



**DA-250, the latest USB D/A converter compatible with the latest digital format including DSD 5.6MHz with fully-balanced LECUA and high sound quality preamplifier circuit.**

DA-250 is the successor to the DA-200 which launched in 2010 and proved tremendously popular among desktop audio users. LUXMAN's sales team and engineers have continuously listened to end users' comments carefully and exchanged opinions about applications and styles on how best to enjoy the world of PC audio. Now LUXMAN is introducing this new USB D/A Converter DA-250 which is much improved over the DA-200 by focusing on upgrading its sound quality and adding new features & incorporating the latest technology.



# DA Converter DA-250

## [DIGITAL circuit]

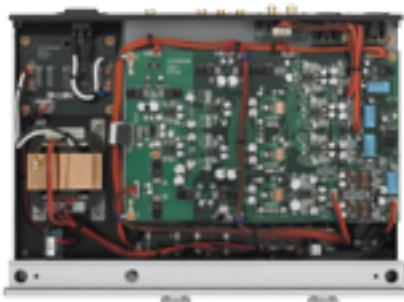
USB input is compatible up to 192 kHz/32bit PCM data and DSDdata (2.8MHz and 5.6MHz). S/PDIF input handles up to 192 kHz/24bit PCM signals. In addition to USB input, the DA-250 has a coaxial input and two optical (Toslink) inputs to enable connection with a CD player and / or Audio Visual equipment.

The TI PCM1795 was selected for the DAC, which contains a 32bit digital filter, digital signals are up-converted internally to 352.8k or 384kHz/32 bit.

Two different kinds of tone filter setting are provided and switchable to your taste (32bit digital filter for PCM and analog FIR filter for DSD).

Low phase noise clock modules are mounted independently on both 44.1 k and 48kHz channels to reduce noise around the oscillating frequency and to generate highly accurate low jitter clock signals.

By using asynchronous communication for the USB input and a DAIR high accuracy clock for S/PDIF, low jitter reduction is possible.



## [ANALOG circuit]

The configuration of D/A converter and high quality pre-amplifier circuit has been considerably upgraded in terms of both sound quality and performance. Output signal can be selected between Fixed and Variable modes.

Variable position is convenient for a direct connection to a separate type power amplifier or a powered speaker system. For example a matching LUXMAN M-200 stereo amplifier can be used to drive the loudspeakers of your preference. LUXMAN' s proprietary design, electronic attenuator "LECUA" is now employed in the DA-250 for both headphone and line outputs independently, which enables highly accurate volume control & avoids channel imbalance at a low listening level.

By adding a new discrete buffer circuit to the headphone output, the

drive impetus has been greatly improved.

The input sensitivity can now be selected from the remote control.

By providing an independent buffer circuit to each output (balance/unbalanced/headphone), the interference and changes in sound quality when used simultaneously have been eliminated.

One analog input is available. Analog signals are converted into the digital realm by way of a built-in A/D converter.

The power environment of high inertia from a large power transformer to large capacity block capacitors and each circuit' s independent regulator is designed to provide a great drive impetus to the signal output, delivers large dynamic swings and maintains image specificity across the soundstage regardless of the listening level.



Remote Controller (RD-24)

## [OTHER]

18mm pitch gold-plated RCA jacks and Neutrik XLR connectors are provided for use with high-performance signal cables. The seven-segment LED display of the two-stage × 3 Digits with dimmer function which display various modes.

All outputs can be phase inverted. Thus, connections with audio equipment with balanced inputs and source' s phase-inverted playback are possible.

A credit-card type compact remote control comes with volume and input controls.

The original high-quality music playback software "LUXMAN Audio Player" that can be used with FLAC / ALAC / WAV / AIFF is also available.

\*LECUA: LUXMAN Electric Controlled Ultimate Attenuator

## SPECIFICATIONS

### Sampling Frequency

USB Input (PCM) : 32k, 44.1k, 48k, 88.2k, 96k, 176.4k, 192kHz (16, 24, 32bit)

USB Input (DSD) : 2.82M, 5.64MHz (1bit)

COAX / OPT input : 32k, 44.1k, 48k, 88.2k, 96k, 176.4k, 192kHz (16, 20, 24bit)

Digital Input/Output input : USB 1CH, COAX 1CH, OPT 2CH / Output : COAX 1CH, OPT 1CH

Analog Input/Output Input : Unbalance 1CH / Output : Unbalance 1CH, Balance 1CH, Headphone 1CH (Φ6.3 standard)

Headphone Output 200mW+200mW / 16Ω, 400mW+400mW / 32Ω, 130mW+130mW / 600Ω

Line output power 2.5 V / 300Ω (Unbalance), 600Ω (Balance) ※FIX/VARIABLE switchable

Frequency response 5Hz~50kHz (+0, -3.0dB)

T.H.D. / S/N (IHF-A) 0.001% / 118dB

Function Front panel Power switch, Power Indicator, Input selector, audio volume, 7 segment LED display, Headphone out,

Phase invert indicator, Fix output Indicator, headphone sensitivity indicator, Digital Inputunlock indicator

Rear Panel AC Inlet, Input Output connectors, FIX/VARIABLE switch

Remote control function Volume, Input selector, display dimmer, digital filter (PCM / DSD), Phase invert, Headphone sensitivity

Size / Weight 364 (W) × 81 (H) × 279 (D) mm (include knob 14mm, rear terminal 8mm) / 5.4kg (body)

Power Consumption 19W (PSE)



Luxman Media Player

