

# THE RIGHT TONE

INTEGRATED AMPLIFIER PERREAUX AUDIANT 80i

105 000 rub.



The elegant exterior of the Perreaux Audiant 80i is twice misleading: if you take it in hand, it is unexpectedly heavy, and in addition, is capable of a massive sound despite the small size. There is a third point — the functionality, but it's actually not a surprise, modern components must offer many features

Type - Integrated Amplifier | Title - Perreaux Audiant 80i | Output power (at 8 Ohms), W - 80 x 2 | Frequency Response, Hz - 20-20 000 ( $\pm$  0,1 dB) | Total Harmonic Distortion (1 kHz, 1 W),% - less than 0,05 | S/N ratio in dB - 105 | Audio input - stereo RCA (4) | Audio output from the pre-amplifier - stereo RCA (2) | Power consumption, W - 640 | Dimensions, cm - 43,1 x 6,7 x 30,9 | Weight, kg - 11.5

**A**t the heart of the Perreaux Audiant 80i amplifier body – an L-shaped 5mm aluminum design, which forms the top of the amp and the front panel. By this construction, as it were, inside is upside-down all the nodes attached directly adjoin the transformer power supply and transistor output stages, and it performs the same function at the same time the heat sink cooling the amplifier output stages. It is the lack of traditional heat sink and has significantly reduced the height of the Perreaux Audiant 80i. The board with the rest of the scheme is suspended on a subchassis on the floor below, but the ports location on the details of it to the bottom of the sheet metal does not get, and just outside the bottom of the chassis support legs are attached.



The power transformer capacity of about 400VA is almost half of the internal space, with particular attention to the developers installed power amplifier is felt when calculating the total capacitance of the capacitors in the filter power supply – it is equal to 26,400uF. There is also a separate transformer for the digital part of the scheme. The output MOSFET-transistors – Toshiba 2SJ1201/2SK1530 made in Japan, one pair for each of the two channels. The model is equipped with a phono stage for moving magnet (MM) cartridges and a DAC with a USB input for external digital sources. The amp

easily connects to your computer or music server, complete remote control allows you to control playback through iTunes or Windows Media Player. One of the analog inputs can be assigned to "home theater", dropping the signal directly to the output stages of the Perreaux Audiant 80i, it can be used in universal systems for film and music. There are also line preamplifier outputs - fixed and adjustable. A similar set of connections opens the possibility of additional processing devices. Built-in DAC settings 24-bit/96kHz allows supply to digital inputs and signals from the lower resolution, which the user desires upsample to higher values. USB input is limited to 16-bit/48kHz, which is partially offset by the same upsampling. The work of the amplifier captivates and calms – it's the first thing you notice. Bring pleasure to the faithful orchestra instrument timbres and expressive vocal warmth. Some time later, after the first delights and returning to the analytical ability to listen, there is surprisingly little hinderence due to the size of the amp to adequately transmit the contrasts of dynamics: sudden bursts of volume, characteristic of symphonic works, pass easily and openly. The relaxedness of macrodynamics is felt even in the fairly smooth section of rhythmic music, where the proportion of the odd drum beats repeat - the percussion attacks are precise, strong and elastic, and between them there is a pause heard, devoid of noise. Perreaux Audiant 80i has consistently maintained its comfortable and attractive sonic signature in the performance of music of different directions. **Alex Skorpilov**



DESIGN 90 BUILD QUALITY 95 SOUND 95 ERGONOMICS 90 **95%**

**+** Naturalness, mobility and the accuracy of the sound, rich functionality

**-** Low resolution at the USB input does not allow playback of some audio files without downsampling

The greatest merit of the amplifier is in its musicality. Each time, replacing differing in content of the phonogram, confronted with the fact that it is difficult to stop playing and curb their desire to listen to a record to the end

## MEASUREMENT

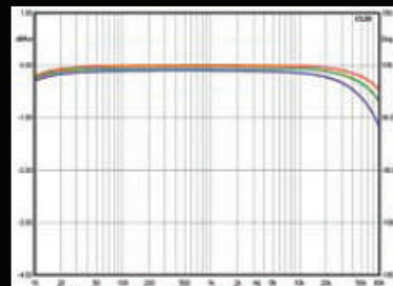


fig.1

The compact dimensions of the Perreaux Audiant 80i amplifier determine a relatively low output power. At 8 Ohm load the amp gives up to 104 Watts. Approximately the same number we get for 2 Ohm. The reason for this - no shortage of the power supply and operation of electronic protection. A feature of the amplifier is extremely small levels of THD over the entire range of frequencies for all loads (Fig. 2 to 8, 4 and 2 Ohm). High damping factor – 270 at 80 Hz.

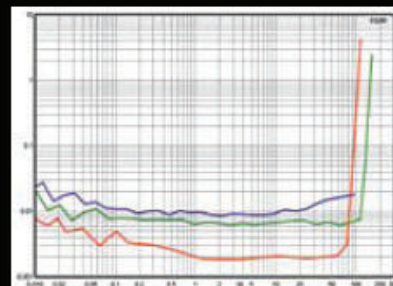


fig.2

Reduced to the level of the input signal the value of noise is 110 dBA. The uneven frequency response in the band 20 Hz - 20 kHz does not exceed 0.07 dB. The decline in the graph to 80 kHz was 0.47 dB (Fig. 1). Frequency distortions are stable. The level of the signal reveals the penetrating growth only in the high frequencies and at 10 kHz is -65 dB, which is below the threshold of discernibility.

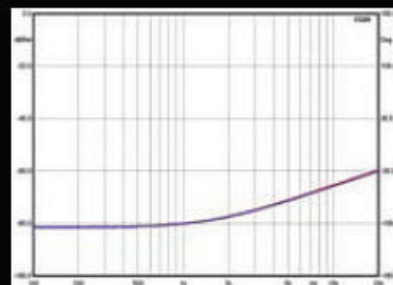


fig.3