



## MAJESTIC DIAMOND I HIGH DEFINITION AUDIO MONITOR

The **Majestic Diamond I** (MD-1) represents a breakthrough in audio loudspeaker design. It incorporates technology that focuses on all of the problems associated with natural sound reproduction.

The listening room, the elemental enclosure that houses the driver and the need to divide the frequency range of the higher frequencies, inherently flaw current loudspeaker design. This is one of the main focuses of the high end and the high cost to fix. Although it seems a simple process to use the woofer-midrange-tweeter arrangement to optimize quality the physical path differences and crossover network destroy the integrity of the signal and cause the need for a specific listening position where the sound might integrate. Off axis reflections mix with direct sound to modify what we hear while altering the radiation characteristics of each driver making observation of the reproduced sound very subjective.

The **Embedded Transmission Line (ETL™)** radically alters the approach to loudspeaker design allowing for a reduction in size and improvement in sound. What are the weak links for the loudspeaker?

- Need for size and volume- Small speakers are not considered for best sound quality.
- Need for multiple drivers- Sound must be divided into several ranges for quality sound reproduction.
- Room-Speaker Interaction-The loudspeaker must be located away from the walls for best quality not in the location best served for practicality and aesthetics.
- Need to Listen at High volumes- Loudspeakers must be loud to have quality sound with inherent compression the result. (Dynamic range is exceptional with the **Majestic Diamond I**)
- Excessive Loudspeaker-Component Costs – Quality Loudspeakers require Quality Components.

With so many new applications for quality sound the need is greater than ever to eliminate the above limitations. With the introduction of the MD-1 problems are eliminated while quality is enhanced:

- Small size becomes strength rather than weakness for quality sound.
- There is only a single driver covering 98% of the audio range with unprecedented dispersion, dynamic range and resolution allowing unrestricted listening positions while maintaining sound quality.
- The MD-1 performs best right at the wall surface eliminating the need for obtrusive room placements.
- The elimination of phase altering elements allows for unprecedented low volume sound clarity.
- The MD-1 purchase cost is moderate while associated components can be of low, moderate or high costs.

The MD-1 is the ideal loudspeaker to explore the realm of sounds afforded in multimedia. From high-end audio to natural communications this is the loudspeaker to live with in the digital world. Hours of use just pass by while you navigate your daily AV world and Nearfield is its specialty right up to the desktop. With



its phenomenal dynamic range and natural extended bass response a subwoofer is rarely needed except for full extension to 20 Hz or in home theater applications requiring a subwoofer for LFE.

### MD-1 SPECIFICATIONS

TECHNOLOGY----- Embedded Transmission Line (ETL™) Point Source - patented  
FREQUENCY RESPONSE-- 38Hz- 16kHz +/- 3db (1600 cu ft room response graph below)  
POWER HANDLING----- 25W RMS (100W IHF max using active or passive crossover @50Hz)  
DRIVER COMPLIMENT---- Single 3 inch full-range paper driver with dual ETL™ acoustic system  
IMPEDANCE ----- 8 Ω (nominal)  
SENSITIVITY----- 87db 1w/1m (Nominal Max Room SPL 100db+@3m)  
DISTORTION----- less than 2 % 125Hz to 18Khz @1W  
DIMENSIONS/WEIGHT----- 4.625" W x 5.5" H x 5.125" D / 2.7lbs (with grille in place)  
MOUNTING----- 1/4 - 20 standard threads for most wall or stand mounts  
CONNECTION----- 5 way binding gold plated posts for secure connections  
MODEL-----MD-1  
INFORMATION----- [www.tbisound.com](http://www.tbisound.com) or call 1-877-828-7829

room response with microphone at the opposite end of the room

