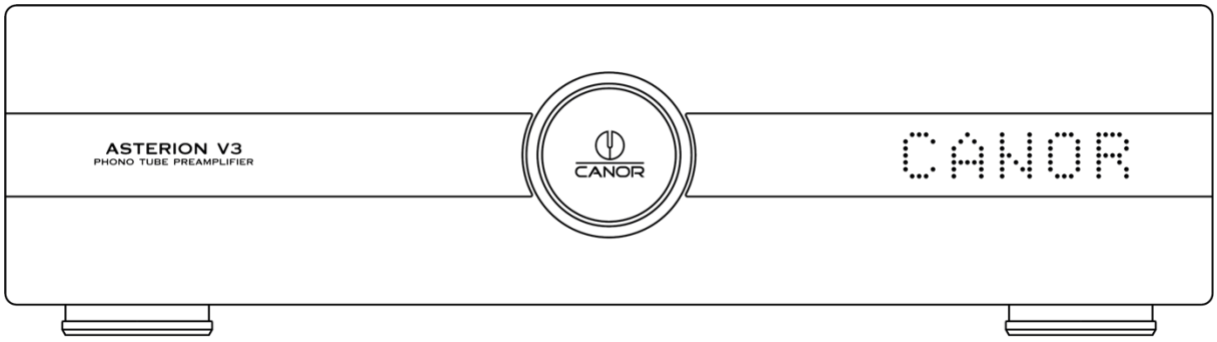
USER MANUAL



CANOR ASTERION V3

Phono Tube Preamplifier

Dear Music Lover,

Thank you for purchasing our CANOR ASTERION V3 Phono Tube Preamplifier. To preserve and maintain the best characteristics of your preamplifier, we recommend you carefully read the following lines.

Asterion V3 is a tube-based phono preamplifier from our Performance Line with both XLR and RCA inputs and support of both MC and MM cartridges.

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 preamplifier.
2. Keep the user manual – the safety and user instructions manual should be stored for possible later use.
3. Follow the instructions – all safety and user instructions should be followed.
4. Water and moisture – the Asterion V3 preamplifier should not be placed near water, for example near bathtubs, swimming pools, kitchen sinks, etc...
5. Accessories – do not use accessories not recommended by the manufacturer.
6. Placement – do not place a 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 to dealers 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 unit should be placed the way to ensure proper airflow. That means it is not allowed to place the preamplifier on a sofa, or on upholstered furniture. The preamplifier may not be covered over when in operation; it would otherwise prevent proper airflow around the vent holes of the preamplifier.
8. Heat – preamplifier must be placed to avoid the heating effect from heat sources, for example, radiators or stoves, or other heat-producing equipment. The distance from the back wall of the unit may not be less than 20 cm, and 20 cm above the area of Asterion V3 may not be any barrier. Alongside the unit should be ensured 20 cm minimum distance 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 setting foot on it and ensure it is protected against mechanical damage.
11. If you do not use the preamplifier 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 preamplifier and, eventually, prevent the liquid from being leaked out on the preamplifier.
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 fell on the ground or is otherwise mechanically damaged.
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 declines any liability should these safety measures not be observed. To help you avoid an electric shock, do not expose the preamplifier to rain or moisture!

DELIVERY CONTENT

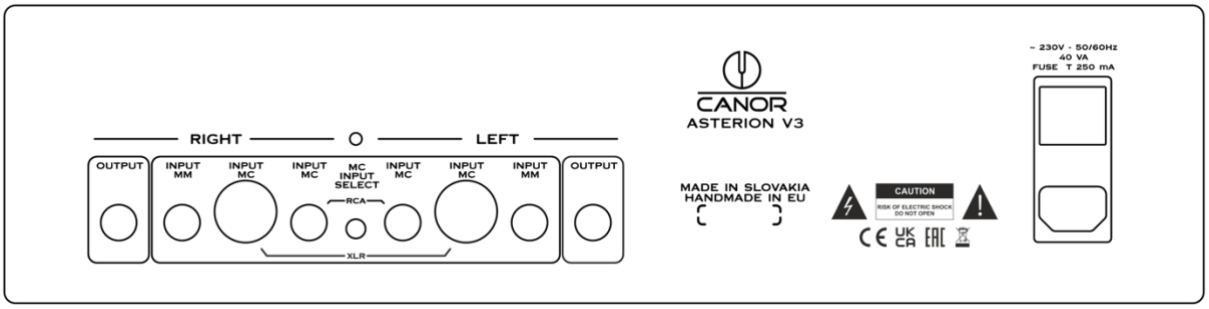
- Shipping packaging
- CANOR ASTERION V3 Phono Tube Preamplifier
- Remote control (2 x AAA battery required)
- Power cord
- Textile gloves
- CANOR ASTERION V3 User Manual

