

Luxman D-08u Odtwarzacz SACD/CD Salon Poznań Wrocław



Cena: 375 074 Kč

Gwarancja: Producenta 2 lata

Dostępne kolory: Srebrny

VLASTNOSTI

Waga (kg): 22, 5

Głębokość (cm): 41, 3

Szerokość (cm): 44

Wysokość (cm): 15, 4

POPIS VÝROBKŮ

Luxman D-08u

Najnowszy flagowy model, D-08u, jest odtwarzaczem CD / SACD, wyposażonym w niezwykle funkcje i najnowsze technologie. Bardzo sztywny, oryginalny mechanizm napędu dyskowego, LxDTM (※ 1), zapewnia stabilną rotację i dokładny odczyt płyt.

Autorski i udoskonalony obwód cyfrowy został zaprojektowany z myślą o najwyższej jakości dźwięku i jest w stanie obsłużyć cyfrowe kodowanie dźwięku do 384 kHz / 32 bity dla plików PCM i 5,64 MHz dla plików DSD.

Aby uzupełnić układ analogowy, zainstalowaliśmy najnowszą wersję 4.0 naszego oryginalnego ODNF (※ 2), który działa w pełni zrównoważonej konfiguracji obwodu.

LUXMAN gwarantuje, że konstrukcja tego urządzenia pozwala mu pozostać w najbardziej zaawansowanym punkcie systemu audio przez wiele lat.

※ 1 LxDTM oznacza oryginalny mechanizm transportu dysków LuXman

※ 2 ODNF to skrót od "Negatywne sprzężenie zwrotne".

Original transport mechanism, LxDTM

The disc drive mechanism of the D-08u has a highly rigid, original design. In order to conserve space for the densely populated analog circuitry and to achieve the optimum shortest route for audio signals, we adopted a left side layout for the transport mechanism, leading to the development of LxDTM, our latest original disc drive system. A robust case covers the entire base supporting the transport mechanism and a very thick square chassis reduces the negative effects of external vibration, leading to increased accuracy when reading disc data.

Advanced digital circuitry

The D-08u is equipped with dually configured Texas Instruments PCM 1792A D/A converter chips, which achieve an ultra high signal to noise ratio and a theoretical dynamic range of 132dB. This not only applies to CD and SACD disc formats, but also to digital audio from a Windows or Mac PC over the USB connection, supporting PCM data up to 384 kHz / 32 bit resolution and DSD data up to 5.64MHz resolution. By using the latest Texas Instruments TAS-3152 32-bit digital signal processor chips to refine the sound quality, PCM signal up-sampling of up to 384kHz is handled effortlessly. Employing other functions of this chip, it is possible to select your preferred tone from 3 different digital filters for PCM and DSD signals. There are also 2 kinds of analog FIR filters available via the built in DAC chip. As a countermeasure against jitter, the USB circuit uses asynchronous communication with a dedicated DSP engine. CD and S/PDIF pathways have high precision DAIR clocks built in. Jitter is eliminated from SACD data using a dedicated jitter reduction chip. In addition, a low phase noise clock module enhances overall digital signal transmission.

ODNF4.0 balanced amplifier circuit

In the analog output circuitry, which determines the final output quality of the decoded digital signals, we have employed the latest version 4.0 of LUXMAN's ODNF negative feedback circuit, an essential component of LUXMAN's modern amplifier technology, which greatly improves the distortion characteristics and signal to noise performance of this model. Furthermore, the D-08u uses filter processing outside the audible frequency range, as is necessary for digital players. This is not performed by an independent filter circuit, but by gradual band processing applied within the ODNF circuit (three 1st order filters), reproducing natural sounding audio waveforms. In addition, LUXMAN's traditional highly stable power supply supports each circuit with an independent regulator and large capacity blocking capacitors. These, coupled with a power supply transformer designed exclusively for audio applications, result in powerful and stable operation.

