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## **CANOR TP 305 preamplifier User Guide**

Dear lover of music,

thank you, that you have purchased our CANOR TP 305 phono MM/MC preamplifier. To preserve and maintain the best characteristics of your preamplifier, we recommend you carefully read the following lines.

### **Safety instructions**

Please, read before placing the device in action.

1. Read the instructions - all safety information and instructions should be read before using the preamplifier.
2. Keep instructions - security and user instructions should be stored for possible later use.
3. Follow the instructions - all the security and user instructions should be followed.
4. Water and moisture - preamplifier should not be placed near water, for example near the baths, swimming pool, kitchen sink, etc..
5. Accessories - do not use accessories not recommended by the manufacturer.
6. Location - do not put a device on the fragile backing. The device may fall, which can cause serious injuries to children or adults, as well as damage to the device. Use only backings or stands recommended by the manufacturer or sold to dealers at the same time 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. Wall mounting - the device should be mounted on the wall only if the manufacturer recommends.
8. Ventilation - equipment should be placed so that it guarantees it a good airflow. This means that it must not lie on the sofa or upholstered furniture, in the working condition it must not be covered. It would then prevent proper air flow around the vent holes of device.
9. Heat – the device must be located so as to avoid the heating from heat sources, for example heaters or stoves or other heat-producing equipment.
10. Power source - the device must be connected only to a power supply, for which it is proposed.

11. Power cord - it is necessary to pay particular attention to a power cord, it must be positioned so as to avoid stepping on it and to ensure it is protected against mechanical damage.
12. The longer the period during which you do not use the preamplifier – you should disconnect the power cord from the mains supply, or at least turn off the main power switch located on the front panel.
13. Subjects containing liquid - do not place these objects (vases, flower pots), so that they can fall on the preamplifier, possibly a fluid could leak out of them on the unit.
14. Damage requiring service - equipment should be repaired only to qualified service. Once:
  - a) power cord is damaged
  - b) the device fell into the 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.
15. Repairs - all repairs must be entrusted to qualified service.
16. General warning - use the device only in accordance with the instructions.

**Caution! To help you avoid an electric shock, do not expose the preamplifier to rain or moisture**

The CANOR TP 305 is a fully valved phono MM/MC preamplifier of dual mono construction equipped with high-quality MC step-up Lundahl transformers. The front panel is made of solid cherry wood with a quality paint finish.

The TP 305 is designed with a view to the highest possible audio quality. This is tailored to the overall electrical and mechanical construction. To achieve this, the TP 305's power supply has oversized toroidal transformer and uses vacuum rectifier EZ81 to rectify anode voltage of amplifying tubes. There are seven pieces of tubes used altogether, 6SL7, 6SN7 and 6922.

When you turn the unit on, flashing logo in the middle of the front panel of the device starts flashing. The phono stage is ready for use when the logo stops flashing and lights up permanently.

The first stage consists of two parallel triodes for reducing audible noise and ensuring the highest gain.

Behind the first stage there is a passive RIAA correction.

Then the second stage is integrated with the second passive correction. Output buffer provides very low output impedance. The active part is 40 db amplification at 1kHz. This gain is sufficient for the overwhelming majority of MM pickups.

Both MM and MC pickup can be connected to the input at the same time.

Desired input (MM or MC) to select by the switch in the back.

If MM input selected - RCA - INPUT MM signal is being processed.

It is possible to adapt to different pickups as well.

To this serve jumpers SETTING FOR MM 22pF, 100pF, 220pF, 470pF, 1000pF.

Input impedance of MM input is 47 kOhms.

Input capacitance is dependent on jumper settings. The smallest value is 22pF and the biggest value is 1812pF.

Resultant capacitance equals to sum of capacitancies based on jumper settings („ON“ values).

If you switch over the selector to the MC-Input position, the MM input gets disconnected and the INPUT MC gets connected.

Capacitance selected in SETTING MM disconnects completely.

Prior to the phono preamplifier active part, the passive step- up Lundahl transformer gets connected.

According to the SETTING FOR MC table it is possible to choose one of three combined gain and impedance 54dB/400 ohms, ohms 60dB/100 or 66dB/25 ohms.

„ON“ stands for an embedded jumper in given position.

„OFF“ stands for not embedded jumper.

**Caution! Inside your CANOR TP 305 preamplifier there are no parts or adjusting features that user can set or correct**

## Service

Should you encounter a problem which you are not able to alleviate or identify despite above information, please contact your dealer for further advice. Only when the problem cannot be resolved should the unit be sent to the responsible distributor in your country.

## 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.



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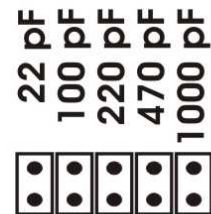
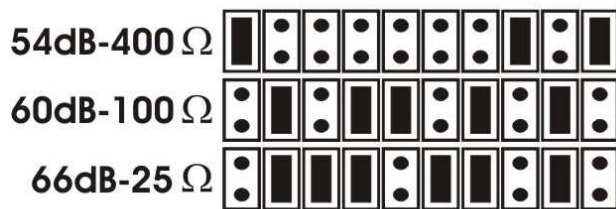
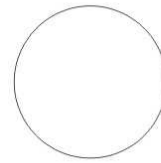
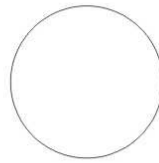
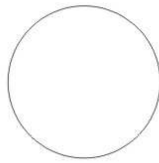
## Specification

Tubes	2 x 6922, 2 x 6SN7, 2 x 6SL7 , 1 x EZ81
Input impedance, MM	47 kohms
Input capacitance MM	22pF/100pF/220pF/470pF/1000pF
Gain MM	40dB/ 47 kOhms
SNR MM	78dB
Input impedances MC	25ohms/100ohms/400ohms
Gain MC	54dB/400Ohms,60dB/100Ohms,66dB/25Ohms
SNR MC	70dB
THD	0,05%
RIAA-equalisation curve accuracy	20Hz - 20kHz / $\pm 0,3$ dB
Power	230V-50Hz / 60W
Dimensions W x H x D	435 x 122 x 350mm
Weight	9kg

**INPUT MC**

**INPUT MM**

**OUTPUT**



OFF

ON



**SETTING FOR MC**



**SETTING FOR MM**

OFF

ON