

## Stereo Perreaux Eloquence 150i, review. The magazine "Consumer" № April 2010

**Special article in the New Zealander - building the music scene, the space he paints with great charm, flinging wide stereo imaging azimuth, clearly drawing the background scene.**

### Design

New Zealand - a distant island nation, surrounded by vast expanses of the Pacific Ocean. The archipelago is famous for its agriculture, especially livestock, and an insatiable craving male population of the islands to the rugby. Apparently, the rugby - the only sporting event, capable of attracting the heirs of the freedom-loving and bellicose Maori. In the past, the isolation of New Zealand contributed to the rise in the country, never has a strong high-tech industry, a number of productions Hi-Fi-components and speakers. It is true that "squeezes" the globalization of the world, not all survived, but the strongest, such as PERREAUX, Plinius, Image Loudspeakers, received further recognition and the opportunity to promote their products in other countries.



Company PERREAUX («Perro») was founded in 1974, currently production capacity of firm located in Oakland. Initially the company worked to develop the full range of audio equipment, including loudspeakers, and do different devices for home and professional studios. In 1976, the company first entered the foreign market, in neighboring Australia in the early 80's made its way into the market Hi-Fi-USA products, and today supplies the equipment to 30 countries around the world. Among the major achievements of the company are the following: in 1979 PERREAUX engineers were the first who managed to create a commercial Hi-Fi-amplifiers with output stage MOSFET-field-effect transistors, and in the mid-80's the company entered the top four manufacturers whose components have been certified by THX Lukas Film. As the firm's leadership PERREAUX realized that a relatively small company it is difficult to compete on all fronts. New Zealanders have decided to focus on the fact that they do best, so the acoustics of the brand behind us, and among the electronic components firm preference for 'home' decisions in stereo, although now in their arsenal still have some multichannel devices.

Modern range PERREAUX includes 4 line of electronic components: from the relatively accessible, original micro-series to the masthead amplifiers Silhouette Series Radiance, an intermediate position between the occupied units rulers Eloquence and Prism. In a new family of Eloquence include transport CDt and two integrated stereo amplifier: the names of the 250 i and 150 i reflect outputted by the long-term capacity on the channel with an 8-ohm load. For compatibility with different signal sources, both the amplifier can be equipped with two additional modules: cartridge phono MM / MC card and digital-analog converter with apsempligom bit/192 24 kHz. Amp Eloquence 150 i, caught in this test, has pre-DAC module, equipped with two bayonet connectors, two TosLink input port and USB.

Massive body Eloquence 150 i has a thick front panel, carved from aluminum, the sides of the cabinet is completely closed the radiator grille. Central place on the facade of the device is multifunctional pen lights, right - a large LCD display and buttons to help the user to surf the menu on the right - cut the inscription «PERREAUX» button and the translation of the amplifier in standby mode. Looking at the kind of spartan front panel, it is difficult to guess that Eloquence 150 i is exceptionally functional device with a bunch of settings, yet it is so.

Behind, in addition to the above input digital-to-analog converter, amplifier has a balanced input (XLR) stereo input on the terminal stage of the amplifier, the output from the pre-stage, record output, trigger output, input and output for round-trip commands from the infrared sensor . Of the five unbalanced inputs (RCA) first can serve as input to the phono cartridge, if the corresponding expansion card, and a fourth default billed as a "through" with irregular volume, it can be used for receiving signals from an external processor. With RS-232 port amplifier can "dock" with the most popular management systems and "smart home» Control4, AMX and Crestron.

Inside Eloquence 150 i installed a large low-noise toroidal transformer makes. Transformer is pushed forward and took his "half the kingdom" in the inner space of the shell in the back of which are located the signal board and four "banks" of large buffer capacitors. All the schemes tract performed on a "dual mono" input stage operates in pure class A, and the amplifier output to use powerful MOSFETs (MOSFET). Signal chain entirely symmetrical electrically and spatially, moreover, they are separated and isolated from the mutual interference. Output transistors of the left and right channels are placed at a maximum distance from each other by joining the respective side radiators. Even the connectors on the back of the case - and

they are arranged in a strictly symmetrical manner with the central position of power connector. Both the "shoulder" amplifying channel, left and right, are equipped with independent high-current power supplies. All these engineering refinements have led to what Eloquence 150 i is not afraid of "difficult" loudspeakers, since the power supply and all signaling schemes are by a wide margin in power: long-term yield 300 watts per channel into 4 ohms. For example, the amplifier has a high damping factor (damping factor), equal to 800, claimed by developers with full power, 1 kHz and 8-ohm load.

All user-defined functions and the basic control unit implemented built-in microprocessor, and the control lines are isolated from the signal to avoid interference. Tied to the microprocessor and the precise control of position volume controls and channel balance, and the work of non-contact protective system that protects the amplifier from overheating, short circuit, DC offset current component or problems with the fuse in the power supply. He also manages and more fine-tuning device.

Any input Eloquence 150 i can change the name as it appears on the display, as well as adjust the sensitivity. Since the volume change is not so much grip controller as a microprocessor device, the user can play with different parameters of sound: to set the maximum threshold volume, select a starting level of defaults, which will be installed automatically when you turn on the amplifier, and more. For example: although the "cutting" is by default assigned the number 4, the owner can reassign a choice to make cross-cutting multiple inputs or cancel this feature. The display device can measure the time and skip the clock, of course, you can adjust the brightness, contrast, screen, time lapse, after which the display will go blank, etc. Another curious feature is the ability to turn off sections of pre-terminal and gain from each other, while between them can turn the equalizer, or an active filter.

Complete with Eloquence 150 i is a flat, miniature remote control that looks like it's not as elegant, as led by him power, but with its handle without question.



### Sounding

Once a reservation: we engaged when listening to analog input amplifier. Want to get acquainted with the work of built-in DAC, we refer to other reviews. In the control path used by CD-player Monrio TopLoader TureZ, speakers Raidho X-Monitor, as well as interconnects (XLR) and speaker cables Nordost Valhalla.

Eloquence 150 i gives the sound with a smooth tonal balance, without preference for any

sub-range, deep bass is passed with a remarkable structure, the top is airy and well-delineated, in the middle of the sound spectrum is reproduced with the "velvet" sensations, emotional and tender vocal timbres and instruments superbly crafted and natural. With all the informative audio amplifier is comfortable, without undue or intrusive blatancy holographic-STI in showing small musical events. In the handwriting of the amplifier there is even a "tube", expressed in the beautiful warmth of the middle and "physicality" of images on the stage, while at the edges of the spectrum of the sound quite a bit lacking in the sharpness of the attack.

Special article in the New Zealander - building the music scene, the space he paints with great charm, flinging wide stereo imaging azimuth, clearly drawing the background scene. In a scene many palpable air, virtual sound sources are well localized and have clear contours, accurate dimensions. With this careful approach, even orchestral themes revealed in all its splendor and scale.

Of the shortcomings of Eloquence 150 i not stop on anything in its class machine virtually without sin. Although it may be noted that to the absolute delight of his playing New Zealand integralniku slightly lacking in the "velocity" relaxedness bass and dynamic range. But to meet these demands, while maintaining the volume and transparency of the scene, along with the overall musicianship Eloquence 150 i, one can only draw attention to the much more expensive machines.

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