CANOR


*30 Years in the Hi-Fi Industry*

# 30 years of experience in Hi-Fi audio

At CANOR, we have been dedicated to designing top-of-the-line audio products. From the very beginning, we have specialized in vacuum tube technology, which was subsequently complemented by solid-state solutions.

Our first integrated tube amplifier, TP101, was showcased at an exhibition in Brno, Czech Republic, in April 1995. Our goal at CANOR is to produce audio devices that provide exceptional performance while also maintaining a high level of comfort and aesthetics.

It's hard to believe, but it's true—CANOR is celebrating 30th Anniversary since its establishment in 1995. After launching our first product, we've been on an incredible journey, including a major rebranding from EDGAR to CANOR that marked a new chapter in our story. Explore the defining milestones that have shaped our history.

### 1995

**TP101**

Launch of the pilot wooden-stainless steel chassis integrated tube amplifier.


### 2014

**CANOR AI 1.10**

The TP106 VR+ successor, a Class A KT88 integrated tube amplifier, set a new standard with its acclaimed sound quality and design.

### 2005

**TP105**

The TP105 integrated amplifier, inspired by the TP101, marked its debut as the first model with enclosed vacuum tubes.

### 2015

**New Factory**

We expanded to a new manufacturing facility spanning 8,000 m2.

## 2007

**EDGAR — CANOR**

EDGAR was rebranded to CANOR as a part of our evolution.

## 2008

**TP106 VR+ & CD2 VR+**

TP106 VR+ and CD2 VR+ introduced advanced circuits and a new design defining the next generation of CANOR products.

## 2011

**New Headquarters**

Opening of a new 1,300 m2 space for office and production purposes.

## 2012

**Aladdin System**

Introduction of a vacuum tube measurement system to precisely measure and match tubes, ensuring optimal product performance.

## 2014

**CMT**

Breakthrough CANOR Milling PCB Technology was introduced alongside the AI 1.10 integrated tube amplifier.


## 2018

**CANOR AI 1.20**

Our first-ever solid-state integrated amplifier has been launched on the market.

## 80 Employees

## 2020

**80 Employees Milestone**

The company reached the milestone of over 80 employees.


## 2022

**Reference line launched**

The launch of the HYPERION P1 preamplifier and VIRTUS M1 monoblock power amplifier marked the debut of CANOR's reference line.


## 2023

**New Product Generation**

The VIRTUS I2 amplifier and ASTERION V2 phono preamplifier brought the next gen. of products featuring significant enhancements.

## Apple MFi Certificate

## 2024

**Apple MFi Certificate**

CANOR earned Apple's production MFi certification, highlighting our commitment to top-quality and compatibility standards.

FOUNDATION LINE

# Virtus I4S

## Integrated Solid-State Amplifier

The Virtus I4S is a foundation line integrated amplifier featuring a built-in phono stage and headphone output.


### Main Features

- Refined central knob with an integrated 1.8-inch display combines a dual-bearing design, ultra-smooth rotation, and innovative CCD-based position sensing for precise, tactile control.
- Fully discrete dual-mono circuit technology.
- Discrete built-in headphone amplifier with top-notch parameters, sufficient to power the vast majority of high-quality headphones.
- Finest discrete phono amplifier supporting MM/MC with gain adjustment, a wide range of capacitance and impedance settings via front display.
- Exceptional 40 000 µF per-channel filtering capacity in the power supply allows the Virtus I4S to deliver deep, dynamic bass with precision and control.
- Low-distortion RCA output designed to support subwoofers or additional power amplifiers with a clean, precise signal.
- Low output impedance improves the overall amplifier's sonic performance thanks to the use of oversized output transistors and an unconventional circuit design.

## Highlights

01 Centrally placed control knob provides intuitive operation and a direct, tactile user experience.

02 Compact solution that merges integrated amp., phono preamplifier, and headphone amplifier.

03 Full discrete Class AB solid-state amplifier built on a true dual-mono architecture.

### Lifestyle device packed with high-end technology

A minimalist, modern design crafted from quality materials conceals high-end, fully discrete and dual-mono circuit technology. With solid power on tap, it delivers a clean, superior, engaging sound in a sleek lifestyle form.

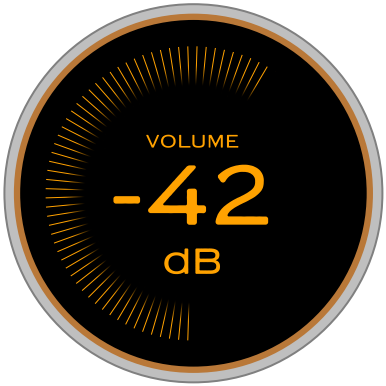
### Discrete XLR inputs, exceptional in this category

At this level, fully discrete balanced XLR inputs are exceptional. The Virtus I4S incorporates this design to ensure maximum synergy with the complementary DAC Verto D4S, allowing balanced signals to be handled with precision and delivering phenomenal sound.

### Finely tuned touchscreen user interface

1.8” LCD touchscreen allows full control of the device and all its functions with an intuitive and smooth user experience. Responsive touch navigation brings a new level of convenience, making interaction effortless and precise.

