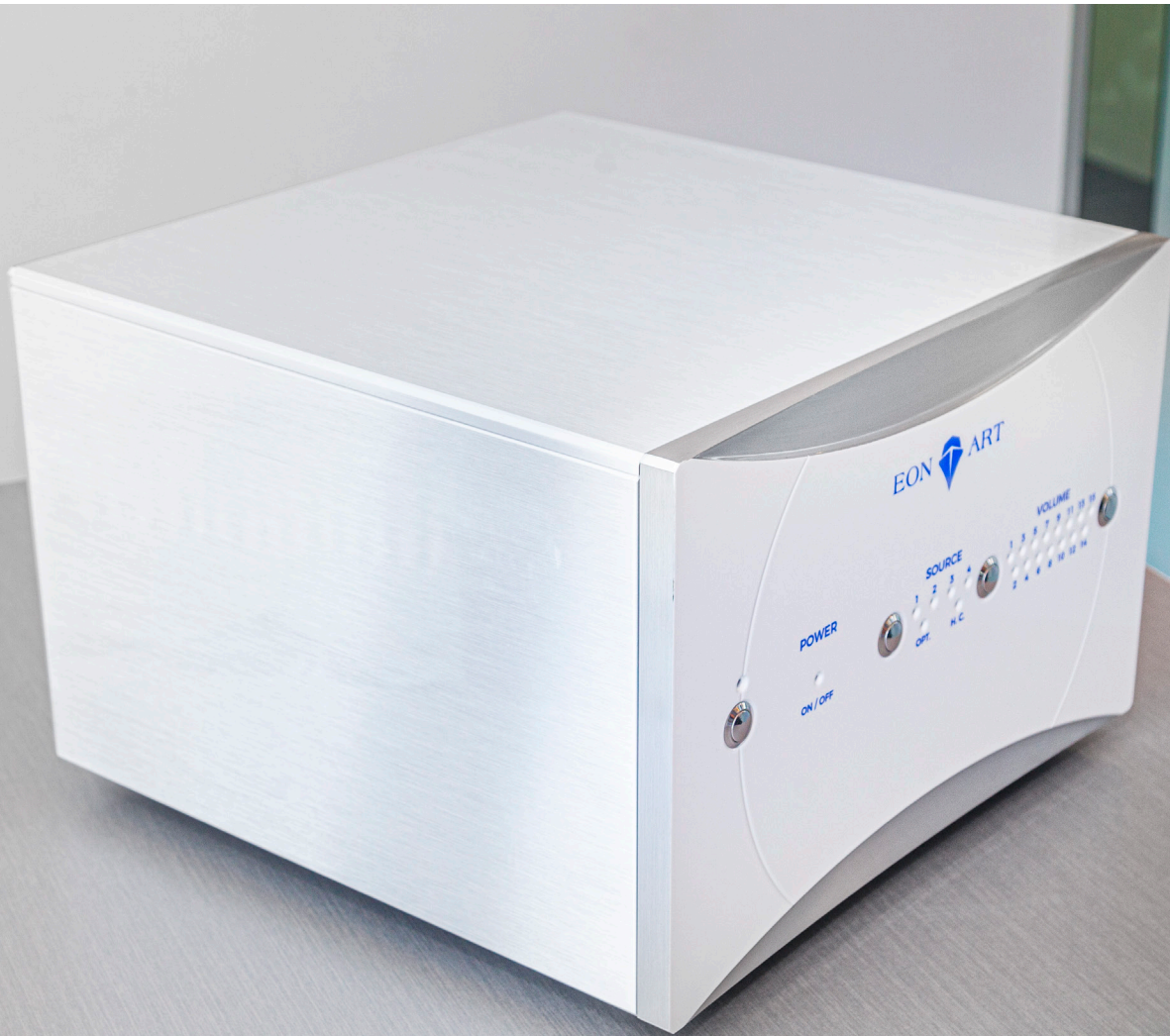




EON ART

# BOSON

MONOPHONIC INTEGRATED AMPLIFIER



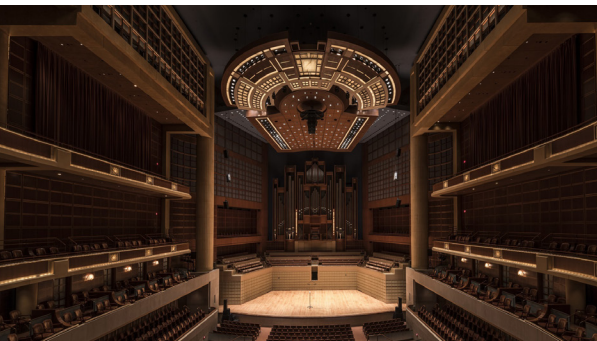
250 Wrms (8 $\Omega$ ), 400 Wrms (4 $\Omega$ ) de TYPE A+D

Le Boson  
Amplificateur Intégré  
Hybride Monophonique

Our solution is unique. First it offers the best of what transistors and lamps can mutually offer; this translates into warmth, neutrality and power. Second, the Boson monophonic integrated has a modular card for for easy replacement of all its usable components making the system the first monophonic block ecologically minded HiFi amplifier in the world. Finally, it offer the best warranty in the industry.

The Boson has scaling capabilities and can be integrated into the majority of existing listening room configurations. This is giving you more options in the system choices. The control of all the amplifiers of the system can be done with the front buttons of any of the Boson, the others replicating on the one touched, or by remote control or computer program.

Eon Art amplifiers use only proven and tested technologies. Some of these originated in the medical, jet fighter and marine electronic worlds. We hope to be able to find our amplifiers in a growing number of yachts and prestigious residences.



Eon Art and the Boson are the creation and implementation of Mr. Stéphane Hautcoeur. Research and development began in France in 2008 and continued in Canada until 2020. These 12 years offer us the Boson Hybrid Monophonic integrated amplifier.

## About EON Art



Each amplifier implements a single amplification channel including also the preamplification with the double of the power supply of an integrated stereo amplifier. You connect your sources directly to the Boson blocs. It offers 20% more power and twice the power reserve than its little brother the Quark amplifier; which gives it even more bottom. You can connect many Boson to the same source line with an internal Lundahl splitter.

Eon Art Canada Inc. is the result of 2012 merger of Eon Art Haute Fidélité of Canada and Venus Acoustic of France, manufacturer of very high level loudspeakers founded by Nicolas Dutrieux. The company is based in Chandler, Quebec, Canada and is in partnership with Ocean Marine, a marine electronics firm.

Music can be defined as the immediate and pure transmission of emotions through sound. The recognition of the finest detail must be done in a natural way and the Boson of Eon Art makes it possible.





**Front view:** Simple and flexible design inspired by the yacht Lady M. Cabinet finishing and assembly by Oracle Audio Technologies.



