

EVOLUTION PHONO ONE

Solid-state Phono Preamplifier



User's Manual

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SAFETY PRECAUTIONS

IMPORTANT SAFEGUARDS PLEASE READ CAREFULLY ALL THE FOLLOWING IMPORTANT SAFE- GUARDS THAT ARE APPLICABLE TO YOUR EQUIPMENT

CAUTION!

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SAFETY

- 1) **Read the User's Manual and refer to it frequently during use of this product** - All the safety and operating instructions should be read before the product is operated.
- 2) **Retain the User's Manual** - The safety and operating instructions should be retained for future reference.
- 3) **Follow Instructions** - All operating and instructions for use should be closely followed.
- 4) **Power Sources** - This product should be operated using only the type of power source indicated on the marking label. If you are not sure of the type of power supply in your home, consult your product dealer or local power company.
- 5) **Grounding** - This product is equipped with a three prong IEC connector. Always use power cord with adequate wire cross section and an electrical outlet that is grounded. If you do not know whether the outlet is grounded, consult your electrician or local power company.
- 6) **Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched. Pay particular attention to cords at plugs, convenience receptacles and where they exit from the product. Always use power cords with adequate current ratings and safety certifications (UL, CE, TÜV, CSA, etc.)
- 7) **Fuses** - For continued protection against fire hazard, replace fuses with the same type and rating of the fuses specified. When changing fuses, completely unplug the AC cord from the wall outlet.
- 8) **Turn-off when not using** - Turn off the unit as soon as you stop actively using it. Unplug the power supply from the wall during a lightning storm or when the product is to be left unattended and unused for longer periods of time.



ENVIRONMENT

- 1) **Water and Moisture.** Do not use this product near water - i.e. near a bathtub, ash bowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool or the like. Damp basements should be avoided.
- 2) **Heat.** The product should be situated away from heat sources such as radiators, heat registers, stoves or other appliances that produce heat. Also avoid putting the unit in the direct rays of the sun.
- 3) For indoor use only.

PLACEMENT

- 1) **Accessibility.** It is normal for an audio device to run warm if used for prolonged periods. Always place your device away from children and pets to prevent burns.
- 2) **Surface.** Place the unit on a flat level surface. Care should be taken to prevent objects from falling and liquids from spilling into the unit. Do not subject the unit to excessive smoke, dust, vibration or shock.

MAINTENANCE

- 1) **Cleaning.** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

No other regular maintenance is required.

SERVICE

- 1) **Replacement Parts.** When replacement parts are required, be sure that the service technician uses replacement parts specified by the manufacturer or parts with the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
- 2) **Modifications.** Modifications to the amplifier are strongly discouraged. The unit was designed by experienced engineers and tested for safe and reliable operation. Any modification may pose a safety risk and result in reduced lifetime of the product. Any removal of the cover will void warranty.

GETTING STARTED - ABOUT YOUR PHONO PREAMPLIFIER

Your **Evolution Phono One** was designed to provide a significant value based on high performance-to-price ratio based on a carefully designed circuit and optimized component selection.

The **Evolution Phono One** provides separate MM and MC inputs, with possibility to select MC input impedance for optimum cartridge loading.



PACKAGING

Save the original packaging in a dry place. The packaging has been designed to protect your device from stresses incurred during shipping. Using packaging different from the original increases risks of shipping damages.

PREPARATION FOR USE

- 01) Place your **preamplifier** on a flat, stable surface.
- 02) **Power switch**, located on the left side of the unit should be in the **OFF position**.
- 03) Make sure that the **voltage selector switch** (located next to the AC inlet) is properly set for the line voltage in your country.
- 04) **Plug in the power cord**.
- 05) **Connect LINE OUT** of the Evolution Phono One to **line inputs of your preamplifier** or integrated amplifier. Make sure that volume control is set to minimum.
- 06) **Connect your turntable to the MM or MC input**, depending on your cartridge type.
- 07) If the tonearm comes with the grounding wire, **connect the wire to the grounding plug (GND)** on the rear panel of the phono preamplifier.
- 08) By using the front panel input selector switch, **select the cartridge type**, MM or MC.
- 09) By using the impedance selector switch, **select the loading impedance**, as recommended by your cartridge manufacturer.
- 10) **Turn on the Evolution Phono One** and your preamplifier or integrated amplifier
- 11) **Slowly increase volume**, to make sure there are no unusual noises coming out of the speakers.
- 12) **CONGRATULATIONS!** You are all set and ready to enjoy high sound quality of the **Evolution Phono One preamplifier**.



