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Magnet

Quantum 757

Opulent sound from
classic to pop



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The brand-new Quantum 757 from Magnat aims to score in terms of both appearance and acoustics: And it also manages to do this, thanks to the skill of the developers. by Gerold Lingnau

Magnat is still one of the good old names in the German hi-fi business, standing for innovative achievement and performance, such as the omni-directional plasma tweeter and the first subwoofer satellite system. The products

on the market today include loudspeakers and transistor-equipped hi-fi electronics. Its sister brand Heco (both have been under the umbrella of the American enterprise Audiovox since 2003 and are based in Pulheim near Cologne) was also a big hit at the International Consumer Electronics Fair held in late summer last year. It included the 670 and 750 model series in its Quantum top speaker range for the electronics fair in Berlin. They each comprise one shelf and two standalone speakers, one centre speaker for surround sound purposes and one subwoofer. The in-house demands on Quantum speakers are high: They have to represent the brand in a worthy way, inside and outside, in terms of both design and acoustics. After presenting the Celan GT 502 from Heco's top product segment some time ago ("Technik und Motor" magazine dated 31 January 2012), it was the brand-new Magnat Quantum 757 that then aroused our interest as the most expensive member of the 750 group. Priced at €1800 per pair, although this model is outside the most common and popular products, it is certainly justified by the extravagance and luxury created by the developers. The speakers make an outstanding impression even from the outside. The 1.06 metre high, simple rectangular-shaped enclosures with their elaborate interior bracing support a black or white high-gloss lacquered baffle made of 4 centimetre thick MDF: The remainder of the body is available in a black or white satin finish and, for €200 extra per pair, with rosewood veneer as well. The four perfectly fitting chassis with their aluminium outer rings look very elegant and could well prompt some buyers to do away with the removable fabric covering. The separate base plate rests on detached rubber feet, with height-adjustable spikes provided for softer floors. The 757 is a 3-way loudspeaker. The tweeter – a 25 millimetre

cone capable of up to 50 kilohertz and made of finely woven synthetic silk – is supported in a stable aluminium flange between the subwoofer above it and the two bass chassis below it. All three have 17 centimetre diameter cones made of ceramic-coated aluminium as well as flow-optimised aluminium die-cast baskets; double magnet systems and ventilated voice coils ensure a

powerful and robust drive, with the bass reinforced by a large rear-facing reflex opening. The woofers work up to a frequency of 200 hertz, with the subwoofers, sharply separated in relative terms, then taking over sound reproduction up to 2800 hertz. The fact that the three 17 centimetre baffles are secured in the just 19 cm wide enclosure with eight instead of the normal four or six screws is but a small indication of the commitment to quality well above the average. This is also demonstrated by the crossover and its components as well as the

connecting terminal with its solid sockets, although these are located in an excessively narrow cavity. Bass and mid/treble range branching is provided for each pair, which enables bi-wiring or bi-amping, i.e. supply via separate speaker cables or through an amplifier duo. We have tried out bi-wiring and emphatically recommend it. With their high degree of efficiency – a result, as it is said, of minimal moving masses and maintaining narrow tolerances for all components – and impedance between 4 and 8 ohms, the 757's do not make any great demands on the amplifier. But you will be delighted with such an efficient and powerful signal supplier. On account of the rear-facing bass reflex opening, the speakers should not be placed too close to the wall. And then they will do every credit to their predecessors: Their sound is more opulent than lean and, in this way, the Magnat speakers know how to make an event out of every type of music. The bass foundation is firmly laid and powerful. The subwoofer leaves the important range around 3000 hertz extensively to the tweeter, which goes about its work very well in this frequency range, which is still otherwise too low for it. The fabric dome counteracts unpleasant sharpness in this regard. All in all, the Quantum 757's produce a convincing, rounded performance. Those listening to classical music can take pleasure in a wealth of symphonic sound patterns and nuances as well as splendidly reproduced,

graceful chamber music. Jazz enthusiasts will appreciate the way in which the Magnat speakers convey an authentic live atmosphere, while rock and pop fans can demand original volume from them without any worries. The Quantum 757's can therefore please many different types of people and focus the spotlight on their luxuriant sound.



Without the front cover, the Quantum 757 gleams with its aluminium chassis edging