KENWOOD

AUTOMATIC RETURN BELT-DRIVE TURNTABLE

KD-2000

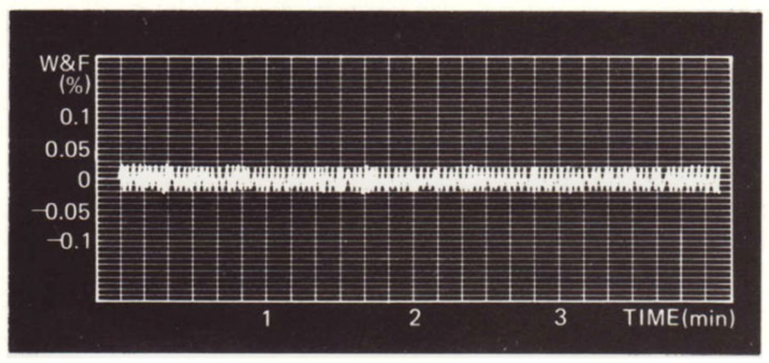
THE AUDIBLE DIFFERENCE

With its 0.055% (WRMS) wow-and-flutter and -65dB (DIN wtd) rumble figures, the new semi-automatic KD-2000 is built for the best budget hi-fi systems.

The outstanding performance of the newly designed KD-2000 turntable, proved by its specifications, indicates unusual accuracy and low noise in phonograph record reproduction. Yet these figures alone do not attest to the high level of audio engineering embodied in this belt-drive model. In particular, the ways in which vibration and resonance have been suppressed need some explaining, since they clearly make the KD-2000 a superior turntable in this budget range. The attractively styled, easily operated KD-2000 uses a belt-drive system. Its superior performance proves that a well designed belt-drive turntable can offer record reproduction quality equal to or better than most other turntables in this class, including "direct-drive" models. Musical enjoyment from phonograph records has never been more affordable.

Accurate And Smooth Platter Rotation: The Key To Low 0.055% (WRMS) Wow-And-Flutter

Accurate platter rotation is crucial to turntable performance because any inaccuracies show up audibly as wow-and-flutter. Wow is a slow wavering of pitch affecting long sustained notes (like those a piano, guitar or horn make). Flutter is a faster, higher pitched variation perceived as a roughening of the sound quality. Through the extreme accuracy achieved by the new high performance 4-pole AC synchronous motor, Kenwood's engineers have succeeded in reducing this form of sound deterioration to 0.055% (WRMS)—a level which compares very favorably even with higher priced and "direct-drive" models.

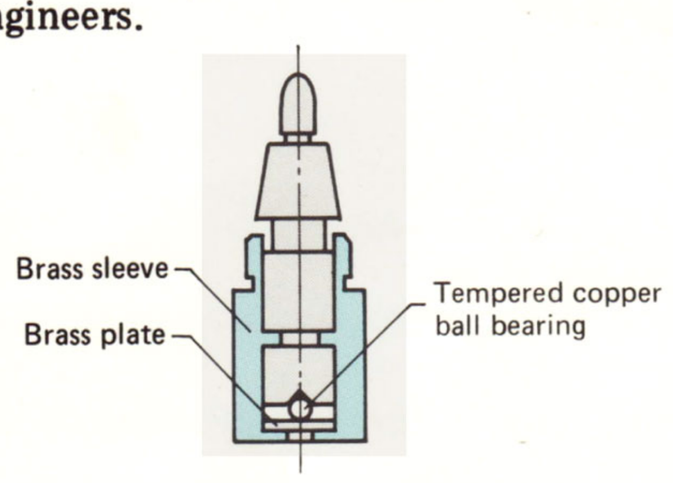


Highly accurate record reproduction through the achievement of low 0.055% (WRMS) wow-and-flutter

The high torque of this motor not only provides fast start-up time but also contributes to the stability of platter rotation.

"Total Integration" Design Yields Low −65 dB (DIN wtd) Rumble

Rumble is another form of sound degradation caused by vibration from the motor transmitted via the base board to the cartridge. Mostly this is the result of poor engineering and inferior materials. The KD-2000's stable, vibration-free rotation is produced by its "total integration" design concept in which even the platter center shaft (frequently a neglected source of instability) has received special attention by Kenwood's engineers.

