

 **PrimaLuna[®]**

EvoLution Series

Tube Preamplifiers

EVO 100

EVO 200

EVO 300

EVO 400





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Thank You!

We would like to thank you for choosing one of our PrimaLuna EVO Tube Preamplifiers at the heart of your music system. The EVO Tube Preamplifiers are the newest versions of the original first members of this family of affordable, high-quality tube products. The designers and builders of the PrimaLuna equipment all have a long history in high-end audio. We feel we have shown with PrimaLuna that we are able to offer a range of affordable yet elegant audio instruments that can easily compete with today's most expensive brands and we assure you we will continue that way. We firmly believe that our quality level will set the bar at a difficult height for other products to match.

This PrimaLuna EVO Tube Preamplifier features:

- Hand-made construction of a heavy-gauge, fully-vented steel chassis with a five coat finish, each coat hand-rubbed and polished, holding the finest point-to-point wiring, using workmanship that is normally only available at the highest price.
- Elegant style, heavy-metal remote controls for all EVO Tube Preamplifiers.
- Premium parts that include separate toroidal and EI transformers for left and right channel power supply; wide bandwidth for great bass and extended highs; ceramic tube sockets; motorized ALPS volume control; Nichicon and DuRoch capacitors; 5AR4 tube-rectifier-circuitry; gold-plated panel mounted RCA and XLR (EVO 400 only) input and output jacks.
- A 100% shielded Phono chassis for mounting our optional MM PhonoLogue circuit.
- SoftStart™ circuit for extended life of sensitive components, reduced chance of tube failure from thermal shock.
- All PrimaLuna power transformers include the PTP™ (Power Transformer Protection) circuit. When the power transformer overheats due to environmental circumstances, overloading or some problem in the unit, an internal thermal switch breaks the primary, allowing the unit to cool down before harm is done. After it's cooled, contact is restored and if nothing is broken, the preamp will repower and function properly.
- LIVE side of the AC input connector indicated by aluminium color screw.
- A minimum of 4 line-level inputs (RCA or XLR), depending on the model you own.
- 1 pair of RCA Tape Out, 2 pairs pre-out (RCA or XLR), depending on the model you own.

We hope that our PrimaLuna EVO Tube Preamplifiers will make you want to follow our next steps in expanding our range of products. If you have any questions or comments, don't hesitate to contact us. You can also share your thoughts with others, for example at the FaceBook PrimaLuna Amplifiers Owners Group or other review sites.

We keep our prices low by relying on word-of-mouth and customer feedback, and we would appreciate hearing what you have to say about our product. Finally, if you need service during or after the warranty period, please don't hesitate to contact us.

Thanks again for your support!

Herman van den Dungen
DUROB AUDIO BV

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Specifications **Model EVO 100**

Output Voltage	2 Volts / Channel
Frequency Response	28 Hz – 50 kHz +/- 1 dB 15 Hz – 80 kHz +/- 3 dB
THD	< 0.2% @ 2V
S/N Ratio	93 dB (100 dB A weighted)
Input Impedance	220 kOhm
Input Sensitivity	580 mV (for rated output at maximum volume setting)
Gain	10.8 dB
Power Consumption	52 Watts
Weight	Net: 30.8 lbs / 14 kg Shipping: 39.6 lbs / 18 kg
Dimensions	15.9" x 11" x 7.5" / 405 mm x 280 mm x 190 mm (L x W x H)
Inputs	4 pairs Stereo RCA
Outputs	1 pair RCA Tape, 2 pairs Stereo RCA
Tube Complement	2 x 5AR4, 2 x 12AX7, 2 x 12AU7
Output Impedance	2800 Ohm

All PrimaLuna products come with PrimaLuna Silver Label tubes which are pre-selected by us following our simple 60 out of 100 rule (PTS™ - Premium Tube Selection) and as such, are already "special" when compared to other standard tubes on the market.

