



MAGELLAN VIII xu 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 makes it virtually 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 tweeter yet the muscle to move the driver must be there on demand when required, essentially a fast start-stop time for low frequencies.

The **MAGELLAN VIII xu** is a special version of the Magellan VIII that uses a dual coil driver. Although it retains the same skin and basic design of the **Magellan VIII su** it has an enhanced upper bass output. This model maintains the lower distortion of the su while providing more energy in the upper octaves. Some speaker designs require a higher bass crossover point. Heretofore the difficulty in accomplishing this is avoiding the signature of a resonating driver while maintaining extension of bass into the lowest octaves. The **ETL™** provides for precise driver control even in the drivers' resonant range thus allowing precise electrical tailoring of the response while maintaining speed. The **Magellan VIII xu** accomplishes this by incorporating a motor with a unique electrical parallel drive technique to reinforce the upper bass speed while balancing its added force to assist the **ETL™** in delivering powerful extension to 20Hz and below. The higher bass images become a part of your micro-monitor, mid-bass panels or horns sound field with simple adjustments of your crossover. Instruments covering this high bass range are reproduced with a startling real acoustic image while rhythmic integration is maintained to the lowest frequencies. We recommend this model for all high-end applications to solve bass extension and upper bass integration problems. Due to the slightly lower



impedance of the **Magellan VIII xu** we recommend using only one unit per amplifier with most subwoofer amplifiers including the **TBI 200 su** amplifier.



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SPECIFICATIONS

TECHNOLOGY Embedded Transmission Line (ETL™) Reflex –PEND PAT 10709538

FREQUENCY RESPONSE 18 Hz to 180 Hz –6db (See Graphs on back)

POWER HANDLING 200 W RMS (375W Pk)

DRIVER COMPLIMENT Single 8 inch DVC Aluminum Driver supported by ETL™ Reflex enclosure

IMPEDANCE 5 Ω (nominal)

SENSITIVITY 88db 1w/1m @28Hz (Max Room SPL 100db+)

DISTORTION less than 2% 15 Hz to 180 Hz @ 10 W input

DIMENSIONS/WEIGHT 17.5" W x 17.5" D x 6.8" H/ 27lbs (without external feet)

CONNECTION 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 available to the consumer 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, however the resolution of standard 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.