**View 3/4:** A 7 mm aluminum case on a semi-precious Labradorite stone base with a massive 19mm façade.



**Top view:** A shield that protects against most electromagnetic waves and a unique high gloss finish.

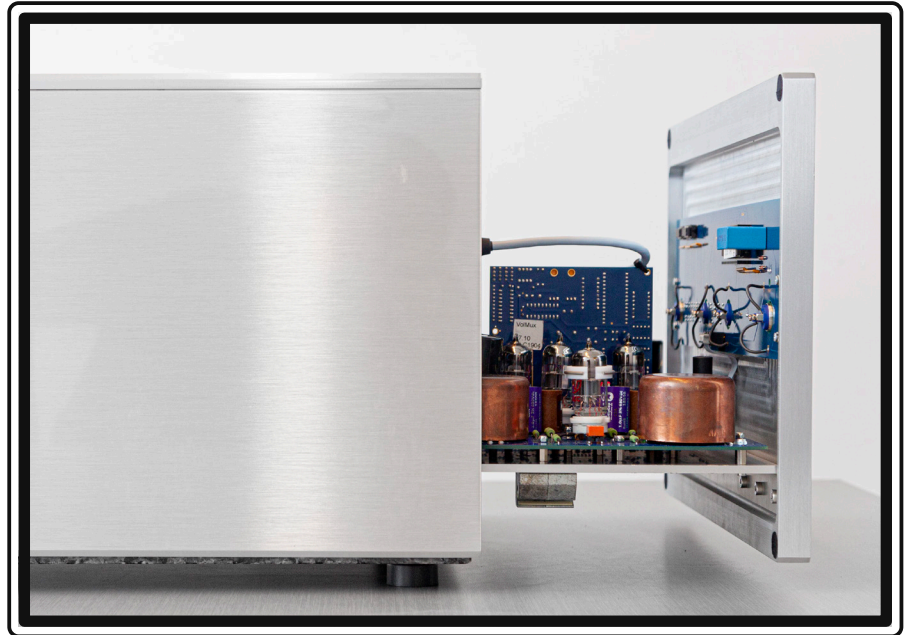


**Rear view:** A lock secures access to the rail system and the inside of the enclosure.



**The only high-end A+D monophonic amplifier in the world.**

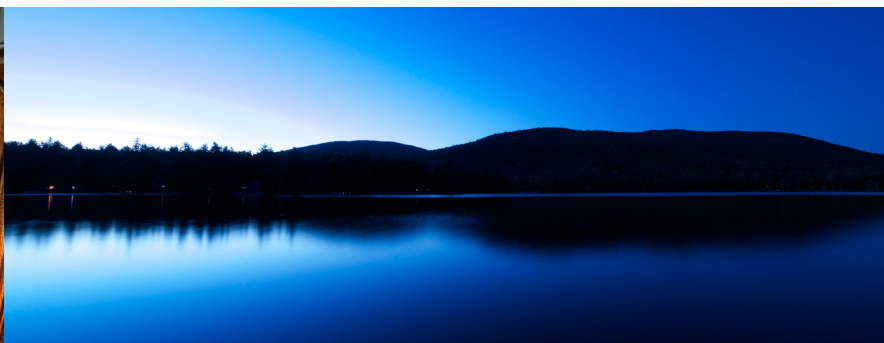
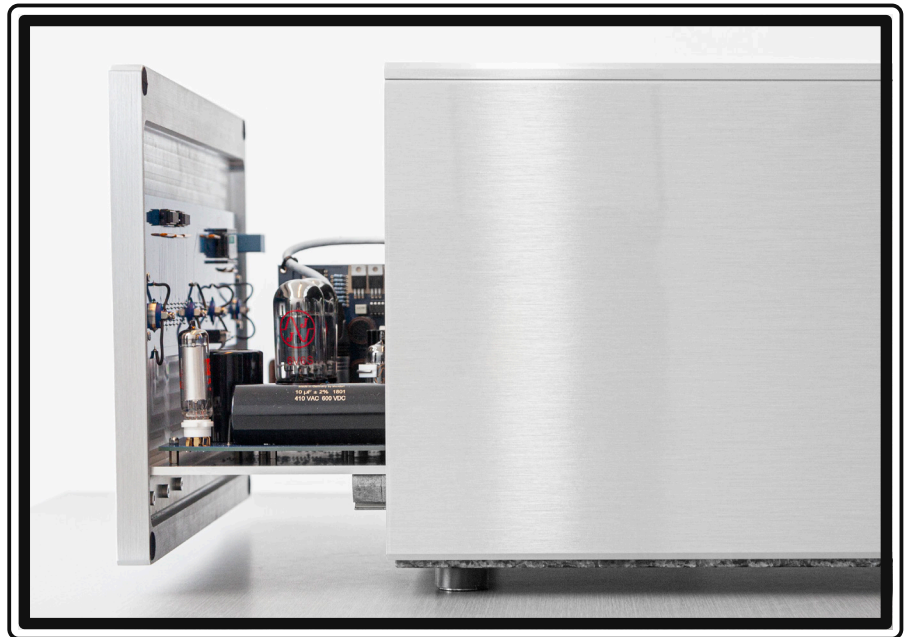
Experience unique musical emotions with this masterpiece of computer science. A generous power at all levels of volume that retains a warm, soft and transparent sound. Not only is this amplifier unique, it is revolutionary in its sustainability and environmental aspects. In addition, it has the longest guarantee of his class.



