

# VIRTUS S1S USER MANUAL

**VIRTUS S1S**  
SOLID STATE  
POWER AMPLIFIER

POWER ●



● DIMM

VIRTUS S1S



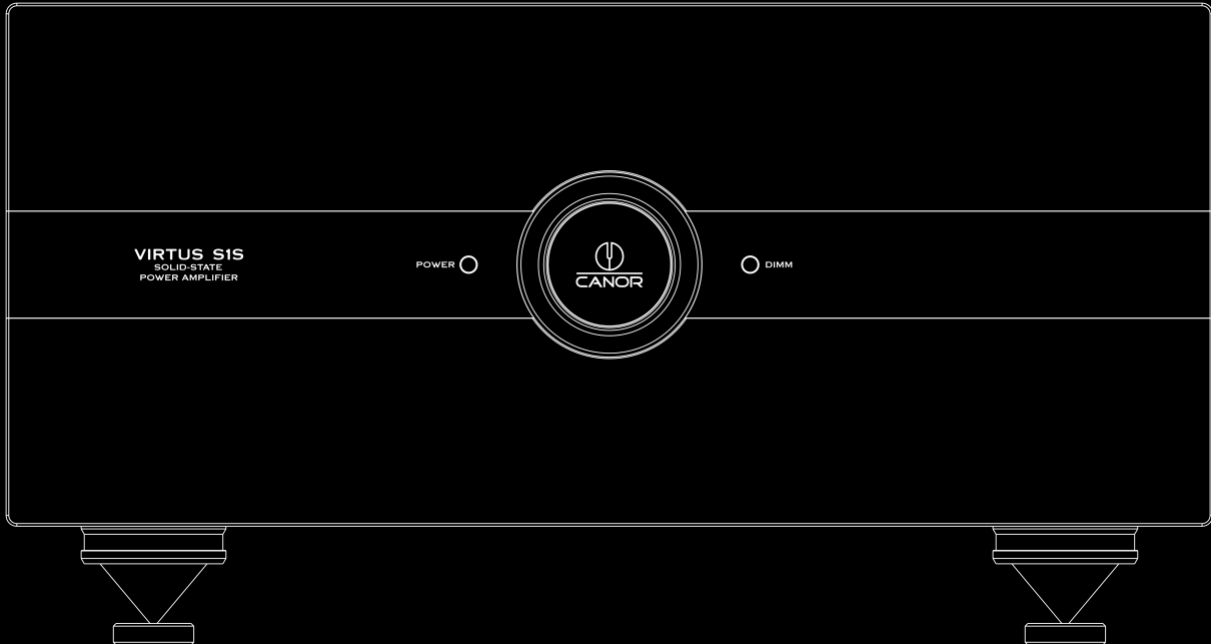
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**CANOR VIRTUS S1S**  
Solid-State Dual-Mono Power Amplifier

User Manual



Dear Music Lover,  
thank you for purchasing our CANOR VIRTUS S1S Solid-State Dual-Mono Power Amplifier. 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 amplifier.
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 VIRTUS SIS amplifier 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 in a way that ensures proper airflow. That means placing the amplifier on a sofa or on upholstered furniture is not allowed. The amplifier may not be covered over when in operation; it would otherwise prevent proper airflow around the vent holes of the amplifier.
8. Heat – amplifier must be placed so as 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 VIRTUS SIS 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 in order to avoid setting foot on it and ensure it is protected against mechanical damage.
11. If you do not use the amplifier for a longer period of time – 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 amplifier and, eventually, prevent the liquid from being leaked out on the amplifier.
13. Damages requiring service – equipment should be repaired only by qualified service in the event that:
  - 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 amplifier to rain or moisture!**

## **DELIVERY CONTENT**

- Shipping packaging
- CANOR VIRTUS SIS Solid-State Dual-Mono Power Amplifier
- Power cord
- Trigger cable
- Feet felt pads, spikes, and spike shoes
- Textile gloves
- CANOR VIRTUS SIS User Manual

