

LUXMAN

SACD/CD Player D-10X

新製品

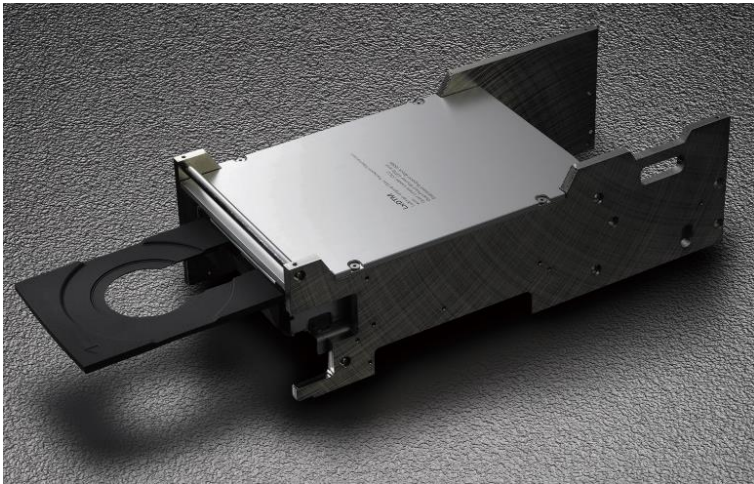
Launch Date : July 2020



- 1.** Newly adopted mechanical layout with highly rigid LxDTM-i transport and support system
- 2.** The first player in the world to feature ROHM's high performance DAC chips PCM768kHz/32bit, DSD22.4MHz/1bit, MQA full decoding support
- 3.** New ODNF-u discrete, fully balanced output amplifiers

「LxDTM-I (Luxman original Disc Transport Mechanism-improve)」

New, robust and original SACD/CD transport mechanism, boasting the highest reading accuracy and rigid construction to eliminate vibration. The mechanism is sandwiched by 8mm thick aluminum side panels spanning from front to rear, the LxDTM featured a robust BOX structure with a 5-mm thick steel top plate.



LxDTM



In the LxDTM-i, the mechanism's mounting system has been updated from the conventional method of mounting on brackets attached to the side frame, the side frame itself has machined slots where the transport mechanism and frame together are firmly bolted together. The result is a highly accurate and stable reading system with unmatched robustness. A dust-proof shutter enables clean and quiet disc operation.