**First Class Design**

Taking out the cradle on its rail system you immediately notice a new architecture.

Made with expertise it is intended to make music; not only to push sounds. The components are carefully selected and tested in order to recreate a hearing experience identical to what you would have experienced during the recording.



## Neutrality

The capacitors used on the path of the audio signal are all audiophile quality and bear the brands of recognized suppliers such as Amtrans, Clarity, Duelund, Mundorf and Solen. Those used in the most sensitive places are shielded. We ensured that their quantity was adjusted to provide no phase rotation and to use multiple complementary models with a different sound signature in order not to exacerbate it. We thus avoid the usual problems with the use of capacitors and guarantee the utmost neutrality of their action on the music.

## Exclusivity

Since 2018, Eon Art Canada is the only amplifier company that has managed to produce an architecture that optimizes the selection of its components with a super-computer simulation-assisted design process which allows to optimize the value and the choice of components. This results in a tube sound, that is, with details, image, and emotions without being limited to high efficiency loudspeakers that would otherwise be needed. It is admitted that, the great force exclusive to the Boson, is also to be able to drive loudspeakers with difficult behavior without the traditional compromises.

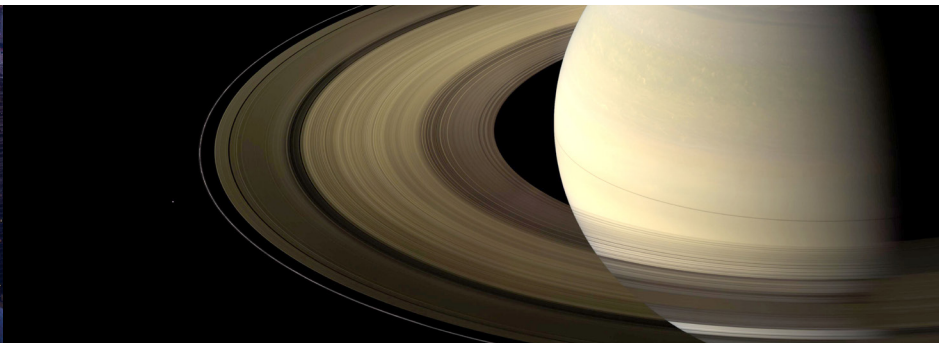
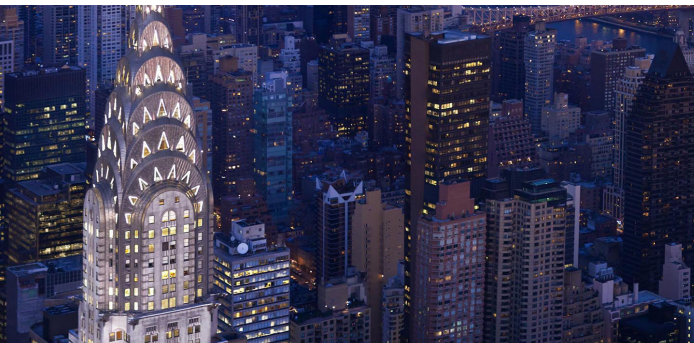


