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Magnat

TEMPUS 5.1 SET

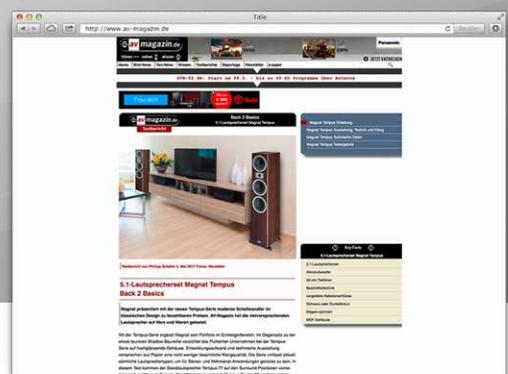
SOUND: VERY GOOD

OPERATION: VERY GOOD

WORKMANSHIP: VERY GOOD



Magnat Tempus 5.1-Set
very good



Magnat

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5.1 Magnat Tempus Back 2 Basics loudspeaker set

With the new Tempus range, Magnat presents modern speakers in a classic design at affordable prices. AV-Magazin has put the promising loudspeakers through their paces.

With the Tempus range, Magnat is supplementing its entry level portfolio. In contrast to the somewhat more expensive Shadow range, the Pulheim-based company has not included the high-gloss enclosure in the Tempus range. On paper, the development effort and technical features promise a no less remarkable sound quality. The range currently includes all loudspeaker types to be equipped for stereo and multi-channel applications. In this test, the Tempus 77 floor-standing loudspeakers are used in the front left and front right surround sound positions. The centre channel is reproduced by the Tempus Center 22. The two compact speakers are responsible for the conversion of the rear effect channels. In the deep bass range, the Sub 300A active subwoofer ensures audible and perceptible bass reproduction. All Tempus loudspeakers are available in an ash wood decor. Optionally in timeless black or classic mocha brown. The 5.1 speaker set presented here is available as of now and, according to the manufacturer's recommended price, costs around €1,550.

Design and workmanship

The loudspeakers of the Tempus range offer a classic, solid look. The angular enclosures are made of medium-density pulpwood and covered with a veneer. The quality of the film is flawless and is impressive with its precise workmanship and silk-gloss finish. While the compact loudspeakers and the centre speakers are set on rubber feet, the floor-standing speakers are equipped with metal spikes or, optionally, traverse feet. The latter are made of plastic and can be screwed into the bottom of the base plate in no time at all. Four drivers are countersunk into the baffle placed on top. This not only looks good, it also prevents sound-reducing edge reflections on the chassis baskets of the subwoofers and the front plate of the tweeter. In addition, the baffles are rounded to the side, which reduces the formation of acoustic shadows. The silver-coloured chassis covers make the drivers stand out really well, which gives the speakers a nice contrasting look. Measured against the attractive pricing, Magnat's new Tempus range is impressive with its outstanding material and production quality.

Technology: Tempus passive loudspeakers

Anyone thinking that Magnat has saved on technology in the reasonably priced range doesn't know the company very well. The Pulheim-based company has designed and built the new range with the same meticulous attention to detail as it also applied to create the more cost-intensive Quantum range. For example, the chassis are controlled using amplitude and phase-optimised frequency crossovers. These operate via high-quality passive components that ensure meticulous acoustic separation of the crossover branch with a steep 24 decibels per octave. This means that each driver is assigned only those ranges that it can also convert in an optimum manner. In the shortwave range, Magnat has opted for a newly developed dome tweeter. The tweeter, known as fmax, operates up to 45,000 hertz. The pre-connected high-pass filter engages at around 3,300 hertz. To be able to reproduce this broad frequency range in the best possible way, Magnat uses a 25 mm dome cap made of fine-mesh textile fibres. Thanks to the sound guide in the form of an inwardly bending front panel, Magnat has been able to effectively optimise the dispersion characteristics, which results in improved reproduction for lateral listening angles. A powerful neodymium magnet in the drive section ensures parametrically correct reproduction, even with high loads and, therefore, high volume. In the basic and mid-range sector, a 170 mm cone driver is used in the large Tempus 77 and the Tempus 33 compact speaker. This operates via a coated paper membrane. With this, Magnat wants to ensure the perfect technology mix for high rigidity, good damping and good-natured resonance behaviour. Sufficient load capacity is ensured by ventilated voice coils that are located in the narrow magnet gaps and provide for efficient cone excursion. The membrane, surround and centering spider are held by a sturdy metal cage, which has large-sized ventilation openings for low-compression air pressure generation.

Technology: Tempus active subwoofer

An imposing subwoofer is used for effective reproduction of the bass range. The roughly 35 cm wide and 45 cm high bass speaker weighs in at 16.3 kg and has its own digital amplifier. This is fitted at the rear behind the connection panel and can deliver up to 240 watts to the bass chassis. The latter measures an impressive 300 mm in diameter and is equipped with an inverse dust cap. As with the smaller cone drivers in the passive loudspeaker, a coated membrane is used on the Tempus subwoofer. Thanks to the padded rubber surround and the deep magnet gap, the bass can perform substantial excursions without any difficulty.

This, in turn, allows for high sound pressure levels in the deep bass range, which are the icing on the cake for home cinema applications. Thanks to the magnet system optimised with the Klippel measuring system, Magnat has been able to get the maximum performance from the chassis. Adequate support is provided by a sturdy MDF enclosure with elaborate bracing on the inside. Two precisely calculated bass reflex channels give the subwoofer an additional deep bass boost. Thanks to the rounded flange on the inlet and outlet openings, these have low flow resistance and ventilate in an absolutely noise-free way even at high volumes.

Sound quality

For the listening test, we first use the action spectacle "Battleship" with R&B star Rihanna. In the battle between the warships, the Magnat set produces stirring surround sound. The shells and projectiles flying around criss-cross through our listening room, drawing us right into the middle of the film's action. The Tempus set offers outstanding localisation features at all times. The 5.1 set positions every effect in its correct place in the surround sound structure, creating an impressive acoustic 3D stage. Meanwhile, the subwoofer performs first-class work in the deep bass range. The large subwoofer, which constantly fills the listening room with powerful bass salvos, really pays off here. Even at high volumes, the Magnat bass performance is totally stress-free, which is due, among other things, to the development optimised using the Klippel measuring system. The explosions sound enormously powerful and dynamic at all times, convincing the listener with controlled depth and spontaneous onset. Thanks to the tonally neutral tuning, the Tempus set is also completely convincing for music playback. For example, Katie Melua's voice sounds very authentic - brilliant with expressive power and high-resolution detail reproduction.

Clear text

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