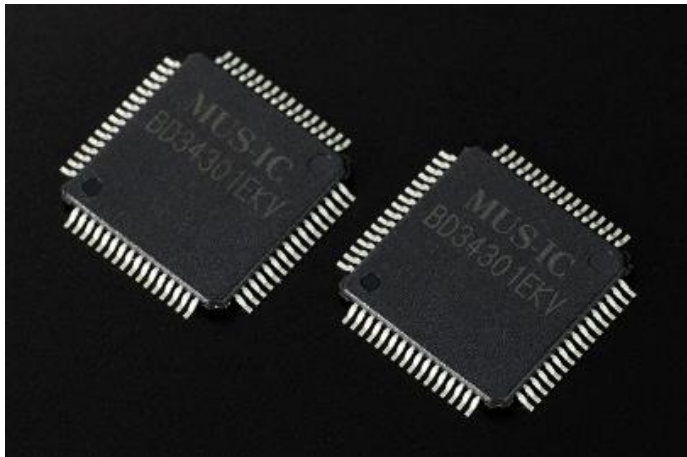


LxDTM-i

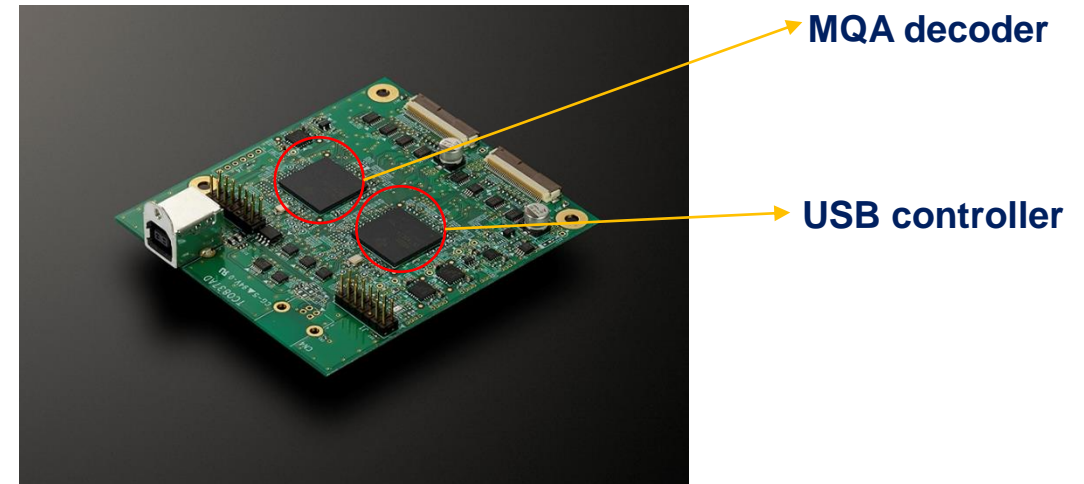
「ROHM's high performance DACs with multi-format support」

Global semiconductor manufacturer ROHM Co., Ltd. (Headquartered in Kyoto) will debut their new, high performance "MUS-IC" BD34301EKV DAC chips for high-end audio. With the highest specifications and the industry's highest quality, low distortion (THD + N-115dB)/ low noise (S/N ratio 130dB), they run in dual monaural mode. Every atmosphere and nuance exemplified by a piece of music is faithfully reproduced for the listener.

The USB input is PCM 768kHz / 32bit • DSD 22.4MHz / 1bit compatible with the highest specifications for high resolution data decoding. Supports MQA (MQA-CD/MQA files) with full decoding. Equipped with a new, high precision, ultra-low phase noise clock module with low jitter that reduces noise near the oscillation frequency.



Monaural mode configured ROHM's DAC BD34301EKV



MQA decoder board

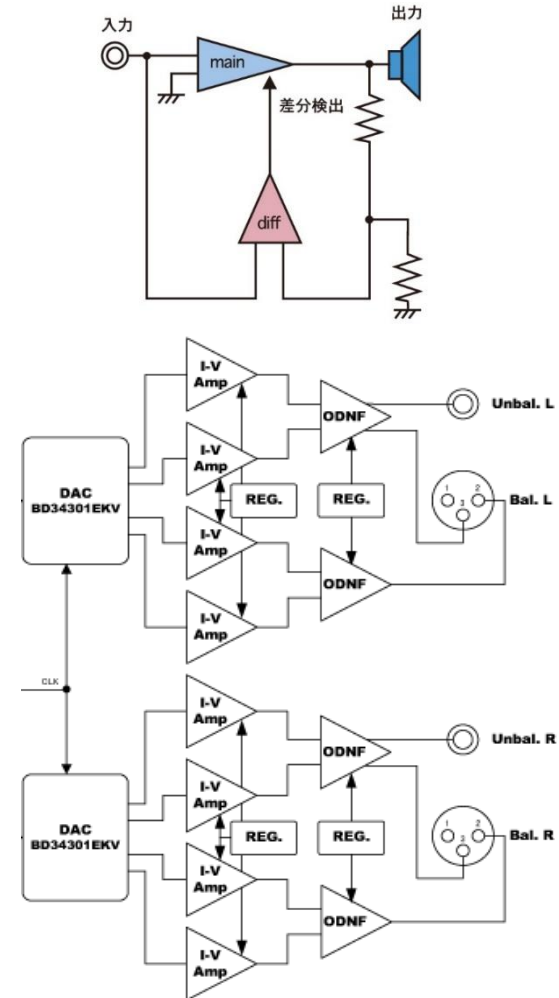
「ODNF-u (Only Distortion Negative Feedback - ultimate)」

ODNF, a unique amplifier circuit, was designed for car audio in 1999. It has been refined since it was first introduced and it is the core of LUXMAN's modern amplifier technology.