FRONT PANEL

- **CONTROL KNOB / SELECTOR OPERATING KNOB with touch panel display**
- **LED DOT MATRIX DISPLAY** – informative display

BACK PANEL

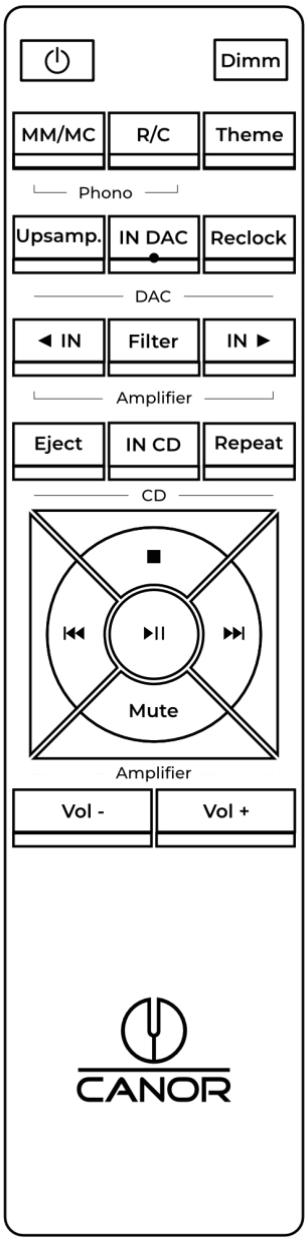
- **LEFT / RIGHT RCA OUTPUTS –** Unbalanced RCA output, one pair
- **LEFT / RIGHT RCA INPUTS MM –** Unbalanced RCA inputs for MM cartridges
- **LEFT / RIGHT XLR INPUTS MC –** Balanced XLR inputs for MC cartridges
- **LEFT / RIGHT RCA INPUTS MC –** Unbalanced RCA inputs for MC cartridges
- **GROUNDING SCREW –** Grounding turntable point
- **MC INPUT SELECT –** Toggle switch selector for Balanced (XLR) or Unbalanced (RCA) MC input
- **POWER –** Mains power inlet / mains switch with mains fuse.



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 colour and strength of the glass). The buttons on the remote control have the same function as the buttons on the front panel of the device.

The remote control is compatible with your Asterion V3 Phono preamplifier.



General features

- ⏻ – Turning on and off the device.
- **Dimm** – Sets the display brightness in steps.
- **Theme** – Switch display theme on supported devices (Not supported for Asterion V3).

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

- **Mute** – Instant muting of the volume.
- *** ◄ IN** – Amplifier input selector (left).
- *** IN ►** – Amplifier input selector (right).
- *** 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 a 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.

* Not supported for Asterion V3.

BASIC FUNCTIONS OF REPRODUCTION

Ensure that all inputs and outputs are connected while the Asterion V3 is turned off or disconnected from the mains.

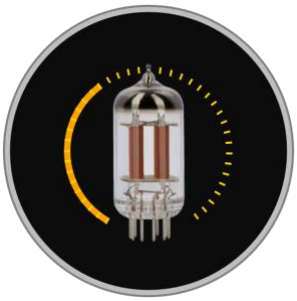
1. Connect the power cord to the Asterion V3.
2. Turn on the Asterion V3 using the main power switch located on the back panel. After you switch it on, the device will enter standby mode, indicated by the red LED lighting up on the front panel.
3. Once on standby, you can power it up by either touching the display on the central knob on the front panel or by using the power button on the remote controller. This will initiate the controlled startup sequence, which includes preheating the tubes to extend their lifespan.
4. A cooling cycle will also occur when the unit is turned off.
5. During the first power-up or when the main power supply is disconnected, the MM input with 150pF load will be pre-selected.

OPERATION OF THE ASTERION V3

The Asterion V3 features two displays:

1. The informative LED dot matrix display, located on the right side of the front panel, shows the selected input and selected capacitance/load value.
2. The central circular touch display, integrated into the control knob, allows you to turn the device on and off, select the desired input, and adjust other device functions.

