

Canor PH 1.10 USER MANUAL



MUTE

DIMM

CANOR

POWER

MM MC1 MC2 R C
Subsonic

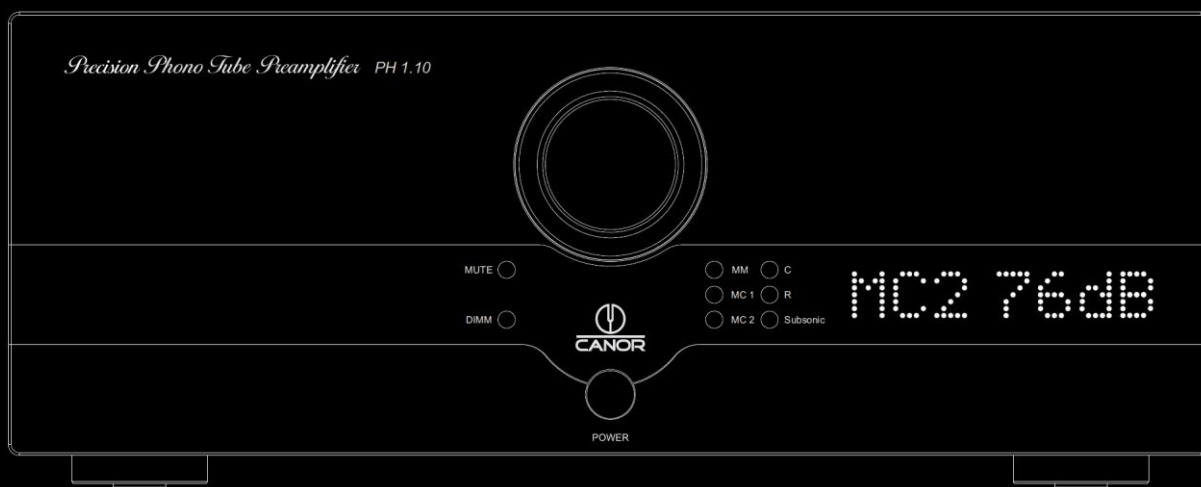
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CANOR PH 1.10 phono tube preamplifier user manual



Dear music lover,

thank you for purchasing our CANOR PH 1.10 Phono Tube Preamplifier.

To preserve and maintain the best characteristics of your preamplifier, 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 – PH 1.10 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 an 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 PH 1.10 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 PH 1.10 preamplifier 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.
14. 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 PH 1.10 Phono Tube Preamplifier
3. Power cord
4. CANOR PH 1.10 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 upon 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 protection of the environment.

CANOR PH 1.10 is a fully valved phono preamplifier for both MM and MC phono cartridges that contains as much as nine vacuum tubes (including one vacuum diode), and is equipped with a high-quality MC step-up Lundahl transformer.

The PH 1.10 is designed with regard to the highest possible audio quality. The overall electrical and mechanical construction is tailored to achieve this ultimate goal.

- wiring circuitry without any global feedback
- PCB's utilize our premium CMT™ technology
- absolute selection and tubes matching with above-average parameters
- vacuum-impregnated transformer core
- transformer potted in a special anti-vibration compound
- only high-quality polypropylene capacitors in the signal path
- high variability of gain settings, resistances and capacitances settings for all types of phono cartridges
- symmetric XLR output available

If a turntable is fitted with two tonearms, one having MM phono cartridge installed and the other MC, both can be connected simultaneously without mutually affecting each other.

FRONT PANEL

POWER – turning on and off the preamplifier.

MUTE – pressing this button results in an instant muting of the volume. Subsequent pressing results in default volume.

DIMM -sets the display brightness in six steps whereby 0 is a turned off display, and 5 is maximum brightness. After turning on, the display brightness level is 3 and by repeated pressing or holding the button, brightness lowers to values 2,1,0 and continues to rise until maximum brightness (5) is reached, and repeatedly lowers until display is turned off. In state of a turned off display during operating the device with function keys the display lights up to brightness 2, and after a few seconds the display turns off again.

MM – to use with Moving Magnet cartridges. Gain: 46dB

Available MM loads: 50pF , 150pF , 270pF , 370pF , 520pF , 620pF , 740pF and 840pF.

C – this button will set the loading capacity for Moving Magnet cartridge (MM input) in steps: 50pF to 840pF.

MC1 – to use with Moving Coil cartridges. Gain: 70dB

Available MC1 resistance: 10R , 20R , 40R , 80R , 150R , 300R , 600R , 1200R.

MC2 – to use with Moving Coil cartridges. Gain: 76dB

Available MC2 resistance: 2R , 5R , 10R , 20R , 40R , 80R , 150R , 300R.

R – pressing this button will set loading resistance for Moving Coil cartridge (MC input) in steps:

MC1 (70dB) : 10R , 20R , 40R , 80R , 150R , 300R , 600R , 1200R

MC2 (76dB) : 2R , 5R , 10R , 20R , 40R , 80R , 150R , 300R

Subsonic – subsonic ON / subsonic OFF

Main Rotary Knob = adjusting loads and resistance for dedicated input. Replaces the C / R buttons.

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.



Basics

Plug the power cord in PH 1.10. Turn on the PH 1.10 with the Power Main switch, which is located on the back panel. When you turn on the main switch, the PH 1.10 will set into stand-by mode - the red LED diode on the front panel lights up. After pressing the Power button 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, and 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 toroidal transformer gets connected (the CANOR logo lights up), and then the slow start-up of voltage begins. This cycle lasts 20 – 30 seconds.

Specifications :

MM:	50,150,270,370,520,620,740 a 840 pF / Gain: 46dB
MC1:	10,20,40,80,150,300,600 a 1200 Ohm / Gain: 70dB
MC2:	2,5,10,20,40,80,150 a 300 Ohm / Gain: 76dB
Output Impedance:	100 Ohm
Inputs:	RCA – MM / RCA - MC
Outputs:	RCA / XLR
Total Harmonic Distortion:	MM / MC <0,1% / 1VRMS
Subsonic Filter:	18dB / Octave
RIAA Accuracy:	0,3dB / 20Hz – 20kHz
Signal-To-Noise ratio MM:	72dBV (87dBV – IEC-A)
Signal-To-Noise ratio MC:	68dBV (82dBV – IEC-A)
Tube Complement:	8x 6922 , 1x 6CA4
Power:	230V / 50Hz / 70VA
Dimensions (WxHxD):	435 x 170 x 485 mm
Weight:	17 kg

Guarantee conditions:

Your CANOR PH 1.10 Phono Tube Preamplifier 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 labor, but does not cover misuse, unauthorized modifications, and external causes such as acts of nature.



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