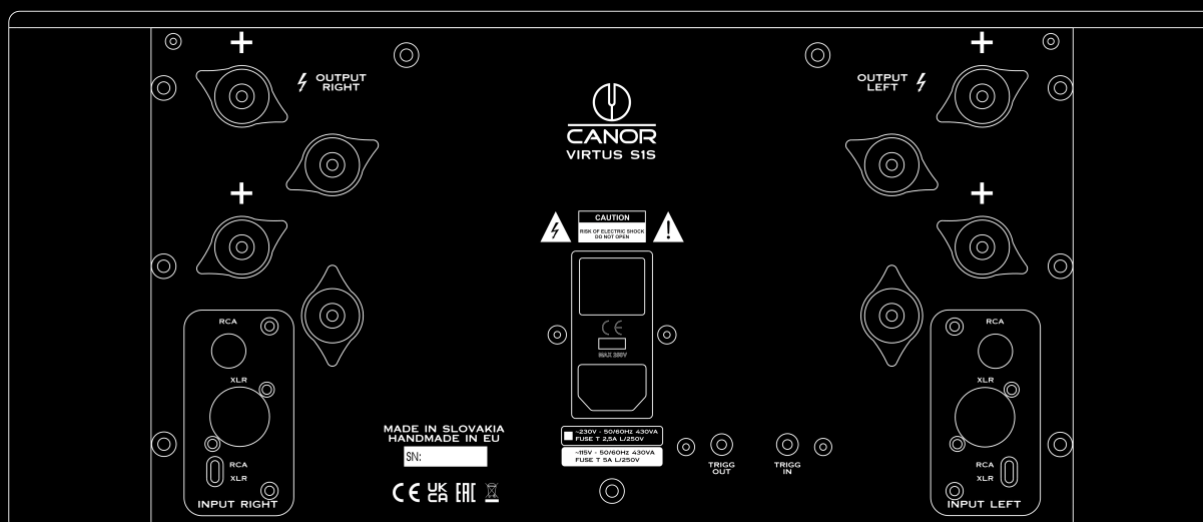
To eliminate vibrations, you can install the spikes and spike shoes on the standard flat legs of the device. In order to do so, just peel off the felt from the standard flat legs and screw the spikes in. Spikes and spike shoes are included in the device package.

## FRONT PANEL

- **POWER** – Turning on and off the amplifier.
- **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.

## BACK PANEL

- **TRIGGER INPUT** – Input for triggering cable from the preamplifier.
- **TRIGGER OUTPUT** – Bypass output for triggering cable.
- **POWER** – Mains power inlet/mains switch with mains fuse.
- **INPUT** – Analog left and right 3pin XLR inputs, Analog left and right RCA inputs
- **OUTPUT** – Left and right two pairs of speaker terminals.
- **INPUT SWITCH** – Dedicated switch for each channel for switching the setting between RCA and XLR input.



## BASIC FUNCTION OF REPRODUCTION

Plug the power cord in VIRTUS SIS. Turn on the amplifier with the Power Main switch, which is located on the back panel. When you turn on the main switch, the VIRTUS SIS will be set into standby mode - the red LED on the front panel lights up. There are two switches on the back panel that toggle between XLR and RCA inputs. Ensure these switches are set to the desired input before listening. After pressing the Power button on the front panel, the controlled 12-second turning-on sequence gets initiated. A single Power button push turns the device off and brings it to standby mode immediately.

When the amplifier is in operating mode, by clicking the DIMM button on the front panel you can change the backlight intensity in 5 levels.

## TEMPERATURE PROTECTION AND ERROR INDICATION

The VIRTUS SIS implements overheating protection. When the temperature on one or both power output stages overpasses the normal working temperature, the output stages automatically switch off to avoid their destruction. In this state, the CANOR logo backlight is blinking, which signals this issue. For cooling down, turn off the whole device and leave it turned off until the temperature lower down. Make sure, you are following the Safety Instructions (No. 8)

The amplifier contains an output DC voltage level detection as well. In case this error is detected, the CANOR logo backlight is blinking again. To fix this issue, the service will be needed.

#### **GUARANTEE CONDITIONS**

Your CANOR VIRTUS S1S power amplifier is guaranteed against any defect in materials and workmanship for 24 months from the date of purchase.

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.

#### **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.*

#### **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.

## SPECIFICATIONS

|                           |  |
|---------------------------|--|
| Stereo output power       | 2 x 400 W / 4 $\Omega$<br>2 x 250 W / 8 $\Omega$           |
| Gain                      | XLR: 26dB<br>RCA: 20dB                                     |
| Frequency range           | 20 – 20 000 Hz -0.1 dB / 5 W<br>5 – 250 000 Hz -3 dB / 5 W |
| Input impedance           | XLR: 200 k $\Omega$<br>RCA: 33 k $\Omega$                  |
| Inputs                    | 1 XLR Pair<br>1 RCA Pair                                   |
| Total Harmonic Distortion | < 0.0002 % / 1 kHz, 5W                                     |
| Signal-to-noise ratio     | > 120 dB   |
| Filtration capacity       | 107 600 $\mu$ F / 100 V (per channel)                      |
| Trigger                   | Yes  |
| Power                     | 230 V / 50-60 Hz / 1600 VA                                 |
| Dimensions (W x H x D)    | 450 x 210 x 522 mm   |
| Weight (Net)              | 39 kg  |
| Weight (Gross)            | 46 kg  |



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