



MAGELLAN VI su HDSS™ PASSIVE SUBWOOFER

The importance of the role of low frequencies in high definition audio is finally being realized but the approaches to providing bass detail have few innovators. Subwoofers as realized today utilize resonance for operational efficiency therefore obscuring detail. When using conventional subwoofers their inherent resonance destroys the required flat group delay making it impossible to produce a low frequency foundation that allows for high definition audio through an audiophile speaker system. **The Magellan series** are the first and only subwoofers to deviate from this method of obtaining low frequency output. **ETL™** technology develops the required mass to generate low frequencies using a proprietary high pressure **Embedded Transmission Line** to maintain tight control of the driver even at subsonic frequencies. Accuracy requires rapid decay of motion in the absence of signal as with a low mass tweeter yet the muscle and compliance to move the driver must be there on demand when required, essentially a fast start-stop time for low frequencies.

The **Magellan VI su** uses a small 6.5" curve-linear aluminum driver of a high stiffness and a much lower moving mass than typically required to produce low frequencies. The unique properties of the **ETL™/Reflex** enclosure technology convert the input low frequency signal into required mass in real time. The instantaneous application of signal related acoustic mass on the diaphragm of the driver in the **Magellan VI su** keeps the ducted low frequency output in perfect sync with your main speakers. Acoustic synchronization of high-speed bass information with your mains is required for overall system integration. **The Magellan VI su** dominates the rooms' low frequency acoustic energy thus reducing the modulation effects of lower pressure reflections that will be present. The small dimensions of the **Magellan VI su** make it a welcome addition in even the smallest of listening spaces while it maintains accurate bass extension in large or small rooms. Placement is simple with center-boundary placement being best for a single subwoofer and left-right placement near the mains typically behind or inside between. Once you have performed the simple integration process you will not have to make subsequent changes to accommodate the program material. The **Magellan VI su** is for use with dynamic or planar speaker systems and may be used in single or in multiple units for stereo or modular reinforcement. This is the subwoofer that audiophiles have been waiting for with natural extended bass quality, value priced and with a sophisticated



appearance that will blend in with your high-tech components. The **Magellan VI su** may be used with any quality amplifier/crossover that has ample power and allows for crossover settings.



MAGELLAN VI su HDSS™ PASSIVE SUBWOOFER

SPECIFICATIONS

TECHNOLOGY	ETL™/ Reflex —PEND PAT 10709538
FREQUENCY RESPONSE	20 Hz to 200Hz -6db (detail graphs available)
POWER HANDLING	100W RMS (175W IHF)
DRIVER COMPLIMENT	Single 6 inch Aluminum Driver supported by ETL™/Reflex enclosure
IMPEDANCE	8 ohms (nominal)
SENSITIVITY	87db 1w/1m (Max Room SPL 100db+ @ 30Hz)
DISTORTION	Less than 2% THD @30Hz to 200Hz (10W Input)
DIMENSIONS/WEIGHT	14.5" W x 14.5" D x 5.5" H /16lbs (without external feet)
CONNECTIONS	Gold plated 5-way Binding Posts (Accepts #8 wire or Spade Lugs)
TO AUDITION VISIT	www.musicalsubwoofers.com or call 1-877-828-7829

HDSS™ designates our products effectiveness for realization of all high definition audio playback mediums. Some new processes use an extremely high sampling rate to record the smallest nuances of the sound onto the DVD-CD medium. Early analog recordings made on extremely well preserved master tapes capture all of the resolution in real time so there is no sampling rate. These old master tapes are available for conversion to SACD or DVD-Audio allowing for the resolution of master tape analog playback without the noise, distortions and inconveniences of LP or high-speed reel-to-reel tapes. LP is the only analog HD format yet most audiophiles don't own turntables because of the expense and limited software available. Current and future recordings will use the new digital recording standards for all masters driving down prices for all HD recordings as the CD did when replacing the album for mass use. This is the audio utopia long awaited for preservation of artistic material now the goal is to realize this resolution in practice. Premium and value oriented high quality multi-format HD players are currently available but the resolution of red book CDs' and other even less well defined sources also benefit from the high-definition bass of the Magellan subwoofer series. Poorly resolved and resonate bass will mask all attempts to achieve high-resolution sound playback.

