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Laboratory Standard Series

LUXMAN STEREO CASSETTE DECK

A New Generation from Lux – Ultimate Fidelity Cassette Deck with Provisions
for Use of Metal Particle Tape Featuring Realtime Processed DC Amp!!

K-12



ULTIMATE HIGH FIDELITY STEREO COMPONENTS

LUXMAN

[FEATURES]

1) Realtime Processed DC Amp

Unlike most quality cassette decks in the marketplace using conventional AC amps, our exclusive "realtime processed" DC amps are employed in both recording and playback circuits, which, in direct combination with Sendust alloy head, makes it possible to realize our acclaimed ultimate fidelity sound reproduction.

2) Precision Tape Transport System with Sendust Alloy Heads

The pure Sendust record and playback head which is capable of handling even the latest metal particle tape not only improves frequency response, phase and wear characteristics, but ensures unequalled sonic excellence in combination with DC amp circuitry. Also a specially engineered large erase head is provided for use of metal particle tape.

The exclusive motor for the reel base which drives the take-up reel during "PLAY" time, keeps the capstan motor immune from torque vibration, thus preventing rotation irregularity and providing a sufficient amount of back tension.

At the capstan, the servo motor controlled by FG frequency of 38 pulses per rotation is driven by an exclusive IC. Electrical and mechanical noises are perfectly removed by means of anti-vibration rubber and a 3-fold magnetic shield structure.

3) Electronic Digital Tape Counter (Pat. Pend.)

Electronic digital display is made by a 4-digit, 7-segment LED. Lux's exclusive cassette hub makes it possible to read exact time used for recording or play back in terms of minutes and seconds.

4) Plasma Level Meter

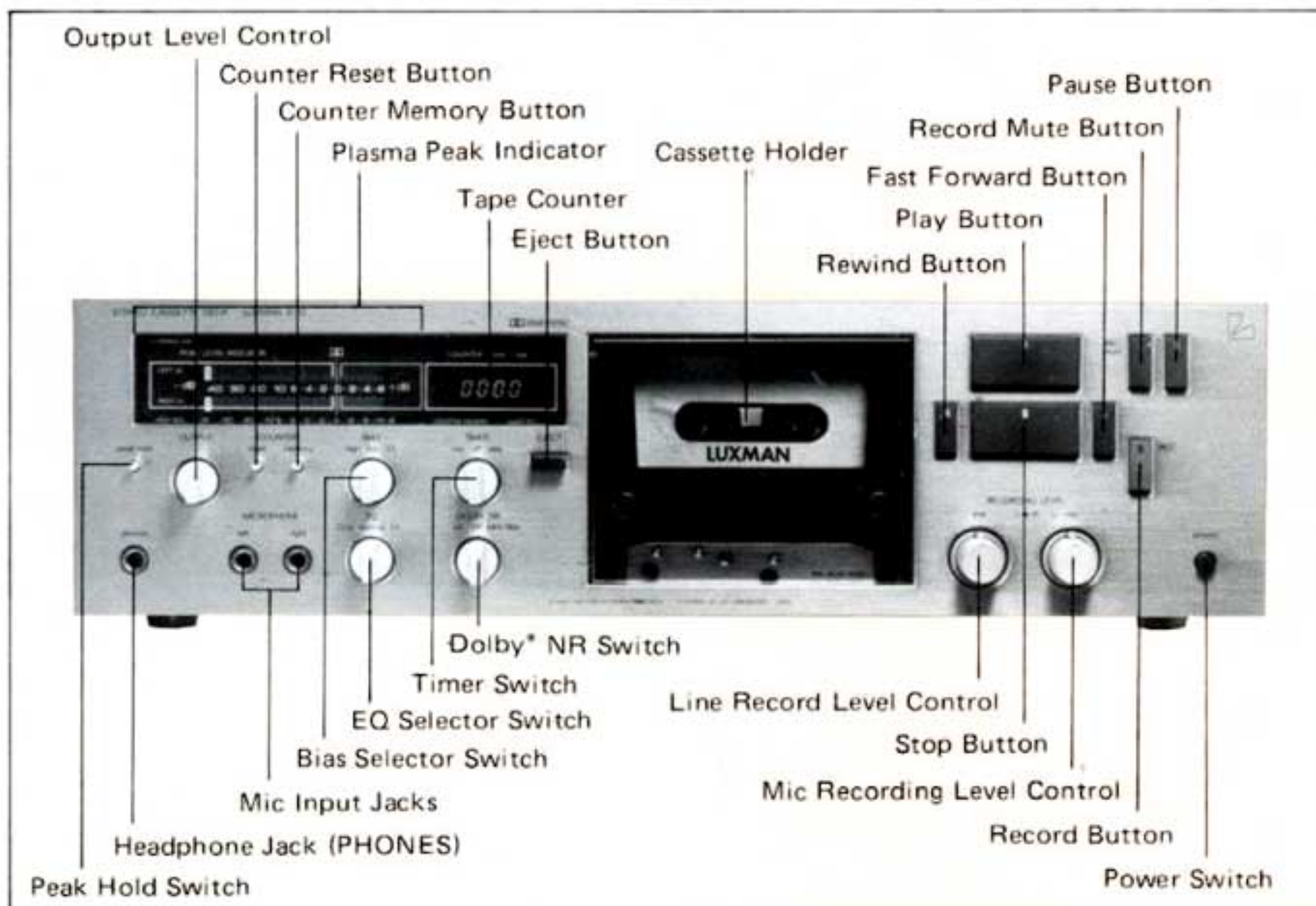
The eye-catching plasma display featuring fluorescent green tubes, unlike conventional mechanical VU meter, ensures instantaneous response to the recording signals, enabling the user to set up an appropriate recording level. The peak level can be retained within the range of $-4\text{dB} \sim +6\text{dB}$. (+10dB at high MOL for metal tape).