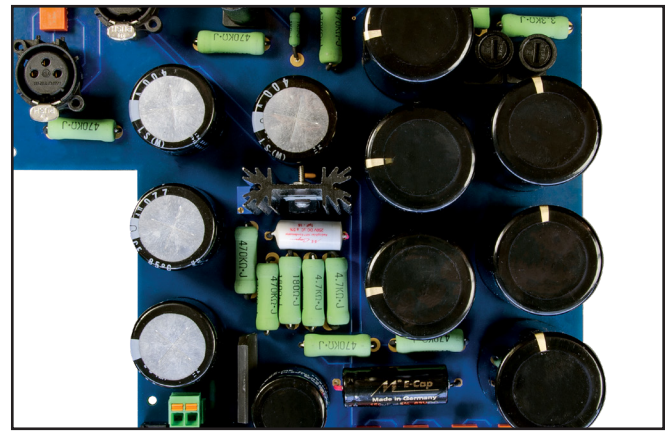
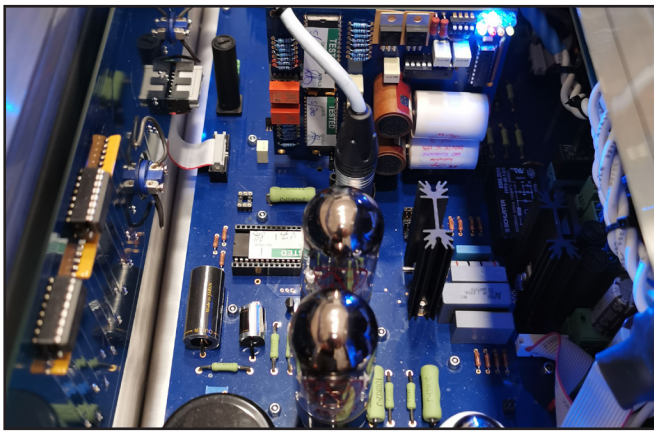
### Ultra low distortion volume control

Amplifier volume level is controlled by a set of individual high stability, very high precision and medical grade, thin metal film resistors which are selected by transistors. The complete absence of relays and mechanical potentiometers, as well as the circuit topology guaranteed a rate of distortion lower than those offered by competitors volume controllers, without any mechanical wear.

### Quality control

Each printed circuit board is subjected to rigorous automated testing after welding its components using specific computerized analyzers. The equipment is then tested for endurance and stability for twenty-four hours at full power under the eye of a 64-channel M300 Acquisition Center. An Audio Precision analyzer is used to prove that each amplifier reproduces complex musical signals according to ultra-high restrictive standards that we have selected and the most rigorous in the industry. Of course we also listen to each Boson in a reference system. Each step of the assembly and qualitative process is documented and signed by the various stakeholders in a certificate to the owner.