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Specifications **Model EVO 200**

Output Voltage	2 Volts / Channel
Frequency Response	28 Hz – 43 kHz +/- 1 dB 14 Hz – 92 kHz +/- 3 dB
THD	< 0.5% @ 2V
S/N Ratio	93 dB (100 dB A weighted)
Input Impedance	220 kOhm
Input Sensitivity	620 mV (for rated output at maximum volume setting)
Gain	10 dB
Power Consumption	51 Watts
Weight	Net: 39.6 lbs / 18 kg Shipping: 48.4 lbs / 22 kg
Dimensions	15.9" x 14.4" x 8.1" / 405 mm x 365 mm x 205 mm (L x W x H)
Inputs	4 pairs Stereo RCA, 1 pair Home Theater
Outputs	1 pair RCA Tape, 2 pairs Stereo RCA
Tube Complement	2 x 5AR4, 4 x 12AU7
Output Impedance	2800 Ohm

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Specifications **Model EVO 300**

Output Voltage	2 Volts / Channel
Frequency Response	18 Hz – 38 kHz +/- 1 dB 12 Hz – 75 kHz +/- 3 dB
THD	< 0.5% @ 2V
S/N Ratio	93 dB (98 dB A weighted)
Input Impedance	220 kOhm
Input Sensitivity	650 mV (for rated output at maximum volume setting)
Gain	9.7 dB
Power Consumption	61 Watts
Weight	Net: 52.8 lbs / 24 kg Shipping: 63.8 lbs / 29 kg
Dimensions	15.9" x 15.2" x 8.1" / 405 mm x 385 mm x 205 mm (L x W x H)
Inputs	5 pairs Stereo RCA. 1 pair Home Theater
Outputs	1 pair RCA Tape, 2 pairs Stereo RCA
Tube Complement	2 x 5AR4, 6 x 12AU7
Output Impedance	256 Ohm

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Specifications **Model EVO 400**

Output Voltage	2 Volts / Channel
Frequency Response	18 Hz – 38 kHz +/- 1 dB 12 Hz – 75 kHz +/- 3 dB
THD	< 0.5% @ 2V
S/N Ratio	93 dB (98 dB A weighted)
Input Impedance	220 kOhm
Input Sensitivity	650 mV (for rated output at maximum volume setting)
Gain	9.7 dB
Power Consumption	61 Watts
Weight	Net: 52.8 lbs / 24 kg Shipping: 63.8 lbs / 29 kg
Dimensions	15.9" x 15.2" x 8.1" / 405 mm x 385 mm x 205 mm (L x W x H)
Inputs	3 pairs Stereo RCA, 2 pairs Stereo XLR. 1 pair Home Theater RCA
Outputs	1 pair RCA Tape, 1 pair Stereo RCA, 1 pair Stereo XLR
Tube Complement	2 x 5AR4, 6 x 12AU7
Output Impedance	256 Ohm

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Warning

To prevent serious injury, electrical shock or fire:

- Do not operate with the bottom plate removed. Keep away from rain and moisture.
- Disconnect the ac mains cable before changing fuses and/or tubes.
- Do not replace fuses with any fuse other than the same type and rating as used by the factory.
- Do not replace tubes without reading instructions.
- Do not replace fuses or tubes if you have any doubt about your ability to do so.
- We accept no responsibility for any personal or material damage due to incompetent use or users.

Package Contents

EVO Tube Preamplifier	1 piece
EVO Remote Control	1 piece
Power Cord	1 piece
This Owner's Manual	1 piece
White Gloves	1 pair
Tube Complement	See specification pages
Spare Mains Littelfuse Model 213 fuse	1 piece