To start up from standby mode, simply touch the circular display or press the power button on the remote control. This action initiates a controlled sequence for tube preheating, which is graphically represented on the display by a tube icon and a circular countdown timer. Once the preheating is complete, the device automatically switches to the default or last selected input. Meanwhile, the LED dot matrix display will show the CANOR logo, followed by the currently active input and capacitance/load value.



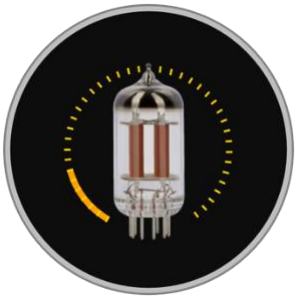


To switch off the device (put it into standby mode), swipe your finger down from the top of the control circular display to reveal the Power-Off icon.

To initiate the shutdown process, press and hold the Power-Off icon for 2 seconds. This will start a controlled tube cooling sequence, which will be visually represented by the tube and a circular countdown timer indicating the time remaining until shutdown. During this process, "CANOR" will appear on the informative display.

Once the cooling sequence is complete, the device will enter standby mode, and the displays and backlight will turn off.





INPUT SELECTION

There are three ways to choose your desired input:

1. Use the MM / MC button on the remote control.
2. Slide the control touch screen to the right or left.
3. Hold your finger on the selected input for 2 seconds to unlock the input roller blind. You can then move this roller blind by rotating the central knob and selecting the desired input with a brief touch.





Asterion V3 features MM input with 46dB output gain and MC input with 70dB output gain.

Asterion V3 is compatible with turntables that use both MM (Moving Magnet) and MC (Moving Coil) cartridges.

To choose capacitance/load parameters, touch the capacitance/load icon below the MM/MC input and rotate the central knob. For MM cartridges, you can select from 50pF, 150pF, 270pF, 370F, 520pF, 620pF, 740pF and 840pF. For MC cartridges, the options are 10Ω, 20Ω, 40Ω, 80Ω, 150Ω, 300Ω, 600Ω and 1200Ω. Again, briefly touch the parameter you want to select.
You can also select the capacity/load value by turning the knob. This function only works in the main menu.







MUTE FUNCTION
Instant muting of the phono preamplifier output.
Simply touch the mute icon on the touch screen display or use the mute button on the remote control.





DEVICE SETTINGS / SUB-MENU
To access the sub-menu from the main menu on the circular display, swipe up from the bottom. In this sub-menu, you can adjust the following settings: Dimmer, Saver, Factory Reset and firmware version.

Navigate through the sub-menu by swiping right to view the next page and left to return to the previous page. To exit the sub-menu and return to the main menu, swipe down from the top of the circular display. This swipe action applies to all pages within the sub-menu.

DIMMER FUNCTION
This feature allows you to adjust the backlight level of the displays. You can control the brightness using the rotary central knob or the DIMM button on the remote control, and any selected backlight level does not require confirmation.

When you select the lowest backlight level, known as "Dimmer OFF," the device's backlight will completely turn off after 3 seconds. However, if you touch the control device or change the input or capacitance/load, the display will briefly light up for 3 seconds to provide information. Unless you change the backlight setting, the "Dimmer OFF" function will remain active.





SAVER

This feature allows you to activate the CANOR logo as a screensaver for the control circular display. The Canor logo will appear after 1 minute of inactivity in the main menu. Logo will disappear when you touch the display or change inputs using the remote control, and it will reappear after another minute of inactivity.





FACTORY RESET

The factory reset will restore the device to factory settings. For the factory reset, tap the power button, then use the knob to navigate through the following menu. Choose the “Yes” option and confirm by tapping the screen.





The last menu is the software version information screen.



RELAY CLEANING

The Asterion V3 has a function for the contacts of used electronic relays. This function is intended to extend the relay contact lifespans that have not been used for a long time and also increase their electrical conductivity. Cleaning is carried out by triggering multiple high-frequency signals sequentially through all relays in the device. The function is started automatically every 20th time the device is turned into standby, and its progress is shown by the CLEANER inscription on the informative LED dot matrix display.

FIRMWARE UPDATE MANUAL

UPDATE REQUIREMENTS

- Windows or Mac computer
- Update ZIP package provided by CANOR

UPDATE PRODCEDURE

1. Prepare your computer for a firmware update of your Asterion V3.

2. Download the ZIP Firmware Update Package from the Asterion V3 product page at www.canor-audio.com.

3. Extract the entire ZIP archive into a folder stored on the local disk of your computer. This is necessary for the successful completion of the update.