A wide variety of digital inputs

The rear panel features a USB input terminal, enabling connection to DSD and PCM sources, one coaxial terminal and two optical connections which can handle signals of up to 192kHz / 24bit resolution, providing the user with ample connections for various digital sources.

Original peel coat PCB

We adopted a peel coat production technique for all of the audio circuit boards, to achieve lower circuit resistance, which can have a negative effect on sound quality. Also, the smooth curves of our non-angled circuit board trace pattern ease the flow of audio signals.

Display with zoom mode

The fluorescent display, with its dimmer function, offers excellent visibility and blends beautifully with the luxurious blasted white metallic finish of the front panel. A display zoom mode function is available for easier operation with the remote control at a distance.

Analog output terminals

For the analog outputs, we have utilized high-performance RCA terminals made from a new copper and brass alloy, which combines the conductivity of copper and durability of brass, and high-grade Neutrik XLR terminals for balanced output connections.

Gradation cast-iron feet

In order to suppress external vibration transmitted from the supporting surface and unnecessary vibration generated from within the housing itself, we adopted gradation cast iron feet with a cast-in density gradient, which gradually decreases from the center point towards the outside of the feet.

Comfortable remote control operation

The supplied aluminium remote control facilitates comfortable operation from the ideal listening position. It is a slim remote, which fits easy in hand, equipped with 10 keys, offering excellent operability.

Compatible with advanced digital audio, PCM 384kHz / 32 bit and DSD 5.64 MHz

In the current era of high-resolution music distribution, the PCM encoding method used for CDs is widely used as a leading streaming format. The USB input of the D-08u is fully compatible with not only PCM format, but also DSD formatted audio data which has recently gained popularity. The different nuances between these and other formats can be demonstrated dramatically, catering fully to the listener's taste in digital content. The USB system's maximum resolution limit is 384 kHz / 32 bit for PCM data and 5.64 MHz for DSD data. A maximum resolution of 192 kHz / 24bit is available over S/PDIF. Current musical content providers mainly use encoding rates of 192kHz / 24bit for PCM files and 2.82 MHz for DSD files, but the D-08u has the ability to read and reproduce audio encoded at resolutions far exceeding these current rates. We have prepared a state-of-the-art listening environment equipped to handle the future evolution of digital audio sources.

Includes high-quality original music playback software

In order to play FLAC files with lossless compression format (a common choice for digital music distribution services) and DSD formatted files, which are becoming popular, it has been necessary to introduce compatible music playback software. LUXMAN has developed our own custom audio reproduction software, "LUXMAN Audio Player". By installing it from the enclosed CD, the listener can begin using it right away. The software is fully compatible with the file formats handled by all major music streaming services, such as FLAC, ALAC, WAV, AIFF, MP3, DSF and DSDIFF. It is compatible with both Windows and Mac computers and offers comfortable operability with a simple, summarized user interface.

Dane techniczne

Applicable disk 2-channel SACD, CD Supported sampling frequencies USB input (PCM) : 32k, 44.1k, 48k, 88.2k
96k, 176.4k, 192k
352.8k, 384kHz (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) Analog output voltage / impedance 2.5V/300Ω (unbalanced), 600Ω (balanced) kupuj w
adioplaza.pl Frequency response CD 5Hz to 20kHz (+0, -0.5dB)
CD 5Hz to 50kHz (+0, -3.0dB)
USB 2Hz to 50kHz (+0, -3.0dB) Total harmonic distortion CD 0.0015%, SACD 0.0011%, USB 0.0009% S/N ratio (IHF-A) CD
123dB, SACD 106dB, USB 123dB
Disk drive mechanism LxDTM (with dust-proof shutter) D/A converter Burr-Brown-made PCM1792A
(monaural mode) x 2 Output amplifier circuit Fully balanced discrete ODNF version 4.0 Power consumption 36W
1W (at standby) Accessories Remote control (RD-21)
Power cable
Install software CD