5) Full IC Logic Transport Control

Unlike mechanical mode control, smooth, feather-touch operation is ensured by means of a full IC logic circuit. For easy and convenient operation, the result of human engineering is fully taken into account as to placement of the control buttons.

Other Features:

- A) Dolby[®]Noise Reduction System
- B) Recording Mute Device
- C) Mike Mixing Circuit
- D) Memory Rewind
- E) Bias/Equalization Selector for normal, CrO₂ and metal particle tapes (EX)
- F) Headphone Jack
- G) All-Mode Remote Control Facility (Remote Control Box optionally available)
- H) Timer Recording/Playback (by external timer)



LUX's Exclusive Cassette Tape has the following features:

- (1) SKEW adjustment facility to obtain the optimum azimuth and tilt position.
- (2) Wide pad and new holding mechanism to provide constant pressure for stable frequency response.
- (3) 4-guideroller system to prevent torque loss, offering constant backtension.
- (4) High precision roller with reflection plate to enable to read realtime with our decks Models 5K50 and K-12.

For complete information, ask your nearest LUX dealer.

SPECIFICATIONS

Heads:	2 heads (sendust) Record/Playback Head x 1 Erase Head x 1
Drive Motor:	2 motors Capstan drive Reel drive FG servo motor x 1 Electronic governor motor x 1
Wow & Flutter:	no more than 0.04% (W.R.M.S.)
Signal-to-Noise Ratio:	better than 60dB (DOLBY [®] OFF) metal tape better than 69dB (DOLBY ON) metal tape better than 56dB (DOLBY OFF) CrO ₂ tape better than 65dB (DOLBY ON) CrO ₂ tape better than 53dB (DOLBY OFF) LH tape better than 63dB (DOLBY ON) LH tape
Frequency Response:	30 - 21,000Hz ±3dB (metal tape) 30 - 20,000Hz ±3dB (CrO ₂ tape) 30 - 16,000Hz ±3dB (LH tape)
Overall Distortion:	no more than 1.2% (LH tape, 1kHz, 0dB)
Real Analyzed Distortion:	no more than 0.3% (LH tape, 1kHz, 0dB)
Input Sensitivity/Impedance:	line in; 100 mV/50k ohms mic.; 0.25 mV/50k ohms DIN.; 30 mV/ 1k ohms
Output Level/Impedance:	line in; 580 mV/220 ohms headphone 1 mW (8 ohms load)
Additional Features:	REC. MUTE function, Digital Tape Counter, 3-position Biās/Equalizer Selector (CrO ₂ , normal, EX), Plasma Peak Indicator with Peak Hold function, Timer Recording/Playback function, Dolby Noise Reduction system, Headphone Jack, Remote Control (available with optional remote control box. In this case, auto-rewind and auto-play operations are feasible.)
Dimensions:	438(W) x 370(D) x 126(H)mm (17-1/4" x 14-9/16" x 4-31/32") (including Legs, Rear Protrusions & Knobs)
Weight:	Net 10.5 kgs (23.1 lbs.) Gross 12.0 kgs (26.4 lbs.)

Specifications and appearance design subject to change without notice.

*Dolby is the trademark of Dolby Laboratories, Inc.

LUX CORPORATION, JAPAN

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