Virtus I4S
Home Screen




CANOR
XLR
Yuval Noah Harari
Homo Deus
Yuval Noah Harari
Sapiens
Hans Rosling
PIXAR
Lawrence Levy

## Technical Specification

| | |
|---|---|
| **Stereo Output Power** | 2 x 120 W / 4 Ω<br>2 x 75 W / 8 Ω |
| **Headphone Output Power** | 580 mW / 30 Ω<br>190 mW / 300 Ω |
| **Gain** | 35.5 dB |
| **Input Sensitivity** | 380 mV |
| **Gain Phono** | MM 40 dB, MM 46 dB<br>MC 60 dB, MC 66 dB |
| **Damping Factor at 1 kHz** | 160 / 4 Ω, 330 / 8 Ω |
| **Frequency Range** | 20 – 20 000 Hz / < -0.2 dB |
| **Input Impedance** | RCA: 50 kΩ, XLR: 100 kΩ |
| **Analog Inputs** | 1 pair RCA (Phono), 2 pairs RCA,<br>1 pair XLR |
| **Variable Output** | 1 pair RCA |
| **Headphone Output** | 6.3 mm jack |
| **Total Harmonic Distortion** | < 0.005 % / 1 kHz, 5 W |
| **Signal-to-noise ratio** | > 90 dB |
| **Trigger Connectors (12 V)** | 1 x IN, 1 x OUT (3.5 mm jack) |
| **Power** | 230 V / 50 – 60 Hz / 620 VA |
| **Dimensions (W x H x D)** | 430 x 75 x 310 mm |
| **Weight (Net)** | 12 kg |

Color variants

# Verto D4S

## Solid-State Digital to Analog Converter

The Verto D4S is a foundation line digital-to-analog converter offering a minimalist form factor and high-end performance.


### Main Features

- The Verto D4S employs a true dual-mono architecture, with a dedicated ESS Sabre 9038 DAC chip for each channel.
- The analog output stage is fully discrete and symmetrical, free of operational amplifiers, delivering high dynamic range with ultra-low noise performance.
- Coaxial, AES/EBU, USB and optical inputs are galvanically isolated, ensuring clean signal transmission and minimizing interference from the source device.
- The 7-inch touch display combines a simple, clear, and intuitive user interface, ensuring comfortable operation of the device. The screen is easy to read even from a distance, contributing to a smooth user experience. It shows all key information, including input, sampling frequency, selected digital filter, and other settings, giving the user an immediate overview of the device's status.
- The display offers two color theme options, allowing the user to select their preferred interface appearance.
- Verto D4S supports a wired firmware update.

## Highlights

01 Dual-mono discrete and symmetrical DAC architecture with galvanically isolated digital inputs ensures precisely separated signal paths.

02 Large high-resolution touchscreen is the visual and control device centerpiece, delivering intuitive operation.

03 The device supports all commonly used digital inputs, ensuring broad compatibility with today's audio sources.

## Technical Specification

| | |
|---|---|
| **DAC Configuration** | 2 x ESS9038Q2M (Dual-mono) |
| **Filter Settings** | 8 x Digital Filter |
| **Digital Inputs** | 1 x USB-C, 1 x AES/EBU, 1 x Coax, 2 x Opto, 1 x TV Input |
| **Analog Outputs** | 1 pair RCA, 1 pair XLR |
| **Output Impedance** | RCA: 100 Ω, XLR: 200 Ω |
| **Frequency Range** | 20 – 20 000 Hz / < -0.1 dB |
| **Total Harmonic Distortion** | < 0.0005 % |
| **Output Voltage** | RCA: 2 VRMS, XLR: 4 VRMS |
| **Signal-to-noise ratio** | > 112 dB (A-wt) |
| **Crosstalk** | < -127 dB |
| **Trigger Connectors (12 V)** | 1 x IN, 1 x OUT (3.5 mm jack) |
| **Power** | 230 V / 50 – 60 Hz / 30 VA |
| **Dimensions (W x H x D)** | 430 x 75 x 300 mm |
| **Weight (Net)** | 8 kg |

Color variants

# Virtus A3

## All-In-One Hybrid Amplifier

Virtus A3 is an All-In-One Dual Mono Hybrid Class A/AB Amplifier with a full suite of digital and analog inputs, integrating a power amplifier, phono preamplifier, headphone amplifier, and DAC.


### Main Features

- Four products in the single housing – a Hybrid Power Amplifier of class A/AB, A Phono Preamplifier, A Headphone Amplifier, and a DAC.
- The analog and digital signal paths are designed in a dual mono configuration with fully independent multi-stage regulated power supplies for each channel.
- A fully discrete Phono Preamplifier supports both MM and MC cartridges.
- A discrete, fully symmetrical, balanced headphone amplifier stage for both single-ended and balanced headphone outputs is included.
- The Virtus A3 also offers Class A single-ended and balanced preamplifier line outputs to facilitate additional external Power Amplifiers supporting active speaker or subwoofer systems.
- A custom-designed, highly efficient cooling system using heat pipe heatsinks.
- The control knob is securely housed in a precision double-row bearing with a touch display located in the middle.

## Highlights

01 **All-In-One – Phono Preamplifier, Headphone Amplifier, Integrated Hybrid Amplifier, and DAC.**

02 **Unique amplifier topology – Brings the benefits of superior Class A audio performance and its linearity with the benefits of lower Class AB power dissipation.**

03 **Touch screen control – A revolutionary method for interacting with a CANOR device.**

## About Virtus A3

The 100+ W power amplifier features a tube-based balanced differential input stage and differential feedback paths, followed by a Class A current-dumping output stage where a low-power Class A amplifier is always in control of the speaker load with a high-power Class AB stage providing the heavier load current.