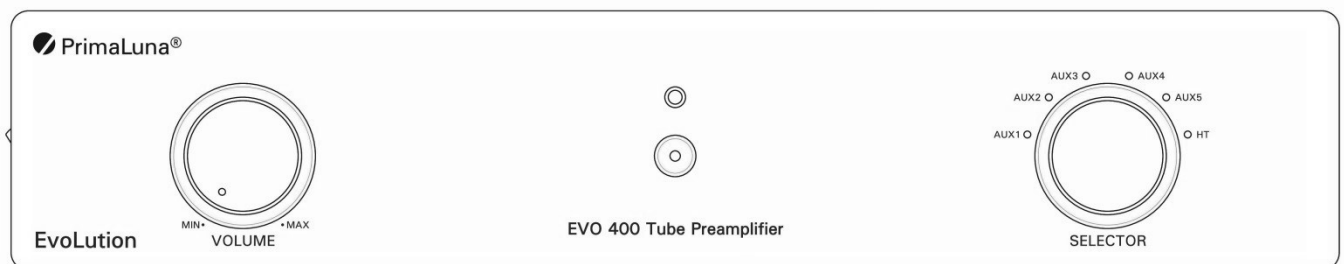
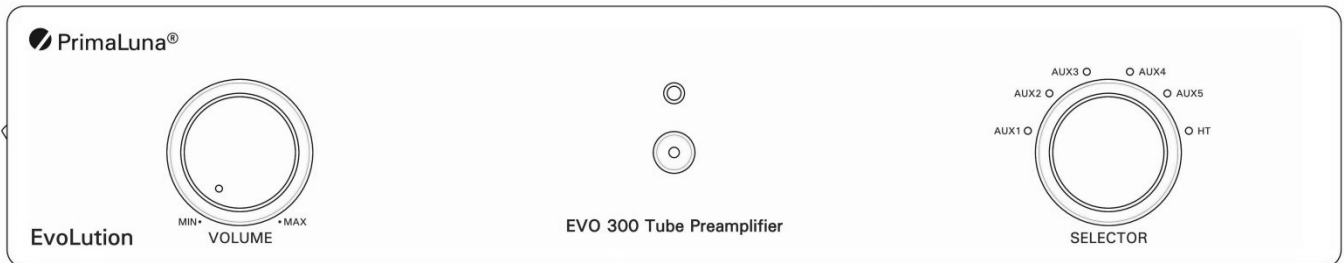
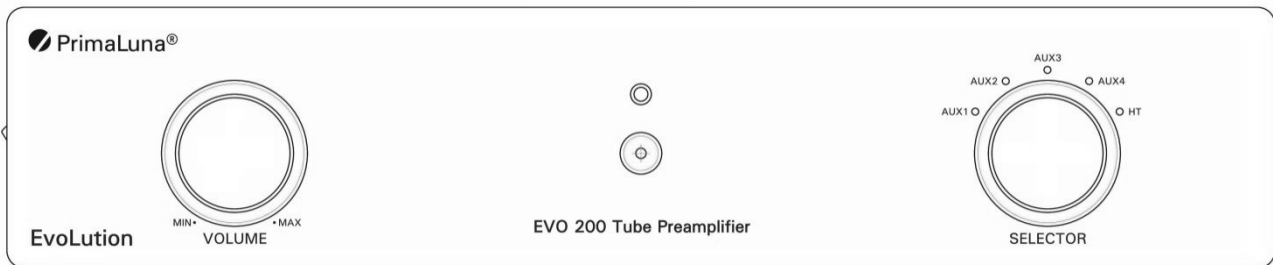
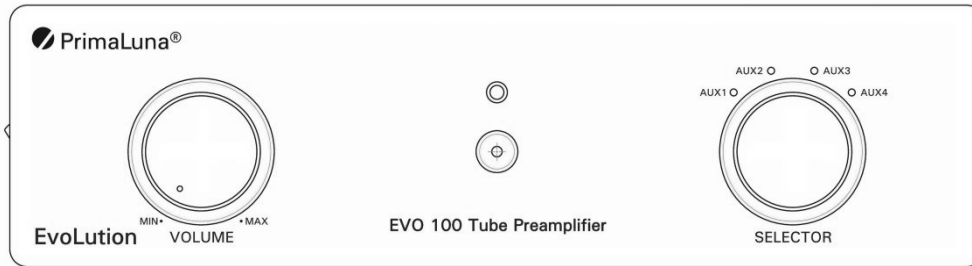
Initial Setup

- Don't wear a watch or rings and carefully remove the EVO Tube Poweramplifier from its packaging. Once the plastic bag has been removed, use the white gloves to prevent fingerprint smudges.
- Remove the tube cage by carefully pulling it up and away from the amplifier.
- Tubes are pre-installed.
- Check that each tube is firmly and straightly seated in its socket. Use gloves provided.
- Replace cage back in its place if desired.
- Check to see the power switch is off (down).
- Connect each source to the corresponding inputs.
- Connect the output of your preamplifier with input of your power amp.
- Plug the power cord into the preamplifier, then into the wall socket.
- Switch on the sources and after that the preamplifier and wait for 1 minute to stabilize the circuit.
- The tubes will be warmed up and ready to use in about 60 seconds. The power LED will go from red to green, indicating it is now safe to turn on your power amp.