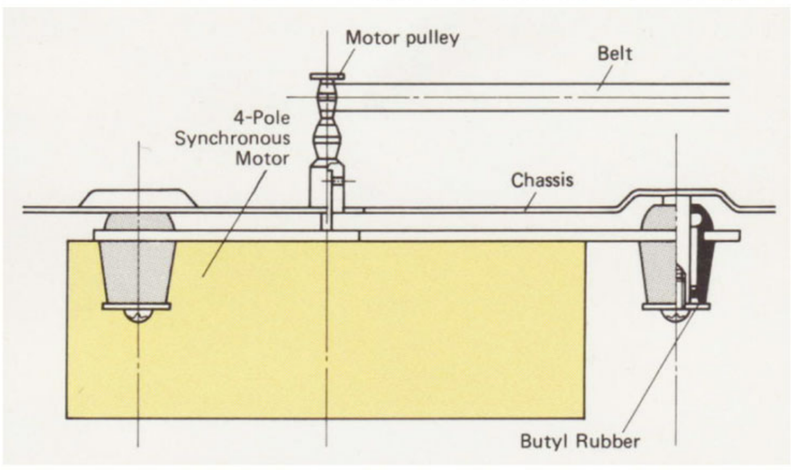


Careful design of the center shaft leads to greater stability and lower rumble

This shaft is made of a specially hardened stainless steel, completely enclosed in a brass sleeve and balanced on a tempered copper ball bearing resting on a brass plate. Friction-free rotation is provided by the use of a specially selected high-grade lubricant. High mechanical impedance will allow stable rotation of the platter and low rumble to be maintained over a very long period of use.

Isolated Motor Suspension System Reduces Motor Vibrations

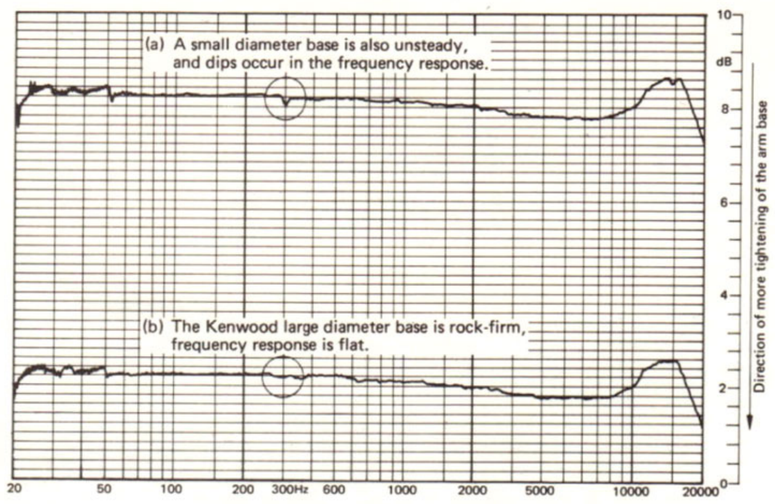
Although the rubber belt used in this system to some extent absorbs motor vibrations, Kenwood's engineers designed a special "floating" suspension system which uses butyl rubber to isolate the motor from the cabinet. In this way, the excellent −65 dB rumble figure, using the accepted DIN weighting measurement method, was achieved. In fact, the signal-to-noise ratio of the KD-2000 is effectively the same as for the surface on which the turntable rests.



How the KD-2000's "floating" motor suspension system produces less vibration and improves rumble

New Highly Sensitive S-Shaped Tonearm With Special Weight Decoupling For Low Resonance

Although a highly sensitive tonearm tracks groove modulations more efficiently, often the tonearm's resonance causes the delicate stylus to mistrack. Resonance has been minimized in this new tonearm assembly designed for the KD-2000 in two significant ways. The counterweight, which is normally a source of resonance, is decoupled from the pipe-arm by means of a butyl rubber isolator which effectively cancels tonearm resonance, preventing it from reaching the cartridge. Further damping of tonearm resonance is provided by the extra-large diameter tonearm base, which secures the arm assembly with greater rigidity. These measures account for the outstanding clarity of record reproduction, especially in the low frequency range.



Kenwood's 102 mm (4-1/32") large diameter tonearm base increases rigidity and damps resonance, particularly in the critical 300 Hz region

Other Features For Quality Performance Of The KD-2000

Auto-return and cut for convenience of use

Highly stable and ultra-quiet, the automatic mechanism returns the tonearm to rest at end of play. It also provides automatic cut and return at any point during play.

Stylish design conceals anti-resonant materials

The KD-2000 uses high density particle board, selected for its acoustic properties, beneath an attractive matte gray finish.

Longer tonearm

Its effective length of 225 mm (8-7/8") is designed to reduce lateral tracking error.