This unique current-dumping topology ensures that the low-power ultra linear Class A stage is always in control of the speaker load with the "brute force" power provided by the Class AB stage – this Class AB stage effectively isolates the "delicate" Class A stage from complex speaker load currents.

The topology ensures that there is no transition between Class A and Class AB operating modes, resulting in the benefits of superior Class A audio performance and signal linearity with the benefits of lower Class AB power dissipation.

## The whole new level of interaction with a CANOR device

For the first time ever in our product, we implemented a touch display in Virtus A3. The intention was to bring a whole new way of interaction experience with a CANOR device. The display offers all the features and settings accessible with just a finger tap. The UI works exactly how you would expect with a rotary knob all around the display making it as simple as possible to control Virtus A3.


CANOR screen saver


Input selection

Right and left channel
VU meters


Load capacity MM and input
capacitance selection


Digital filter selection

## Technical Specification

| | |
|---|---|
| **Stereo Output Power** | 2 x 150 W / 4 Ω (Dynamic Power)<br>2 x 100 W / 8 Ω (Dynamic Power) |
| **Headphone Unbalanced Output** | 500 mW / 30 Ω<br>70 mW / 300 Ω |
| **Headphone Balanced Output** | 500 mW / 30 Ω<br>270 mW / 300 Ω |
| **Gain** | 34.5 dB |
| **Input Sensitivity** | 550 mV |
| **Gain Phono** | MM 40 / 46 dB, MC 60 / 66 dB |
| **Damping Factor** | 180 / 4 Ω<br>380 / 8 Ω |
| **Frequency Range** | 10 – 35 000 Hz (± 0.5 dB / 5 W) |
| **Input Impedance** | 50 kΩ |
| **Analog Inputs** | 1 pair RCA (Phono), 2 pairs RCA, 2 pairs XLR |
| **Analog Outputs (Variable Out)** | 1 pair RCA, 1 pair XLR |
| **Digital Inputs** | 2 x COAX, 2 x OPTO, 1 x USB, 1 x AES/EBU |
| **DAC Configuration** | 2 x ESS 9038 (Dual Mono) |
| **Headphone Outputs** | 6,3 mm jack, 4-pin XLR |

| | |
|---|---|
| **Total Harmonic Distortion** | < 0,005 % / 1 kHz, 5W<br>< 0,008 % / 1 kHz, 1 W |
| **Signal-to-noise ratio** | > 90 dB (20 Hz – 20 kHz) |
| **Tube Complement** | 2 x E88CC |
| **Trigger Connectors (12 V)** | 1 x IN, 2 x OUT |
| **Power** | 115 / 230 V, 50 – 60 Hz, 820 VA |
| **Dimensions (W x H x D)** | 435 x 130 x 460 mm |
| **Weight (Net)** | 18 kg |

**Color variants**

# AI 2.10

## Integrated Hybrid Amplifier

CANOR AI 2.10 is a hybrid integrated amplifier with an output power of 2 x 150 W / 4 Ω.


### Main Features

- A hybrid integrated amplifier with an output power of 2 x 150 W / 4 Ω.
- A tube preamplifier on the input is fitted with a precise relay attenuator.
- A power amplifier in class D is powered by a filtered and tuned linear power supply.
- PCBs utilize our premium CMT ™ technology.
- XLR inputs with a strictly symmetrical signal up to the power amplifier.
- The preamplifier part of AI 2.10 consists of a pair of selected tubes 6922.

## Highlights

01 A hybrid integrated amp powered by a filtered and tuned linear power supply

02 The input transformer (toroid) is oversized, which leads to low noise

03 XLR inputs with a strictly symmetrical signal up to the power amplifier part (the whole path is symmetrical)

## Technical Specification

| | |
|---|---|
| Output power | 2 x 150 W / 4 Ω |
| Input sensitivity | 400 mV / 150 W / 1 kHz |
| Frequency range | (20 – 20 000) Hz ± 0,3 dB / 5 W |
| Input impedance | 30 kΩ |
| Inputs | 4 x RCA, 2 x XLR |
| Total Harmonic Distortion | < 0,02 % / 1 kHz, 5 W |
| Signal-to-noise ratio | 95 dB |
| Tube complement | 2 x 6922 |
| Power | 230 V / 50 Hz / 460 VA |
| Dimensions (W x H x D) | 435 x 120 x 405 mm |
| Weight (net) | 17 kg |

Color variants

PERFORMANCE LINE

# CD 2.10

## Tube CD Player / DA Converter

CANOR CD 2.10 is a tube DA converter / CD player utilizing AK4490 32-bit DA converter.


### Main Features

- A tube DA converter/CD player utilizing an AK4490 32-bit DA converter.
- A silent slot-in CD drive mechanism.
- PCBs utilize our premium CMT ™ technology.
- An analog signal is being processed by strictly symmetrical tube circuits.
- Coaxial input separated by a high-frequency transformer.
- Super symmetrical passive filters optimized for the highest steepness.

