

**PRESS
INFORMATION**

 **KENWOOD**

The new L-03DP laser compact disc player. Master-quality reproduction of digitally encoded compact discs.

**PROTOTYPE DIGITAL
AUDIO DISC PLAYER**

L-03DP

The L-03DP is a newly designed laser disc player for the next generation of 60-minute-a-side compact discs. With this system, the technical problems associated with previous digital signal conversion processes have been eliminated entirely. Digitally encoded music signals are transferred intact by the L-03DP to the player's output without any restrictions and without any perceptible deterioration in original signal quality. Now, with recent advances in semiconductor laser technology, the compact disc has already become the new standard for recorded music.

The new laser disc technology offers ideal advantages. There is absolutely no mechanical intervention in the original master recording process, which dispenses with elements such as heads, tape, cartridge and the disc-cutting process. Inserted into the L-03DP like computer floppy discs are loaded, the compact disc is tracked by laser beam and digitally decoded.

The resulting audio specifications bear little relation to those we are currently accustomed to. Signal-to-noise measures 90 dB. Total harmonic distortion is less than 0.03% from 20 Hz to 20 kHz. Wow-and-flutter is so low that it is unmeasurable. And channel separation measures 60 dB. Reproduced music now achieves a precision that mirrors the original recording.

Kenwood has also incorporated many convenience-features into the L-03DP, based on a 8k-bit microcomputer. RANDOM ACCESS search, track selection, random track programming etc. are merely pushbutton operations.

The L-03DP is an advanced product that will be accessible to a great many people. It sets a new level in Kenwood's decades-long involvement in the art of music reproduction.



Prototype Digital Audio Disc Player L-03DP

High-grade automatic functions via 8k-bit microcomputer

- **Random access** to music track number or movement (index) designation
- **8-track programme memory** with clear function and auto-play
- **NEXT PLAY** designates any succeeding track for play according to number of presses
- **Play-Pause** function puts deck in play stand-by mode for any track
- Ultra-high-speed random access to any spot on 60-minute disc side within seconds
- **Repeat** play of from 1 to 8 tracks

Kenwood's original Sigma Drive circuitry

A unique circuit placed after digital-to-analogue conversion, Sigma Drive permits low-impedance drive throughout the frequency range, compensates for signal loss in connection to Kenwood amplifier.

