KENWOOD

KD-5OF
KD-4OR

Sales Manual

TURNTABLE

Product policy

At the low end of the price range where the KD-40R and KD-50F are positioned, it's usually not easy for the salesman to offer much to a prospective customer — except for the price. But, while price is certainly an important factor, these two Kenwood turntables also offer a great deal in the way of performance. The specifications for wow-and-flutter and rumble, for example, immediately imply superior engineering. Such specs, in fact, have previously been the prerogative of turntables of a higher range of products.

In the case of the KD-50F, its primary selling point is its quartz-PLL direct-drive system, while the KD-40R also offers a direct-drive system as the basis for its performance and potential for long-term reliability. Both models use DC servomotors that are designed to eliminate or minimize the irregular energy delivery of conventional motors. The KD-50F employs a coreless DC motor for this purpose, while the KD-40R employs a 20-pole, 30-slot DC motor that has been successfully incorporated into several other popular Kenwood units.

Automatic operation is also a key feature of

Sales Points

Key Specs

KD-50F

- **Quartz-PLL speed control**
- **Direct-drive system**
- **Fully automatic operation**
- **2-motor drive**
- **Coreless DC servomotor** with freedom from "cogging" effects
- **Straight tonearm** designed for low mass, low resonance, smooth tracking
- **Highly stable gyro-balanced pivot**
- **Touch-switch, front-lined controls**

- Wow-and-flutter **0.025%** (WRMS)
- Rumble **−75dB** (DIN wtd)

KD-40R

- **Direct-drive system**
- **Automatic return with cut feature**
- **3-LED speed-centering guidance system**
- **20-pole 30-slot DC servomotor** with low "cogging" effects
- **Straight tonearm** designed for low mass, low resonance, smooth tracking
- **Highly stable gyro-balanced pivot**
- **Touch-switch front-lined controls**

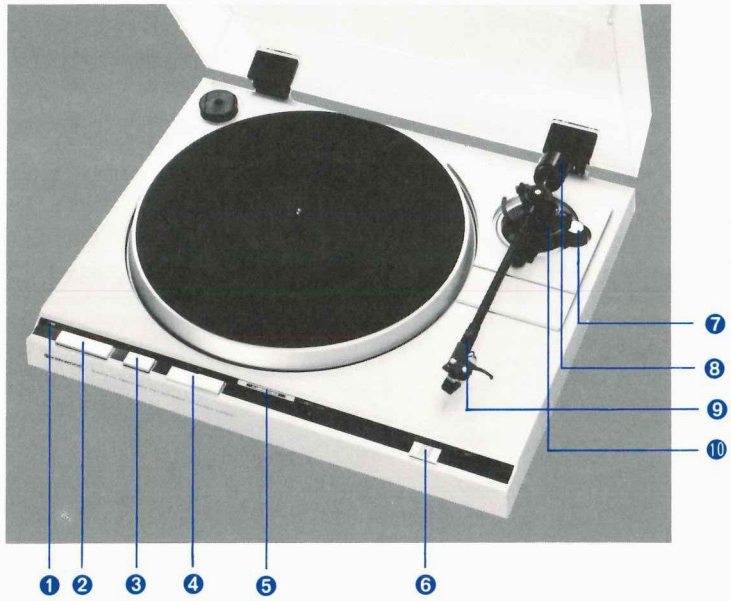
- Wow-and-flutter **0.03%** (WRMS)
- Rumble **−73dB** (DIN wtd)

both models. But both models possess another feature that is as important as direct-drive: a low-mass, low-resonance straight type tonearm with gyro-balanced pivot. In this new design, Kenwood engineers have succeeded in solving two difficult problem areas of any tonearm — but particularly of tonearms in this price range. These problems are resonance and trackability, both inhibiting the reproduction of sound.

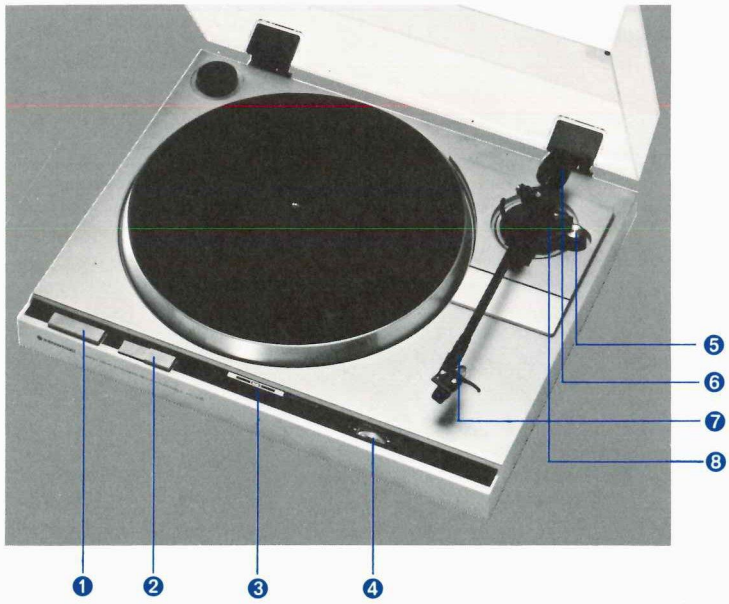
One more attractive point should not be overlooked: they are designed to fit into a prematched Kenwood system that includes a choice of amplifiers, tuners and cassette decks, in custom-designed system racks. Therefore, for the newcomer to hi-fi, these turntables offer the easy way to separate-component system building, with all the benefits of matching performance and design plus the great advantage of freedom of choice.

