

Magnat

Quantum 750 Set

New speaker series for the discerning customer.



HEIMKINO
Highlight
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Dazzling appearance.

The Quantum series from speaker specialist Magnat has been delighting the discerning home cinema enthusiast with sophisticated technology and the finest sound quality for many years. The Pulheim based company presented the brand new Quantum 750 series at the IFA 2012 in a 5.1 configuration.

An elegant visual appearance and the finest chassis technology for optimum sound quality were obviously the guidelines for developing the new Quantum 750 series. We can confirm the former with 100% satisfaction, as the test samples gleaming up at us from the box are slim, perfectly coated glossy beauties. All of the housings in the series consist of extremely sturdy MDF constructions with elaborate internal bracing. In addition, a double-layered 45 mm thick front panel has been added, which provides the 750 models with even more stability and an elegant appearance. A high-gloss base plate (35mm thick) has been mounted underneath the housing, which provides an additional visual accent thanks to its fine groove. The subtle metal retaining rings in the chassis blend harmoniously with the superbly applied high-gloss black lacquer finish - a wonderful contrast. The models in the Quantum 750 series are alternatively available in a high-gloss white or the more contemporary "mocha" finish. .

Quantum 757

For the main speakers in our 5.1 set we opt for the 757 models, which are the larger of the two floorstanding speakers in the new Quantum 750 series. The speakers, which are around 100 cm tall, accommodate two woofers, a midrange driver and a tweeter in a 3-way bass-reflex configuration. For optimum stability, low resonance and low weight, the 130 mm cones have been manufactured from a composite material consisting of ceramic and aluminium. The sturdy baskets in the chassis are made of non-magnetic die-cast aluminium, are flow-optimised and feature a powerful drive consisting of a double magnet system. A driver with a 25 mm fabric dome, which also features a powerful double magnet for a high dynamic range, is used for the tweeters of all models in the series. The tweeter's large mounting flange, which has been manufactured from an aluminium/ABS composite material, has been embedded cleanly and flush in the coated front panel - this detail is impeccable in terms of both workmanship and acoustics. For reasons of a visual nature the bass and midrange cones, which are also embedded flush in the speaker, have been surrounded by a screwed aluminium panel. This looks really good and will certainly stand up to the critical eyes of the lady of the house. All of the models in the Quantum 750 series feature terminal areas at the rear, each of which is equipped with two pairs of metal gold-plated bi-wiring screw terminals.

Center 73, Rear 753

Everything that has been said regarding the housing quality and technical configuration of the 757 floorstanding speakers applies equally to the Center 73 and the 753 compact shelf speakers. The identical configuration of all speakers in the Quantum 750 series with the same chassis creates an excellent foundation for an acoustically harmonious performance in a surround setup. Of course, only a single bass-midrange driver operates in the 753, while two are integrated in the Center 73.

Subwoofer 731 A

Even though the deep bass performance of the Quantum 757 is more than adequate, a genuine subwoofer is required for the

ultimate home cinema experience! This job is best suited to the visually harmonious Quantum 731A down-firing subwoofer with its elegant black high gloss finish. Its smart appearance, however, may be deceiving: A 300 mm diameter long-throw driver, which is equipped with a coated paper cone and arranged at a defined distance to the high-gloss base plate in a traditional bass reflex enclosure, together with the built-in 180 watt (RMS) amplifier guarantee an enormous amount of bass pressure and a genuine level of depth. The bass unit, which weighs in at around 26 kg, features RCA and high level inputs, an adjustable volume and crossover frequency, as well as a phase switch and automatic On/Off switch.

Laboratory and practice

All of the new Quantum 750 units generate a positive impression in the home cinema acoustics lab thanks to a very balanced frequency response and low distortion factor. The active subwoofer 731 A is particularly impressive due to its huge dynamics and a lower cut-off frequency of 35 hertz. This ensures optimum conditions for a dynamic and immersive sound experience in our test cinema. Confirmation of this was produced by the Hollywood blockbuster "Battleship", whose extreme soundstage demanded a huge performance from the Quantum 750 set. The crashing shells of the USS Missouri battleship, shattering armour plates and the staccato sound of anti-aircraft guns created a dynamic effect that was almost frightening. The Quantum 750 set, however, barely seemed ruffled even after a spirited crank of the volume knob: the smart sextet delivered extreme levels cleanly, precisely and without distortion in excellent quality. The set even masters soft, subtle tones with flying colours, ensures dialogue is easy to understand and that subtle nuances in the hissing sounds of grenades fired across the room can be identified easily. The new Quantum set is by no means restrained or cautious, as it generates a performance with a lot of oomph, agility, dynamism and brilliance. The harmonious interplay between all six speakers, which fuse into one harmonious unit in our huge test cinema, is particularly compelling. Individual speakers are hardly noticeable in this setup. On the contrary - everything interacts seamlessly to leave the listener literally sitting in the middle of the action. Superb!

Conclusion

The launch of Magnat's new Quantum 750 series means a trade-off between a living-room friendly design and dynamic performance is no longer an issue. This extremely stylish and slim set offers stunning dynamics, a rich bass range, an extremely detailed resolution and tremendous level reserves in comparatively compact dimensions. The perfectly produced housings will enrich any living room with their high-gloss finish and harmonious proportions, while also offering an optimum sound performance in both multi-channel operation as well as in a pure stereo configuration. While the new Quantum 750 set does not exactly cost a fortune, it is reasonably priced given its outstanding quality in the truest sense of the word!