LUXMAN

SUPER AUDIO CD PLAYER

D-100 CENTENNIAL



Breathtaking exhilaration and the pulse of music — A milestone in evolution, engraved in sound.

Just as there are vistas that can only be seen once you reach the summit,
there exists a musical landscape that only a truly pinnacle source component can reveal.

From the most delicate pianissimo to the heroic fortissimo,
the D-100 CENTENNIAL reproduces music with finely shaded gradations and a cantabile richness filled with life and emotion.
Its solid mechanical construction, state-of-the-art digital circuitry,
and LUXMAN's uniquely evolved analog technology—
centered around the further refined LIFES amplification feedback engine,
all work together to support an expression of exceptional musicality.

With every element renewed and perfection pursued to the extreme,
a new flagship worthy of this historic milestone has been born.

Now, the D-100 CENTENNIAL conveys the heartbeat of music and creates an expansive, breathtaking soundstage.



SUPER AUDIO CD PLAYER

D-100

CENTENNIAL

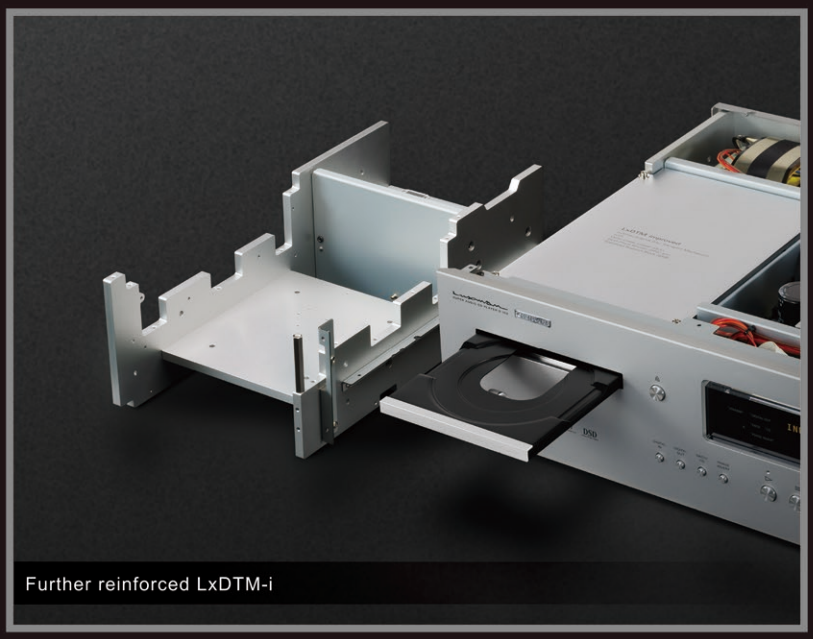












Further reinforced LxDTM-i

Robust Disc Drive Mechanism: LxDTM-i

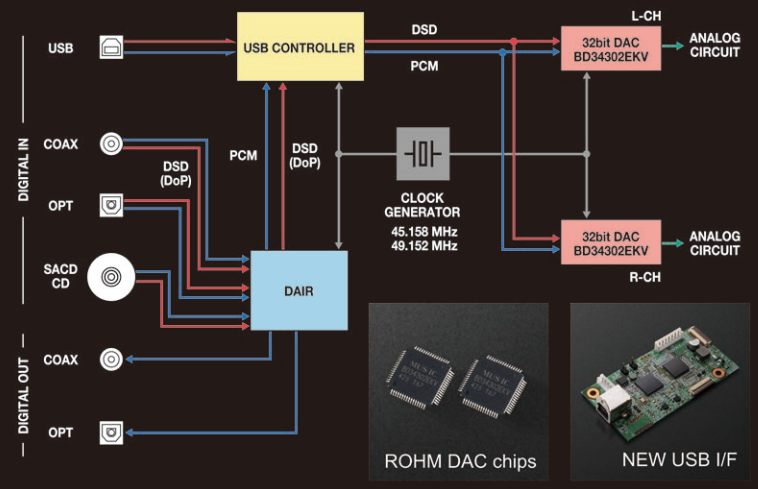
To read musical signals from the invaluable disc libraries accumulated by countless audio enthusiasts with even greater precision, LUXMAN has further evolved its original highly rigid disc transport mechanism, LxDTM-i*. A robust box structure encloses the delicate rotating mechanism, combining 8mm-thick aluminum side frames, a 5mm-thick steel top plate and a newly added 8mm-thick aluminum base plate. By directly integrating the transport mechanism with the main chassis in a unified structure, the design achieves unwavering strength, confidently isolating external vibrations. Continuing the approach introduced with the D-10X, the D-100 CENTENNIAL adopts a left-side mechanical layout, ensuring sufficient space for the large-scale analog output circuitry while enabling the ideal shortest signal path. Wiring routes have been further optimized to match the latest circuit configuration. The disc tray is also equipped with a dust-proof shutter, enhancing quiet operation and delivering the smooth, elegant motion expected of a true flagship model.

