

## COMPONENTS - TESTS

## Environmentally-friendly sound of New Zealand (integrated amplifier Perreux Audiant 80i)

Perreux New Zealand company produces high-quality audio components since 1974. And despite their geographical distance from the "center of world audiomody", Perreux has something to surprise fans of "clean" sound. Meet the Perreux Audiant 80i - an elegant touch control amplifier, which has a special power supply circuit (MOSFET), built-in phono stage, DAC (with apsemplinga), USB-terminal and, most importantly, energetic sound, inspired by the beauty of New Zealand's pristine nature.



 Perreux Audiant 80i

Perreux Audiant 80i - the brainchild of a relatively young company, which is very, proud. Introduced an integrated stereo amplifier has a number of fundamental distinguishing features. First, the model is collected in strict accordance with the canons of proprietary high-sound (brought world Perreux products world-wide fame.) Second, the device has a built-in DAC (with apsemplinga up to 96 kHz / 24 bit), MM-fonokorrektorom and USB-terminal.

Thanks to the USB-port stereusilitel can be directly connected to the computer (as an external audio device), reproducing the audio data from via iTunes and by controlling the playback via remote control. And finally, third, stereo Perreux Audiant 80i has a very extraordinary design.

The model is contained in a relatively compact body silver. The only element of the speaker on the front - control the volume. Conventional keys and / or rotary input selector you will not find here - control sensor. At the bottom of the front panel is a translucent "tactile sensing" bar with indicators of inputs, illuminated from the inside with blue LEDs. To activate a particular audioterminala enough to touch his designation on the touch panel - work switching relays and the corresponding LED will light up brightly.

All functional connectors are located on the back side. Three pairs of RCA-stereo inputs allow to connect to the amplifier CD-player, media center, or integrate Perreux Audiant 80i in the home theater system (one of adiovhodov designated as HT Loop, equipped with a bypass-switch, start signal is "around" the volume control). Another RCA-stereo - integrated terminal MM phono stage, the player will use vinyl records. Available Audio Outputs - Output from the preamplifier and linear. Special audio output for headphones is provided, which seems a bit odd. Apparently here the manufacturer decided not to dissipate and to give more attention to other, more important functional features of the device, suggesting that the true audiophile will take care of a separate headphone amplifier.

However, thanks to the built-in DAC, Perreux Audiant 80i is able to "without intermediaries" to perceive the digital audio - includes a pair of opticheskih, one coaxial and one USB-terminal. Built-in DAC receives digital data from the sampling to 96 kHz / 24 bit. However, the possibility of USB-input (when playing computer audio is limited 48 kHz / 16 bit. However, in the Perreux Audiant 80i provides system apsemplinga (before the "ceiling" of 96 kHz / 24 bit), which is a few "animates" computer and CD-audio ( making a discrete signal a more "analog" and smooth), although the true "restoration quality", however.

It is worth noting that the model implemented in the "bonuses" such as the MM phono stage, USB-terminal, and built-in DAC, of course, very relevant to today's times and cope with the task at a high enough level. But if you dream of a truly uncompromising decision, it is possible that over time it makes sense to equip the system of external phono stage and DAC blocks the professional level. The model is equipped with a remote control. When you connect the amplifier to the computer via USB, remote control can also be used to control playback of audio tracks computer through iTunes or some other program.

As far as talent Perreux Audiant 80i is as integrated amplifier (combining a preamp and power amp), then they are certainly impressive. At first glance, the small size of the device allude to the fact that the scope of Audiant 80i is limited only by dubbing a small chamber space with bookshelf speakers. However, the compact size, in this case shows only in favor of the extraordinary skill of engineers Perreux. The unit develops 100 watts (at 4 ohm load) and weighs too much - about 12 kg. "Interiors" amplifier located in a nontrivial way - heavy toroidal transformer, printed

circuit board and company MOSFET-transistors are mounted "second floor" above the elements of "first level". U-shaped cover (the one with fixed principal part) while the radiator is cool. An important feature of the circuitry - separate power supply analog and digital circuits.

