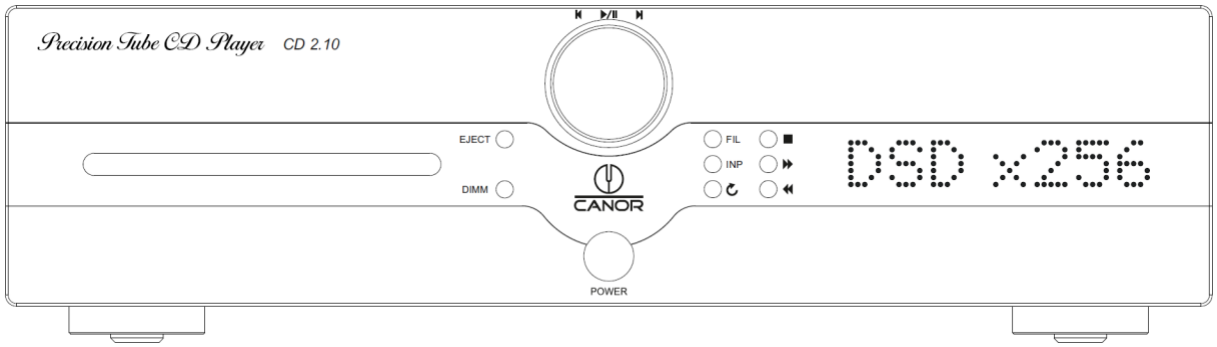
CD 2.10
USER MANUAL



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CANOR CD 2.10 Tube Compact Disc Player and D/A Converter User Manual



Dear Music Lover,
thank you for purchasing our CANOR CD 2.10 Tube Compact Disc Player and a D/A Converter. To preserve and maintain the best characteristics of your compact disc player, we recommend you carefully read the following lines.

OPERATING INSTRUCTIONS

Before placing your new appliance into operation please read these operating instructions carefully.

1. Read the instructions – all safety information and instructions should be read before using the appliance.
2. Please keep these operating instructions for future reference.
3. Follow the instructions – all the security and user instructions should be followed.
4. Water and moisture – CD 2.10 should not be placed near water, such as baths, swimming pools, kitchen sinks, etc.
5. Accessories – do not use accessories not recommended by the manufacturer.
6. Location – do not place equipment on unstable surfaces. The device may fall, which may cause serious injuries to children or adults, as well as damage to the appliance. Use only pads or stands recommended by the manufacturer or sold by dealers simultaneously with this device. Any location 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 power supply, for which it is designed.
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. The longer the period during which you do not use the CD 2.10 you should disconnect the power cord from the main supply, or at least turn off the main power switch located on the back of the device.
12. Subjects 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. Damage requiring service – equipment should be repaired only by qualified service once:
    a. The power cord is damaged.
    b. The device fell into water or was poured.
    c. The device was exposed to rain.
    d. The device works incorrectly.
    e. The device fell to the ground or is otherwise mechanically damaged.
14. Repairs – all repairs must be entrusted to qualified service.
15. General warning – use the device only following the instructions.

The manufacturer declines any liability should these safety measures not be observed. To help you avoid an electric shock, do not expose the CD player 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!

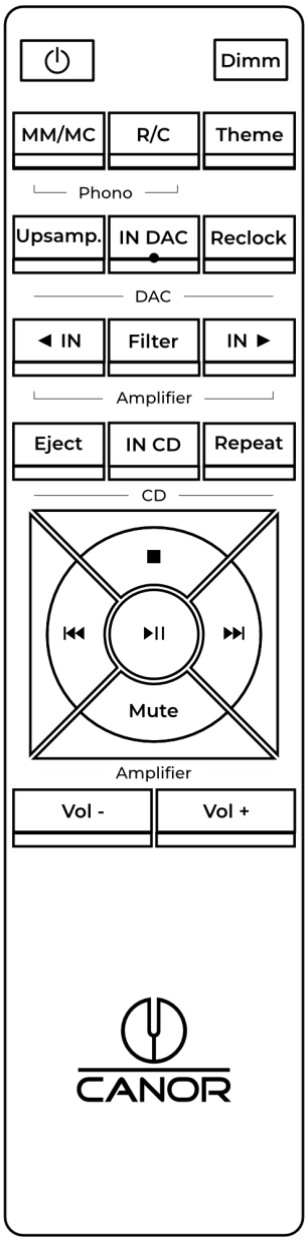
DELIVERY CONTENT

- Shipping packaging
- CANOR CD 2.10 Compact Disc Player / DA Converter
- Remote control (CR2032 battery required)
- Power cord
- Textile gloves
- CANOR CD 2.10 Compact Disc Player User Manual

CAUTION!
The Waste Electrical and Electronic Equipment Directive -Regulation of the European Union 2002 / 96 / EC governing 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.

