Allnic L-9000 OTL / OCLM-2500

Hen | Approval 2019.11.08 13:39 | November 2019 Issue (568) | Comments 0

Illusion doubles with OTL / OCL-free and 300B push-pull power

Special-Meet the best combination of pre and power amplifiers

I recently watched Allnic's new preamp L-9000 OTL / OCL and monoblock power amplifier M-2500 at Audiomentos in Bundang. Like a drop of eye drops in dry eyes and a messy eyeglass wipe with a microfiber cloth, a clear, clean, clear sound came out. It was a good city hall to see why Olnick turned to the OTL / OCL preamp, why the 300B was push-pull, and how fantastic the two would meet.

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The L-9000 is an output transformer-less (OTL) or output-capacitor-less (OCL) preamp with no output transformer and capacitors at the rear of the output tube. It also features a 61-stage positive impedance attenuator. This lack of output transformers and capacitors is due to the critical role of DC blocking, but as coupling devices, they have the critical limitations of sound distortion, coloration and energy loss.

The ultra short tube used two 6U8A, the drive tube two 12AU7 and the output tube two 6080. Personally, I'm interested in the existence of the twin-pole 6080, because it drives two enclosed triodes with single-ended push-pull (SEPP). This is because in order to configure OTL / OCL, DC power does not go to the back stage when both positive (+) and negative (-) flows through the output tube. This is the reason why OTL / OCL cannot use output tube of single or para single configuration that only positive power is supplied.

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The M-2500 is a monoblock power amplifier that achieves 30W by driving a 300B, a representative series triode, with push-pull. It is surprising that the 300B is composed of a push-pull rather than a single or para-single, but the fact that the 12A4 triode is used as a phase reversal and drive tube is more noticeable. The 12A4 is a power drive tube that can be used as an output tube with a high plate loss of 6W. The voltage amplification factor (mu) is 40, and the internal resistance is only 2mA. The ultra-short tube was used by connecting 5 poles 6485 with high current amplification factor (gm) three times, and the rectifier circuit 5U4G instead of a diode.

L-9000 OTL / OCL

Frequency Range 10Hz-95kHz Input Impedance 10㏀ S / N Ratio -100dB THD 0.02% Voltage Gain + 18dB Maximum Output 20Vrms Using Tube 6U8A × 2, 12AU7 × 2, 6080 × 2 Size (WHD) 43 × 18 × 40cm

M-2500

Effective output 30 W Vacuum tube 300B (output tube), 5U4G (rectifier tube), 6485 (super short tube), 12A4 (drive tube) Damping factor 20 Frequency response 20Hz-50kHz S / N ratio -100dB Distortion 0.01% Gain + 26dB Input Impedance 100Hz Input Sensitivity 0.7V Size (WHD) 44 × 26 × 37cm Weight 20kg

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No.: Monthly Audio Registration Number: Yongsan La 00084 Issue Date: 1st of every month Registered Date: 2009-04-15 Publisher: Editor's Name
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