## BOSON - 250W MONOPHONIC INTEGRATED AMPLIFIER

Brand	Eon Art	Operating mode	Integrated Amplifier, Amplifier, Home Cinema, Optional mode
Model	Boson	Home Cinema	Direct + Volume
Type	Integrated mono amplifier	Environmental responsibility	All-component replacement modules and 5 year calendar with the use of a circuit board holding the wearable components.
Classe	A+D / vs-vp - ad	Repair Index	8/10 - Specialist required
Buffer Stage	audiophiles discrete AOP & regulators	Life Cycle	50 years when Recommended schedule is adhered to.
Gain	40.117 dB	Warranty	Full product 10 YEARS - Full product (5 years wearable components board)
Rated Power (1kHz, 120 VAC)	4 Ω 400 W rms, 8 Ω 250 W rms	Wearables components board maintenance	5 YEAR's Recommended schedule
S/N ratio reference to rated output	91.153 dB	Inputs	4 x RCA Stereo
Frequency response 20 Hz - 20 kHz	0.853 dB	Optional Input Module	RCA, XLR, Phono MM, DAC
THD + N @ 250 W RMS	0.3498%	Outputs	Lundahl transformer input line splitter
Input sensitivity	1 V rms	Low light mode	Always ON / 10 sec-delay
Preamp input impedance	41 kΩ	Number of printed circuit boards	Eight (8 x)
Preamp direct mode input impedance	2.28 kΩ	Board thickness	2.5 mm (twice the industry standard)
Amplifier output impedance	11 m Ω f < 1kHz, 35m Ω f < 20kHz	Qty of layers	Eight (8 x)
Damping factor	> 400	Board colour	Reflective blue
Amplifier current limit	20 A	Thickness of copper track	70 micron copper for each layer
Efficiency (amp only)	92%	Auxiliary supply filter	Medical grade, IEC60601-1
Efficiency (amp+preamp)	90.33%	Microprocessors	Three (3), 1x control, 2x sound parameters
Volume Controller	Analogical transistors switching ultra-low distortion medical Thin Film resistors network	Internal network	I2C, 100 kbit/s
Distortion, volume controller, min. level	0.37%	Shielding	Faraday cage in sensible zones and antistatic windings on transformers
Distortion, volume controller, max. level	0.052%	Signal capacitors	Amtrans, Clarity, Duelund, Solen
Pre-amp tubes (3x)	Recommended E88CC JJ TESLA (6922 / 6H23N-EB)	Amplifier capacitive reserve	Mainly Mundorf > 194,293 μF
Power supply tubes (5x)	Recommended JJ TESLA 1x 5AR4 / GZ34, 1 x 12AX7, 2 x 6V6G, 1 x 0B2	Internal cabling	Tin plated OFC Supra Ply and Eff, High voltage and temperature silicon insulated tin plated OFC, Supra Lorad 3 x 1.5 mm tin plated OFC
Soft-start & Pre-heat	5 mins. minimum / 30 mins. optimal	Audio Connectors	Supra, Neutrik
Remote turn-on & control	Bluetooth, RF + WiFi via EonArt API, iOS et Android, Linux.	Casing	Brushed aluminium - 7 mm alloy chassis with quick access rail system; Faraday-cage effect, 19 mm solid front panel
Links and control between multiple Boson	Eon Link (No noise proprietary link)	Access Security	Front access drawer-motion access
Cooling	Natural convection	Base	Rear lock with key
Protection mechanisms			7 mm Brushed aluminium alloy on 20 mm Labradorite semi-precious stone; Soundcare feet. Microphonic vibration neutralizer
Thermal Excess	Built-in automatic shutoff	Assembly	Handmade in Canada by Eon Art
Over current from internal source	Built-in automatic shutoff	Casing assembly	Handmade finish and assembly by Oracle Audio Technologies
Over voltage from internal source	Built-in automatic shutoff	Quality control	Five-level procedure
Fuses	(10) 2 main, 8 internals	Product certification	Audio Precision and Rigol analysers
Selfdiagnosis	Bluetooth, LED's, microprocessors	Musical quality	Listening session for each product
Power supplies	Total of 13	Availability	50 x units per year, numbered edition, sold by set of 2, 4 or 6
DC power supplies	10 of which 2 of Kelvin type regulations in discrete components		
AC power supplies	3		
Transformers	15 secondary windings in 3 transformer for a total of 840 VA		
Maximum powerconsumption	840 W		
Inrush power consumption	2.23 A / 274 W		
Softstart	Yes		
Idle power consumption	2.46 W		
Supply voltage factory set	Americas, Europe, others		
AC mains input	IEC with Supra power cable		
Weight (per unit)	83.2 lbs / 37.74 kg		
Dimensions (W x H x D)	438 mm x 435 mm x 320 mm		

Stéphane Hautcoeur  
Président, EON Art Canada Inc.  
Fondateur, CTO  
www.eon-art.com  
info@eon-art.com



Eon Art Canada Inc.  
79 Rue Commerciale Ouest  
Chandler, QC  
G0C 1K0, Canada