Allnic T-2000 25th Anniversary

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Simultaneous catch of 100W driving power

There are two temptations to immerse yourself in the fall of audio and almost fall into a coinage. One is the fantasy of transistor high-power amplifiers, and the other is the romance of pre- and power-separated amplifiers. For example, an amplifier that increases the output linearly linearly in the form of 300W for 8Ω and 600W for 4Ω, and a four-channel amplifier with separate power supply units due to lack of separate power amplifiers from left and right channel mono mono…. These temptations become particularly intractable, especially in conjunction with the conquest or dominance of macho-style speakers, and the result is all sorts of devices and cables that fill the listening room.

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dense and beautiful world of sound with 8 ~ 10W of low power obtained by driving single series tripolar 300B one single channel. In such a world, there is no desire in the first place to overpower a rock speaker or pull out the bass to the point where the knees are cold. However, they also have deep resignations in their minds, which means that there are not so many speakers to choose from.

Allnic's recent tube amplifier T-2000 25th Anniversary seems to be Olnick's clear solution for audiophiles like this. A renowned Korean manufacturer, who has already climbed into A class of stereophile recommendation device with 300B single drive amplifier (T-1500), has put out a hidden card called '100W output with KT150 push-pull driving'. My quick conclusion was that I listened to the T-1500 (12.5W) as well as the T-1800 (40W) with push-pull driving of the EL34 tube, and the previous T-2000 ST (Super Transformer, 100W). This is it. 'The sound of the vacuum tube amp and the driving power of the speakers, I caught these two rabbits!'

Let's take a look. Celebrating its 25th anniversary, this year's T-2000 Anniversary upgraded Nickel's trademark, Olnick's trademark, with design changes (front panel and side handles, etc.). All of Olnick's output transformers are nickel-transformed, or Permalloy trans, an alloy of nickel and iron. (This method was first developed in 1916 by Western Electric as the best transformer for sound quality. This is so hard that I hardly use it).

Nickel is the most sensitive to magnets of all materials. This is called initial magnetic permeability, and nickel has a very high permeability. To put it plainly, ordinary steel becomes electromagnets by giving electricity, and when the electricity is cut off, the electromagnet properties are slowly lost, whereas nickel loses its electromagnet properties quickly when the electricity is cut off. This nickel speed allows Olnick's amplifiers to accurately represent music.

The T-2000 Anniversary goes further and incorporates the new Permalloy output transformers, which incorporate all of Olnik's know-how for better sound, including winding methods, coil thickness and trans structure.

Another Olympiad pride, the 41-speed attenuator, has also evolved to Ver.2. The attenuator, which is operated remotely by the built-in motor, is manufactured by OLYNC and is the same luxury attenuator applied to the advanced machines such as the L-5000 DHT, Olnick's top reference preamplifier. The original attenuator with two contacts, such as the inner ring and the outer contact, was deemed lacking in sound quality, and reduced to one is Olnick's attenuator. This time, the contact is upgraded again. This fundamentally solves the problem of signal distortion that can occur at the volume stage, while succeeding in making the signal transmission more reliable and faster than the ST version.

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As with the ST, the output tube used KT150 tubes twice per channel. In fact, last summer I was surprised to hear the T-2000 ST, which employs the new 5-pole beam tube KT150. The reason why the output increased from 70W to 100W compared to the previous version (KT120) was due to the excellent physical properties of the KT150 vacuum tube itself. KT150 is a fuse developed by TungSol for fine signal amplification and reliable control of speakers. The body is much larger than the KT88 or KT120, and the egg-shaped glass tube improves heat dissipation. The fact that the glass tube is curved only and has no flat surface means that it is free from microphonic problems.

The T-2000 Anniversary push-drives the KT150 at two per channel to draw 100W (8Ω. Pentod mode) or 50W (8Ω. Triode mode) outputs. Just press the button on the left side of the front panel to select it. Pentode Mode, adopted by the T-2000 Anniversary, is an ultra-linear method that uses an output transformer when connecting a 5-pole screen grid to a plate, resulting in rich bass with a large output of 100 W. . In fact, with a 100W tube tube amp, you're good enough for any speaker in the world. In triode mode, the control grid is connected to the plate and the suppression grid is connected to the cathode. Literally acting like a triode, the output is reduced to 50W, but you get clearer and more distortion-free sound and smaller output impedance.

It's also worth noting that it works in class A up to 30W. As you know, amplifier amplification method is divided into A class, B class, AB class, etc., A class always gives a constant current (Idling Current) to the amplification device, A class is not flowing. In other words, it is a class B amplifier that allows current to flow only when a music signal comes in. The Class A flows this idling current to the maximum output of the tube, while the AB class runs the idling current only halfway through it. The AB class amplifier therefore operates as an A class within the range of idling currents specified by the manufacturer, and subsequently as an AB class. The T-2000 Anniversary operates in Class A up to 30W in pentod mode (ultra linear) and 20W in triode mode. Therefore, the sound of the T-2000 Anniversary at home is almost amplified by Class A.