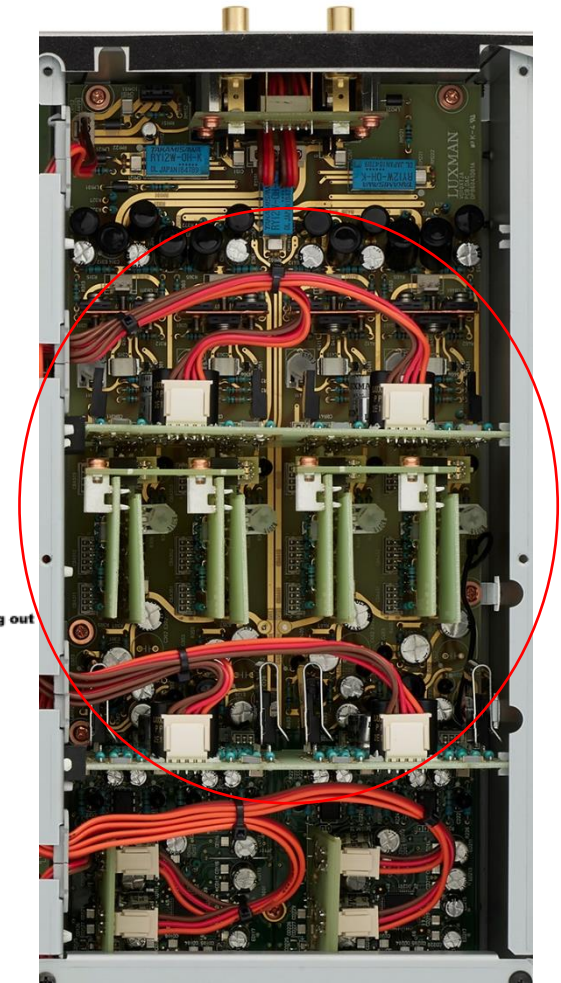
Only detected distorted components of the audio signal are fed back for cancellation without changing the musical components. As a result, it realizes a fresh sound quality, full of dynamism, with an excellent S/N ratio.

LUXMAN's fourth generation ODNF-u has come a step closer perfection. The output of the distortion detection amplifier is set to parallel drive operation, improving the accuracy of distortion detection and keeping the impedance lower.

High-precision DACs operating in dual monaural mode with full differential outputs are fed to balanced I / V conversion circuitry. The ODNF-u system in the following stage has fully balanced discrete output amplifiers. In addition, ODNF-u has high audio clarity over a wide bandwidth, achieving a new level of audio quality.

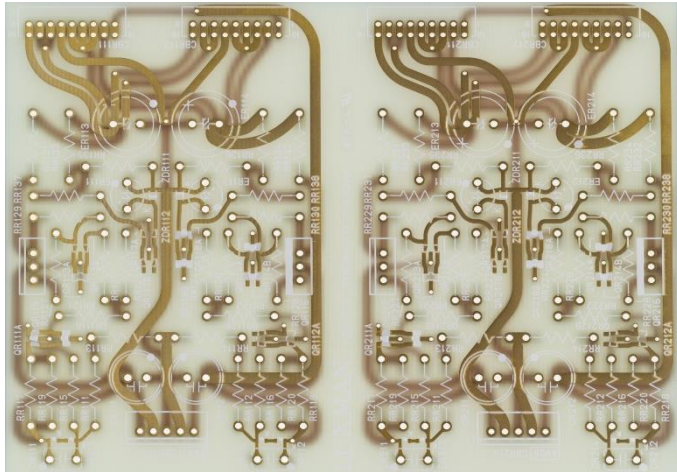


ODNF & ODNF-u block diagram



ODNF-u circuit

We have used new, large power transformers dedicated to audio (27% more capacity compared to conventional ones) and independent regulators for each circuit LUXMAN's traditional, highly stable power supply features large capacity filter capacitors.



