GAIA C2
TUBE DAC
& CD PLAYER

CANOR

DIMM

OPEN

CANOR GAIA C2
Tube D/A Converter & CD Player

User Manual
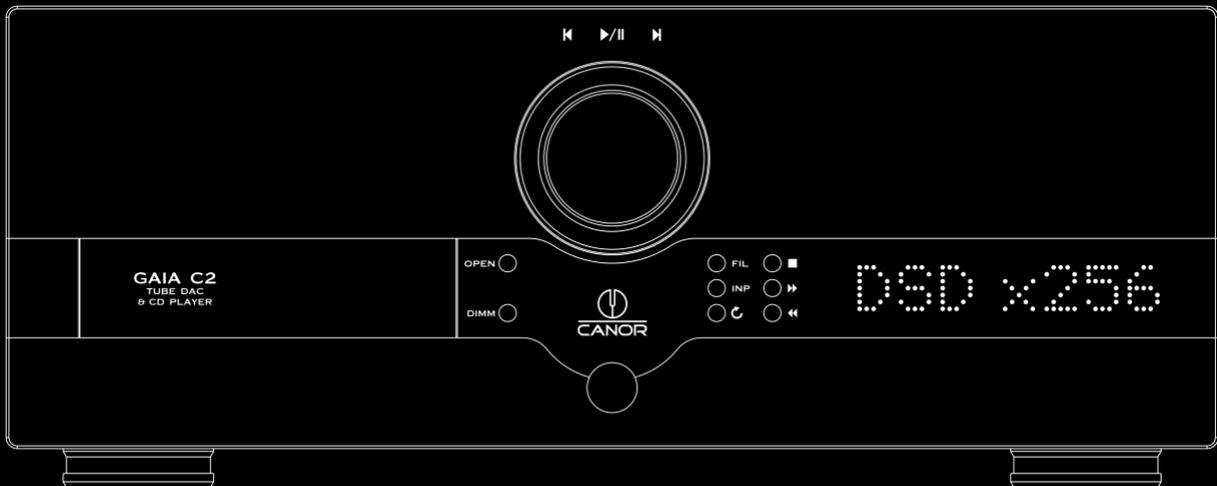
Dear Music Lover,
thank you for purchasing our CANOR GAIA C2 Tube D/A Converter & CD Player. To preserve and maintain the best characteristics of your amplifier, we recommend you carefully read the following lines.

SAFETY INSTRUCTIONS
Please read before putting the device into operation.

1. Read the instructions – all safety information and instructions should be read before using the product.
2. Please keep the user manual for future reference use.
3. Follow the instructions – all safety and user instructions should be followed.
4. Water and moisture – the GAIA C2 should not be placed near water, such as bathtubs, swimming pools, kitchen sinks, etc...
5. Accessories – do not use accessories not recommended by the manufacturer.
6. Placement – do not place the device on an unstable pad. The device may fall, which can cause serious injuries to children or adults, as well as damage to the device. Use only pads or racks recommended by the manufacturer or pads sold by dealer with this device. Any placement of the device should be in accordance with the manufacturer's instructions and only accessories recommended by the manufacturer should be used.
7. Ventilation – the appliance should be placed in a place that guarantees proper airflow. This means that it must not lie on the sofa or upholstered furniture. When in operation, it must not be covered. It would then prevent proper airflow around the vent holes of the device.
8. Heat – ensure the appliance is away from any sources of heat (direct sunlight, electric stove, etc.). The distance from the rear wall of the device may not be less than 20 cm, and 20 cm above the area of the compact disc player may not be an obstacle. Alongside the equipment should be ensured min. distance of 20 cm from other objects.
9. Power source – the device must be connected only to a main supply for what it is designed for.
10. Power cord – it is necessary to pay particular attention to a power cord, it must be positioned to avoid stepping on it and to ensure it is protected against mechanical damage.
11. If you do not use GAIA C2 for a longer period – you should disconnect the power cord from the mains supply, or at least turn off the main power switch located on the back panel.
12. Objects containing liquid – do not place these objects (vases, flowerpots), so that they can fall on the device, possibly a fluid could leak out of them onto the appliance.
13. Damages requiring service – equipment should be repaired only by qualified service if:
    a. The power cord is damaged.
    b. The device dropped into the water or was poured.
    c. The device was exposed to rain.
    d. The device works incorrectly.
    e. The device has dropped to the ground or has suffered mechanical damage.
14. Repairs – all repairs must be entrusted to a qualified service.
15. General warning – use the device only in accordance with this user guide.