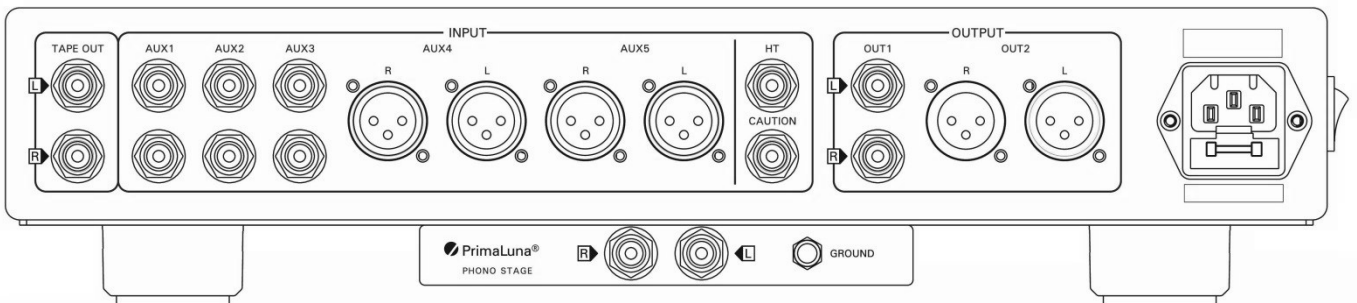
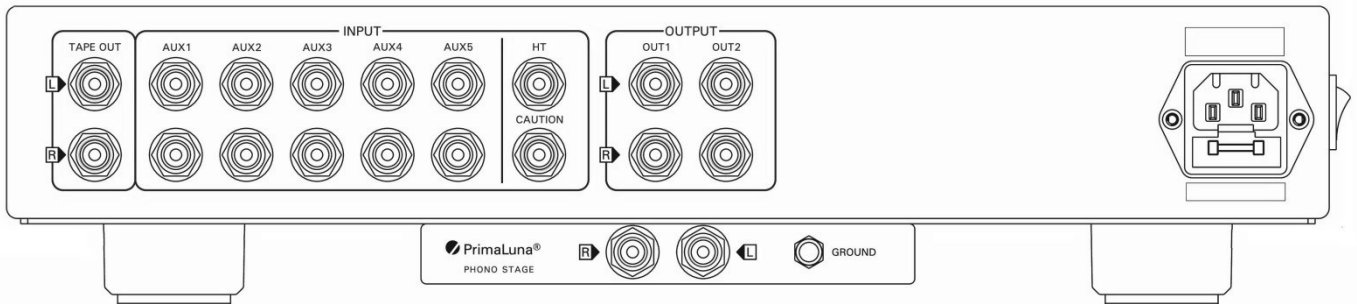
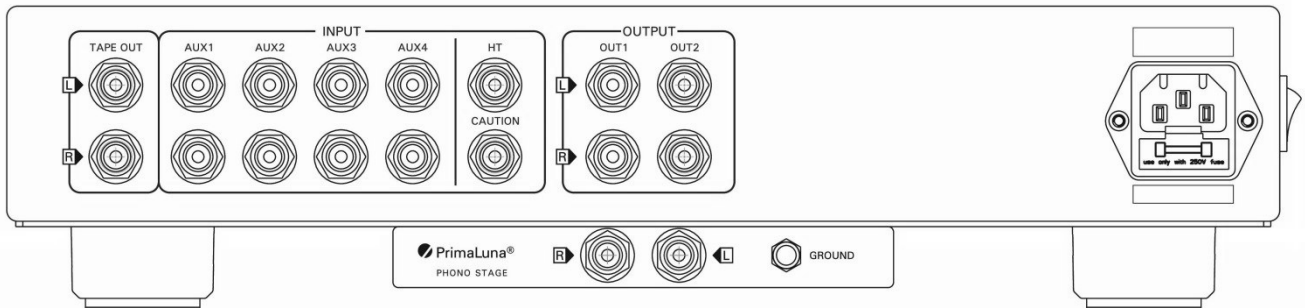
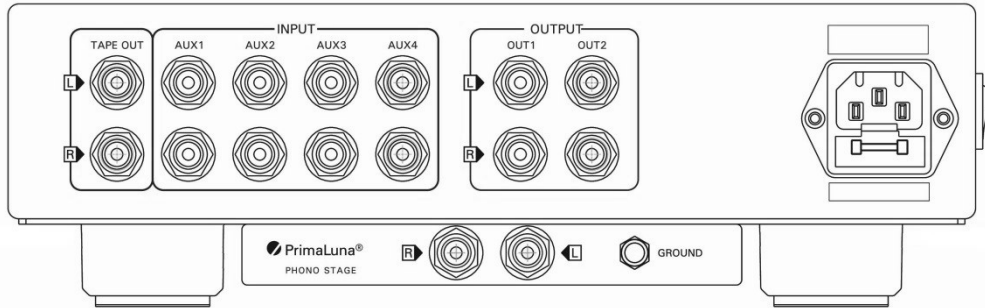
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Front Panel Outputs, Controls & Remote Function



