

**Stereo Perreaux Audiant 80i, an overview. Magazine "AudioMagazin", № January 2012**

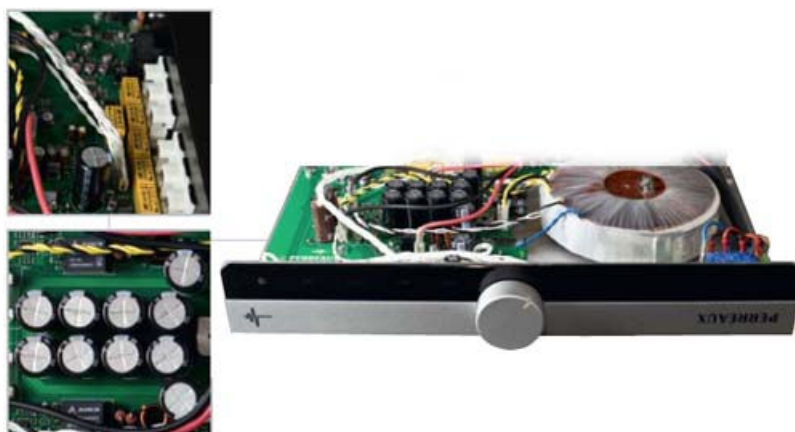
**Barely begun, a fragment of "Lord, save thy people," creates a lasting sense of presence. The rapid and smooth development while fully captures, and imbued with the idea and compositional development of musical drama, you come under the power of great music.**

For a story about the device, as usual, pristuplyu to describe its design features. The front panel is motorized volume control knob, organized on the basis of dual potentiometer Alps. Sdvoennost (not quad), and the fact that, based on the measurement of resistance, "minus" weekends speaker terminals of both channels are connected to each other, shows that this is a device with unbalanced design. The basis of the upper body supports a massive 5-mm L-shaped aluminum element, which closes down to a thin steel fastened to his sides. Screwed to the bottom of feet. The rear wall of steel, too. Using the upper part of the body as a support for mounting of all components, and simultaneously as a heat sink - Design an interesting method, which finds wide application in automotive amplifiers. This solution allows without compromising sound quality and the normal functioning of the units and substantially reduce the size of blocks: the place is saved in the absence of a radiator. That's why the compact Audiant 80i so heavy.



The second reason is hidden inside the massiveness - a huge toroidal transformer takes a good half of the internal space. Personally, I have majestic views of the power supply always encouraging, and I agree with the designers, who are singled out for such a hefty portion of the body! This is one of the fundamental factors as the key to high-quality sound, because ultimately the AU bring us nothing, as the energy, the converted power supply. The disadvantage of this energy in a less elaborate or too sparingly designed amplifiers are always clearly felt in the form of sluggish macrodynamics. Directly to the back of the upper part of the body adjacent to the transformer, transistor output stages, and sensors overheating. Other elements are arranged on the board, which is attached to the subchassis, located one floor below.

Power of main transformer is about 400 watts, and powered terminal stages have 365 Tues There is another less powerful transformer to serve the digital portion of the apparatus. In the power supply output stages of both channels involving a rectifier and the twelve capacitors with total capacity of 26,400 uF. In the food chain is used fuses, which is quite reasonable: in an emergency power supply is convenient to break at the site where the currents are small, does not require a strong guard, to the same place in the scheme of the fuse does not affect the sound. The output MOSFET-transistors-Toshiba 2SJ1201/2SK1530 made in Japan, a pair of the channel. Before the output terminals are installed inductive filters, which protect the amplifier from the self-excitation at high frequencies and prevent the influence of the capacitive component of the load (speaker).



The model has a built-in phono stage for MM-type heads and DAC for external digital sources. In addition, the presence of a USB, which allows to connect Audiant 80i as an external audio device to your computer or media server. Complete remote control allows you to control playback using iTunes or Windows Media Player.