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 compatible with your CD 2.10 CD Player.



General features
- ⏻ – Turning on and off the amplifier.
- **Dimm** – Sets the display brightness in steps.
- **Theme** – Switch display theme on supported devices.

Phono preamplifier features
- **MM/MC** – Instant switching between MM / MC cartridges.
- **R/C** – Instant switching between Load (MC cartridge) and Capacitance (MM cartridge).

DAC features
- **Upsamp.** – Enable/disable the up-sampling function.
- **IN DAC** – DAC input selector (switching in loop).
- **Reclock** – Enable/disable the re-clocking function.
- **Filter** – Digital filter selector (switching in loop).

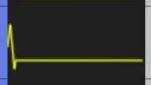
Amplifier / Preamplifier features
- **◄ IN** – Amplifier input selector (left).
- **IN ►** – Amplifier input selector (right).
- **Mute** – Instant muting of the volume.
- **Vol -** – Volume down control button.
- **Vol +** – Volume up control button.

CD Player features
- **Eject** – A short press ejects the CD from the CD player.
- **IN CD** – CD player input selector (switching in loop).
- **Repeat** – Allows you to cyclically opt for single-track repeat, entire disc repeat, or disable repeat.
- ■ – Ceases CD playback.
- ⏮ – 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.
- ⏭ – A short press skips one track forward, when pressed for a longer time, playback moves smoothly forward.
- ⏯ – Resumes and pauses CD playback.

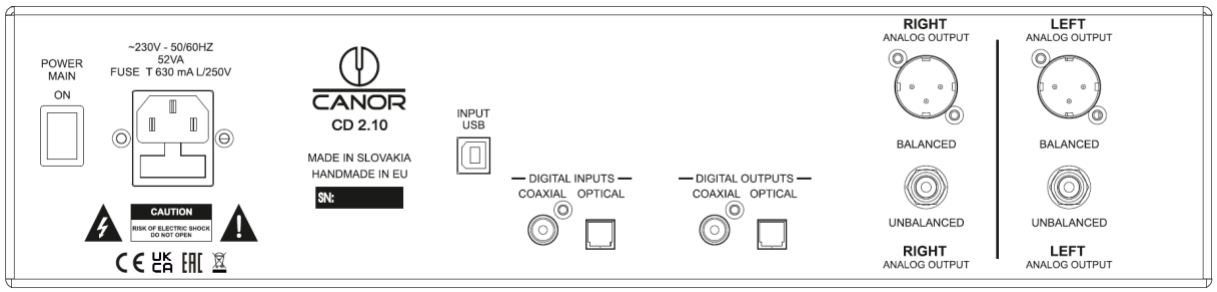
FRONT PANEL
Contains a button with an additional function unlike the remote control:

- **FILTER** – Pressing this button shows the actual digital filter being used by converters. You can change the filter by pressing the button again, otherwise actual filter remains active.

  The filter has five states / sound types and each of them affects the resulting sound performance that a listener can adjust to their requirements.
  - **Filter 1** (Natural Tone)
  - **Filter 2** (Acoustic Tone)
  - **Filter 3** (Traditional Tone)
  - **Filter 4** (Acoustic Sound)
  - **Filter 5** (Traditional Sound)

	Sound Type	Impulse Response	Filter name	Remarks	Sound Source Positioning	Edge
Filter 1	Natural Tone		Super slow Roll-off	No echo reproduces natural sound	Close	Ultra-Sharp
Filter 2	Acoustic Tone		Short Delay Slow Roll-off	Minimal echo reproduces original sound		Sharp
Filter 3	Traditional Tone		Slow Roll-off	Minimal echo reproduces original sound		Middle
Filter 4	Acoustic Sound		Short Delay Sharp Roll-off	Post echo enhances bass sound		Sharp
Filter 5	Traditional Sound		Sharp Roll-off	Pre and post enhoes make powerful sound	Far	Slow

BACK PANEL
- **POWER** – Mains power inlet / mains switch with mains fuse.
- **INPUT** – 3 x Digital Input—1 x Coaxial, 1 x Optical, 1 x USB.
- **OUTPUT** – Analog XLR Balanced Output and Unbalanced RCA, 2 x Digital Output—1 x Coaxial, 1 x Optical



BASIC FUNCTION OF REPRODUCTION

Connect the power cord to the CD 2.10. Turn on the player with the main Power Main switch, which is located on the back panel. When you turn on the switch, the player 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.

