



CD-1 Compact Disc System



Trickle-down theory is understandably suspect in the realm of economics. However, it is an established process in the field of audio electronics. The CD-1 Compact Disc System is a perfect example. Through construction and processing techniques developed for our most expensive components, the CD-1 delivers a performance previously available only in components many times its price.



CD-1 internal layout, left to right: power supply, transport and analog outputs, digital processing.

digital noise and deliver the finest possible sonic quality. Power supply and ground schemes provide the most rigid, quiet, and direct paths to active circuit components.

Krell pioneered use of the American-made Crystal single-bit Digital-to-Analog Converter (DAC). It represents the latest evolution of single-bit technology and is audibly superior to other DACs of the type. Unlike other single-bit DACs, it delivers a rich lower mid-range and solid foundation bass.

In the analog section complimentary input stages drive discrete, high-bias Class A output buffer amplifiers. Both single-ended and balanced outputs are provided. Phase splitting circuitry insures the 0 and 180 degree output signals are precise mirror images of each other, allowing the full sonic benefit of balanced operation to be apparent.

HIGH-TECH...OF COURSE

All digital, analog and power supply circuits are built onto a four-layer, glass P.C. board. Although very costly, the four-layer board offers advantages unattainable through other techniques. Ground paths, circuit layout and power supply routes can all be optimized without restriction. As a result, the digital circuits have been arranged for lowest ground noise and prevention of data corruption. The analog stages have been laid out to reject any induced

The CD-1 also has two digital outputs for routing to an external processor or digital recording machine. One coaxial and one fibre optic in the Tosh-link format are standard. Output in the AT&T wide bandwidth fibre optic format is available as an option.

A 10 key, full-function wireless remote is included with the CD-1, from which all track programming, repeat, pause and transport functions can be controlled.

SOLID-TECH... ABSOLUTELY

The CD-1 drawer is fitted with the Philips CDM-1 MKII CD motor drive. Philips finest assembly intended for CD player use, this drive has an established track record for accuracy and reliable performance. It employs a Hall-effect motor, swing-arm laser design and glass lens, all constructed around a rigid unicast frame.

The motor drive assembly is installed into a highly compliant suspension to provide isolation from external vibrations. This sub-assembly is mounted onto a heavy-gauge steel chassis. Acoustically dead

feet further isolate the CD-1 from its environment. The net result is a rigid, vibration-resistant housing for the laser and support circuitry which contributes significantly to accurate sonic performance.

KRELL-TECH

The summed benefits of the technology described above are easily perceived. Yet, the quality of the CD-1 defies prediction. Perhaps the only expectations one can have of the CD-1 are those that define KRELL-Tech: vibrant tonal quality, holographic image presentation, rugged construction and matchless reliability.



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SPECIFICATIONS

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

Laser
Single beam with glass lens

Outputs
*Analog: Single-ended on RCA connectors
Balanced on XLR connectors
Digital: Coaxial on RCA connector
Fibre optic in Tosh-link format
Optional fibre optic in AT&T format*

Note: All analog and digital outputs can be used simultaneously

Digital
*Single-bit DAC design
18 bit DAC resolution*

Oversampling
*8X w/single-bit interpolation method
64X w/multi-bit interpolation method*

Remote Control
*Full-function with 10 key pad,
Wireless infrared*

Dimensions
*19" wide, 4.5" high
12" deep with drawer closed
17.75" deep with drawer opened*

Weight
*20 pounds, unit only
24 pounds in shipping carton*

Warranty
*Three years parts/labor on transport related parts
Five years parts/labor on electronic parts*

Krell Digital, Inc. reserves the right to change the features, specifications and price of this product without notice.