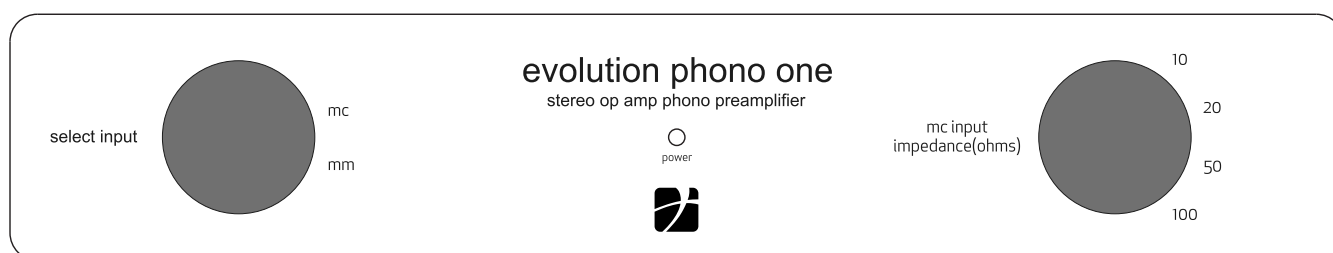


CONTROLS AND THEIR FUNCTIONS

FRONT PANEL

Input Selector: The two position “select input” switch is used to select MM or MC input

MC input impedance: The four positions selector switch is used to set input impedance (loading impedance) for MC cartridges. The impedance should be selected based on cartridge manufacturer’s recommendations.



LEFT SIDE OF AMPLIFIER:

Power ON/OFF switch: The switch turns the preamplifier ON and OFF



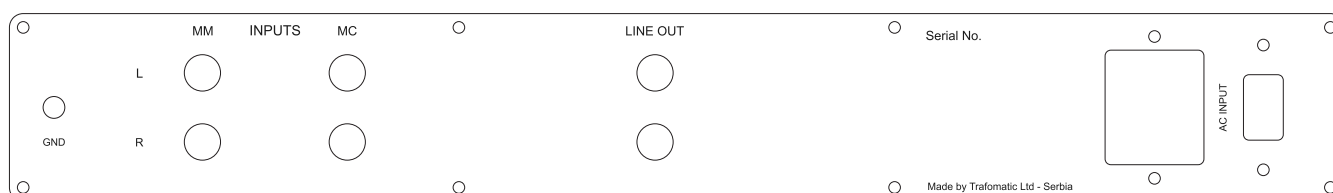


CONTROLS AND THEIR FUNCTIONS

REAR PANEL

The only control on the rear panel is the line voltage selector switch located next to the AC power inlet (AC INPUT). This switch needs to be set so that the number displayed (115 or 230) corresponds to the line voltage in your country.

The rear panel also hosts grounding lug (GND), MM and MC inputs and single-ended (unbalanced) line outputs.



SERVICING

High quality parts and careful design of Evolution Phono One ensure long and reliable operation without need for any regular maintenance or parts replacement. In an unlikely case that the unit does not operate as intended, please contact factory or your local distributor for assistance.

CAUTION

Lethal voltages are present inside the amplifier. Do not remove the preamplifier's covers. Servicing of the unit should be performed only by authorized service personnel.





TECHNICAL SPECIFICATIONS:

EVOLUTION PHONO ONE

Gain: MM – 40 dB, MC – 64 dB using low hum J-Fet

Noise and Hum – 80 dB at MM , 76dB at MC

Output voltage 0.5 Vrms

Inputs: MM (RCA) – 47k/200pF , MC (RCA) – 10, 20, 50, 100 ohms selectable

Output Impedance: 600ohms

RIAA Accuracy: +/- 0.4 dB max below 1KHz , 0.6dB max above 1KHz

OP AMP: OPA 2134 , two per channel

Power supply: Low Induction toroid transformer by Trafomatic Audio,

Requirements: 120V-60Hz/ 240V/ 50Hz switchable , 15 watts

Weight: 6 kg

Dimensions: 450x 320 x 100mm

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www.trafomaticaudio.com