PrimaLuna front panels are made from machined aluminium, finished to match the black/blue metallic chassis. The volume is controlled with the knob on the left, source selection is on the right. Both volume and source can also be selected by remote control. Your sources are labeled AUX 1, AUX 2, etc (no functional differences between these) and HT (HT input not available on EVO 100). The heavy metal remote control that comes with your PrimaLuna EVO Tube Preampfier can be used for selecting sources and adjusting volume. It also can be used to control functions on all PrimaLuna CD players. The power switch is located on the left side of the amp, just behind the front plate

Back Panel Inputs & Outputs

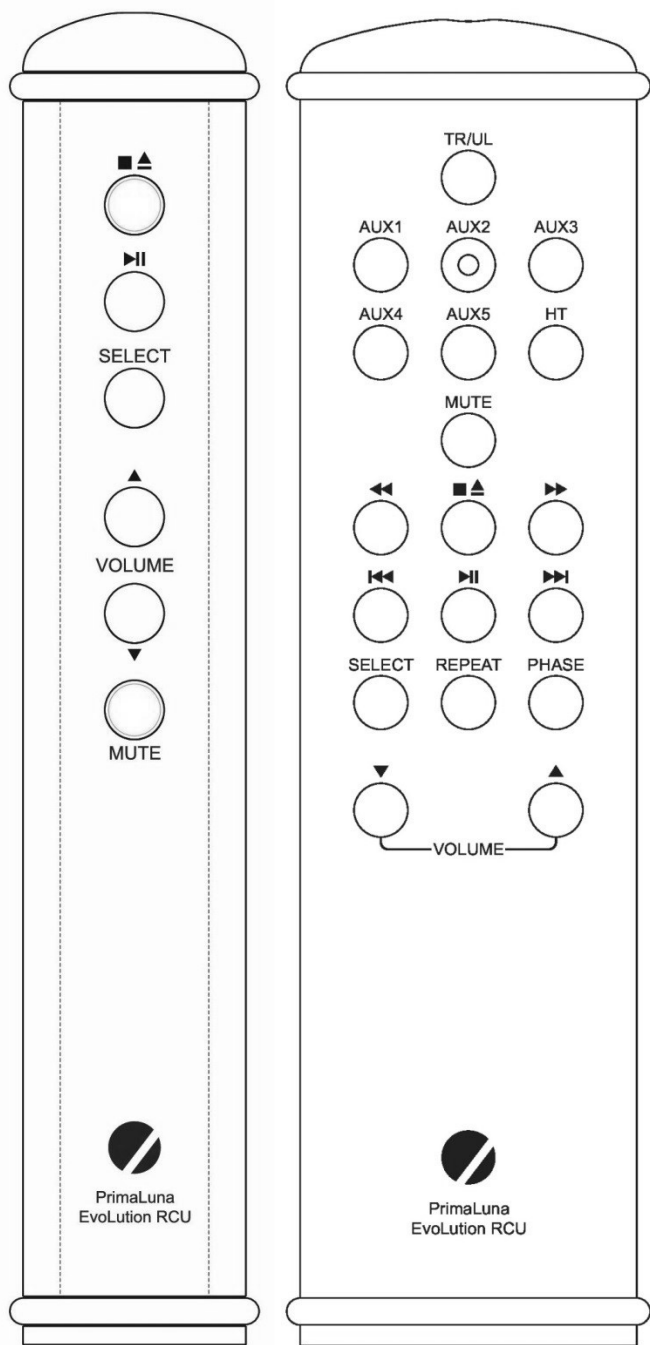


At the rear panel, you will find your inputs including the HT pass-through, Tape Out, and Preamp Outputs.



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Remote Control



Attention! Due to increasingly stringent safety measures, your remote control may arrive without batteries installed.

The function of the EVO Tube Preamplifier Remote Control is self-explanatory: It controls source selection, volume & mute functions for PrimaLuna preamps and integrated amplifiers. The system remote will also control the basic functions of PrimaLuna CD players. The larger remote included with the EVO 300 & 400 models also controls the triode/ultra-linear switching function of the EVO 300 & 400 series Poweramplifiers

The EVO Remote Controls have two high-quality rubber rings on each end to protect it from being damaged or damaging your furniture. These rings can be easily removed in case batteries have to be replaced.

In the event your remote control does not function, please first check the battery/batteries. To access the battery compartment, remove the rubber rings and unscrew the back plate. The slim remote requires a 2mm Hex key (allen wrench) to open, while the large remote requires a philips head screwdriver.

WARNING: Do NOT use rechargeable batteries!

