R^R Rave Reviews

Outside

The SuperNova Millennium 15 is remarkably compact for a subwoofer with two 15-inch drive elements. It's a 17.5-inch cube, but the driver and passive radiator protrude about 1.25 inches out from each side, for an overall width of 20 inches, and the connectors add about half an inch to the front-to-back dimension. The enclosure is made from 15 layers of laminated Scandinavian birch which is coated inside and looks like a very course, black wrinkle finish. This coating adds structural rigidity and damps The low-pass filter is a fourth-order (24dB/octave) unattractive.

The black anodized connector panel on the No speaker-level high-pass filter is included. rear of the enclosure doubles as the chassis for the amplifier. There are four pairs of Hz- 150 Hz), switches for the phase (0.00-180�) and power off/auto-on, plus a remote control input. An IEC power connector The patented SLAPS passive radiator has a flat sink other than the connector panel itself.

inches in diameter, and the filled diaphragms are about 10.5 inches in diameter, appearing travel. flat from the outside. The active element faces left and the passive faces right, with the Sound connector panel at the back. No grilles are included, so the drive elements are exposed.

allow it to be placed at the subwoofer or control adjusts volume only.

Inside

The internal amplifier is a 580-watt class D pulse width transformer which is attached to the cabinet floor and produced the highest output of any practical a patented optical distortion limiting (ODL) circuit to prevent the amplifier from clipping regardless of input signal level or gain



out with a thick, half poly-mix material that setting. The gain control has a motor-driven pot for remote adjustment of volume-level.

cabinet panel resonance. The subwoofer Linkwitz-Riley configuration that is continuously variable a subwoofer with more slam than this one. It is the looks rugged and professional but it is not from 50 Hz- 150 Hz. There is a first-order (8dB/octave) most powerful LFE subwoofer I've heard, period. The high-pass filter on the line-level outputs fixed at 100 Hz.

The MAGMA 15 active drive unit has a 3-inch voice coil with a winding height of 1.85 inches. The 7-inch five-way binding post inputs and outputs for diameterepoxy coated spider is spaced an inch away speaker-level signals, RCA jacks for line-level from the top plate. The huge magnet assembly is an inputs and outputs, continuously variable inch-and-a-half thick. The back plate is bumped .375 controls for gain and low-pass frequency (50 inches, and the pole piece has a 1-inch vent hole through the center. This cast-basket driver exhibits high construction quality and looks very rugged.

completes the rear panel. There is no heat diaphragm that is about an inch thick, with a metal weight in the center. The push-pull surrounds are The driver and passive radiator are identical spaced about an inch apart and are about 1.75 inches in appearance. The frames are about 16 wide. The surround material is tapered in thickness to allow 4-inch peak-to-peak travel with linear motion and no rocking. The SLAPS has no basket or spider to inhibit

The SuperNova Millennium 15 plays at incredibly high levels all the way down to 18Hz and below. It A tiny infrared receptor for the remote control delivered 118dB at 45Hz at the listening position which comes with a substantial length of cable to is about 3 meters away from the subwoofer.. This level was maintained within 3dB all the way down to 25Hz. I measured 117dB at 40Hz, 117dB at 35Hz, 116dB at several feet away. The hand-held remote 30Hz, 115dB at 25Hz, and 102dB at 20Hz with clear and solid sound. It produced a clean 98dB at 18Hz! Above 25Hz these levels exceed those delivered by the huge Servo Drive subwoofer and they far surpass any other reasonably-sized home theater subwoofer in the modulation (PWM) design. It features a toroidal review. The Earthquake SuperNova Millennium 15

home theater subwoofer I've reviewed and it also performed well on musical selections.

The Earthquake subwoofer did an excellent job of reproducing the rhythm and pace of music. Pitch definition was good. I managed to get a pretty good blend with the main speakers. The Earthquake produced more powerful bass at lower frequencies than other vented subwoofers and blended better with the main speakers. Sound effects are another story.

Deep, high-impact bass for sound effects was simply outstanding. The big Earthquake delivers the low frequency "air" of a large venue with startlingly realistic punch when loud effects occur. You won't find ultra-high output level capability means that there will always be plenty of headroom to reproduce the loudest effects with clarity and full dynamic range.

The patented optical distortion-limiting (ODL) circuit worked flawlessly to prevent overloading the amplifier or driver. There was never a whimper of distress regardless of signal frequency or level. At normal listening levels the SuperNova just loafs along effortlessly, and when a really loud effect comes along this subwoofer handles it without compression or distortion.

Conclusion

The Earthquake SuperNova Millennium 15 is the most powerful home theatre subwoofer that I've heard and performs very well for music reproduction, too. It beats the other vented designs for fidelity and delivers higher output than any other compact home theatre subwoofer I've reviewed. It costs less than \$2,000, looks good, and is completely self-contained. Want to move your world? Get an Earthquake SuperNova Millennium 15. Want to move your neighbor's worlds as well? Get two.

dB measurements as tested by WideScreen Review, Buyer's Guide issue # 36

MANUFACTURER EARTHQUAKE	MODEL SUPERNOVA	MSRP\$ 3,000	DRIVER 15"	dB@40Hz 117	dB@35Hz 117	dB@30Hz 116	dB@25Hz 115	dB@20Hz 102	dB@18Hz 98
B & W	4000-ASW	3,000	15"	115	115	115	114	102	N/A
BAG END	S-18E	2,680	18"	110	110	110	108	100	N/A
TRIAD	PLATINUM	2,200	18"	N/A	N/A	N/A	106	92	90
VELODYNE	F-1800R	1,999	18"	112	112	113	110	98	N/A
ENERGY	ES-18XL	1,700	18"	114	114	112	106	98	90
PARADIGM	SERVO-15	1,500	15"	112	112	110	106	96	90
BAG END	INFRA-18	1,495	18"	108	108	106	102	90	N/A