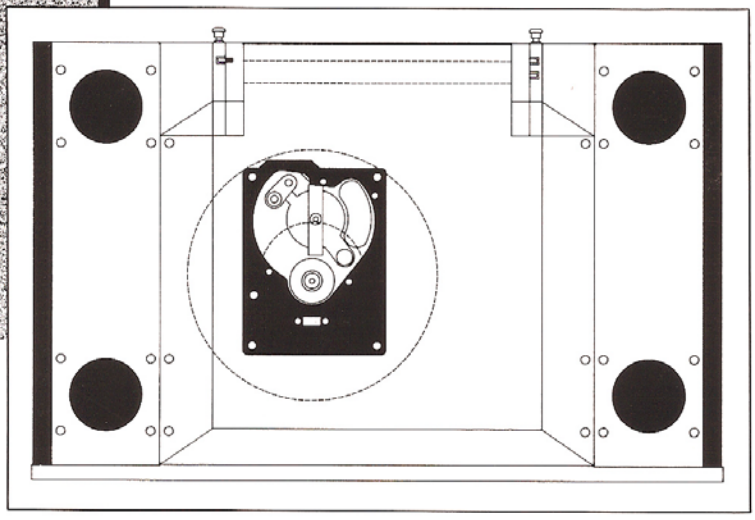
KRELL
DIGITAL INC.

Krell Digital MD-1 CD Turntable

Top loading CD turntable, optimized mechanically and electronically for the accurate recovery of information from compact discs.

MD-1 CD Turntable



The Krell Digital MD-1 Compact Disc Turntable represents a new dimension in compact disc player design. Strikingly handsome, yet superbly functional, the MD-1 presents an uncompromised engineering approach to compact disc playback.

The transport design of the MD-1 is based upon the proven Philips single beam CDM-3 swing-arm motor-drive mechanism. This accurate, ultra-reliable drive has been primarily used for computer-based CD-ROM applications. The CDM-3 employs a heavy die-cast frame to insure accurate alignment of all components. KDI mounts this transport assembly to a sub-frame machined out of solid blocks of aluminum.

The substructure of the MD-1 begins with a solid aluminum base plate, to which all suspension elements are secured. Each part of the suspension system has been meticulously designed and machined from solid aluminum stock. No effort has been spared in achieving overall rigidity of the substructure. All machined parts of the inner system are clear anodized to assure years of trouble-free service.

Four suspension towers are mounted into the substructure. In combination, they isolate the rigid substructure. Leveling is easily achieved by turning the top of the appropriate tower(s). A range of adjustment is provided, allowing placement on any suitable surface. Smooth operation is facilitated by the use of custom, precision-machined nylon and delron bushings. The material integral to the suspension towers has been chosen to achieve maximum isolation from the mechanical-acoustical environment.

To best utilize the capabilities of the CDM-3 transport, KDI designed the unit to function as a top-loader, thereby averting the problems associated with drawer-loading mechanisms and baler bearings. An electronic sensing system determines that a CD is actually on the spindle, thus preventing premature activation of the laser. A specially-machined solid brass weight clamps and centers the disc, while simultaneously reducing unwanted stress on the motor bearings. The need for CD rings or stabilizers is thereby obviated.

The chassis of the MD-1 has been designed to house the substructure and electronics of the player, and eliminate digitally created interference from radiating into other components of the audio chain.

The transport mechanism is crowned by a faceted acrylic cover, the design of which is integrated into the overall appearance of the MD-1 to provide utility and a beauty that is ageless. This cover, machined from a solid one inch thick sheet of acrylic plastic, is carefully polished and matched to a mechanically damped lowering mechanism. This mechanism ensures that the cover gently glides to the closed position, never disturbing the playing disc. The cover is easily removed and the MD-1 may be operated with the cover on or off.

The power supply for the KDI MD-1 incorporates a custom-designed toroidal transformer and multiple regulated supplies, resulting in a significant lowering of the noise floor.

The digital processing circuitry of the MD-1 is a proprietary KDI design which provides unexcelled error detection and correction to compensate for flaws in the physical media (discs). The digital data stream recovered from the disc is decoded, error-corrected (if necessary), and converted to the standard digital audio interface format for transmission. This digital data may be taken from the MD-1 via a gold-plated RCA connector or an industry-standard optical connector. Both interfaces are collocated on the rear panel of the MD-1.

The MD-1 is designed to be used with an external digital processor; only digital outputs are provided.

Needless to say, all of this lavish design and execution results in a truly superlative performer, achieving a level of clarity and musicality hitherto displayed only by the finest analog systems.

Available From:

SPECIFICATIONS

Transport	Philips CDM-3, swing-arm design with die-cast frame.
Laser	Single beam
Laser lens	Glass
Outputs	Industry-standard digital data only. Industry-standard fiber optics. Coax output via female RCA connector.
Remote Control	Wireless infrared.
Warranty	Five (5) years electronic parts Three (3) years transport-related parts
Power	100, 115, 220 VAC 50/60 Hz.
Case size	19.0″ wide, 12.5″ deep, 6.0″ high with cover closed 15.0″ high with cover fully opened
Weight	33 pounds in shipping carton.

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