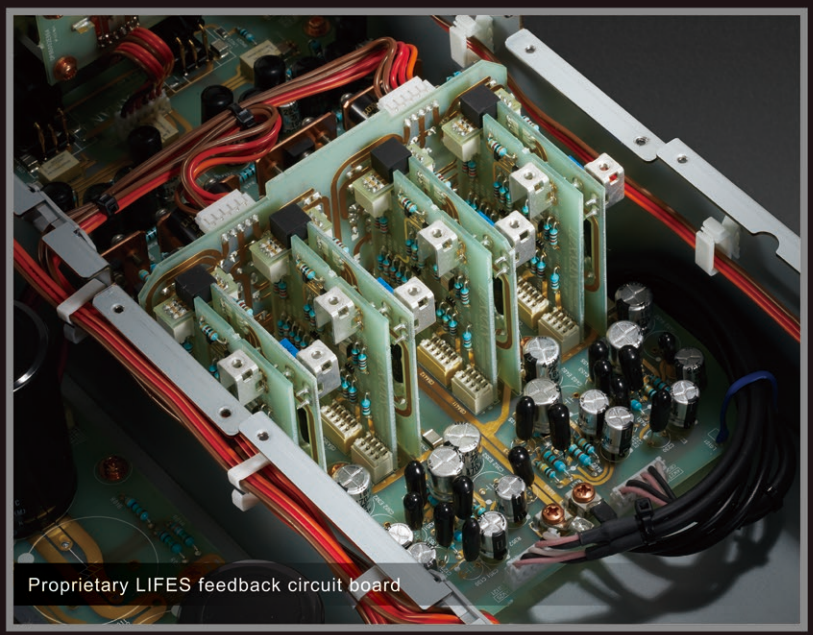
*LxDTM-i stands for Luxman original Disc Transport Mechanism – improved.

Latest Reference-Class Digital Signal Processing

At the heart of the digital processing stage beats a pair of ROHM's latest and highest-grade BD34302EKV DAC chips in a dual-mono configuration. Newly implemented sound-quality enhancement logic at the IC level, together with LUXMAN's thorough analog circuit approach, delivers a major leap in performance in the digital-to-analog conversion stage. Via USB input from network transports such as the NT-07 or from Windows PC/Mac sources, the D-100 CENTENNIAL supports ultimate playback specifications of up to PCM 768kHz/32-bit and DSD 22.5MHz/1-bit. For legacy CD players and other digital sources, S/PDIF (COAX/OPT) inputs support up to PCM 192kHz. During USB data transmission, in addition to isochronous communication, users may install LUXMAN's dedicated driver software (provided free of charge) to enable Bulk Pet transfer (4 modes), which equalizes processing load and achieves superior sound quality. Furthermore, the DAC's built-in filters allow users to select their preferred tonal character, there are 3 filter options for PCM playback and 2 filter options for DSD playback.