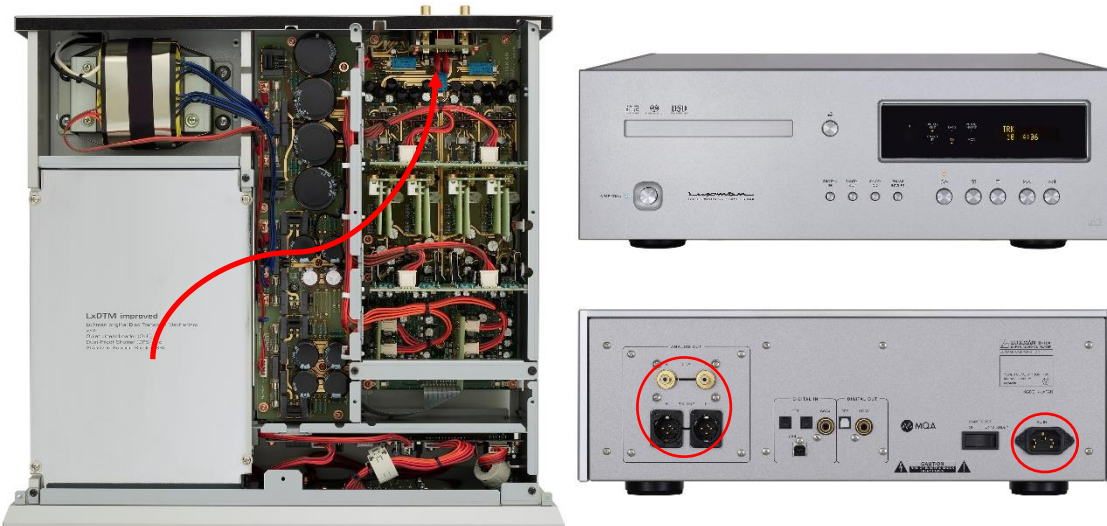
Reduces high-frequency noise components by eliminating resist (coating) with inductance components

High quality copper alloy RCA terminals combine the hardness of brass and the conductivity of copper. Analog output via Neutrik XLR terminals
Digital inputs - USB, two Optical and one COAX Digital outputs - one Optical and one COAX



Fluorescent display improves visibility with a zoom mode (possible hold)

Three color LED indicator displays MQA (MQA-CD / MQA file) decoding status (Studio/Blue Authentic/Green/Renderer/Magenta)



The housing protects from magnetic fields, ground impedance, and digital noise. As countermeasures, we use a composite structure of loopless and shielded chassis components.

Ideal signal path { reading ⇒ conversion ⇒ output, avoiding noise and sources of vibration

The left side mechanical layout, realizes maximum separation between (power supply) and analog output, and has excellent vibration cutout and weight balance

LUXMAN's original software, "LUXMAN Audio Player", enables simple and convenient PC/Mac control operation for this model (Downloadable from Homepage) In addition to normal isochronous transfer, four available Bulk Pet transfer modes realize high audio quality by reducing the processing load.