## Highlights

01 It operates also as a high-quality DAC

02 Analog and digital parts are strictly separated and independently powered

03 Super symmetrical passive filters optimized for the highest steepness

## Technical Specification

| | |
|---|---|
| **Frequency range** | 20 – 20 000 Hz ± 0,8 dB |
| **Output impedance** | < 150 Ω |
| **Total Harmonic Distortion** | < 0,005 % / 1 kHz |
| **Signal-To-Noise Ratio** | > 102 dB (20 Hz – 20 kHz) |
| **Outputs** | RCA / XLR |
| **Analogue output voltage RCA / XLR** | 2V RMS / 4V RMS |
| **Digital inputs** | USB, Optical and Coax |
| **Digital outputs** | Optical and Coaxial |
| **Tube complement** | 4 x 6922 |
| **Power** | 230 V / 50 Hz / 100 VA |
| **Dimensions (W x H x D)** | 435 x 120 x 405 mm |
| **Weight (net)** | 12 kg |

Color variants

# DAC 2.10

## D/A Converter with analog tube-based output

CANOR DAC 2.10 uses the dual mono configuration of the ES9038Q2M digital-to-analog converters from ESS Sabre, which ensure high sound quality.


### Main Features

- Thanks to used converters, it is possible to play files in PCM formats up to a sampling frequency of 768 kHz and for DSD format up to Native DSD512 via the USB input, thus covering most digital files that you can normally play, buy, or stream.
- It uses the dual mono configuration of the ES9038Q2M digital-to-analog converters from ESS Sabre, which ensure high sound quality.
- The analog output is a buffer, which is solved by a high-quality electronic connection.
- Dual converter wiring uses separate signal paths for the left and right channels.
- There are seven digital converter filters for PCM format and one proprietary filter for MQA format, which is set automatically during MQA playback.
- The last (eighth) item in the digital filter menu “Oversampling Bypass” can be selected. But it’s not a digital filter, as it’s turning off digital filtering for the ability to compare audio without filtering.
- The signal from the digital inputs is processed by a powerful multi-core XMOS microcontroller with an advanced Multi-Core RISC architecture.

## Highlights

01 Dual mono configuration of digital to analog converters from ESS Sabre

02 The consistently symmetrical signal path

03 The output part is analog (tube-based)

## Technical Specification

| | |
|---|---|
| Frequency Response at Fs=192kHz | -/+ 0,03 dB at 20 Hz to 20 kHz |
| Output impedance | < 200 Ω |
| THD+N 1kHz at 0dBFS | > 0.008 % |
| THD+N 1kHz at -6dBFS | > 0.004 % |
| XLR output voltage at 0dBFS | 4 V RMS |
| XLR: SNR 20 Hz to 20 kHz at 0 dBFS | < 108 dB |
| RCA output voltage at 0dBFS | 2 V RMS |
| RCA: SNR 20 Hz to 20 kHz at 0 dBFS | < 95 dB |
| Analogue balanced output | 2 x XLR connector |
| Analogue unbalanced output | 2 x RCA connector |
| USB data transfer | Asynchronous USB 2.0 Audio Class 2 standard |
| Supported PCM sampling rates | 44,1k / 48k / 88,2k / 96k / 176,4k / 192k / 352,8k / 384k / 705,6k / 768kHz |
| DSD over PCM support | DoP DSD 64/128/256 |
| DSD Native support | Native DSD 64/128/256/512 |
| MQA support | Full MQA decoding by hardware from all digital inputs |
| S/PDIF Optical input | 2 x (24bit / 192kHz) |
| S/PDIF Coaxial input | 1 x (24bit / 192kHz) |
| AES/EBU intput | 1 x (24bit / 192kHz balanced) |
| Digital to Analogue converter | 2 x ESS9038Q2M (dual mono) |
| Filter settings | 8 x Digital Filter |
| Display | LCD TFT |
| Tube complement | 4 x 6922 |
| Power | 230 V / 50 Hz / 44 VA |
| Dimensions (W x H x D) | 435 x 120 x 405 mm |
| Weight | 12 kg |

Color variants

# PH 2.10

## All-tube Phono Preamplifier

CANOR PH 2.10 is an all-tube phono preamplifier for MM and MC cartridges. It contains the minimum number of amplification steps required to apply purely passive corrections.


### Main Features

- It allows an exceptionally large variability of gain adjustment and selection of the correct values of resistances and capacitances for all types of transmissions.
- The MC cartridges are connected to the preamplifier input using a high-quality Lundahl step-up transformer.
- To remove mechanical hum, the transformer core is vacuum impregnated, and the entire transformer is encapsulated in a special anti-vibration compound.
- The primary and secondary windings of the transformer are separated by a shielding copper foil with a 50 % overlap, which prevents the penetration of interfering voltages from the network.
- Only high-quality polypropylene capacitors are used in the signal path. The RIAA correction is passive and consists only of quality polystyrene and polypropylene capacitors. The output capacitor is also of high quality (polypropylene foil).
- Designed without overall feedback. The first and second amplification stages are made up of 12AX7, among which a subsonic filter is put. The third and fourth stages are made up of 12AT7.