During testing, Perreaux Audiant 80i connected to a shelf and floorstanding speakers (which requires a decent primer power). The sound of the device can be described as a lively, free and natural. Different speakers Perreaux Audiant 80i provided just enough "clean energy" as it was necessary for a balanced disclosure of all the musical nuances of recordings. Sound "flew on the wings of the wind", clearly testifying to the fact that the Perreaux Audiant 80i really "pumps" the speakers at the same time carefully, clearly and powerfully making sure that the voice-speakers to the maximum score corresponded with an accuracy down to the smallest nuances of intonation.

In the case of large and "bass" floor-standing speakers Perreaux Audiant 80i is not always perfectly cope with this task, losing even more difficult, expensive and powerful colleagues. But in general, with the bass sound system (which requires the amplifier maximum "focus") in Audiant 80i copes very elegant - the low-frequency images of bulky, palpable, firm and textured. With regard to the most informative part of the sound spectrum, the Audiant 80i really "puts everything on the shelves" - voice clearly tapped into a deep, filled with "air" space. Sounds instruments are drawn in detail and clarity. High frequencies are not overexposed, and even more inclined to "soft vinyl" gradually nispadaya on the right end of the AFC. But most importantly, Audiant 80i not only provides a set of sounds, and he sings as if every note, carefully tying beads rhythmic pulsations of the common thread of musical narrative. And even at low volume "above average", this thread does not break - the listener gets even more drive and more refined detail without losing the transparency of the sound stage.

### **Perreaux Audiant 80i:**

- Universal Stereo Class A / B with built-in MM phono stage, DAC, digital audio inputs and a USB terminal
- The original design, touch-sensitive switch inputs on the backlit display, remote control
- Power of 80 watts (8 ohms) 130 watts (4 ohms) - enough to connect most of the bookshelf / floor speakers
- DAC 96 kHz, 24 bit: apsempling input signal, a separate power supply module
- Control iTunes via USB, support for Windows Media Player.

The integrated amplifier Perreaux Audiant 80i  
Estimated cost, USD: 105,000

### **Specifications Perreaux Audiant 80i:**

Rated power: 80 watts (8 ohms) 130 watts (4 ohms) per channel  
Total Harmonic Distortion (20 Hz - 20 kHz): 1 kHz, 80 watts, 8 ohms  
The signal / noise ratio (Amplifier): 105 dB, 80 Watt 8 Ohm  
Damping Factor: 400 @ 1 kHz, 8 ohms  
Gain: 28 dB  
Audio Inputs: 3 x analog, 1 x phono, 2 x figures. wholesale., 1 digit. Coax., 1 x USB  
Audio Outputs: 1 x prev. mustache, 1 x Line  
Speaker outputs: 2 pairs of screw terminals (for a stereo speakers)  
Control input: RS232  
DAC: 96 kHz, 24 bit (koaks, wholesale, Apsempling) / 48 kHz, 16 bit (USB)  
Phono stage: MM-type, 40 dB gain, 47 ohm, Garm. claim-I <0.15%  
Dimensions: 431 x 309 x 67 mm  
Weight: 11.5 kg

### **Conclusion:**

Design - 8  
Ergonomics - 9  
Functionality - 10  
Sound - 10  
Price - 8

### **Pros:**

- Excellent sound
- Versatile
- The relatively high power for a sufficiently compact dimensions
- Built-in DAC and phono stage.

**Cons:**

- There is no headphone output
- Features USB-DAC is limited 48 kHz, 16 bit
- Some "softening" of high frequencies when working with HD-audio formats.

**Conclusion**

Large-scale, expressive sound, with details clearly traced, the energy and drive (which allows the amplifier to shake even the most "stubborn" AU) is in harmony with its compact dimensions, the original design and an impressive arsenal of features. The presented amplifier is capable of becoming a key element in a home stereo sound system of the highest class. Of course, the built-in phono stage and DAC are inferior in their characteristics relevant professional external devices, but their presence does Perreaux Audiant 80i truly versatile audio solution - the friendliness of the model to vinyl and computer audio will appeal to those who are faithful to the precepts of old analog and is also a "power user" achievements of the modern media industry.

According to test results portal hifiNews.RU awards Perreaux Audiant 80i mark "TOP 2012".



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Распечатать