If the remote still does not function after checking the batteries, contact your dealer for further assistance.



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Home Theater Pass-Through

Your PrimaLuna Tube Preamplifier or Integrated Amplifier might be equipped with a home theater pass-through that allows you to enjoy your stereo source material and the 2 main channels of your separate home theater processor. The home theater pass-through completely removes the preamp section from the signal path.

Connecting Your Surround Sound Component

To avoid damaging your equipment, always make sure everything is turned off and unplugged from the wall before connecting your components. Connect your stereo sources and speakers as normal.

To integrate your PrimaLuna Tube Preamplifier or Integrated Amplifier into your home theater system, take the front left & right preamp outputs from your A/V processor or receiver and plug them into the "HT" input on the back of the PrimaLuna Tube Preamplifier or Integrated Amplifier.

When you want to watch a movie, simply turn the PrimaLuna Tube Preamplifier or Integrated Amplifier on, and switch the input to "HT."

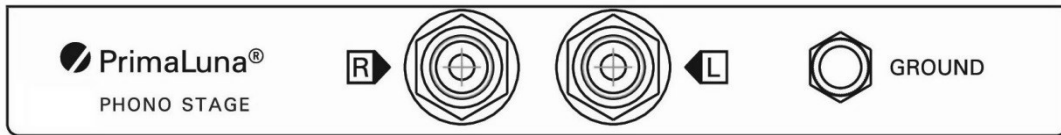
Attention: double-check if the volume of your home theatre processor is at minimum! Now control the volume via your home theater processor as normal.

We recommend you go into the setup menu of your processor to match the levels of the front Left & Right speakers to match the volume of your center channel. Consult your processor's manual for more information.



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PhonoLogue Chassis & Optional Phonostage

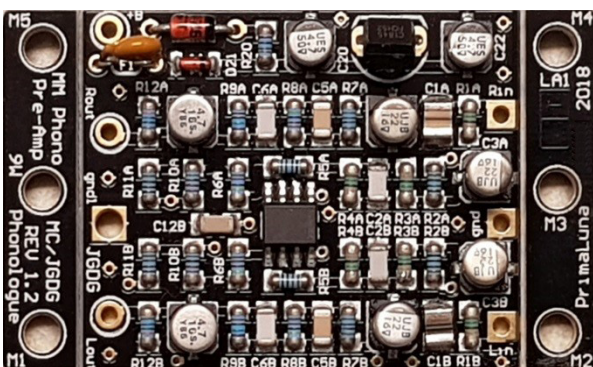


Every EVO Integrated Amplifier and Preamplifier comes standard with an extra chassis mounted on the bottom plate. This extra chassis is meant for installation of our MM PhonoLogue board. It provides extra space, (which is very limited in most PrimaLuna EVO models) and it provides an extra shielded environment for less hum and noise.