## Highlights

01 Without any global feedback, which results in excellent sound performance

02 It contains the minimum number of amplification steps required to apply purely passive corrections

03 Designed for both MM and MC cartridges with high variability of resistance and capacitance settings

## Technical Specification

| | |
|---|---|
| Input impedance MC | 10, 20, 40, 80, 150, 300, 600, 1200 Ω |
| Load capacity MM | 50, 150, 270, 370, 520, 620, 740, 840 pF |
| Output impedance | < 500 Ω |
| Gain MM | 47 dB |
| Gain MC | 71 dB |
| SNR MM | 84 dB |
| SNR MC | 80 dB |
| THD, MM / MC | < 0,2 % / 1 V RMS |
| RIAA accuracy within | 0,3 dB / 20 Hz – 20 kHz |
| Subsonic filter | 18 dB / Octave |
| Input / Output | RCA |
| Tube complement | 2 x 12AX7 , 2 x 12AT7WC |
| Power | 230 V / 50 Hz / 50 VA |
| Dimensions (W x H x D) | 435 x 120 x 405 mm |
| Weight (net) | 14 kg |

Color variants

# TP101 A30

## Integrated Tube Amplifier

The TP101 A30 Pays tribute to CANOR's very first tube amplifier, built three decades ago with a passion for natural sound and uncomprimising craftsmanship. It blends classic tube warmth with refined engineering, offering a modern listening experience rooted in tradition.

### Main Features

- An integrated tube amplifier based on EL34 tubes operating in class AB, providing an output power of 2 x 35 W.
- High input filtration capacity.
- The product uses premium, high-quality Mundorf coupling capacitors.
- Precise selection and tube pairing meet above-average parameters.
- Premium silver-plated internal signal wiring to preserve even the finest musical details.
- Special output permalloy transformers.
- High-end two-way Alps potentiometer.
- PCBs utilize our premium CMT ™ technology.

## Highlights

01 Ultralinear EL34 Class AB amplifier with a signature tube sound

02 Premium wooden-stainless steel design

03 Powerful built-in headphone output

## Technical Specification

| | |
|---|---|
| **Stereo Output Power** | 2 x 35 W / 4, 8 Ω (1 %) |
| **Headphone Output Power** | 2 W / 30 Ω (< 1 %)<br>4 W / 300 Ω (< 1 %) |
| **Gain** | 30 dB (at 4 Ω), 33 dB (at 8 Ω) |
| **Input Sensitivity** | 380 mV |
| **Frequency Range** | 18 – 55 000 Hz -0.3 dB |
| **Damping Factor** | 6.5 / 4 Ω, 7 / 8 Ω |
| **Input Impedance** | 30 kΩ |
| **Analog Inputs** | 5 x RCA pair |
| **Analog Outputs** | 1 x RCA pair (Fix Out) |
| **Headphone Output** | 1 x 6.3 mm jack |
| **Total Harmonics Distortion** | < 0.025 % / 8 Ω (1 kHz, 1 W)<br>< 0.1 % / 8 Ω (1 kHz, 5 W) |
| **Signal-to-noise ratio** | > 96 dB |
| **Tube Complement** | 4 x ECC81, 4 x EL34 |

| | |
|---|---|
| **Power** | 230 V / 50 – 60 Hz / 290 VA |
| **Dimensions (W x H x D)** | 450 x 185 x 390 mm |
| **Weight (Net)** | 23 kg |
| **Glass Cover Weight** | 5 kg |

Color variants

# Virtus I2

## Integrated Tube Amplifier

Virtus I2 is a new-generation tube amplifier that utilizes KT88 high-power tubes and features an entirely new topology.
The goal of its development was to enhance the superior sound quality of the previous model version. This amplifier runs in a pure class A with an auto-bias function, as well as cathode feedback.


### Main Features

- An integrated tube amplifier operating in class A, providing an output power of 2 x 40 W.
- KT88 high-power tubes with autobias a cathode feedback.
- An option to switch between triode and ultra-linear mode instantly.
- PCBs utilize our premium CMT™ technology.
- Perfect channel separation using a relay attenuator that features individual blocks for each channel. The gain control is in increments of 1 dB and attenuates up to 63 dB.
- The independently powered control part.
- Capacitors with high capacitance in the filter provide energy for precise and well-defined bass.
- The signal path exclusively contains high-quality polypropylene capacitors.
- Precise selection and pairing of the tubes meeting above-average parameters.
- The synchronous control option allows the use of two amplifiers in a monoblock mode without the need for an extra preamplifier. This Master/Slave mode has an output power of 80 W per channel.

## Highlights

01 Operates in a pure class A with an autobias

02 Instant switching between a triode and ultra-linear modes

03 Possibility to create a monoblock setup of two units

## Technical Specification

| | |
|---|---|
| **Output power** | 2 x 40 W /4, 8 Ω – ultralinear<br>2 x 20 W /4, 8 Ω – triode |
| **Input sensitivity** | 500 mV |
| **Frequency range** | (10 – 50 000) Hz ± 0,5 dB / 5 W |
| **Input impedance** | 30 kΩ |
| **Inputs** | 4 x RCA, 2 x XLR (XLR are active in monoblock connection only) |
| **Outputs** | 1 x RCA Line-out (Line fix) |
| **Total Harmonic Distortion** | < 0,05 % / 1 kHz, 5 W |
| **Signal-to-noise ratio** | > 95 dB |
| **Tube complement** | 4 x KT88 / 1 x 12AX7 / 2 x 12AT7 |
| **Power** | 230 V / 50 Hz / 375 VA |
| **Dimensions (W x H x D)** | 435 x 170 x 485 mm |
| **Weight (net)** | 28 kg |

Color variants

# AI 1.20

## Integrated Solid-state Amplifier

CANOR AI 1.20 is an integrated solid-state amplifier in pure class A up to 50 W per channel with a relay attenuator with two standalone blocks for each channel.


