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Cambridge soundworks ensemble iv manual

The Cambridge SoundWorks catalog describes the new Fourth Group speaker system as the most compact, most cost-effective sub-speaker/satellite speaker system ever developed by Henry Close. Given that Close is one of the most talented and prolific speaker designers of our time (and certainly not given to exaggeration), it would be reasonable to infer that the fourth group is somewhat specific. decide for yourself . It's a three-piece system with two small, almost cubic satellite speakers and a compact bass compact subwoofer. The bass module has a 5-3.4-inch long launch driver with dual audio coil wire to irradiate frequencies below about 150 Hz through a single 2 to 1/4-inch port. The bass driver operates in an sealed cavity, firing into the second cavity that acts as a tuned pass band filter in order to remove unwanted frequencies above its output. Each satellite speaker is barely large enough to contain a 3-inch long launch cone driver, the response extending to 150 Hz. The satellites, which have perforated metal grills, are finished in dark grey Nextel, but are also available for painting in a color of your choice. Cambridge SoundWorks is also somewhat unconventional in securing all the extras needed to install their systems. The fourth group comes with a 100-foot insulated roll, color speaker wire code, wire cutter/stripper, and full instructions for installation. It is also available with three additional satellites for use in home theater systems, as is the fourth group home theater, and it's ideal to enjoy home theaters at a minimum cost when combined with an inexpensive AV receiver, a TV, and a VCR. We measured the performance of the bass module and satellites both individually and together as a system. The average room response of the system was effectively flat above 400 Hz, within 2 dB overall up to about 10 kHz. The cone resonance of satellite drivers produced a 4-DB peak at 12 kHz, but the overall response to the system output in our listening room (including border effects) was ± 5 dB from 50 Hz to 20 kHz. Mls-like measurement of response frequency showed a very flat response (+1 dB) from 300 Hz to 2 kHz, an increase in the level of 3-dB from 2 to 3 kHz, and a variation of ± 2.5 -dB from 3 to 9 kHz. The resonance of the satellite cone produced a 7-D.B. increase between 9 and 12 kHz, followed by a steep drop that reached the main reference output level at about 16 kHz. A closely miked measurement of the satellite's output showed an impressive flat response of $1.5 \pm B$ between 160 Hz and 1 kHz. We measured the frequency response of the bass module with the microphone in its port. Its response was even more dramatically flat than satellites, which differed ± 1 dB from 65 to 170 Hz. The sensitivity of the system was 88 dB noise pressure level (SPL) at 1 meter with a input of 2.83 volts of pink noise. Driving Module with 3.56 volts (equivalent to 90-dB SPL reference), we measure distortions in your output as between 1 and 4 percent over the range from 1 kHz to 100 Hz, rising to 10 percent at 60 Hz. Although output fell below 60 Hz at about 20 dB per octave, bass distortion did not exceed 20 percent below 20 Hz. Neither system mandatory ratings nor any other performance specifications of the fourth group are given in accompanying literature and installation instructions (otherwise incredibly accurate and informative). Our measurement of the complete system impedance showed at least 3 both at 200 Hz and between 3 and 4 both from 180 Hz and 1 kHz. The maximum barrier was only 9 at 50 Hz, with another increase to 8 at about 1.2 kHz. Burst unicycle tests at 1 kHz and 100 Hz showed that Group IV drivers can last only about any imaginable input (at least for short periods) without injury. Our amplifieI reached its limits (about 1,200 watts!) without any damage to the speakers. In listening tests, this remarkable little system lived up to its measurements. Small satellites produced a bright stereo audio scene that revealed their size and weight (although the small size is desirable from the point of view of producing a space image). The bass module is both intuitive and audible blunt, but putting your ears close to your port leaves no doubt that it's doing its job. Once you are accustomed to the size of this system, its listenable balance and quality become apparent. As it happened, the only other system we had available for comparison at the time was much larger and more expensive. Although the two systems certainly didn't look alike or look alike, they were both quite listenable, and the fourth group never gave a hint of their negative dimensions and price tag to match. I have a little coil called the bass module subwoofer. It is woofer, and a very effective one for its size and weight. But it's just nitpic, and I have to agree with Henry Close that this system is one of the top bargains in today's market. Hearing believes! About This ListingCambridge Soundworks Group IV Home Theater Speaker System by Henry KlossSerial #070967Includes 1 White Subwoofer, 4 White Satellite Speakers and 1 Black Center SpeakerComes with handy ownerMinor scuffs, scratches and dingsTested and works and sounds great! Unfortunately, our website is currently not available in most European countries. We are involved in this issue and are committed to looking at options that support our full spectrum of digital offerings to the EU market. 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