

PREMISE EVOLUTION

Tube Integrated Stereo Amplifier



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) **Tubes** - During operation, the vacuum tubes get very hot. Allow at least 30 minutes after removing power for tubes to cool down.
- 9) **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.



premise evolution
stereo integrated tube amplifier

power



min max
volume

inputs
1 2 3 4



bowers
& wilkins

premise evolution
stereo integrated tube amplifier

min max
volume

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) **Ventilation.** Proper ventilation is critical for safe and reliable operation of all vacuum tube based equipment. This product should not be placed in a built-in installation or rack unless proper ventilation is provided or the manufacturer's instructions have been followed. Never place anything on top of your unit that could obstruct airflow and cause vacuum tubes to overheat and damage the unit. Do not place your unit in a closed bookcase; overheating could occur. Ensure that there is at least 8" (200 mm) of open space above the unit.
- 3) **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.
- 2) **Tube replacement.** Vacuum tubes have life in the 5000 hour range. We recommend replacing the tubes after 24-36 months, depending on your listening habits. That will ensure that the preamplifier always performs at its best and tube failure will not overstress other parts of the unit.
- 3) **Biassing the amplifier.** Biasing of the **Premise Evolution** is not 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) **Tube replacement.** Should it become necessary to replace the vacuum tubes, remove the AC power plug from the wall and allow thirty minutes (30 min) for the high voltage capacitors to discharge. Follow instructions outlined below in the section "Handling vacuum tubes".
- 3) **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 safety risk and result in reduced lifetime of the product. Any removal of the cover will void warranty.

GETTING STARTED

ABOUT YOUR AMPLIFIER

Your **Premise Evolution Integrated Amplifier** was designed to provide an excellent value based on its high performance, which is a result of carefully designed circuit and optimized component selection. The design utilizes minimum number of active parts and top quality passive elements. The **Premise Evolution** carved a place of its own within Trafomatic Audio's Evolution product lineup.

The design is based on **Tungsol EL84 power tubes**. Four tubes in each channel are configured to operate in push-pull and biased to operate in pure Class A. The power output of 25W per channel is adequate to drive even the most demanding speakers.

The operation of output tubes can be switched between Triode and Ultralinear by a top-plate mounted switch. Make sure to turn the amplifier off when changing the mode of operation.

Life of the output tubes is maximized by a proprietary auto standby circuit. Automatic bias ensures optimized performance throughout life of the tubes without need for periodic adjustments.

Fit and finish of the **Premise Evolution** makes it a welcome addition to every living environment.

The **Premise Evolution Integrated Stereo Amplifier** has four (4) line-level inputs and dedicated outputs for four (4) or eight (8) ohm speakers.

HANDLING AND REPLACING VACUUM TUBES

Many people have never had experience handling vacuum tubes. Process is very similar to handling incandescent light bulbs. As with the light bulbs, you should not touch a vacuum tube when it is operating since you can burn yourself. Similarly, if a tube is dropped on a hard surface it may break or change critical operating parameters. When replacing the tubes, allow sufficient time, minimum 30 minutes, for tubes to cool down and internal capacitors to discharge.

Before you insert a tube you should make certain that the unit is disconnected from the AC outlet. Inspect the tube for cracks and physical damage. Make sure that the pins are straight. If you need to straighten the pins, be very careful as it may cause the glass envelope to break, causing the tube to lose the vacuum and fail as soon as the unit is powered on. Carefully align the pins with the socket and gently insert the tube.

Never force a tube into a socket.

Only the same type of vacuum tubes can be used - no substitutions are allowed. Should you decide to buy replacement tubes from Trafomatic Audio, rest assured that they were fully tested before the shipment.