On the rear panel of the amplifier are analog and digital inputs. One of the analog can be assigned using the amplifier in a home theater, giving this input signal is processed by the sound processor, bypassing the preamp section that is directly on the output stages. Digital inputs S / PDIF (two optical and one coaxial) supports data to 24 bit / 96 kHz. Perceived by USB digital signal with a more modest value - 16 bit / 48 kHz, but the truth, by a DAC it if you want you can apsemplirovat to the top plate (as well as low-resolution signals arriving at the input S / PDIF). There are two ways: linear and pre-amplifier. The isolation of the preliminary and final amplifier allows you to connect additional audio processing devices. To connect a device equipped with speakers of high quality brand connectors.

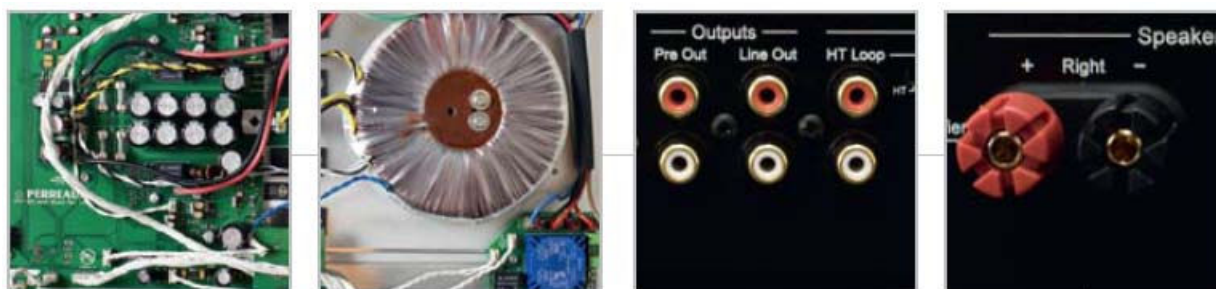
## Listening

Overture Tchaikovsky's "1812" captures the very beginning, and immediately moves into a different world - the music is so strong and so great possibilities considered an audio component. Wide popularity among audiophiles Overture acquired through the presence of a large drum in the score increased size to simulate cannon barrage at the end of the work. However, all very interesting work, not just the final part, is often used to test the system's ability to withstand overloads.

Barely begun, a fragment of "Lord, save thy people," creates a lasting sense of presence. The rapid and smooth development while fully captures, and imbued with the idea and compositional development of musical drama, you come under the power of great music. It grabs you, without reserve, and you simply dissolve in it. Stunning sense of integrity and awareness do not cause the desire to draw sound "portraits" of individual musical instruments, a symphony orchestra. The sound in general was so natural and comfortable that I listened to a complex orchestral fabric in the same breath - these are the power of brilliant music and its ability to reveal the amplifier Perreux.

Equally fun was taken, and other works. The same naturalness, the same sense of inner harmony manifested in the performance of Thelonious Monk compositions. Attacks were short sounds are sharp and accurate, no poslezhuchiya shortened, and the sound can generally be described as detailed and at the same time soft. Power was setting gently in places small team tools. At the forefront of the scene quite clearly drawn image of a saxophone, a little more clearly felt in the center of a small drum kit (especially a distinct sharp graphic plates), located just left of the piano, right - double bass. From time to time in the limelight out the clarinet, whose image appears a little out of the saxophone, and also accurately displayed the faces of both timbre of wind instruments.

Deliberately avoiding the sound of particulars describing certain aspects of sound, turn to the principal, namely the ability Perreux Audiant 80i charm and pacify - an ability that not only did not disappear, but not attenuated by changing music programs.



The amplifier is truly universal. Another example: the expressiveness of a live voice Adriano long chained attention, and expressive and superbly recorded accompaniment is organically combined with the vocals. I must say that I did not want to stop playing. For example, rock music. I did not realize until the end, why is it so powerfully captured by me, because I know it inside out, and the soundtrack leaves a lot to be desired, though not without appeal. This is quite a dense record was supplied without undue severity, Audiant 80i managed to pull out all the best. The space is uniformly filled with wide, detailed vocals were pushed forward a bit, but most importantly - to create a special mood, there was a long and interesting musical aftertaste. Each time the power surprisingly quietly, unobtrusively, yet strongly concentrated, captured my attention. I had to force myself to be distracted from the music and discontinue use.

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