### Main Features

- An integrated solid-state amplifier in pure class A up to 50 W per channel.
- A relay attenuator with two standalone blocks for each channel.
- PCBs utilize our premium CMT™ technology (CANOR® PCB Milling Technology), the way we mill printed circuit boards.
- CMT™ technology originated in a long-standing endeavour to improve the sonic performance of our products.
- Power supply units filter out interfering signals from the mains supply.
- Interference-rejection and as small as possible leakage field ensure custom-wound toroidal transformers.
- 264 000 uF of filtering capacitance simulates nearly stabilized supply voltage.
- An option of synchronous control enables the use of two amplifiers in a monoblock mode without the need of using an extra preamplifier, and that is a Master/Slave mode with an output power of 100W per channel.

## Highlights

01 Operates in a pure Class A

02 264 000 uF of filtering capacitance

03 Possibility to create a monoblock connection of 2 units

## Technical Specification

| | |
|---|---|
| Output power | 2 x 50 W / 4 Ω<br>2 x 30 W / 8 Ω |
| Input sensitivity | 290 mV |
| Frequency range | (20 – 25 000) Hz ± 0,5 dB / 5 W |
| Input impedance | 30 kΩ |
| Inputs | 5 |
| Total Harmonic Distortion | < 0,0009 % / 1 kHz, 5 W |
| Signal-to-noise ratio | 90 dB |
| Power | 230 V / 50 Hz / 420 VA |
| Dimensions (W x H x D) | 435 x 170 x 485 mm |
| Weight (net) | 28 kg |

Color variants

PREMIUM LINE

# Asterion V2

## Tube Phono Preamplifier

Asterion V2 stands out as a top-of-the-line preamplifier for turntables, employing all-tube technology to deliver unparalleled performance. It's designed to work seamlessly with both MM and MC phono cartridges, making it a versatile choice for audiophiles who demand the best.


### Main Features

- An all-tube turntable preamplifier for both MM and MC phono cartridges.
- Nine tubes, one vacuum tube out of them used to rectify the anode voltage.
- Wiring circuitry without any global feedback.
- PCBs utilize our premium CMT ™ technology.
- Precise selection and matching of the tubes that have above-average parameters.
- Vacuum-impregnated transformer core.
- The transformer is potted in a special anti-vibration compound and placed in the massive welded cover.
- The exceptionally high-quality polypropylene capacitors in the signal path were used.
- If a turntable is fitted with two tonearms, one having an MM phono cartridge installed and the other an MC, both can be connected simultaneously without mutually affecting each other.
- High variability of gain settings, resistances, and capacitances settings for all types of phono cartridges.
- A high-quality step-up Lundahl transformer for MC phono cartridges.

## Highlights

01 A legitimate balanced XLR input and output, with true differential circuitry

02 All-tube turntable preamplifier that works with both MM and MC phono cartridges

03 Precise selection and matching of tubes with exceptional parameters

## Technical Specification

| | |
|---|---|
| MM | 50, 150, 270, 370, 520, 620, 740, 840 pF / Gain: 46 dB |
| MC1 | 10, 20, 40, 80, 150, 300, 600, 1.200 Ω / Gain: 70 dB |
| MC2 | 2, 5, 10, 20, 40, 80, 150, 300 Ω / Gain: 76 dB |
| Output impedance | < 250 Ω |
| Inputs | XLR -> MC; RCA -> MM / MC |
| Outputs | RCA / XLR |
| Total Harmonic Distortion | MM / MC < 0,1 % / 1 VRMS |
| Subsonic filter | 18 dB / Octave / 18 Hz |
| RIAA accuracy | 0,3 dB / 20 Hz – 20 kHz |
| Signal-to-noise ratio MM | < 72 dBV (87 dBV - IEC - A) |
| Signal-to-noise ratio MC | < 72 dBV (87 dBV - IEC - A) |
| Tube complement | 8x 6922EH, 1x 6CA4EH |
| Power | 230 V / 50 Hz / 70 VA |
| Dimensions (W x H x D) | 435 x 170 x 485 mm |
| Weight (net) | 18 kg |

Color variants

PREMIUM LINE

# GAIA C2

## Tube DAC & CD Player

GAIA C2 is a high-end tube DAC and CD Player that brings warmth, depth, and precision to digital playback.


### Main Features

- A tube DA converter / CD Player.
- A standalone 24-bit / 192kHz DA Converter for each channel.
- A high-quality CD drive with compact disc ejection bearing driving mechanism.
- PCBs utilize our premium CMT ™ technology.
- Super symmetrical passive filters optimized for the highest steepness.
- PCM 44.1 kHz – 192 kHz playback and DSD64, 128, 256.

## Highlights

01 Combining high-quality tube DAC and CD Player.

02 It contains two DACs, one for each channel, galvanically separated from the digital part

03 All aluminum premium design body.

## Technical Specification

| | |
|---|---|
| **Frequency range** | 20 – 20 000 Hz ± 0,8 dB |
| **Output impedance** | < 100 Ω |
| **Total Harmonic Distortion** | < 0,005 % / 1 kHz |
| **Signal-To-Noise Ratio** | > 102 dB (20 Hz – 20 kHz) |
| **Outputs** | RCA / XLR |
| **Analogue output voltage RCA / XLR** | 2,5 V RMS / 5 V RMS |
| **Digital inputs** | USB, Optical and Coax, AES/EBU |
| **Digital outputs** | Optical and Coaxial |
| **Tube complement** | 2 x 12AX7 / 2 x 6922 / 1 x 6CA4 |
| **Power** | 230 V / 50 Hz / 100 VA |
| **Dimensions (W x H x D)** | 435 x 170 x 420 mm |
| **Weight (net)** | 17 kg |

Color variants

# Hyperion P1

## Vacuum Tube Preamplifier

Hyperion P1 is a brand new vacuum tube preamplifier of pure A-class with zero feedback, designed and produced by CANOR. It is considered a reference preamplifier of the CANOR brand.