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

- Place your unit on a flat, stable surface.
- Power switch, located on the left side of the unit should be in the OFF position.
- Make sure that the voltage selector switch (located on the rear panel, next to the AC inlet) is properly set: this switch needs to be set so that the number displayed (115 or 230) corresponds with the line voltage in your country.
- Plug in the power cord.
- Connect audio source to one of the amplifier's inputs and make sure that input selector switch is in the corresponding position.
- If some of your sources require signal grounding (turntable tonearm, for example), connect the wire to the grounding lug (GND) on the rear panel of the amplifier.
- By using the front panel input selector switch, select the appropriate audio source (rca1 through rca4).
- Make sure that volume control is set to minimum position.
- Turn on the Premise Evolution by using power switch located on the left side of the unit.
- Slowly increase volume, to make sure there are no unusual noises coming out of the speakers.
- CONGRATULATIONS! You are all set and ready to enjoy high sound quality of the Premise Evolution Integrated Stereo Amplifier.





min
max
volume

premise evolution
stereo integrated tube amplifier

power



Ақпарат

1000

1000

1000

1000

1000

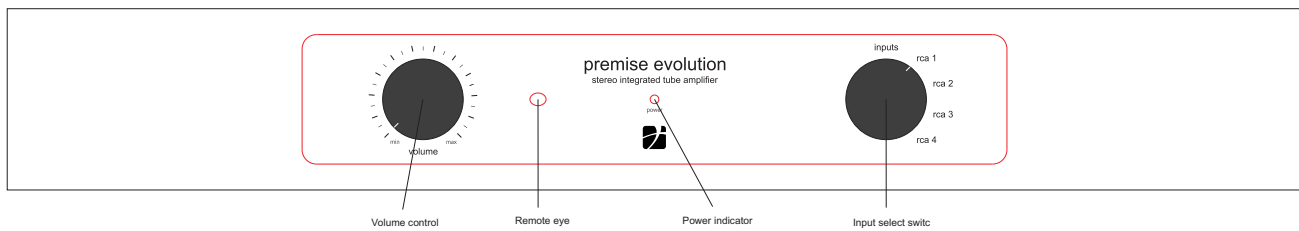
CONTROLS AND THEIR FUNCTIONS

FRONT PANEL

Input Selector: The four positions “Inputs” switch is used to select one of the four available line-level inputs, marked RCA1 through RCA4.

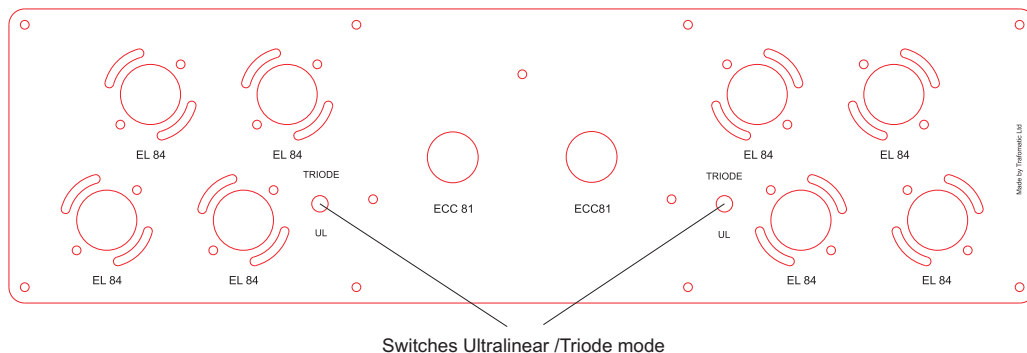
Volume control: regulates maximum outputs on the speaker terminals outputs.

The front panel also has the power on light and window for the remote control receiver.



TOP PANEL

The top panel of the Premise Evolution hosts two switches marked (Triode - UL). The switches are used to change the mode operation between Triode and Ultralinear. It is important to change the mode when the amplifier has been turned off for at least 30 seconds. Changing the mode of operation while the amplifier is working may cause damage to the output circuit.



