



Desktop revolution - a new definition of D/A converter





SPECIFICATIONS

Supported sampling frequencies

Line output voltage/imipedance

Digital input

Analog output

leadphone output

Frequency response

Power consumption

S/N ratio (IHF-A)

Power supply

Dimensions

Net weight

Accessories

*Rear panel : European Model

2-channel D/A converter

USB x 1, COAX x 1, OPT x 1

unbalance : 2.5V/300Ω

130mW + 130mW(600Ω)

2Hz to 50kHz (+0, -3.0dB)

230V~(50Hz) / 115V~(60Hz)

182(W) x 73(H) x 277(D) mm

of 8mm included in depth

3.3kg(main unit)

Power cable

120dB

USB input (PCM): 32k, 44.1k, 48k, 88.2k 96k, 176.4k, 192kHz(16, 24, 32bits) USB input (DSD): 2.82M, 5.64MHz (1bit)

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

Unbalance x 1 (Output level FIX), Headphone x 1

400mW + 400mW(32Ω), 200mW + 200mW(16Ω)

front side knob of 12mm and rear side terminal

The DA-150 is a state of the art, compact, USB D/A converter built upon the same principle as its predecessor, the DA-100, that is to construct a simple PC audio environment to offer high quality sound in a small footprint. Desktop usability and high sound quality co-exist perfectly within the design of the DA-150 with features such as compatibility with USBs inputting PCM 192 kHz/32 bits and DSD 5.64 MHz (like the upper model DA-250), a headphone amplifier circuit with remarkably improved drive force and the addition of the LECUA* computerized attenuator as standard. As a digital interface to connect with various devices to reproduce highresolution sound sources, the DA-150 raises the benchmark for compact D/A converters.

*LECUA is an abbreviation of Luxman Electric Controlled Ultimate Attenuator.

Digital Circuit

For the DAC chip, a Texas Instruments Incorporated 32-bit compatible PCM1795 is used. The USB input is capable of supporting up to 192kHz/32-bit PCM data as well as DSD data (2.82 M, 5.64MHz). The S/PDIF input supports up to 192kHz/24-bit PCM signals. The digital inputs consist of a coaxial line and an optical line plus a USB input to connect to digital outputs such as a CD player or high resolution portable audio player. A selectable 32-bit digital filter offers 2 options for PCM whilst an analog selectable FIR filter offers 2 types of DSD. Low phase noise clock modules with high pre-

cision and low jitter are fitted independently for the 44.1k and 48kHz channels respectively. This feature remarkably reduces the jitter for the USB input through asynchronous communication for the S/PDIF by embedding a DAIR high-precision



DAC chip PCM1795

The sound quality and performance of the DAC+headphone amplifier composition of the DA-150 has been substantially improved by condensing all the functions into a B5 size footprint. The LECUA computerized attenuator which has never been used before in this class - enables the sound volume to be adjusted with negligible sound deterioration as well as minimizing the level deviation at low sound volumes. LECUA allows the user to easily achieve high precision, smooth sound volume adjustment. A discrete buffer circuit is added to the headphone output in order to achieve the optimal drive force for high-end

headphones. Sound quality is also the priority of the power supply unit design, where a high inertia power supply environment has been created using a power transformer with original specifications and regulators with independent large capacity blo-



ck capacitors for each circuit. Power transformer

Internal configuration

Additional features

A highly visible 3-digit, 7 segment LED with a dimmer function to display the status is mounted on the stylish blaster white finish front panel. Placing the input selector, filter/dimmer selection switch and the power switch on the front panel improves further the convenience of the DA-150. The USB input terminal, coaxial terminal and optical terminal are positioned on the rear panel of the DA-150 for stability and safety. The outputs are

18mm pitch RCA gold plated terminals to support high quality line cable with large plugs so that various audio devices can be connected securely. LUXMAN's original high sound quality playback software, 'LUXMAN Audio Player' can also be used with the DA-150 supporting many types of file formats such as FLAC, ALAC, WAV and AIFF to enable simple, intuitive operation.



- LUXMAN Audio player (corresponding to Windows 10 / Mac OSX v10/11) and driver software for Windows can be downloaded from LUXMAN homepage.
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 *Specifications and appearance are subject to change without notice.

 *The product listed in this catalog does not include line cables. Please purchase cables separately. * Specifications and appearance are subject to change without notice.

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.