### Main Features

- The attenuator is located in a special aluminium box (10 mm thick walls) which provides perfect shielding and thanks to the special design it also absorbs the vibrations.
- The Hyperion P1 is a Class-A preamplifier and was designed to avoid ANY global feedback.
- The attenuator as well as the electronic part are installed on anti-vibration pads (columns) which contributes to the overall elimination of vibrations.
- The analogue part is separated from the power part by a solid aluminium wall (10 mm thick), which contributes to the elimination of interference.
- The attenuator control is galvanically separated via optical drivers.

## Highlights

01 Solid aluminium chassis - overall robustness and elimination of vibrations

02 Zero global feedback - results in the sound that is more musical and realistic in numerous aspects

03 Perfect filtration solution - specially designed power transformer

## Technical Specification

| | |
|---|---|
| Gain (XLR OUT) | 11 dB |
| Output Impedance | < 150 Ω |
| Frequency response | 10 - 80 000 Hz ± 0,1 dB |
| Input impedance | 30 kΩ |
| Inputs | 4x XLR, 5x RCA (1x preout) |
| Total Harmonic Distortion | < 0,005% (1 kHz, 2 V RMS) XLR<br>< 0,3 % (1 kHz, 49 V RMS) XLR |
| Channel separation | > 110 dB |
| Signal-to-noise ratio | > 115 dB (20 Hz - 80 kHz) |
| Tube complement | 4x 6922, 2x 6H30PI |
| Power | 230 V / 50-60 Hz |
| Dimensions (w x h x d) | 450 x 190 x 465 mm |
| Weight (net) | 29 kg |

Color variants

# Virtus M1

## Vacuum Tube Power Amplifier

Virtus M1 is a vacuum tube power amplifier of pure A-class, designed and produced by CANOR. It is considered a reference power amplifier of the CANOR brand.


### Main Features

- Harmonic distortion - 0,0028 % at 1 W; 0,011 % at 5 W, and 0,13 % at 50 W is achieved by harmonizing all circuits and components.
- The transformer core is vacuum impregnated, and the entire transformer is encapsulated in a special anti-vibration compound. In addition, the massive, welded cover in which the transformer is located creates effective electromagnetic shielding and contributes significantly to the excellent signal-to-hum distance. The additional capacitor at the input improves the dynamics of the anode voltage filtration.
- The filtration capacity is 3.900 µF / 550 V. A choke, which is placed under a welded cover, has been used to eliminate anode voltage ripple, which increases the filtering efficiency of the 100 Hz component of the anode voltage.
- The output permalloy transformers are specially designed for the power amplifier.
- Only high-quality polypropylene capacitors are used in the signal path.
- The conductors on the signal paths consist of slow-drawn oxygen-free copper, which is coated with pure silver.
- Instant switching between feedback and zero feedback.

## Highlights

01 Solid aluminium chassis - overall robustness and elimination of vibrations

02 Supersymmetric design - eliminates interfering signals

03 Extremely low harmonic distortion - one of the best ever seen in tube amps

## Technical Specification

| | |
|---|---|
| **Output power** | 1 x 110 W / 8 Ω – ultra linear (THD < 3%)<br>1 x 55 W / 4,8 Ω – triode (THD < 3%) |
| **Gain** | 24 dB / 4 Ω |
| **Frequency range** | 10 – 50.000 Hz ± 0,5 dB / 5 W |
| **Input impedance** | 200 kΩ |
| **Inputs** | 1 x XLR |
| **Total Harmonic Distortion** | < 0,05% (1 kHz, 5 W / 8 Ω - ultra linear)<br>< 0,005% (1 kHz, 1 W / 8 Ω - ultra linear) |
| **Signal-to-noise ratio** | > 103 dB (20 Hz - 80 kHz) |
| **Tube complement** | 4x KT150, 2x ECC82, 1x 12AX7 |
| **Power** | 230 V / 50-60 Hz |
| **Dimensions (w x h x d)** | 450 x 190 x 465 mm |
| **Weight (net)** | 40 kg |

Color variants

# Virtus S1S

## Solid-State Dual-Mono Power Amplifier

Virtus S1S is a brand-new solid-state reference power amplifier in class AB with the first few watts in pure class A, designed and produced by CANOR.


### Main Features

- A fully symmetrical amplification stage is implemented using high-quality complementary J-FET transistors in the input section.
- The copper plates of the 350 mm2 cross-section installed in the Virtus S1S are designed for heat dissipation without using heat-conducting washers, making the heat dissipation design from the power transistors highly effective.
- The copper plates designed for heat dissipation also supply voltage from the high-capacity capacitors to the active components. That helps transform the dynamic peaks from the capacitors directly to the speakears reducing the output impedance.
- Ultra-low True Harmonic Distortion (THD) of 0.00025 % at 1 KHz, 5 W.
- Error correction is used to linearize each amplification stage individually. This helps to prevent transient distortion from occurring in the first place, rather than relying on overall feedback to suppress it.
- VIRTUS S1S features 5 pairs of output power transistors per channel, with matched parameters to ensure uniform load on individual component.