The manufacturer disclaims any liability if these safety measures are not observed. To help you avoid an electric shock, do not expose the device to rain or moisture!

This CD player is classified as a CLASS 1 LASER PRODUCT. It can emit radiation in the CLASS 1 limit range. Do not disassemble / danger of damage to eyes!


DELIVERY CONTENT
- Shipping packaging
- CANOR GAIA C2 Tube D/A Converter and CD Player
- Remote Control (CR2032 battery required)
- Power cord
- Textile gloves
- CANOR GAIA C2 Tube D/A Converter and CD Player User Manual

FRONT PANEL

- **PLAYBACK KNOB** – Press it to switch between Play/Pause, turn to change tracks.
- **POWER** – Turning on and off the device.
- **OPEN** – Eject the CD tray.
- **DIMM** – Sets the display brightness in steps. From a turned-off display to its maximum brightness. After turning it on, the display is in its middle brightness level. In the state of a turned-off display while operating the device with function keys the display lights up and after a few seconds, the display turns off again.
- **FIL** – Switching between Natural and Dynamic filter.
- **INP** – Select the input signal by repeatedly pressing the INPUT button on the front panel, or by pressing the INPUT key on the remote control
- **REPEAT** – Allows you to cyclically opt for single-track repeat, entire disc repeat, or disable repeat.
  STOP – Press the STOP button to terminate the playback.
- **FORWARD** – Longer press for fast-forwarding a track.
- **BACKWARD** – Longer press for rewinding a track.

BACK PANEL

- **POWER** – Mains power inlet / mains switch with mains fuse.
- **DIGITAL INPUTS** – 4 x Digital Input—1 x USB, 1 x Optical, 1 x Coaxial, 1 x AES/EBU
- **DIGITAL OUTPUTS** – 2 x Digital Output—1 x Coaxial, 1 x Optical
- **ANALOG OUTPUTS** – 2 x Analog Output—Analog XLR Balanced Output and Unbalanced RCA
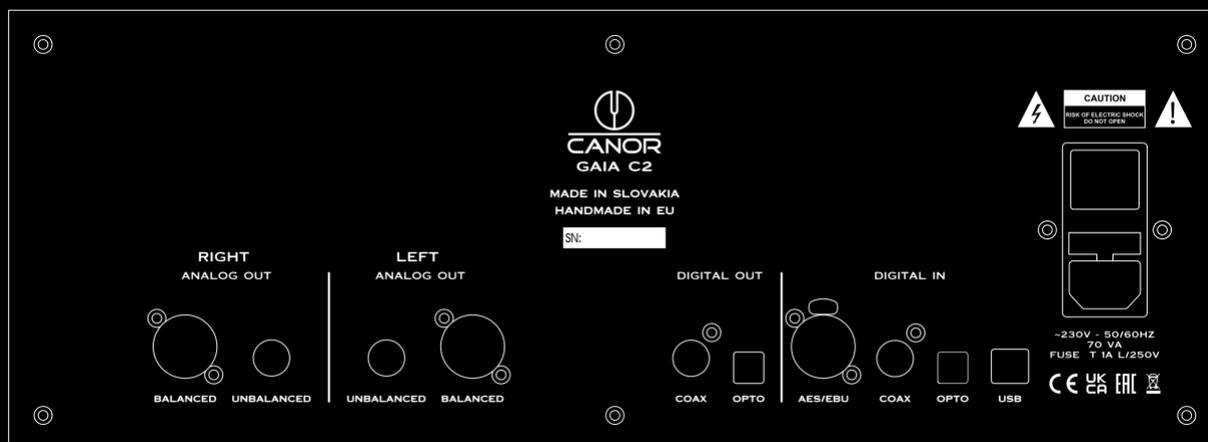
REMOTE CONTROL

Do not expose the sensors of your remote control to direct sunlight or to other strong light sources. Remote control operates at an angle of 60 ° to about 5 meters. Aim your remote control at the sensor on the device. There may not be any obstacles in the way between the sensor and remote control. If the appliance is placed behind glass, it may result in shortening the operating distance of a remote control (according to the color and strength of the glass). The keys on the remote control have the same function as the keys on the front panel of the device.