A. 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 CD 1.10 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.

B. PLAYBACK INTERRUPTION

Playback can be interrupted for a short time by pressing the PLAY button. After repeated pressing of this button the playback resumes.

C. PLAYBACK TERMINATION

Press the STOP button to terminate the playback.

D. MANUAL SEARCH

Using a longer press on buttons (<<, >>) on the front panel of the appliance (or (|<<, >>|) buttons on the remote control) it is possible to search an arbitrary position within a track. This search operation is only possible during playback (during the action, the playback will be distorted).

E. REPEAT

Each time you press the REPEAT button, you cyclically select between the following: disabled repeat / single-track repeat / entire disc repeat.

F. INPUT SELECTION

You can select the input signal by repeatedly pressing the INPUT button on the front panel, or by pressing the INPUT key on the remote control. After turning it on it is always in the following order: 1. CD, 2. COAXIAL, 3. OPTICAL, 4. USB.

DIGITAL OUTPUTS

It allows you to connect external converters when playing CDs. External converters transmit digital SPDIF signal at default resolution of a CD simultaneously on COAXIAL output for RCA connector, and OPTICAL output for TOSLINK connector located on the CD 2.10 back panel.

DIGITAL INPUTS

- **COAXIAL and OPTICAL –** By selecting these inputs we can conduct digital SPDIF signals from other devices to the inputs on the CD1.10 back panel which we connect 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 CD 2.10 to a PC as a USB Audio Class 2.0 soundcard.

TECHNICAL SPECIFICATIONS

Format, bit resolution, and maximum sampling rate of inputs

CD	PCM 16-bit / 44 kHz	
COAXIAL	PCM 24-bit / 192 kHz	
OPTICAL	PCM 24-bit / 192 kHz	
USB	PCM 32-bit / 768 kHz	
	DoP (DSD over PCM)	DSD64 1-bit / 2,8224 MHz / 3,072 MHz
		DSD128 1-bit / 5,6448 MHz / 6,144 MHz
		DSD256 1-bit / 11,2896 MHz / 12,288 MHz

Format, bit resolution, and sampling rate of outputs

COAXIAL	PCM 16-bit / 44,1 kHz*
OPTICAL	PCM 16-bit / 44,1 kHz*

* Outputs in operation only in the course of CD playback.

CD Input

Harmonic distortion RCA	< 0,01 % (1 kHz / 44,1 kHz)
Harmonic distortion XLR	< 0,005 % (1 kHz / 44,1 kHz)

COAXIAL, OPTICAL Input

Harmonic distortion RCA	< 0,01 % (1 kHz /44,1 kHz – 192 kHz)
Harmonic distortion XLR	< 0,002 % (1 kHz / 44,1 kHz, 48 kHz)
Harmonic distortion XLR	< 0,002 % (1 kHz / 88,2 kHz, 96 kHz)
Harmonic distortion XLR	< 0,002 % (1 kHz / 176,4 kHz, 192 kHz)

USB PCM 24-bit Input

Harmonic distortion RCA	< 0,01 % (1 kHz / 44,1 kHz – 192 kHz)
Harmonic distortion XLR	< 0,002% (1 kHz / 44,1 kHz, 48 kHz)
Harmonic distortion XLR	< 0,002 % (1 kHz / 88,2 kHz, 96 kHz)
Harmonic distortion XLR	< 0,002 % (1 kHz / 176,4 kHz, 192 kHz)

USB DSD64, DSD128 and DSD256 Input

Harmonic distortion RCA	< 0,01% (1 kHz / DSD64, DSD128, DSD256)
Harmonic distortion XLR	< 0,005 % (1 kHz / DSD64, DSD128, DSD256)

CANOR

RCA Output

Frequency response	20 Hz (0 dB) – 20 kHz (- 1,5 dB)
Signal-to-noise ratio	> 90 dBV (20 Hz – 20 kHz)
Output impedance	< 200 Ohm
Output voltage	2 Veff

XLR Output

Frequency response	20 Hz (0 dB) – 20 kHz (- 1,5 dB)
Signal-to-noise ratio	> 95 dBV (20 Hz – 20 kHz)
Output impedance	< 200 Ohm
Output voltage	4 Veff

Power supply	230 V, 50 Hz / 52 VA
Dimensions (W x H x D)	435 x 120 x 405 mm
Weight (Net)	12 kg
Weight (Gross)	17 kg

COMPACT DISK

This appliance 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, dissolvents, 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!

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 CD 1.10 Tube Compact Disc Player and D/A Converter!

SERVICE

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

EUROPEAN COMMUNITY DIRECTIVES

This product is designed and manufactured to comply with existing laws of the European Community.



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