

LA SOURCE

audioaéro



LASOURCE

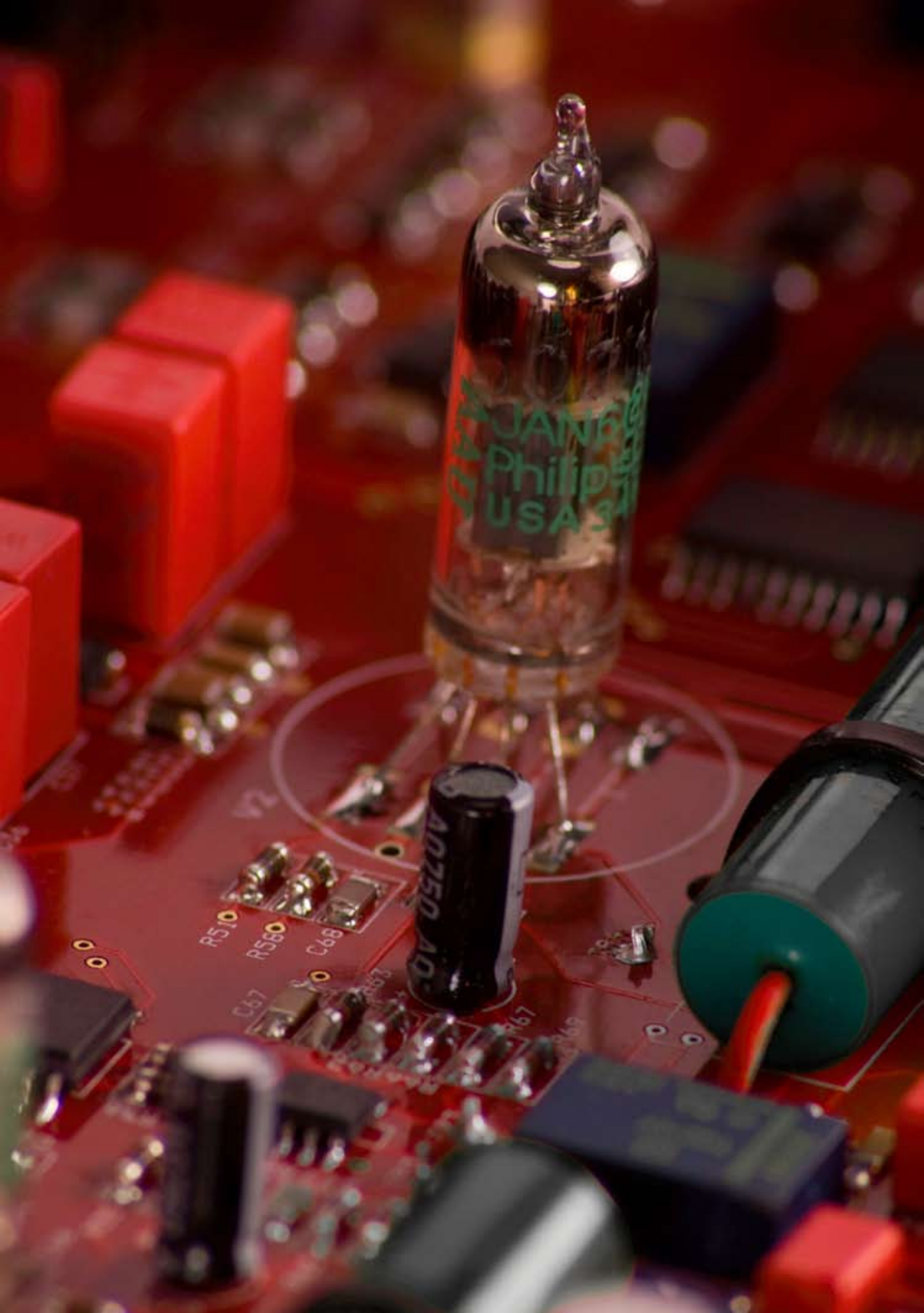
Passion for music is simply the reason why Audio Aero exists. Since 1997, we have been developing and manufacturing some of the best audiophile CD players in the world, without compromise. Our philosophy is to reproduce the most natural and realistic sound, bringing the emotion out of the music.

To do so, Audio Aero has developed a unique concept of Hybrid circuitry featuring the most accurate digital treatment using an exclusive 32 bit re-sampling technology and subminiature tube output stage. This exclusive process represents the missing links between the analogue and digital worlds. The advantages are obvious once experienced.

For the first time in our history, Audio Aero Design has decided to create its top of the line CD/SACD Player : « La Source » This creation is our own « interpretation » of the ultimate Source, using not only the latest technology available in the digital domain, but also the synthesis of all our know-how accumulated over 10 years of experience, testing and listening.

We hope you will enjoy and feel the same deep emotion we experienced when we finalized the design of this new player.





Transport Mechanism

Rigorous testing and previous experience is what determined our selection of the new state of the Art Esoteric VRDS-NEO / VMK 5 transport mechanism. This new transport is optimized for high speed rotational requirements of both SACD and CD. La Source incorporates this newly developed, high precision aluminium turntable and new drive mechanism, equipped with a unique anti-resonance polycarbonate disc clamp. The result is a flawless extraction of information from the source media.



Ultra high rigid construction

Extremely rigid chassis construction isolates the drive from internal and external vibration. The main chassis consists of a 10mm – thick/30 lbs steel bottom frame that provides a rigid, stable base for the player, improving the reading accuracy. Thick anodised aluminium is used on the top and front panel, manufactured in a 50 mm aluminium ingot. Thanks to this complete inert housing, small vibrations that could affect the lens or the clock precision are totally isolated. The chassis is supported by 3 high performance feet that allow the unit to be perfectly isolated from its support stand.