PhonoLogue MM Board (optional)

Our PhonoLogue phono stage can be installed at any time by your dealer or any qualified person. Ask for the PhonoLogue installation bulletin.

The PhonoLogue MM phono stage with RIAA equalization takes the place of the AUX2 input. It provides superior sound quality on a tiny footprint. We use Surface Mount Technology implementation for shortest signal paths as well as minimum parasitic capacitances and inductances. Excellent parts throughout, selected on sound quality as first priority: miniature film capacitors, minimef resistors, superior opamp for highest accuracy, lowest noise, highest speed and most robust drive capabilities into the RIAA correction stage, resulting in a very detailed, open and lifelike sound from any LP record. Low impedance electrolytics, super low-noise power supply. Dimensions: About the size of a large postage stamp!



Specifications:

Frequency Response:	10Hz - 50kHz
Input Impedance:	50 kOhm
Gain:	42dB (127x)
RIAA accuracy:	<0,5B 20Hz - 20kHz
Overload Margin:	>20dB rel 5mV
Harmonic Distortion & noise:	-83dB
Size:	3.2 x 3.8 cm (1.26" x 1.5")

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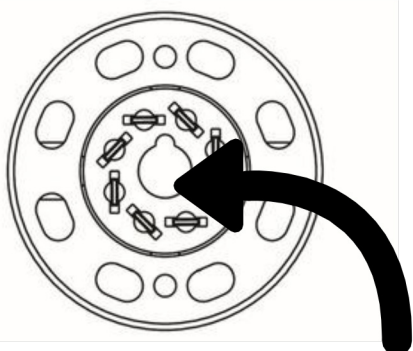
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Tube Basics

Signal tubes like the 12AX7 and 12AU7 tubes will have a lifespan between 5,000 and 10,000 hours. The life span of power tubes is more difficult to predict; it greatly depends on how “gently” or “roughly” you use your amplifier. In general, under normal conditions, you can figure between 2,000 and 3,000 hours.

Here are some guidelines on using tubes:

- Do not use treatments on tube pins or in sockets.
- If you decide to experiment with other tube types, it's best not to swap tubes in and out repeatedly. To do so requires you to turn your preamplifier off and on and you never want to cycle preamps on and off rapidly. They should be left off for at least five minutes. Further, every time you insert a tube, you stand a chance of loosening the tube sockets. It's okay to have fun, and we support that, but don't go crazy and swap tubes in and out twenty times a day.
- Do not leave the preamplifier on 24 hours a day. Just a short warm-up is required for the PrimaLuna to get into its groove.
- Break-in yields improvements. Every tube, when new, needs to be left alone for a little while. So, when your amplifier is new, or when you re-tube it, allow a little time to settle in. Signal tubes can take anywhere from 24 to 72 hours to break in, sometimes more.
- Tubes can vary electrically. By plugging in the wrong type of tube you can damage the amplifier and void your warranty. Only use tubes that are expressly mentioned in this owner's manual.



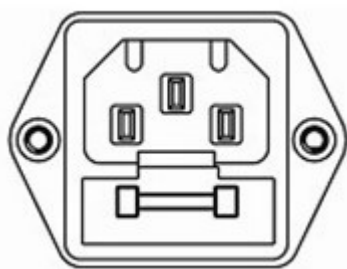
Some tubes, including the 5AR4 rectifier tubes in your EvoLotion Series Preamplifier, have a “center locating key” which must line up with the socket! If you misalign them and use brute force to push the tube in place, you will damage important and expensive parts of your preamplifier! This damage will void your warranty so use caution when installing power tubes!

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Fuse Protection

Warning! Fuses are safety valves. They should always be replaced with the exact same value and type. Never attempt to check or replace a fuse while the amp is plugged in. Turn it off and unplug the AC cord before continuing. Wait 10 minutes to let tubes cool down and the circuit to fully discharge.