The ultratube wrote 6485. Also adopted in the ST version, this tube is a historical tube with an extremely high current amplification factor (gm). A vacuum tube is a gm fight, and the only way to increase this gm is to use the thinnest first grid. When gm reaches 5000 mA / V, the line is almost invisible. D3a is adopted as a drive tube, so it has a very good linearity and low internal resistance. It is expensive and difficult to obtain and difficult to handle, so it is hard to use even in a normal integrated amplifier. D3a is also a five-pole vacuum tube, which, like the 6485, operates in triode mode, reducing the internal impedance to 2 mA, boosting the current to 20 mA while significantly reducing noise and distortion. In general, using 12AU7 or 12BH7 is a big advantage compared to only being able to apply 2 ~ 3mA of current to a 47kW load.

In addition, the T-2000 Anniversary has Olnick's tube dampers (received international patents by employing liquid rubber in ultra-short tube sockets, vibrating close to 100%) and voltage regulation rates that envy foreign manufacturers and critics. Power transformers of only 3% to 4%, fixed bias for extremely boosting the performance of tube amplifiers, polycarbonate chimneys resistant to vibrations and high temperatures, and toggle switches to check the condition of front and rear output tubes. Olnik's advanced technologies, including a self-diagnostic meter, have been put into place. The beginning and end of amplifier amplification, the implementation of a 10kHz square wave, is also nagging.

Heared the Macbook Air (Ordirvana Plus) as the source, the Olnick D-3000 as the DAC, the Tannoy Turnberry GR as the speaker, the Olnick ZL-5000 as the speaker cable, and the Olnick ZL-3000 as the power cable. The Turnberry GR is a 100-liter internal speaker that employs Tannoy's trademark 10-inch coaxial unit Dual Concentric. The playback frequency range is 34Hz to 44kHz (-6dB), sensitivity is 93dB, impedance is 8Ω (min 5Ω), and network is second order crossover.
The first song is Jennifer Once once's 'Way Down Deep' (16 beats). Kick and drop kick drums have different textures. It is a punch force that is remarkably different from EL34, too. Surprisingly, the number of strands of sound coming out of the loudspeaker is the combination that gave me the most number of strands I have ever heard. JENNIFER ONE'S VOCALS also makes each consonant sound clear and reminiscent of the shape of the lips.
The sound stage is widespread in Berlioz's Fourth Symphony (16 beats), played by Charles Munsch and played by the Boston Symphony Orchestra. Timpani's stride strides, and the sound of the brass seats on the right side is also very sweet. The 4th movement (24 beats) of the Symphony Symphony, played by the Scottish Chamber Orchestra, is incredibly dynamic with pp and ff. Timpani's stride is much bigger than Charles Munsch's, and the blow is stronger. Overall, low-end edge feeling is considerable. KT150's 100W tube output is just as amazing.
The T-2000 Anniversary's most resolving song was Oscar Peterson Trio's 'You Look Good To Me' (16 bit). Ray Brown, who plays the bass, picks up all the murmuring sounds. The system is never heard unless it's as sensitive as it is, and the 6485 used as the blunt tube for Olnick's DAC D-3000 and T-2000 Anniversary seems to do its job.
His favorite song, 'Don't Believe In Love' (16 beats), also has a different taste in this T-2000 Anniversary combination. I usually thought it was just a song that enjoyed a moist castella-like Daido tone, but that wasn't all. This song was 'Kick Drum's Song for Kick Drum'. The tightly tightened drum head is beaten by the Mallet and bounces off the low frequencies hidden in his arms. In short, it's not a soft, sloppy bass, but an edged bass that feels the texture and tension of the plastic head film.

Lowpass: 'kung' drop quantity and power, live edge quality = upgrade effect of nickel super transformer with high permeability, faithful power transformer with low voltage fluctuation, damping effect and push-pull driving effect of KT150 with high plate loss rate.
Speed, transients, and control: The response to the music signal is exceptionally fast and accurate. Nickel transformer's quick response to the music signal, and the upgraded 41-stage attenuator seem to minimize distortion.
S / N ratio: Increased quietness, evaporation of noise = 100% vacuum tube damping effect through international patented tube damper, and upgraded 41-stage attenuator to minimize distortion.
Tone: The sound of the violin, the hammering of the piano, and the perfect sound. = The effect of the nickel transformer with high coil and low coil winding. The EP-IP curve seems to be due to the

natural gain of the vacuum tube.
Dynamic range: a powerful one bursting from ff, such as a tutti, the delicateness of pp expression drawn up to the shape and vocal lip of vocals It seems to be 100% vacuum tube damping effect through pincers and tube damper of 3 musketeers.

Distributor Audiomentos (031)716-3311 **Price** 9.5 million won **Vacuum tube** KT150 × 4 etc.
Effective output 100W **Attenuator** 41-step silver contact version 2
Transformers Super Nickel Alloy Transformer **Size (WHD)** 43 × 25.5 × 48cm **Weight** 42kg

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Corporate name: Audio Co., Ltd. A21, Main Square, 74, Cheongpa-ro, Yongsan-gu, Seoul, Korea
Main Phone: (02) 712-6633 Fax: (02) 712-0660 Email: audioht@hitel.net
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