The remote control is equipped with features for the amplifier and the CD player.

Amplifier / Preamplifier features
- **ON / OFF** – Turning on and off the amplifier.
- **DIMM** – Sets the display brightness in steps.
- **◄IN** – Input selector.
- **IN►** – Input selector.
- **- VOLUME +** – Volume control keys.
- **MUTE** – Instant muting of the volume.

CD Player features
- **ON / OFF** – Turning on and off the CD Player.
- **DIMM** – Sets the display brightness in steps.
- **|<< BACKWARD** – One short press jumps to the beginning of a track. If playback time lasts longer than 5 seconds, further pressing results in jumping one track back. When pressed for a longer time playback moves smoothly backwards.
- **>>| FORWARD** – A short press skips one track forward, when pressed for a longer time, playback moves smoothly forward.
- **►‖** – Resumes and pauses CD playback.
- **■** – Stop / Eject Function. A single press stops playback. Pressing the button when playback is stopped will eject the disc tray. When the tray is open, pressing the button will retract it.
- **INPUT** – Input selector.
- **REPEAT** – Allows you to cyclically opt for single-track repeat, entire disc repeat, or disable repeat.

BASIC FUNCTION OF REPRODUCTION

Connect the power cord to the GAIA C2. Turn on the device with the main Power Main switch, which is located on the back panel. When you turn on the switch, the device is set into stand-by mode and the red LED on the front panel is on. After pressing the Power button (on the front panel or the remote control), the red LED flashes, and a controlled turning-on sequence gets initiated, which consists of preheating the tubes, thereby extending their life span. The cooling cycle is also being carried out when the appliance is turned off, if the main switch on the back panel is not turned off, i.e. after turning off via the button on the front panel, or remote control, and a 45-second countdown to cooling without indication begins. If we turn on the appliance at this time, the cooling will continue and will be indicated by a flashing red LED. When the cooling cycle is over the main toroidal transformer gets connected (the CANOR logo lights up), and then the slow start-up of voltage provided by the slow heating of tubes begins. The cycle lasts 45 seconds, then the red LED stops flashing, and an output relay connects the signal to output gold-plated Teflon RCA connectors as well as to XLR connectors with balanced output. If there is a CD in the CD drive, the device attempts to load the disc and the display shows "CD" and then "Reading" with the number of tracks and their total length. If a CD is not loaded, the display shows "No Disc". During this period when a disc is being loaded, it is not possible to change the brightness of the display via the DIMMER button. The brightness can only be changed once the content of the CD is loaded.

CD TRAY OPENING AND COMPACT DISC INSERTION

Press the OPEN button, the display lights up the "Opening" indicator. The tray disengages itself and the Insert CD instruction is being shown on the display. Make sure the tray is opened completely. Grab a compact disc for the outer edges and insert it into the tray with a label on the top. Do not touch the surface with the data record (the surface is reflective). Twelve-centimeter discs are inserted into the outer ring, and eight-centimeter discs into the inner ring. Press the OPEN button again, the tray plugs in and the display shows "Closing" and subsequently "Reading". If the GAIA C2 finds a compact disc in the drive, it loads its data, the total number of tracks, and the total disc time and shows them on the display. The tray plugs in even after pressing the PLAY button or after a mechanical push on the tray in the direction of insertion.

DIGITAL OUTPUTS

It allows you to connect external D/A converters when playing CDs. External D/A converters transmit a digital SPDIF signal at the default resolution of a CD simultaneously on the COAXIAL output for the RCA connector, and OPTICAL output for the TOSLINK connector located on the GAIA C2 back panel.

