

/ BANC D'ESSAI

Amplificateur intégré

YBA PASSION IA350

PAR PIERRE FONTAINE



YBA "Passion"
IA350 Integrated + DAC

VuMetre Magazine
April, 2016

The participation of Yves-Bernard André is not that a simple marketing approach, a buffer on the paper to formalize the Act. In an interview in 2013 by the Internet Magazine Mono & Stereo during which was YBA on its journey with the brand, he indicated he was personally involved in the final approval of all electronic at different levels, in particular in the specification of many components that come directly from France, including for the fully electronic assemblies in China, and in the evaluation of sound of products before it is decided to produce them.

It listens for example each electronic signatures, the series very top of the range, before it is shipped. And when one learns that criteria such as the emotion and

pleasure are essential indicators of a successful electronic for the French designer a great amateur of LPS (it has more than 5 000...), you can easily imagine the level of sound quality of each product YBA.

But thee not more, thou hast not changed since their creation in 1971, the secret of the musicality of electronic YBA lies in their design which combines the elegance and simplicity. The diagram fully symmetrical concatenates the differential input of a source of current to transistor, two floors of polarized gain in a class and each consisting of two complementary transistors to finish by the output stage in which the number of transistors varies in function of the desired power. The transistors in last resort selected for their qualities to the listening are before this sorted according to specific technical criteria, the low noise for the floors of entry and gain in voltage, the bandwidth for the very broad drivers and the capabilities in current for the transistors of output.

The Passion IA350 follows this logic of the implacable symmetry since its power.

The construction dual mono fact appeal to two large transformers to the magnetic structure in stacked plate Grain-oriented to the silicon for the tensions issued to analog floors. The two impregnated transformers under vacuum during forty-eight hours are mounted on four feet energy absorbing that absorb the vibrations for do not transmit them to other components. A third transformer, ring and scuppered, is in charge of the power supply to the digital floors. You guessed it, the IA350 is equipped with a converter and a USB input-B which will allow you to connect to your computer.

The cover, the thick flange of 9 mm, the front and rear are all in aluminum. A set of three massive feet in aluminum frees the device from the vibrations by flow to the cradle. Only the front foot under the transformers refitting by a contact Frank and constitutes the path of evacuation main vibration, the rear feet are, as to them, completed by a flexible blade. Two sections of rehabilitation and of filtering are assigned to the creation of the symmetric voltages intended for floors distributed audio on a single printed circuit board.

The implementation of the components of the left channel is a copy-paste the right channel. The majority of the resistors small signals are models of power and accuracy stamped YBA manufactured specifically for the manufacturer. Small

pieces of wood are glued on certain components and the choice very varied capacitors liaison and decoupling has been visibly dictated after eavesdropping. We recognize here the bracket Yves-Bernard André in matter of optimization. The four pairs of bipolar transistors complementary NJW21193 and 194 of two double push-pull output to evacuate their calories toward a radiator to the fins very thick. The selector of sources switches the analog and digital inputs through relay.

The analog signal passes through a chip Burr Brown PGA2320, a stereo control of volume to digital management, before continuing toward the floor of entry. The digital section whose power is interruptible, for a increased silence in listening analogue, is trapped between cards and housing to the rear of the device. At the center of this section, a circuit Cirrus Logic CS4398 directs the Operations of the conversion to digital to analog. Despite the compatibility of this circuit with the DSD, the manufacturer has held to the reading of the PCM format up to 24-bit and 192 kHz recognized on all digital inputs.

The sound the designer of this Passion IA350 listens to music before drawing its schemas, it means! This integrated rejoice the music lovers through musical qualities amazing. This is not far and away the most powerful in this installment of price, but it is without complex and with obvious qualities that it rings The musical load. In the first place, there is the stamps which are evidence of a large neutrality on the whole of the bandwidth. A top of the natural spectrum and who file without bitterness tonal, a fluid medium, Distinguished, and very beautiful textures on the voice, such as absolutely fascinating of Ruth Brown on be everything. The grave is well kept and without showboat, the seat of the YBA on communications from the lab of Laurent Garnier consolidates the foundations of the song.

The records are merged together in an aesthetic sound that reminds us by certain sides those of an amplifier to tubes. The dynamic is at the rendez-vous, the stereo image perfectly focused makes us forget the presence of the pregnant. Even when Monte the level, the distortion does not point on the transient impetuous, a sign of a schema and a power supply perfectly organized.

But what jumps to the ears, it is the absence of subjective coloration of IA350. It was never the impression of having to deal with a sound repetitive but to a great diversity of tonal colors and a guarantee of transparency and definition. The

attacks spend with a lot of ease. If he has a real sense of rhythm that enthusiasm on the haunting blues losing hand by Harry Belafonte, it does not seek to be the fastest. It is more close to the instrument of music as the instrument of measures, and it is this which makes all the difference.

Then if you still doubt of the quality of new YBA, there is more to hesitate for one moment. The Passion IA350 is a fine example of what an international partnership well led can be when it meets the technical competence and the financial means. The very beautiful work!



