KRELL DIGITAL INC.

# Krell MD-2 Compact Disc Turntable

*Top Loading CD Turntable Designed for Maximum Recovery of Digital Information*

*The MD-2 CD Turntable has a singular purpose: to retrieve, with absolute accuracy, the data from a Compact Disc. Every component and subassembly has been optimized to facilitate this purpose. The basic technology is a distillation of that developed for the industry-reference MD-1 CD Turntable. The exceptional performance of the MD-2 makes it an appropriate choice for use with the most sophisticated digital-to-analog processors.*

*The MD-2 can feed three digital inputs via one fibre optic and two coaxial digital outputs.*

## CHASSIS, CD TRANSPORT AND SUSPENSION

The requirements for an accurate CD turntable are similar to those for an LP turntable. A precision disc-reading mechanism must be integrated with a drive motor, and the entire assembly isolated from the environment. The decision to make the MD-2 a top-loading design, as opposed to a drawer-loading unit, is based on a fundamental engineering concept: fewer moving parts = increased rigidity, reliability and performance.

The MD-2 is fitted with the CDM-1 MKII, Philips finest transport for CD player applications. This transport is built on a heavy unicast frame. A Hall-effect motor and swing-arm/glass lens laser are used to drive and read the disc.

The transport is mounted in a highly compliant suspension which isolates it from external vibration. The suspension is housed within a rigid, heavy-gauge steel chassis which is completed with acoustically dead feet. The mechanical construction of the MD-2 provides the transport with a vibration-free platform on which to operate.

The MD-2 can be operated with its cover raised, lowered or removed without affecting sonic performance. An electronic sensing system determines the presence of a disc, preventing premature activation of the transport. A custom-designed weight centers the disc and effectively couples it to the transport.

*Careful layout of the transport, supply and digital recovery boards enhances the accurate processing of data.*

## SPECIFICATIONS

**Transport**
*Philips CDM-1 MKII with Hall-effect motor, swing-arm design & unicast frame*

**Laser**
*Single beam with Glass Lens*

**Outputs**
*Digital only in industry standard formats*
*1 fibre optic via standard interface*
*2 coaxial via RCA connectors*

**Remote Control**
*Wireless infrared*

**Dimensions**
*19" wide, 12.5" deep*
*6" high, cover closed*
*15" high with cover open*

**Weight**
*23 pounds, unit only*
*28 pounds shipping weight*

**Warranty**
*Three years parts & labor on transport-related parts*
*Five years parts & labor on electronic parts*

## SONIC QUALITY

All electronic circuitry in the MD-2 is designed to recover information on the disc without addition and interference. Any corruption of the data will result in degradation of sonic quality.

These circuits begin with an AC mains filter that conditions and removes contamination present on incoming power. A toroidal transformer is used to deliver power to the individual circuit stages and CD transport. The digital circuitry, originally developed for the MD-1, is used to decode and error-correct (if necessary) the digital data stream. The information is converted to the industry-standard digital audio interface for transmission to an external processor.

The accuracy of information recovery achieved through this complex of inter-related systems is extraordinary. The resulting sonic quality is characterized by well-defined low bass and a smooth, extended high end. The sound stage is stable, with great depth and width. The MD-2 inspires long and pleasureable listening sessions. In all respects it represents the turntable of the future.

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