



MAJESTIC DIAMOND 1R (Reference)

The Majestic Diamond 1R represents the state of the art in sound reproduction in a micro sized audio monitor. High end usually means large size and high price but no more as full range sound is delivered. This quality is apparent and in harmony with the rooms acoustics as never before possible. Advanced technology allows the MD-1R to perform with exhilarating performance beyond normal expectations.

The patented **Embedded Transmission Line (ETL™)** has opened the door for this small loudspeaker to produce a realistic large soundstage which can be observed by all in the room. There is no sweet spot limitation when used in home theater or music systems so many can enjoy the symphony just like in the concert hall. **ETL™** technology prevents the sound from being altered and allows the rooms reflections to participate in the presentation. The ambience of the typical listening room should be that of the recorded performance and this goal is accomplished with the Majestic Diamond 1R.

The **ETL™** normalizes the internal pressure behind the cone to prevent cone breakup from standing waves and mechanical diaphragm breakup. This action covers the entire frequency range and allows the MD-1R to produce extended highs and lows. Typically a speaker port is tuned to a specific frequency delivering a narrow band peak in low frequency output. The port used in the MD-1R is a unique 12" spiral port which is able to supply bass over a broad range extending room performance into the 30Hz range. The high frequencies are extended and dispersion improved using a unique phase compensation port through the pole piece of the driver in conjunction with a second miniature **ETL™** module. The 3" high quality paper driver in a micro dimensioned enclosure is now doing the impossible producing the full range of audio frequencies in high definition. This audio monitor is capable of producing sound at normal room filling volumes even exceeding 100 db with 30W of amplification.

An inherent benefit is provided for the amplifier powering the MD-1R in the reduction of the uncorrelated back EMF. Normally the back EMF of the loudspeaker is dominated by the pressure of the random standing waves internal of the enclosure. With these distortion



components reduced the driver produces a damped back EMF indicative of the program material only. The amplifier performs with ideal loading allowing its design topology to be appreciated.

FEATURES

- **HDSS® Certified**
- **High End Sound Quality**
- **Single 3" Phase Compensated Paper Driver**
- **ETL Enclosure System with 3 element internal tuning**
- **12" Low Velocity Archimedean Spiral Port**
- **Useful Bass Response To Below 30 Hz**
- **Wide Dispersion Listening With No Lobing**
- **Low Distortion – Close Listening Without Fatigue**
- **Zobel Network Maintains Flat Impedance**
- **Wide Dynamic Range Even At Very Low Levels**
- **Available In Three Stunning Finishes (Piano Black Shown)**

SPECIFICATIONS

- **POWER HANDLING** - 50 W dynamic (25 W RMS)
- **RESPONSE** - 35Hz – 20Khz +/- 6db (room boundary reinforcement)
- **IMPEDANCE** - 8 Ω nominal (8 Ω min)
- **DISTORTION** – less than 1%@1W (above 100Hz)
- **SENSITIVITY** - 86db (1w@2m)
- **DISPERSION** -170 degree horizontal/vertical dispersion
- **CONNECTION** - 5-way binding posts
- **MOUNTING** - Embedded ¼ - 20 tread insert (stand – wall – tripod)
- **FINISH** - Piano Black- Piano White – Matte Black
- **DIMENSIONS** – 5.74”H x 4.78”W x 5.28”D (14.58L x 12.14W x 13.41D) cm
- **WEIGHT** – 2 lbs ea
- **PRICE** - \$600.00 pr



MAJESTIC DIAMOND IR WITH MILLENIA MD3 INTEGRATED AMPLIFIER
MICRO-COMPONENT SYSTEM AVAILABLE \$995.00