Here's a run-through of the main sales points and features of these two highly competitive turntables.

Operating Features



❶ LED start indicator
❷ Start/Stop switch
❸ Repeat switch
❹ Speed selector
❺ Quartz-lock indicator
❻ Disc size selector
❼ Dial-type anti-skating
❽ Direct-readout stylus pressure adjustor
❾ Low contact loss headshell connector
❿ Oil-damped cueing control



❶ Cut switch
❷ Speed selector
❸ 3-LED speed indicator
❹ Speed adjustor
❺ Dial-type anti-skating
❻ Direct-readout stylus pressure adjustor
❼ Low contact loss headshell connector
❽ Oil-damped cueing control

Specifications

	KD-50F	KD-40R
MOTOR & TURNTABLE		
Drive System	Quartz-PLL Direct-Drive.	Direct-Drive.
Motor	Quartz-PLL Coreless Motor (For Platter Drive), 12-Pole, AC Geared Motor (For Automatic Functions)	DC Servomotor
Turntable Platter	31cm (12-3/16 inch) Diameter, Aluminum Alloy Die-Cast.	31cm (12-3/16 inch) Diameter, Aluminum Alloy Die-Cast.
Speeds	2 Speeds, 33-1/3 and 45rpm.	2 Speeds, 33-1/3 and 45rpm.
Speed Control Range		Within ±3%
Wow & Flutter	Less than 0.025% (WRMS)	Less than 0.03% (WRMS)
Rumble	DIN weighted better than −75 dB	DIN weighted better than −73 dB
TONEARM		
Type	Static-Balance Type, Straight Tubular Arm.	Static-Balance Type, Straight Tubular Arm.
Effective Tonearm Length	225mm (8-7/8 inch)	225m (8-7/8 inch)
Overhang	15mm (9/16 inch)	15mm (9/16 inch)
Tracking Error	±1.5 Degrees	±1.5 Degrees
Stylus Pressure Variable Range	0 to 3 grams	0 to 3 grams
Usable Cartridge Weight	4 to 10 grams (with supplied headshell)	4 to 10 grams (with supplied headshell)
CARTRIDGE		
(U.S.A., Canada and U.K. Models are not equipped with the V-50 Cartridge.)		
Furnished Cartridge	V-50 (Moving Magnet Type)	V-50 (Moving Magnet Type)
Stylus	N-50 with 0.7 mil Diamond	N-50 with 0.7 mil Diamond
Frequency Response	20Hz to 20kHz	20Hz to 20kHz
Output Voltage	2.5 mV (1kHz, 5cm/sec.)	2.5 mV (1kHz, 5cm/sec.)
Optimum Tracking Force	1.5 to 1.8 grams	1.5 to 1.8 grams
Load Impedance	47k ohms	47k ohms
Replacement Stylus	N-50	N-50
ADDITIONAL FEATURES	Full-Automatic Tonearm System (Automatic Lead-in/Return/Cut/Repeat), Illuminated Quartz-Lock & Play Indicators , Anti-Skating Device, Oil-Damped Cueing Device, Disc Size Selector, 45rpm Adaptor Stand, Stylus Pressure Direct Readout Counter, Built-in Insulators.	Auto-Return/Cut Tonearm System, Speed Adjustment Control with 3 LED Indicators, Anti-Skating Device, Oil-Damped Cueing Device, 45rpm Adaptor Stand, Stylus Pressure Direct Readout Counter, Built-in Insulators.
MISCELLANEOUS		
Power Requirements	AC 120V, 60Hz (U.S.A. and Canada Models) AC 240V, 50Hz (U.K. Model) AC 120V/220 – 240V, 50/60Hz (Switchable) (Other Countries)	AC 120V, 60Hz (U.S.A. and Canada Models) AC 240V, 50Hz (U.K. Model) AC 120V/220 – 240V, 50/60Hz (Switchable) (Other Countries)
Power Consumption	10.0 watts	8.0 watts
Dimensions (W × H × D)	W 440mm (17-5/16) H 130mm (5-1/8) D 373mm (14-3/4)	W 440mm (17-5/16) H 130mm (5-1/8) D 373mm (14-3/4)
Weight	4.8kg (10.6lbs)	4.6kg (10.1lbs)
SUPPLIED ACCESSORY	45rpm Adaptor	45rpm Adaptor
CABINET		
Material	Construction of cabinet is an Anti-Resonance Base (ARB) with injection molded resin bottom cover. ARB is injection molded from polypropylene, calcium carbonate and other materials.	Construction of cabinet is an Anti-Resonance Base (ARB) with injection molded resin bottom cover. ARB is injection molded from polypropylene, calcium carbonate and other materials.

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

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A product of

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