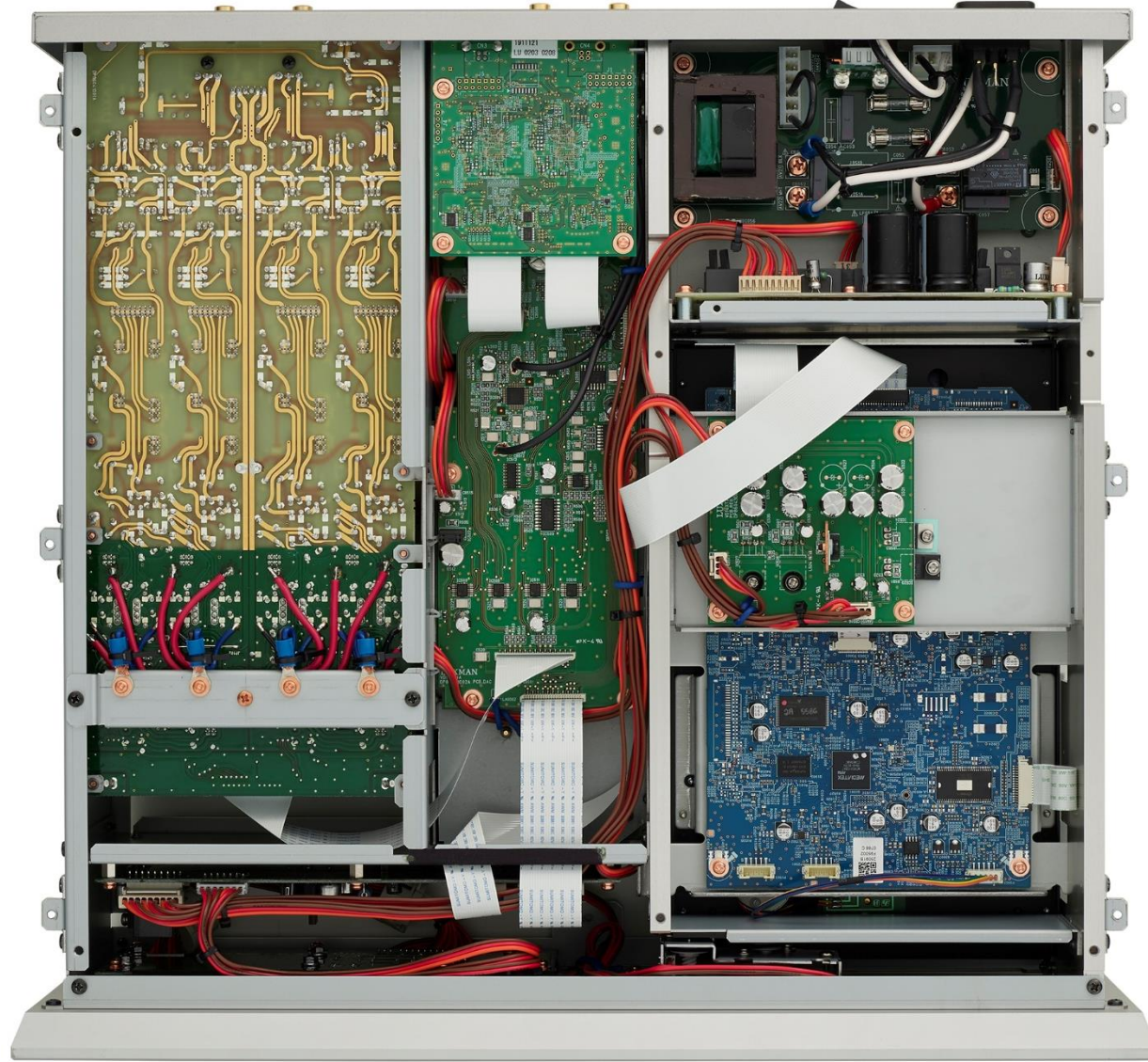


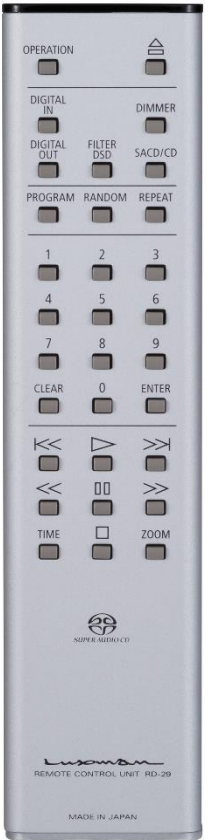
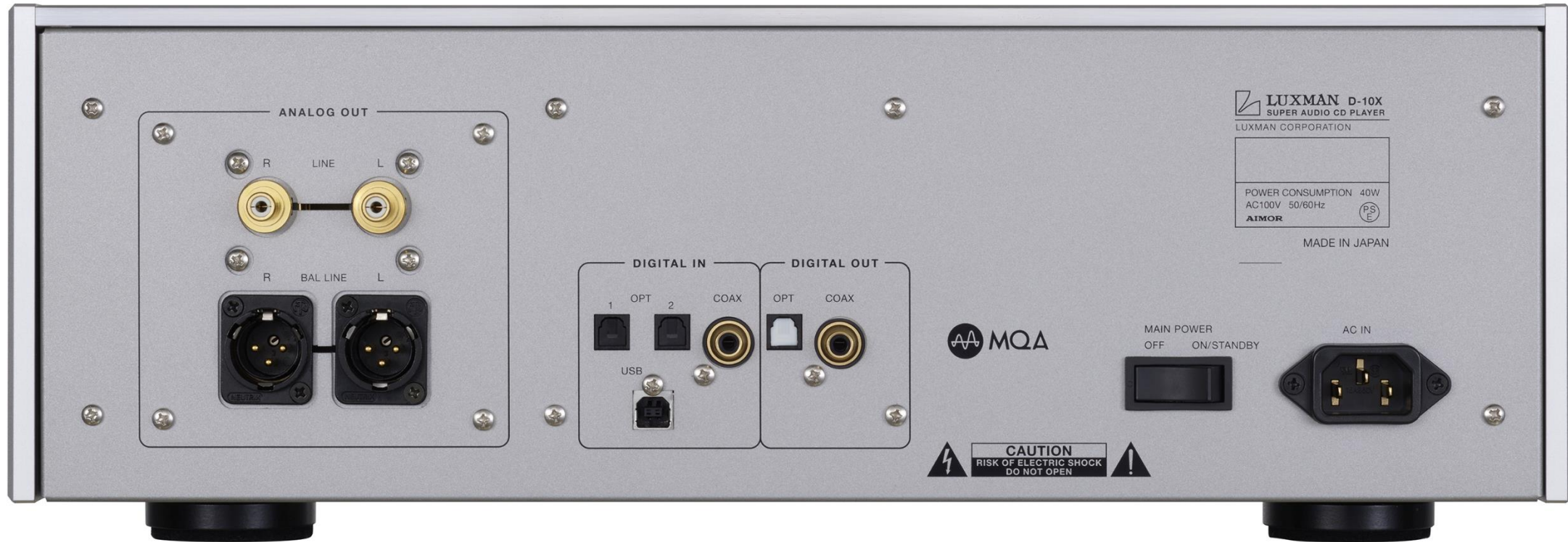
The cast iron isolator feet have a density gradient that protects from vibration enabling the accurate reproduction of the most delicate musical signals