LEFT SIDE OF THE UNIT

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

- When turning on the amplifier, make sure that the volume control is at its minimum. The amplifier will be fully functional after only 30 seconds. However, as it warms up over the first 15 minutes of operation, you may notice subtle improvements in the sound quality.
- At the end of your listening session, make sure to turn the amplifier off. Leaving it turned on does not improve sound quality and it reduces life of the vacuum tubes.
- The amplifier should always be turned on and off via its own power switch.

Standby switch: engaging this switch(position 0) the Premise Evolution enters the standby mode. In this mode high voltage is removed from the vacuum tubes thus reducing power dissipation and extending tube life. This switch can be also engaged prior to turning the amplifier on, to reduce tube stress; it can also be used during periods when the amplifier is not used, but it needs to be ready to perform at it's peak in a short time: when the unit exits standby mode (switch in position 1)the amplifier is fully functional in seconds.



INPUTS

RCA 1 RCA 2 RCA 3 RCA 4

RIGHT SPEAKER

0 4 8 0 4 8

Serial No.

LEFT SPEAKER

Made by Trafomatic Ltd - Serbia

AC INPUT

230

RCA 1 RCA 2 RCA 3 RCA 4

0 4 8 0 4 8

RIGHT SPEAKER

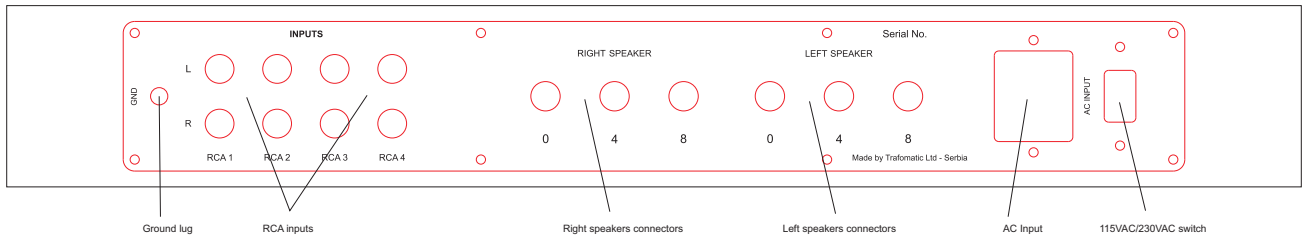
LEFT SPEAKER

AC INPUT

230

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 with the line voltage in your country.

The rear panel also hosts:

- Grounding lug (GND)
- Four line inputs (RCA1 through RCA4)
- Speaker terminals, in form of five-way binding posts. Each channel has three terminals, marked 0, 4 and 8. Speaker wire going to the negative speaker terminal should be connected to binding post marked with 0, while the positive terminal should be connected to the binding post with marking that corresponds to the nominal impedance of the speaker.

REMOTE CONTROL

Premise Evolution comes with its own dedicated remote control. For the sake of simplicity, reliability and long battery life, basic functionality is provided via two buttons: volume up and down.

SERVICING

High quality parts and careful design of the Primavera ensure long and reliable operation without need for any maintenance other than that listed in the MAINTENANCE section. 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:

PREMISE EVOLUTION TUBE INTEGRATED STEREO Amplifier

Class of operation: Push-Pull (class A), Triode or Ultralinear mode (user-selectable)

Tube complement: 2xECC81, 8xEL84 (Tungsol)

Input impedance: 100 Kohms

Inputs: 4xRCA

Input sensitivity: 0.85Vrms

Outputs: 4, 8 ohms

Output power: 2x25W

THD: 0.25% @1W, 1kHz

S/N ratio: 85dB

Frequency bandwidth: 10Hz (-1dB) – 60kHz(-3dB)

Input voltage: 230V/50Hz – 115V/60Hz switchable

Power consumption: 250VA

Remote controlled volume control

Size: 450x320x195 mm

Weight: 22 kg

PREMISE EVOLUTION

TUBE INTEGRATED STEREO AMPLIFIER



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