

# The Lite 7 DAC

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The Lite 7 which evolved from the Big 7 is a very special product in our famous line of BIG DHT DACs. We made every effort to design a DAC which offers the unbelievable quality of Directly Heated Triodes in SET mode for a lot less than our Big 7 or Golden Gate DACs respectively.

We made small savings where it matters the least, keeping the basic structure of the Big 7 - literally everything that's so good about the Big 7 has been made just slightly cheaper. What's most important - we made it cheaper mainly due to the fact that there are no personalization options - we can repeatedly assemble just one basic design, and we did not skimp on parts and other circuit expenses. So it is not mainly the sound that is compromised but the user friendly customization.

Every piece is carefully hand made and every aspect of this DAC is made in house and designed by us.

The key design elements are: using DHT triodes, DSD and PCM engines (shared with the Big 7),

The Lite 7 DAC is an expression of the modern world tube product: detailed, muscular, fun and immensely musical with 3-d holographic soundstage and very expensive sounding palette of timbre colors.

This is level of musical sound is not possible with small signal octal or noval tubes.

## TECHNICAL HIGHLIGHTS

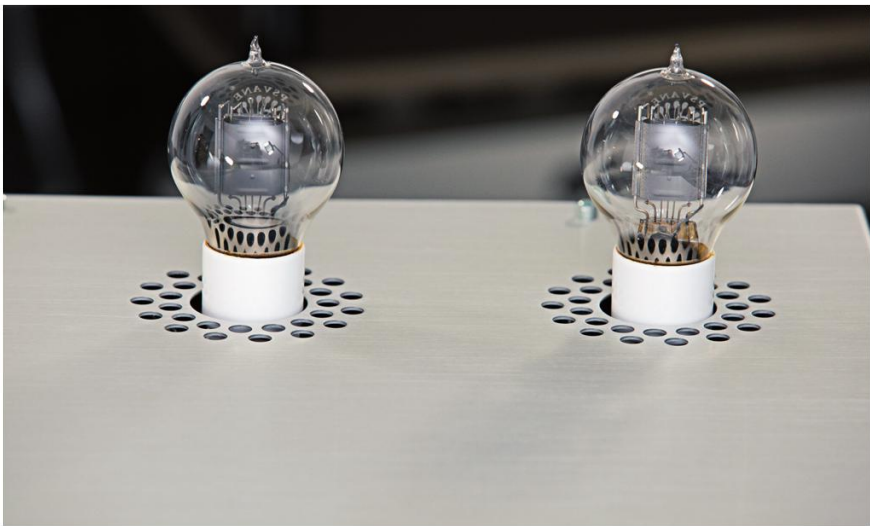
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- Savings made mainly due to parts sharing and assembly process
- Directly Heated Triodes with possibility of tube rolling from 101D to 45, PX4 or 300B
- The best Lampizator PCM engine to date
- Our most famous 256xDSD engine that put us on the map of DSD world
- Superb capacitors in output stage (copper )
- USB and SPDIF as standard inputs
- Balanced version also possible with 4 tubes



Features

- Silicon diode bridge power supply of high current capability compared to tube rectifiers
- Fully linear transformer (no impulse type PSU)
- Tube output stage based on single ended, directly heated triodes (SET DHT)
- Very powerful, low impedance output
- Dual mono, fully balanced, current type PCM converter
- Audiophile grade output capacitors in the tube stage (copper foil)
- USB operation - PCM up to 32 bit 384 kHz, DSD up to 256x DoP, WASAPI, ASIO or KERNEL
- RCA S/PDIF input for CD transports for up to 24/192
- Amanero driver required for Windows, no drivers required for MAC or Linux
- Premium grade parts throughout, every single part was selected for it's sonic properties
- Point to point wiring with silver wire in teflon insulation
- Tube “rolling” is possible within the designated group of UX4 base family
- Manual PCM/DSD switching with muting of artefacts and auto-switching of clock frequencies
- Asynchronous USB mode with own dedicated power supply to USB (4th USB cable wire is cut off)
- Custom Amanero flash firmware is used in each unit.
- Optional Balanced circuit is of true quad mono, input to output balanced type, in both digital and analog domains



SPECIFICATIONS

Output type	Single ended or true balanced plus SE amplifiers/XLR+RCA for balanced
Frequency response	20 Hz - 20 kHz DIGITAL, 1 Hz-200 kHz ANALOG
DSD	64x, 128x, 256x
PCM supported via USB	384 kHz/32 Bit
PCM supported via S/PDIF	192 kHz/24 Bit
Analog loudness	3 Vpp output
Analog output impedance	1600 Ohm
Number of analog outputs	1 stereo pair RCA, (XLR and RCA for balanced)
Optional digital input types	Toslink, AES/EBU, BNC S/PDIF
Music tube type	45 or 245 or 242 or PX-4 or 101D (or PX-25 or 300B for SE type only)
Rectifier type	Silicon diodes
AC power consumption	25 W
Dimensions (shelf footprint)	43 cm [W] x 52 cm [D] x 13 cm [H] plus tubes 13 cm
Net weight in kg (lb)/ Shipping weight	11 kg (25 lb) / 17 kg (40 lb)

Specifications subject to change without notice

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