

VIRTUS M1
VACUUM TUBE
POWER AMPLIFIER

POWER



DIMM

UL

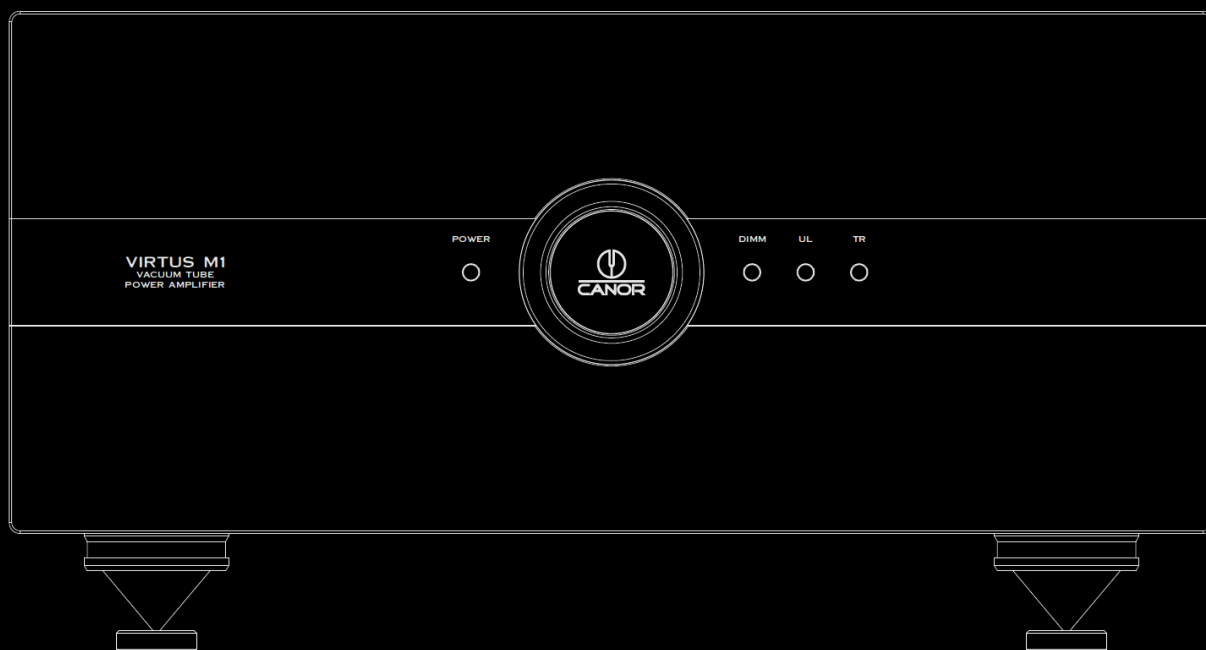
TR

CANOR
SPEAKERS



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CANOR VIRTUS M1 mono power tube amplifier user manual



Dear music lover,

thank you for purchasing our CANOR VIRTUS M1 mono power tube 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 – 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 – VIRTUS M1 amplifier should not be placed near water, for example near bathtubs, swimming pool, kitchen sink, 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 air flow. That means it is not allowed to place the amplifier on a sofa, nor on upholstered furniture. The amplifier may not be covered over when in operation; it would otherwise prevent proper air flow around the vent holes of the amplifier.
8. Heat – amplifier has to 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 M1 may not be any barrier. Alongside the unit should be ensured 20 cm minimal distance from other objects.
9. Power source – the device must be connected only to a mains 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 down on the amplifier, 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. power cord is damaged
 - b. device dropped into the water or was poured
 - c. device was exposed to rain
 - d. device works incorrectly
 - e. device fell down on the ground or is otherwise mechanically damaged
14. Repairs – all repairs must be entrusted to 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

1. Shipping packaging
2. Canor VIRTUS M1 power amplifier
3. Power cord
4. Trigger cable
5. Feet felt pads, spikes and spike shoes
6. Set of precisely selected power tubes KT150
7. Textile gloves
8. TX20 screwdriver / screws
9. Canor VIRTUS M1 user manual and tubes installation guide

FRONT PANEL:

- **POWER** – turning on and off the amplifier
- **UL** – pressing this button switches to an ultralinear mode.
- **TR** – pressing this button switches to a triode mode.
- **DIMM** – sets the display brightness in steps. From a turned off display to its maximum brightness.
- After turning on, the display is in its middle brightness level. In state of a turned off display during operating the device with function keys the display lights up and after a few seconds the display turns off again.

BACK PANEL:

- **FUSE TUBE 1 / FUSE TUBE 4** – 5x20 T315mA
- **TRIGGER INPUT** – input for triggering cable from preamplifier
- **TRIGGER OUTPUT** – bypass output for triggering cable
- **POWER** – mains power inlet / mains switch with mains fuse 5x20 T3,15A
- **INPUT** – analogue 3pin XLR input
- **OUTPUT** – dedicated 4 and 8 Ohm speaker terminals
- **ZERO FEEDBACK / FEEDBACK** – enables instant switching between the connection with the feedback or with zero global feedback.

Basic functions of reproduction

Plug the power cord in VIRTUS M1. 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 M1 will set into stand-by mode - the red LED diode on the front panel lights up. After pressing the Power button on the front panel, the controlled turning-on sequence gets initiated, which consists of cooling and preheating the tubes, thereby extending their life span. The cooling cycle is also being carried out when the unit is turned off. If the main switch on the back panel is not turned off, i.e. after turning off via button on the front panel, the 45-second countdown to cooling without indication begins. If you turn on the unit at this time, the cooling will continue and will be indicated by flashing red LED. When the cooling cycle is over then the main transformer gets connected and then the slow start-up of voltage begins.

This cycle lasts 45 seconds and then the red LED stops flashing, an output relay connects the signal to the input if the main power supply does not get disconnected.

You can connect both 4 and 8 Ohm loudspeakers. The amplifier has separated terminals for each type.

Guarantee conditions:

Your CANOR VIRTUS M1 power tube amplifier is guaranteed against any defect in materials and workmanship for a period of 24 months from the date of purchase except for audio vacuum tubes that are covered by warranty for a period of 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.

European Community Directives

This product is designed and manufactured in order to comply with existing laws of the European Community. This product is certified by testing laboratory and bears the CE mark.



Specifications:

Output power:	1 x 110W / 8 Ohm – ultralinear (THD < 3%) 1 x 55W / 4,8 Ohm – triode (THD < 3%)
Gain:	24 dB / 4 Ohm
Frequency range:	10 - 50 000Hz \pm 0,5dB / 5W
Input impedance:	200 kOhm
Input:	1x XLR
Total Harmonic Distortion:	<0,05% / 1 kHz, 5W / 8 Ohm – ultralinear <0,005% / 1 kHz, 1W / 8 Ohm – ultralinear
Signal-to-noise ratio:	>103dB (20 Hz – 80 kHz)
Tube Complement:	4x KT150, 2x ECC82, 1x 12AX7
Power:	230V / 50-60Hz / 410VA
Dimensions (WxHxD):	450 x 190 x 465 mm
Weight:	40 kg

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 upon 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 protection of the environment.





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