## Highlights

01 The unique heat dissipation method by copper plates also reduces the output impedance

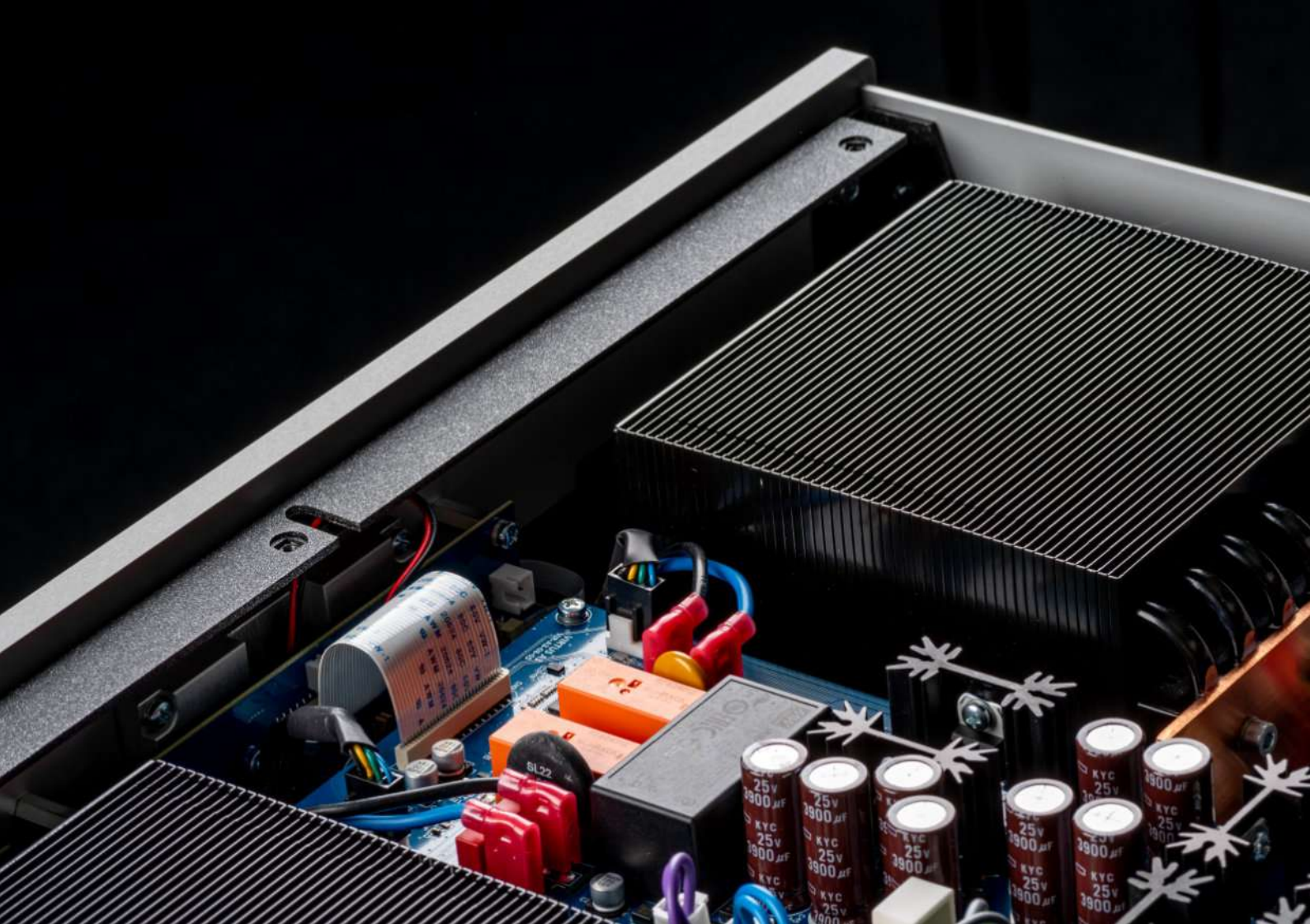
02 Error correction - specialized local feedback circuits line-arize amplifier output stage

03 Extremely low THD - delivers top-notch ultra-low distortion in its category.

## Technical Specification

| | |
|---|---|
| Output power | 2 x 400 W / 4 Ω<br>2 x 250 W / 8 Ω |
| Gain | 26 dB (XLR), 20 dB (RCA) |
| Frequency range | 20 – 20 000 Hz -0,1 dB / 5 W<br>5 – 250 000 Hz -3 dB / 5 W |
| Input impedance | 200 kΩ (XLR), 33 kΩ (RCA) |
| Inputs | 1 XLR pair, 1 RCA pair |
| Total Harmonic Distortion | < 0,00025 % / 1 kHz, 5 W |
| Signal-to-noise ratio | > 120 dB |
| Filtration capacity | 107 600 µF / 100 V (per channel) |
| Power | 230 V / 50-60 Hz / 1600 VA |
| Dimensions (w x h x d) | 450 x 210 x 522 mm |
| Weight (net) | 39 kg |

Color variants


KYC
25V
3900µF


# Notes

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