Digital and analogue signal processing

In order to extract the data with the best performance possible, we have optimized La Source to a new level, previously not attainable until now:

- Premium quality board

We designed a top quality board with 24K gold plated contacts and 70 ppm copper circuit that allows for a perfect flow of data.

- Exclusive Audio Aero digital processing S.T.A.R.S Evolution module

Audio Aero teamed up with Anagram Technologies to develop the ultimate digital treatment possible: Based on a DSP 32 bits/384 kHz with 2 channel Asynchronous Sample rate converter, the digital output is driving 2 DAC's in dual mono mode.

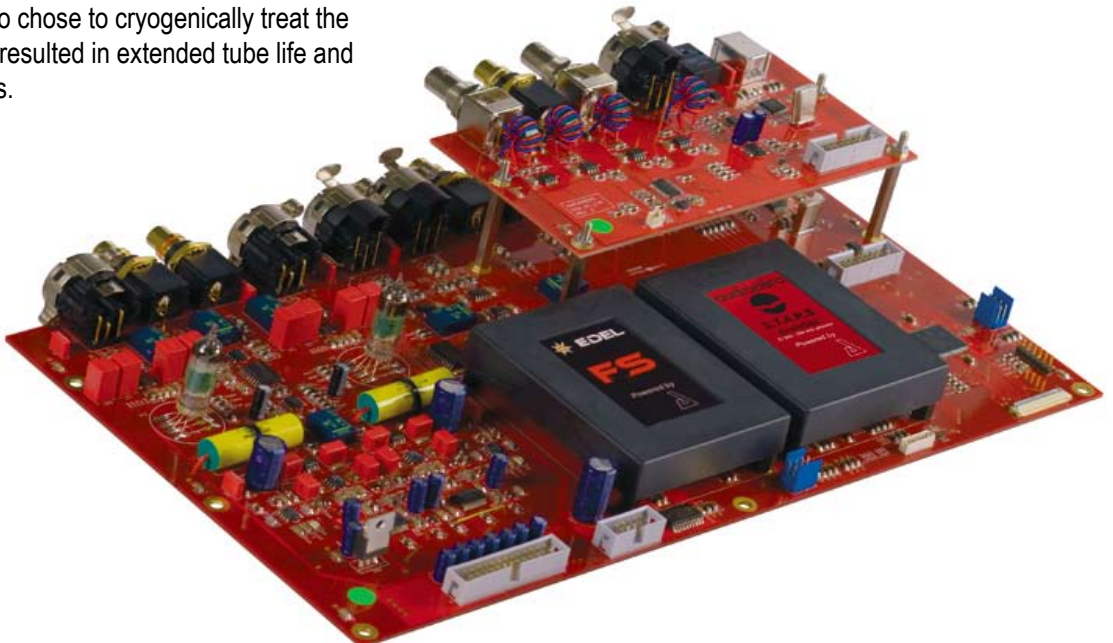


Dedicated ultra-low jitter Master clock

We combined our exclusive S.T.A.R.S Evolution process with a dedicated ultra low jitter Master clock that incorporates a high grade natural quartz crystal. This resulted in a new level of noise reduction and digital artifact reduction (including Jitter) with less than 1ps of RMS Jitter. Through this process we were able to facilitate a truly accurate digital audio signal that creates unequalled spaciousness and richly detailed sound.

Dual mono dac + tubes outputs

After our exclusive S.T.A.R.S Evolution treatment to the digital signal, we chose to re-design our analogue output stage. We selected the subminiature dual triode 6021W from Jan. Philips directly soldered on the PCB board for perfect contact. We also chose to cryogenically treat the valves and this resulted in extended tube life and improved sonics.



Power supply

The new hybrid power supply has been developed to provide extremely stable power with high linearity to each module of the player.

Each module receives its own regulator with specific tension for the application. Both analogue and digital stages have their own dedicated power supplies, this eliminates all residual noise

and interference between the digital and analogical domain. We also implemented the latest generation of Mos-Fet integrated circuitry to lower the noise in the signal path.



Connexions

Fixed output or variable output with volume control.

- Fixed output : 3 levels available : 2, 3, 4 V
- Variable output : The volume is controlled in the analogue domain as this process is the best way to avoid any loss of resolution. This is achieved by a high quality "ladder" attenuator.

The preamp output, with a maximum 7V output, allows driving virtually any amplifier offered on the market today.

- Dedicated USB input

Allows plugging any digital source directly through the USB port.

- 5 independent digital inputs for a totally versatile player





Preliminary technical specifications

- Analogue outputs : single-ended RCA and balanced XLR
- Analogue inputs : single-ended RCA and balanced XLR
- Digital output : BNC
- Digital inputs : BNC, RCA, TOSLINK, AT&T, USB
- Frequency range :
3Hz – 48kHz (-1dB) with SACD or 24/96kHz input
5Hz – 21kHz (-1 dB) with CD or 16/44.1kHz input
- Output voltage :
2, 3 or 4 V RMS in fixed output mode
Up to 7 V RMS in variable output mode
- Output impedance : 100 Ohms
- Signal to Noise ratio : 129 dB
- Total Harmonic distortion : < 0.1 %
- Read software : CD, CD-R, CD-RW, SACD
- Power supply : 100 – 240 VAC, 50/60 Hz
- Weight : 55 lbs.
- Dimensions : 18.50 × 17.32 × 6.30 inches





audioaéro

AUDIO AERO DESIGN
41-45 Avenue des Chasséens
ZI Avon
13120 GARDANNE - France

Phone : +33 442 39 25 28

Fax : +33 442 39 25 20

www.audioaero.com