Mains Fuse: The mains fuse is located on the rear of the amplifier, just below the power cord socket (see picture on the left). The fuse rating is 1 x Littelfuse 213 Series 1A Slow Blow 5 x 20mm fuse for 100-125VAC and Littelfuse 213 Series 0.5A (500mA) Slow Blow 5 x 20mm fuse for 200-250VAC. Always replace with the same type and value fuse! The fuse holder can be opened using a small slotted flat blade screwdriver.

The IEC connector is mounted with 2 different color screws. One silver, one black. The silver screw indicates the Live AC in the IEC connector. It helps with the “correct” connection to AC. Nevertheless always check the AC cable by measuring as not every AC cable is constructed the same way.

Troubleshooting Tips

No output. The power switch is on, but the power LED is off and tubes do not light up.

- AC cable has a poor connection in the IEC connector. Please check.
- Mains fuse is broken. Please check.
- PTP™ (Power Transformer Protection) protection may have switched off the power transformer. If so, the amplifier will switch on again after the internal temperature of the power transformer returns to normal. Overheating might be caused by higher environment temperature than normal or heavy use.

Noise or hum coming from one channel (eventually when you change your volume setting)

- Noisy tube. At first swap the two inner small tubes left to right. If noise follows the tube swap then you have found the problem tube. If noise does not follow, swap the next set of two small tubes left to right, eventually the next set in case your amplifier has 6 small tubes.
- Possible bad rectifier tube. Swap the rectifier tubes from right to left. If hum follows the swap, you have found the problem tube.

Noise/distortion coming from both channels

- Tubes may be in need of replacement. Consult with your dealer.

Hum coming from both channels that remains constant at all volume levels

- Possible ground loop. Disconnect all components from your preamp except your amp/speakers. If the hum goes away, it confirms the ground loop. Discuss possible solutions with your dealer.



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Warranty Information

Two-year limited warranty for parts & labor

Six-month warranty on stock vacuum tubes

Terms & Conditions

1. Limited to the original purchaser. This warranty is for the sole benefit of the original purchaser of the covered product, and may not be transferred to a subsequent owner.

2. Conditions & Limitations. This warranty is subject to conditions and limitations, as follows. This warranty is void and inapplicable if the product has not been used in accordance with the instructions found elsewhere in this manual, or if it has been misused, abused, damaged by accident or neglect, or in transport once in possession of purchaser. The warranty is also void if the product has been tampered with, modified, or has been repaired by anyone other than Durob Audio BV or its specifically authorized representatives.

3. Remedy. If this product contains material, manufacturing, or workmanship defects, it must be packed in original packaging and returned to Durob Audio BV or its authorized representative via insured freight, at the owner's expense. Returned products must be accompanied by a written description of the defect, and a return authorization number (available from Durob Audio BV or the authorized representative via e-mail). Upon receipt of the defective product, Durob Audio BV or the authorized representative agrees to repair the product without charge for parts (except vacuum tubes if the unit is more than 6 months old), or labor. The product will then be returned via prepaid, insured freight, with the carrier at the sole determination of Durob Audio BV or the authorized representative. This constitutes the purchaser's sole remedy.

4. Design change. Durob Audio BV and its partners reserve the right to modify their products or change specifications at any time without obligation or liability to previous purchasers.

5. Miscellaneous. Any implied warranties relating to the above product shall be limited to the duration of this warranty. This warranty does not extend to any incidental or consequential costs or damages to purchaser or third parties. Our liability will be no more than the amount you paid for the product that is the subject of a claim. This is the maximum amount for which we are responsible. This warranty gives you specific legal rights. You may also have other rights which vary from country to country and state to state.



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NOTES

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Please contact us to register your PrimaLuna EVO tube product. We will keep you updated on any upgrades or any other information related to your product. If you wish to comment on your PrimaLuna EVO tube product, please do. If you want to send us a review of your experience with the amplifier, you are more than welcome to. If you want to chat with other PrimaLuna owners, join the completely independent FaceBook PrimaLuna Amplifiers Owners Group. If you have any technical questions, please don't hesitate to contact us. We thank you upfront for your time and attention.

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