 500 forms the top of the award-winning range.

Beneath the mainly black or mainly white loudspeaker cabinets lie some significant innovations:





Point to Point (P2P <sup>™</sup>) bracing which just stiffens the actual parts of the cabinet that can benefit rather than spreading vibrational energy to places where it is not wanted and reduces cabinet noise.

Dual Gelcore <sup>™</sup> a triple sandwich of precision MDF material with a flexible and non-hardening gel in between to absorb vibrations and turn them into heat. Working at a higher frequency than P2P it again reduces unwanted noise from the cabinet.

These two innovations combine to reduce the unwanted noise from the cabinet by up to 30dB – a huge amount – which improves stereo images, reduces colouration and most of all, makes music and speech more natural sounding.

In addition, the enclosure includes Helmholtz Pressure Equalisers (HPE <sup>™</sup>) which help to equalise pressure differences inside the tall loudspeaker cabinet thus increasing low frequency linearity. The plinth is simple, very solid, but at the same time designed to offer as little acoustic reflection as possible, again improving realism.

Overall the design of the enclosure gives the best possible opportunity for the new drive units to display their talents.

The 165mm mid / bass unit with a coated impregnated paper cone and a 35mm voice coil has tremendous power and dynamics together with grip but at the same time its exceedingly low distortion and high linearity bring the ability to bring realism to a whisper or a roar.

The new 28mm soft dome tweeter with wide surround is also a technical marvel: the larger dome and wider surround combined with a fully optimised and balanced motor system deliver superbly low distortion right down to well below the crossover frequency.



It has wide dispersion to enable good, even room drive and a wide and convenient sweet spot for listening.

Combining the drive units is a 4<sup>th</sup> order acoustic Linkwitz-Riley crossover including a Mundorf Supreme polypropylene capacitor in the tweeter feed and a Mundorf Aircore inductor that is so large it had to be mounted on the base of the speaker.

The speaker was first shown to the world's specialist audio trade at the High-End show in Munich in May 2016. Having received a very positive reception at the show launch was expected shortly after but Q Acoustics have since confirmed that their innovative Dual Gelcore™ cabinet required more time to fully master than had been anticipated.

**For more information please read the Concept 500 White paper and/or talk to:**

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www.qacousticsnewsroom.com

**Images and Review samples also from the above contact.**

Or images from:

[http://www.armorhome.co.uk/armor\\_downloads/ -](http://www.armorhome.co.uk/armor_downloads/)

[!/Q\\_Acoustics/Product\\_Images\\_and\\_Logos/Concept\\_500](http://www.armorhome.co.uk/armor_downloads/!/Q_Acoustics/Product_Images_and_Logos/Concept_500)