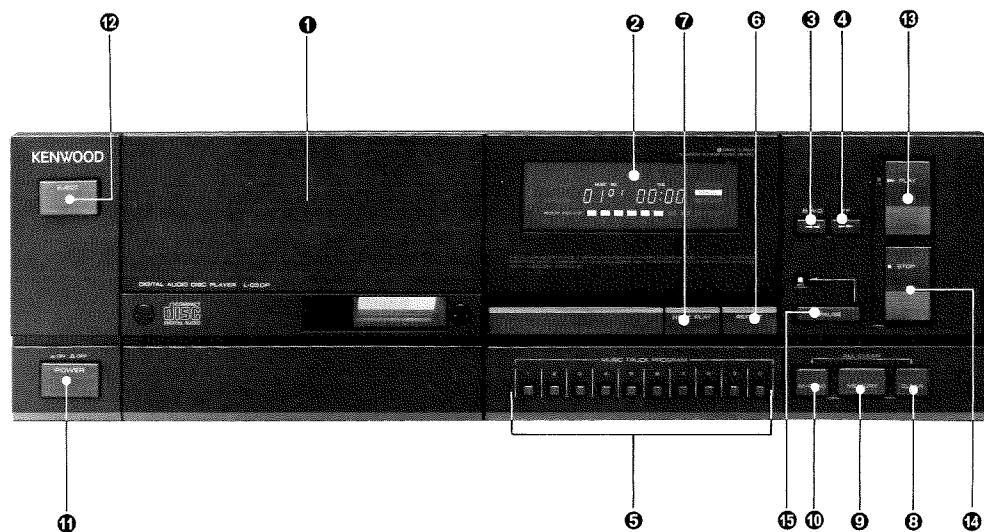
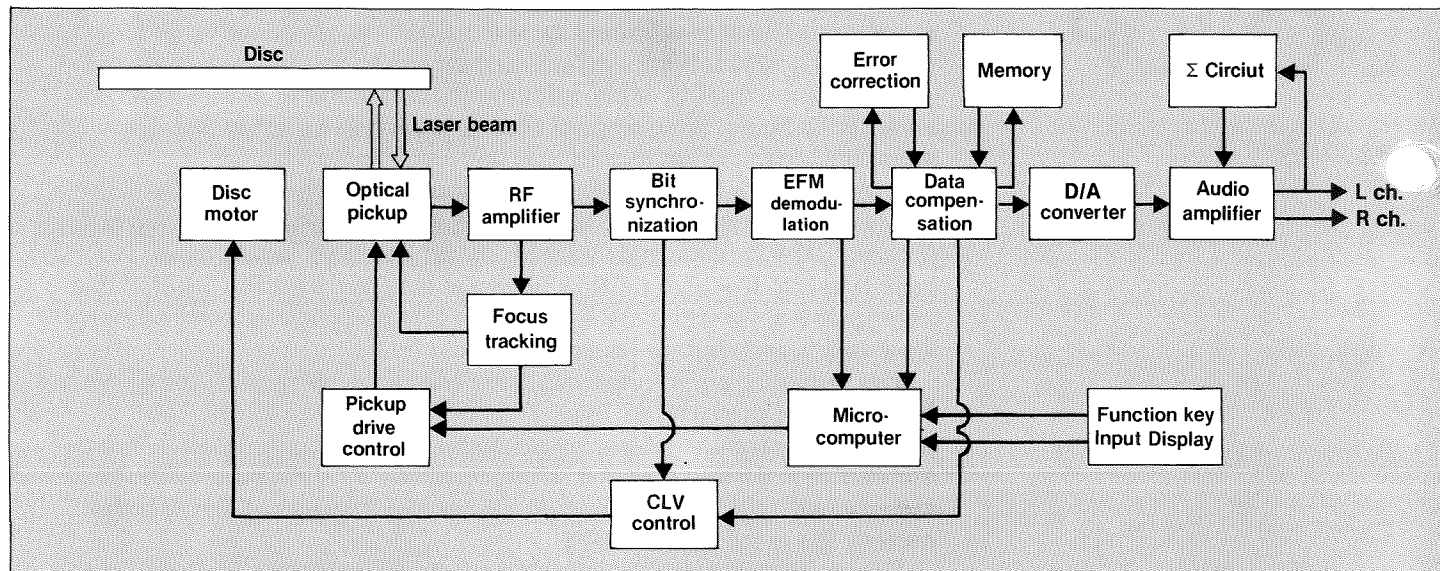
Fluorescent display

Shows track number, index and real-time track play time, memory program, auto and manual play modes, memory activation, program search and error indication.

Disc pocket loading

Compact discs are loaded like computer floppies. The pocket opens automatically, closes manually.

BLOCK DIAGRAM OF COMPACT DISC PLAYER



- ① **DISC POCKET** (slot where discs are inserted and taken out; opens automatically and is closed manually)
- ② **FLUORESCENT DISPLAY TUBE** (separate pattern)
- ③ **BACKWARD (BWD)**
- ④ **FORWARD (FWD)**
- ⑤ **NUMERICAL INPUT KEY SWITCHES** (for entering track numbers and index input) 0—9
- ⑥ **REPEAT** (repeat play)
- ⑦ **NEXT PLAY** (play of following track)
- ⑧ **CLEAR** (correction)
- ⑨ **MEMORY** (data memory writing)
- ⑩ **READ** (memory channel data readout)
- ⑪ **POWER**
- ⑫ **EJECT**
- ⑬ **PLAY**
- ⑭ **STOP**
- ⑮ **PAUSE**

Specifications

S/N ratio (Dynamic Range)	90 dB
THD, 20 Hz — 20 kHz	0.03%
W/F	≈0 (Quartz crystal precision)
Separation	60 dB
Frequency response	20 Hz — 20 kHz
	±0.5 dB
Stylus life	Non-contact and semi-permanent, over 5,000 hours

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

A product of
TRIO-KENWOOD CORPORATION
 Shionogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku, Tokyo 150, Japan