D-100 CENTENNIAL Digital Circuit Conceptual Diagram





Proprietary LIFES feedback circuit board

Analog Output Circuit Featuring LIFES 1.1 Feedback Engine

The analog output stage of the D-100 CENTENNIAL is the first disc player product to incorporate LUXMAN's completely renewed LIFES amplification feedback engine, developed over 20 years of refinement as LUXMAN's core amplifier technology, ODNF. LIFES inherits the fundamental philosophy of ODNF: feeding back only distortion components generated during amplification, achieving excellent measured performance while preserving the natural musicality of a non-feedback design. Through exhaustive circuit simulation, the entire architecture and component selection were fundamentally reexamined, resulting in a simpler and more ideal amplification circuit. In the D-100 CENTENNIAL, distortion is further reduced by parallel-connecting the input stage of the differential detection amplifier, enabling the latest evolution: LIFES version 1.1. This advanced circuitry delivers the profound depth and rich musical performance that only a true flagship can achieve.

*LIFES: Luxman Integrated Feedback Engine System
*ODNF: Only Distortion Negative Feedback



A front panel featuring sharply slanted edges

Exclusive Exterior Finish Symbolizing the Flagship Series

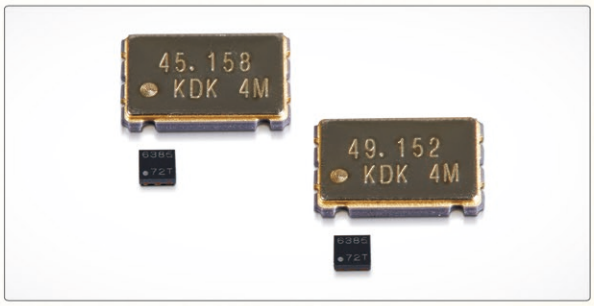
The front panel of the D-100 CENTENNIAL features a glossy chrome-plated “CENTENNIAL” nameplate, signifying its status as a 100th Anniversary commemorative model. Its bold yet refined chassis design—expressing a distinctive “waistline” between the massively slanted thick front panel and the bonnet—embodies the overwhelming presence and musical sophistication of LUXMAN’s flagship lineage alongside the C-10X and M-10X.

High-Resolution OLED Display with Superior Visibility

The D-100 CENTENNIAL introduces a newly developed large high-definition OLED display, expanding the display area by approximately 70% compared to the D-10X. It clearly presents a wide range of information, including track details and elapsed time, source format, filter settings and playback modes. Additional features include 4-level dimmer function, 4 times zoom mode for enhanced long-distance visibility and automatic brightness reduction.



An OLED display with zoom capability



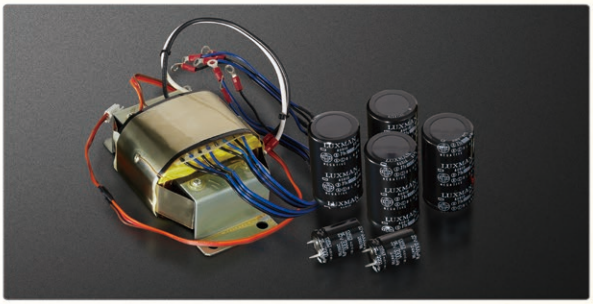
A newly adopted large crystal oscillator and oscillation control IC

Clock Circuit for Ultra-Precise Data Transmission

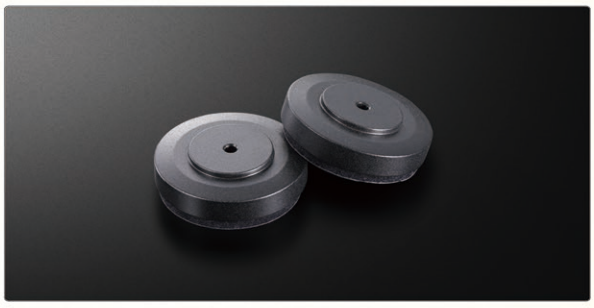
Two newly developed clock circuits are employed, combining ultra-low phase-noise oscillator ICs and large crystal oscillators. This design reduces noise around the oscillation frequency, achieving extremely high precision and low jitter. For USB input, asynchronous communication is managed by a dedicated DSP, while for S/PDIF input, LUXMAN’s integrated DAIR system provides high-accuracy clock control. By selecting the optimal low-jitter function for each input, the D-100 CENTENNIAL pursues the highest-quality digital signal transmission.