DIGITAL INPUTS

- **COAXIAL, OPTICAL and AES/EBU –** By selecting these inputs, the device can conduct digital SPDIF signals from other devices to the inputs on the GAIA C2 back panel, which can be connected either by coaxial or optical cable. These inputs can process a 24-bit PCM signal with a 192 kHz sampling rate.
- **USB –** By selecting this input, it is possible to connect GAIA C2 to a PC as a USB Audio Class 2.0 soundcard. GAIA C2 supports PCM up to 24-bit / 192 kHz & DSD up to DSD256 at the USB input.

COMPACT DISK

This product is only able to play discs labeled "COMPACT DISC DIGITAL AUDIO". Do not store discs (not even for a short term) near sources of heat, in places with high air humidity, or high dustiness! Do not write on the label with a pen, and do not paste all over it! Beware of damage to the disc by fingernails or sharp objects! Always grab the edges or the center of the disc. Do not touch the surface with the data record! If it is necessary to clean the disc, use a piece of fine cloth to clean it out. Clean the disc down from the center toward the edges only! If the disc moistens (for example, during the freight from cold to warm places), dry it out with a fine cloth. Never use a hair dryer to dry out the disc! Do not use any antistatic cleaning agents common for black vinyl, gasoline, solvents, or other chemicals!

CD PLAYER MAINTENANCE

For cleaning use a dry piece of fine linen cloth. In case of large pollution, moisturize the cloth with a detergent solution. Do not use ragged materials (sand for washing dishes), alcohol, gasoline, dissolvents or other chemicals!

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WARRANTY CONDITIONS
The warranty period for this appliance is 24 months, calculated from the date of purchase. The warranty applies to the first owner of the product only. Moreover, the warranty only applies if an original proof of purchase and an acknowledged certificate of warranty can be furnished. The warranty covers defects in materials and labor but does not cover misuse, unauthorized modifications, and external causes such as acts of nature.

Caution! There are no user-serviceable parts inside your CANOR GAIA C2 Tube D/A Converter & CD Player!

SERVICE
Should you encounter a problem that you are not able to alleviate or identify, please contact your distributor for further advice.

CAUTION!
The Waste Electrical and Electronic Equipment Directive Regulation of the European Union 2002 / 96 / EC governs the issue of separate waste collection.
This device may not be disposed of in unsorted municipal waste. Devolve the appliance into a collection center for recycling and disposal of electrical and electronic equipment waste. Correct disposal of waste does not cause negative impacts on the environment and human health. You will thus contribute to the protection of the environment.

EUROPEAN COMMUNITY DIRECTIVES
This product is designed and manufactured to comply with existing laws of the European Community. This product is certified by a testing laboratory and bears the CE mark.

SPECIFICATIONS

Analog Outputs	1 RCA pair 1 XLR pair
Frequency Range (XLR & RCA)	20 – 20000 Hz -1.0 dB
Input Impedance (XLR & RCA)	< 110 Ω
Total Harmonic Distortion (1 kHz) at XLR	< 0.0007 % at 0 dBFS
Total Harmonic Distortion (20 – 20000 Hz) at XLR	< 0.001 % at 0 dBFS
Signal-to-noise ratio at XLR	> 110 dB (A-wt)
Crosstalk (Channel separation) XLR	< -118 dB at 10 kHz, 0 dBFS
Analog Output Voltage RCA / XLR	2 Vrms / 4 Vrms at 0 dBFS
DAC Configuration	2 x PCM1792A (Dual Mono) with 2 digital filters
Digital Inputs	1 x CD Input (PCM 16-bit / 44 kHz) 1 x USB-B (PCM up to 24-bit / 192 kHz & DSD up to DSD256) 1 x Optical (PCM up to 24-bit / 192 kHz) 1 x Coaxial (PCM up to 24-bit / 192 kHz) 1 x AES/EBU (PCM up to 24-bit / 192 kHz)
Digital Outputs	1 x Coaxial (PCM up to 24-bit / 192 kHz) 1 x Optical (PCM up to 24-bit / 192 kHz)
Tube Complement	2 x E88CC, 2 x 12AX7LPS, 1 x 6CA4Eh
Power	230 V / 50 Hz / 70 VA
Dimensions (W x H x D)	435 x 176 x 484 mm
Weight (Net)	18 kg
Weight (Gross)	26 kg

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