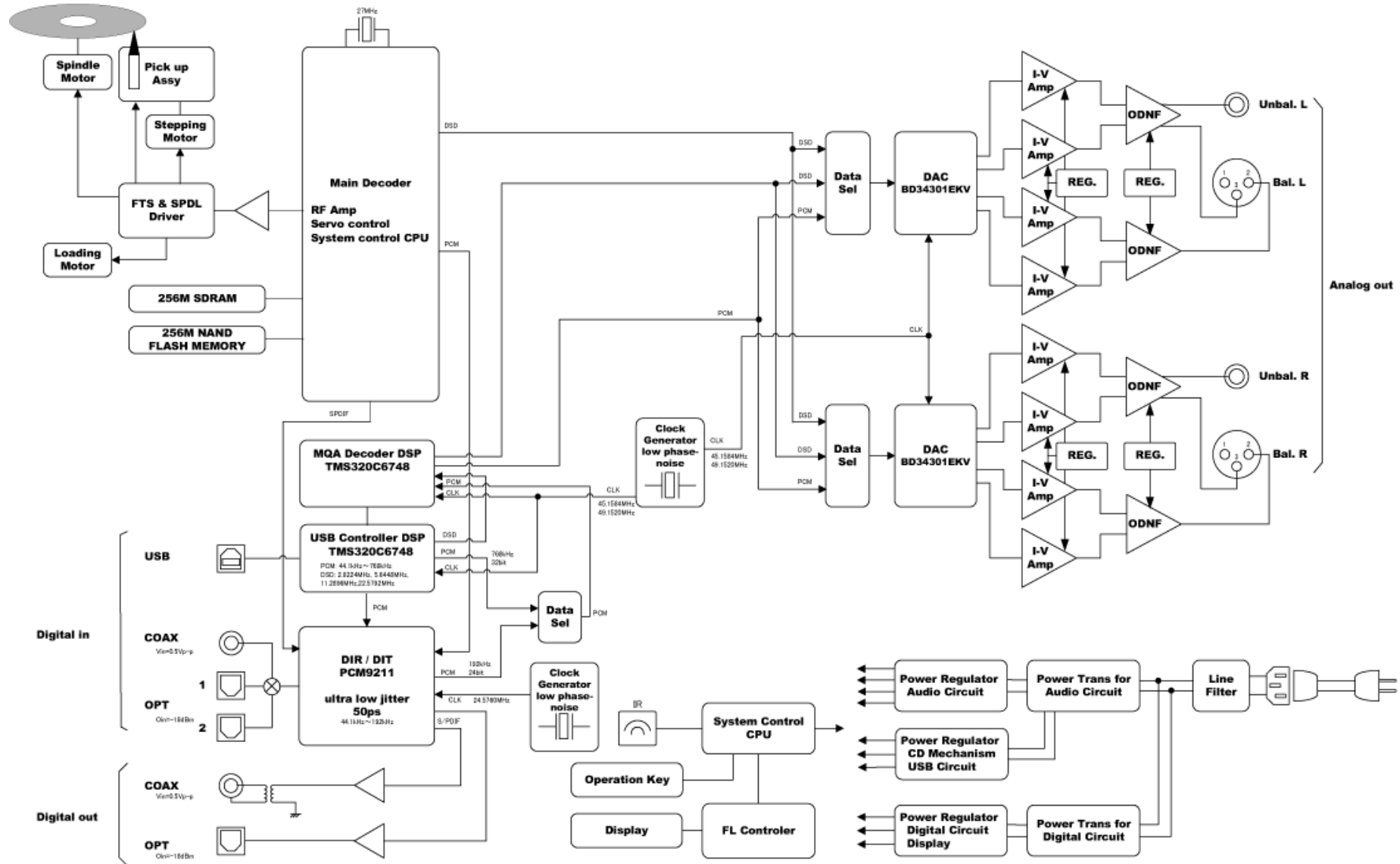
Inner (Top)



Inner (Bottom)







•Supported Media	2 channel CD
•Supported Sampling Frequencies	USB input (PCM):44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384, 705.6, 768kHz(16, 24, 32bit) USB input (DSD):2.8, 5.6, 11.2, 22.4MHz(1bit) COAX/OPT input :44.1, 48, 88.2, 96, 176.4, 192kHz(16, 20, 24bit)
•Analog Output Voltage/Impedance	Unbalanced 2.4V/300Ω, Balanced 2.4V/600Ω, DSD 1.3V
•Frequency Response	CD 5Hz~20kHz(-1.0dB), SACD 5Hz~38kHz(-3.0dB), COAX/OPT/USB 5Hz~47kHz(-3.0dB)
•Harmonic Distortion	CD 0.0018%, SACD 0.001%, COAX/OPT/USB 0.0015%
•S/N Ratio (IHF-A)	CD 125dB, SACD 121dB, USB 125dB
•DA converter	BD34301EKV(monaural) x 2 by ROHM
•Dimensions	440(W)×154(H)×418(D)mm Front side 2mm knobs and rear side 13mm terminals included in depth
•Power Consumption	40W
•Weight	22.4kg (Main unit)