Highly-Regulated Power Supply Supporting Ultimate Sound Quality

The D-100 CENTENNIAL incorporates LUXMAN’s traditional highly stable power supply design, combining a CI-core power transformer, independent left/right rectification circuits, regulators and a bank of 40,000μF high-capacity filter capacitors. This ensures pure, powerful, and stable power delivery. In addition, numerous sound-quality-first specifications are adopted, including peel-coated circuit boards free from resistive influence and OFC internal wiring.



A large-capacity power transformer and filter capacitors



Density gradient insulator legs

Premium Terminals and Cast-Iron Insulator Legs

The analog RCA output terminals employ LUXMAN’s original highly rigid design, available only on upper-tier models, mounted with a generous 22mm pitch to accommodate large, high-end cable connectors. XLR terminals are manufactured by the highly regarded Neutrik brand. The chassis is supported by cast-iron, density gradient insulator legs, protecting the unit from external vibrations transmitted through the supporting surface and suppressing unwanted internal resonance.

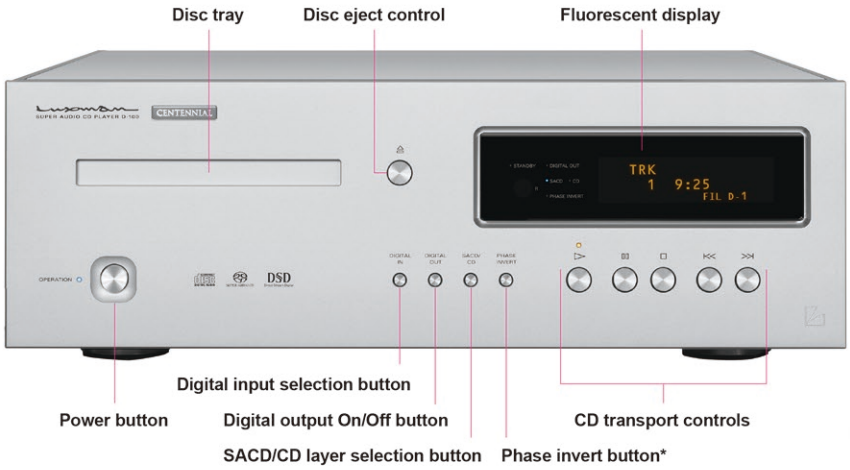
AC Inlet Terminal and Premium Remote Control

The AC inlet’s structure has been improved to support the weight of heavy power cables by reversing the mounting, suppressing any movement of the power cable while maintaining a stable grip. A slim, premium aluminum remote control with numeric keypad is also included for excellent operability.