Anti-skating control

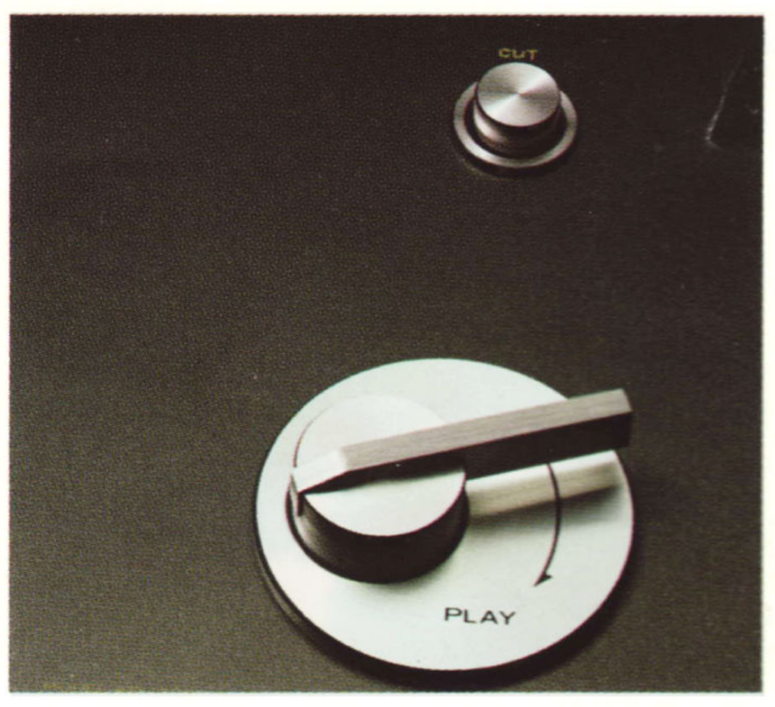
Balances the side-thrust movement which can lead to uneven record groove wear and cause severe distortion of the stereo image.

Viscous damped cueing device

This uses a special silicon oil impervious to changes in temperature or humidity. It acts gently in both directions with no "bouncing".

The KD-2000's incredibly easy operation

Thoughtful design makes the KD-2000 one of the easiest turntables to operate. A large PLAY control combines with the AUTO-CUT button for smooth finger-tip operation.



KD-2000

SPECIFICATIONS

MOTOR & TURNTABLE

Drive System	Belt-Drive System
Motor	4-Pole Synchronous Motor
Turntable platter	30 cm (12") Diameter Zinc Alloy Die-Cast
Speeds	2 Speeds, 33-1/3 and 45 RPM
Wow & Flutter	Less than 0.055% (WRMS)
Rumble	DIN Weighted Better than — 65 dB

TONEARM

Type	Static Balance Type, S-Shaped Pipe-Arm, EIA Plug-in Connector.
Effective Tonearm Length	225 mm (8-7/8")
Overhang	15 mm (9/16")
Tracking Error	±1.5 Degree
Stylus Pressure Variable Range	0 to 3 Grams
Usable Cartridge Weight	4 to 10 Grams

CARTRIDGE

Furnished Cartridge	V-47 or V-48
Stylus	N-47 or N-48
Frequency Response	20 Hz to 20,000 Hz
Output Voltage	2.3 mV (1,000 Hz, 5 cm/sec.)
Optimum Tracking Force	2.0 ± 0.5 Grams
Load Impedance	50k ohms
Replacement Stylus	N-47/N-48

ADDITIONAL FEATURES

Auto-Return/Cut Tonearm Mechanism, Anti-Skating control, Viscous-Damped Cueing Device, Stylus Pressure Direct-Readout Counter, Plug-In Type Headshell, Built-In Insulator

MISCELLANEOUS

Power Requirement	AC120V, 60 Hz .... U.S.A. and Canada Model
	AC240V, 50 Hz .... U.K. and Australia Model
	AC120V/220V (Switchable), 50 Hz/60 Hz .... European Model
	AC120V/240V (Switchable), 50 Hz/60 Hz .... Others
Power Consumption	8 watts
Dimensions	W 468 mm (18-7/16") H 151 mm (5-15/16") D 365 mm (14-3/8")
Weight	7.0 kg (15.4 lbs)
SUPPLIED ACCESSORIES	EP Adaptor

CABINET

Material	Particle board laminated with polyvinyl chloride finish is used in the construction of the cabinet Bottom cover is injection molded from ABS copolymer resin.

Kenwood follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.

A product of

TRIO-KENWOOD CORPORATION

6-17, 3-chome, Aobadai, Meguro-ku, Tokyo 153, Japan

KENWOOD ELECTRONICS, INC.
1315 E. Watsoncenter Rd, Carson, California 90745;
75 Seaview Drive, Secaucus, New Jersey 07094, U.S.A.
TRIO-KENWOOD ELECTRONICS, N.V.
Leuvensesteenweg 184 B-1930 Zaventem, Belgium
TRIO-KENWOOD ELECTRONICS GmbH
Rudolf-Braas-Str. 20, 6056 Heusenstamm, West Germany
TRIO-KENWOOD FRANCE S.A. 5, Boulevard Ney, 75018 Paris, France
TRIO-KENWOOD (AUSTRALIA) PTY. LTD.
30 Whiting St., Artarmon, N.S.W. 2064, Australia
KENWOOD & LEE ELECTRONICS, LTD.
Wang Kee Building, 5th Floor, 34-37, Connaught Road, Central, Hong Kong

B-625-C 780230SA Printed in Japan