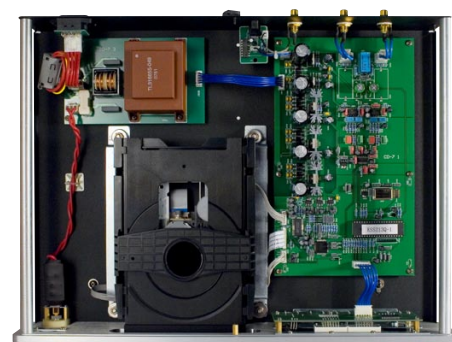
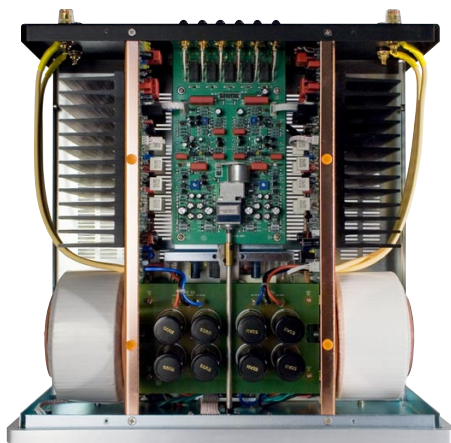


# VECTEUR®

High End Electronic for Music



[www.vecteur-acoustic.com](http://www.vecteur-acoustic.com)



The integrated amplifier **Ai6** is using a new circuit technology engineered by **Vecteur** on the basis of the **XDrive A** design.

This technology is extending the domain of **Class A** application without increasing the energy consumption.

Our **XDrive A** technology enables to keep working in **Class A** at high power when most of the amplifiers go down in Class B under these conditions.

Sound quality and high dynamics which are mark of excellence of class A are maintained well beyond normal limits.

This exceptional feature had to be associated with a new multi-stage power supply, which coupled to an adaptive-bias circuit, improves the signal-to-noise ratio in a spectacular way.

The result is extreme high purity and listening comfort, even when listening at high level to strong dynamic music segments...

With a maximum current capacity of 60 A when the transformer capacity per channel was designed up to 800 A, the **Ai6** succeeds absorbing without any problem any high wave of dynamic low frequencies.

The completely symmetrical internal configuration of the **Ai6** maintains the tradition of Vecteur: this symmetrical configuration guaranties very high power with a very low noise.

The integrated amplifier **Ai4**'s design derives from **XDrive A** technology, which is proprietary to **Vecteur** and used in our reference models **Ai6** and **Ai8**.

This technology extends **Class A** values to the complete spectrum of use of the amplifier without any additional energy consumption.

Our **XDrive A** technology enables to keep working in **Class A** at high power when most of the amplifiers go down in Class B under these conditions.

Sound quality and high dynamics which are the mark of excellence of **Class A** are maintained well beyond normal limits.

The care we put in designing the power supply stage, the fact that we use components selected for their musicality and which we sort for our specific application, all this is making it possible to deliver to you a sound quality without compromises.

Then, the anti-resonant chassis and the IR remote control bring the final touch to an optimized design we defined in order to give you the best of our know how.

With the laser player Vecteur **CDi4**, our intention was to capitalize on our know how and acoustic signature that is the basis of our reputation.

First device of a new generation of laser players, the **CDi4** is a critical milestone in our evolution of Vecteur's production toward excellence in terms of technical reliability and the feeling of music emotion.

Built around an optimized Philips transport, we implemented the latest generation of Cirrus Logic converter, and gave it a separate power supply.

As usual, we took a particular care in selecting a high quality power supply with a specific transformer.

Last but not least, the anti-resonant damped chassis and a all-functions remote control put the final touch to a product which is meant to deliver the best of our know how.

**Pre-amplifier Stage**

Input impedance	47 kOhm
Voltage gain	9,5 dB +/- 0,5 dB
Frequency response	5 Hz – 20 KHz +/- 0,5 dB
Signal to noise ratio	> à 100 dB (A-weighted)
Maximum output level	> 12 Vrms (THD inf. to 0,1 %)
Non-linear distortion	< 0,03% (10 Hz – 20 KHz, 1,5 V)

**Amplifier Stage**

Input impedance	100 kOhm
Voltage gain	29,5 dB +/- 0,3 dB (1 kHz)
Output power	2 x 150 W @ 8 Ohm 2 x 300 W @ 4 Ohm
Frequency response	5 Hz – 20 kHz +/- 1 dB
Non-linear distortion	< 0,2 % (20 Hz – 20 kHz, 150 W, 8 Ohm)
Damp	> 200
Signal to noise ratio	> 116 dB (A-weighted)

**Overall**

AC power supply Réf 295623	230 V (+/- 5%) 50 Hz 800 VA (max.) for Europe
AC power supply Réf 295625	115 V (+/- 5%) 50 Hz 800 VA (max.) USA/Japon
Dimensions (LxHxP)	434 mm x 180 mm x 420 mm
Shipping weight	31 kg
IR Remote Control	

**Technical specifications**

Input impedance	> 30 kOhm
Sensitivity	300 mV Rms
Output power	2 x 100 W (1kHz 8 Ohm) 2x 150 W (1 kHz 4 Ohm)
Frequency response	10 Hz – 40 KHz +/- 0,5 dB
Non-linear distortion	< 0,08% (1 kHz 90 W 8 Ohm)
Signal to noise ratio	> 100 dB (A-weighted)

**Overall**

Power supply	230 V (+/- 5%) 50 Hz
adaptable by switch	500 VA (max.) for Europe 115 V (+/- 5%) 50 Hz 500 VA (max.) USA/Japon
Headphone output impedance	60 to 600 Ohm
Dimensions (LxHxP)	434 mm x 105 mm x 358 mm
Shipping weight	12 kg
IR Remote Control	

**Technical specifications**

• Compact Disc audio system	
• Modified Philips CAM12 transport and servo CD-7	
• PCM4390 Cirrus Logic Converter	
• Specific VTS (Vecteur Time Synchronizer) clock	
• 6 power supply stabilisation circuits	
• High Efficiency Toroidal transformer (sealed in metal pot)	
Power supply	110V-220V, 50-60 Hz switch able
Power consumption	15 W (for reference only)

**Digital Audio characteristics**

Frequency response	20 Hz- 20KHz +/- 3 dB
Signal to noise ratio	> 110 dB
Dynamic range	120 dB
Total Harmonic distortion	0,0028%
Output level	1,93Vp-p
Search time	< 5s
Digital Coaxial Output	according to standard S/PDIF

**Overall**

Dimensions (LxHxP)	430 x 92 x 325 mm
Shipping weight	7 kg
IR Remote Control	