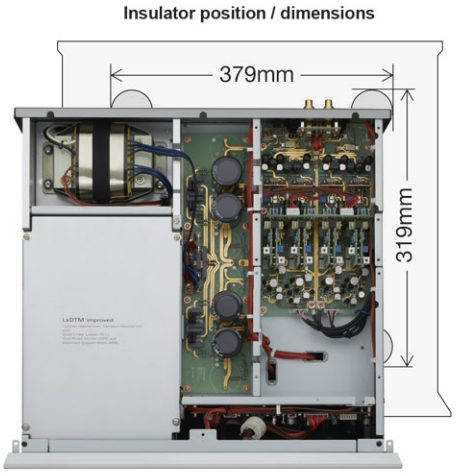


Ergonomic aluminum remote control

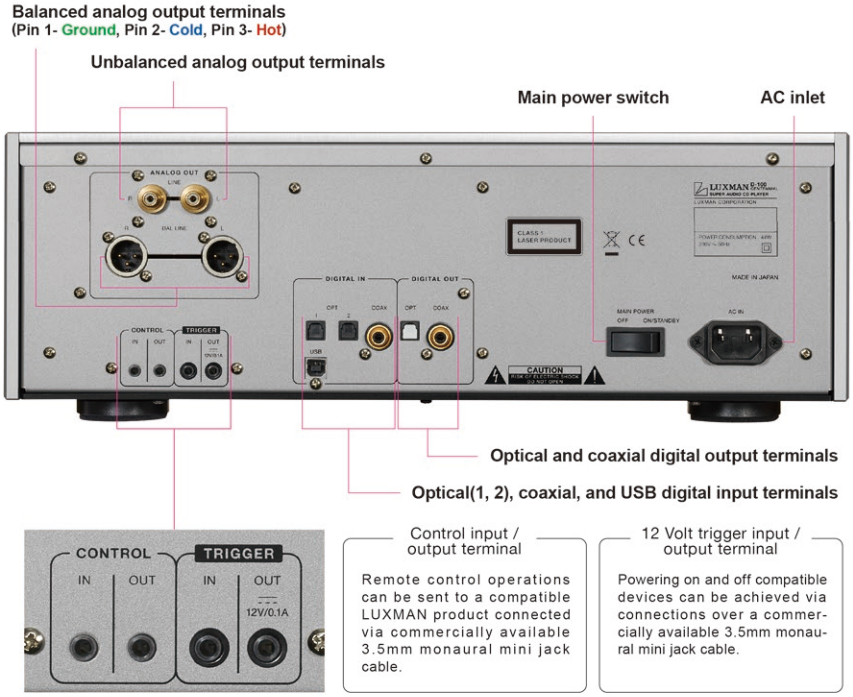
D-100 CENTENNIAL SUPER AUDIO CD PLAYER

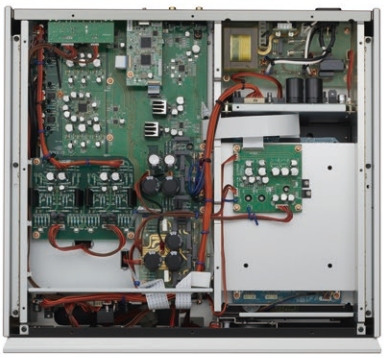






Internal configuration (Upper side)





Internal configuration (Bottom side)

Control input / output terminal

Remote control operations can be sent to a compatible LUXMAN product connected via commercially available 3.5mm monaural mini jack cable.

12 Volt trigger input / output terminal

Powering on and off compatible devices can be achieved via connections over a commercially available 3.5mm monaural mini jack cable.

SPECIFICATIONS

Supported discs	2 channel SACD, CD
Supported sampling frequencies	USB input (PCM) : 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz, 352.8 kHz, 384 kHz, 705.6 kHz, 768 kHz (16, 24, 32-bit) USB input (DSD) : 2.8 MHz, 5.6 MHz, 11.2 MHz, 22.5 MHz (1-bit) Coaxial / Optical input : 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz (16, 20, 24-bit), 2.8 MHz (DoP)
Analog output voltage / impedance	Unbalanced : 2.4 V / 300 Ω, Balanced : 2.4 V / 600 Ω For SACD / DSD : 2.3 V
Frequency response	CD / COAX / OPT : 5 Hz to 20 kHz (+0, -0.5 dB) SACD : 5 Hz to 38 kHz (+0, -3.0 dB) USB : 5 Hz to 58 kHz (+0, -3.0 dB)
Total harmonic distortion	CD : 0.0016 %, SACD : 0.0007 %, USB : 0.0006 %
S/N ratio (IHF-A)	CD : 125 dB, SACD : 125 dB, USB : 125 dB
D/A converter	ROHM BD34302EKV (monaural mode) x 2
Power supply	230 V~(50 Hz) / 115 V~(60 Hz)
Power consumption	44 W
Dimensions	440 (W) x 154 (H) x 420 (D) mm front side knob of 2 mm and rear side terminal of 13 mm included in depth
Net weight	25.4 kg
Accessories	Remote control (RD-21), Power cable

LUXMAN's original playback software

The D-100 CENTENNIAL is supplied with LUXMAN's original high-quality playback software, "LUXMAN Audio Player". It supports a wide range of file formats, including FLAC, ALAC, WAV, AIFF, MP3, DSF, and DSDIFF. Featuring a clean and simple interface, it offers smooth and intuitive operation. The Windows and Mac versions are available as a free download from LUXMAN's official website.



* Pressing the phase invert button allows balanced output terminal pin 2 to change to HOT, and pin 3 to COLD.
* LUXMAN Audio Player (Windows 10 and macOS 10.15 and driver software for Windows can be downloaded from the LUXMAN website.
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LUXMAN

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⚠ Safety Cautions

To ensure correct use of this product, read the "Owner's Manual"prior to use. Failure to follow all safeguards can result in fire,electric shock,or other accidents.