4. Enable the update on the device's touchscreen, swipe up the bottom menu, then go to the last screen with the Update EN switch and hold the button. Update Enable is in active mode as long as the switch on the display turns to blue.





NOTE: After enabling the Update Enable feature, the device can continue to be used as normal. However, the Update Enable switch cannot be reset, which does not affect the device functionality. The feature will reset after the device is restarted.

5. After enabling the Update EN OTA function, go into your computer's Wi-Fi settings, find the Wi-Fi network “CANOR_OTA” and connect to it. The Wi-Fi password is shown on the Asterion V3 screen. This will disconnect you from the internet, and your computer will be connected to the Asterion V3 Wi-Fi update network.

6. In your internet browser, type the device IP Address as shown on the Asterion V3 screen.

7. Click on “Choose File” and find a BIN File in the unzipped Firmware Update Package Folder.

8. To start the Asterion V3 update, click on “Upload & Update”.



9. You can follow the progress bar on the Asterion V3 screen to inform you about the update status. After the update is successfully completed, the progress bar will momentarily turn green, and the device will turn off.



10. After restarting, the device is updated and ready for operation.

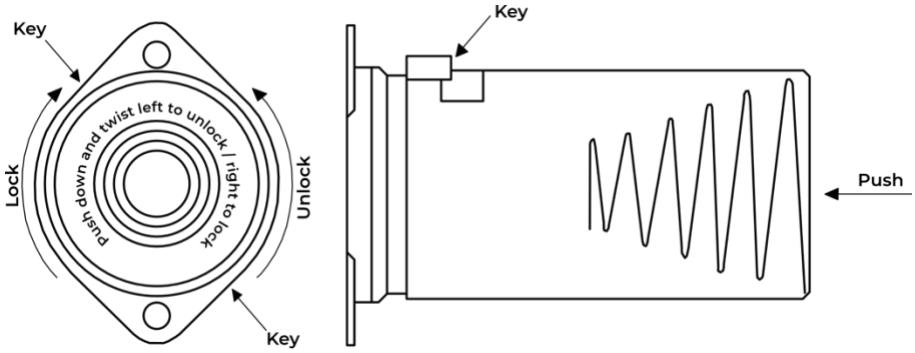
PRE-AMPLIFIER VACUUM TUBE ANTI-RESONANCE COVER

The Asterion V3 phono preamplifier tubes are housed in anti-resonance covers that not only provide anti-resonance and shielding properties but also protect the tubes during transportation.

If you need to replace the pre-amplifier tube, follow these steps to remove the cover:

1. Gently press and turn the cover to the left.
2. Slide the cover out of the locking grooves and lift it off.

After replacing the tube, carefully reposition the cover by aligning it with the locking grooves. Press down gently and turn it to the right to lock it in place.



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 centre 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.

GUARANTEE CONDITIONS
Your CANOR Asterion V3 phono preamplifier is guaranteed against any defect in materials and workmanship for 24 months from the date of purchase except for audio vacuum tubes that are covered by warranty for three months.
The warranty only applies if an original proof of purchase and acknowledged certificate of warranty can be furnished. The warranty covers defects in materials and labour but does not cover misuse, unauthorized modifications, and external causes such as acts of nature.

SPECIFICATIONS

Gain	MM 46 dB / MC 70 dB
Input impedance MC	10, 20, 40, 80, 150, 300, 600, 1200 Ω
Input capacitance MM	50, 150, 270, 370, 520, 620, 740, 840 pF
Output impedance	< 500 Ω
Inputs MM	RCA pair (unbalanced)
Inputs MC	RCA pair (unbalanced) and XLR pair (balanced)
Output	RCA pair (unbalanced)
Total harmonic distortion (MM, MC)	< 0.2 % / 1 Vrms
Subsonic filter	18 dB / Octave
RIAA accuracy (MM, MC)	+- 0.3 dB / 20 - 20 000 H
Signal-to-noise ratio MM	> 71 dBV (86 dBV - IEC - A)
Signal-to-noise ratio MC	> 68 dBV (82 dBV - IEC - A)
Tube Complement	2 x ECC83S, 2 x 12AT7WC
Power	230 V / 50 – 60 Hz / 40 VA
Dimensions (W x H x D)	435 x 120 x 370 mm
Dimensions (W x H x D with knob & connectors)	435 x 120 x 415 mm
Weight (Net)	12 kg
Weight (Gross)	17 kg

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