

# PrimaLuna® DiaLogue Premium

Herman van den Dungen: **PrimaLuna** ▶ *in Italian language is "First Moon". My grandfather was the first "Herman". My grandmother, an aristocratic lady in a small Dutch village, had a special name for her husband: "Maantje", which means Little Moon (which is now also the name of our small dog), van den Dungen. The people in the village adopted that name, and having a strong accent, they soon called him "Maontje" van den Dungen. My father's first name was Cor, but in the village it was of course "Cor from Maontje van den Dungen". I was of course "Herman from Cor from Maontje van den Dungen" ..... etc. That's why I thought of First Moon as a brandname and that's why the logo is how it is ..... ◀*

Loris Arrigucci: **PrimaLuna** ▶ *believe it or not ... I discovered a small town located 50Km north of Milano called Primaluna!!! Please get yourself a map from Italy. You'll find Primaluna town near the upper-right corner. It is located 50Km north of Milano near the Lake of Como. This should eliminate every doubt regarding "italian" origin of Primaluna name. I've read the "history" section of the Primaluna village web site and found the following (literally translated):*

*One probable interpretation of the name of the village comes from latin "Primum Lumen", which means "First Light" of Christianity, since the very first evidence of Christianity in this region dates 495 Annus Domini. "First Light" translates into "Prima Luce" in Italian and this seems very interesting to me: PrimaLuce (FirstLight) is the first light that we, hi-fi lovers with small budgets, can see in this world of darkness populated by way too expensive esoteric gears ..... ◀*



Please contact us for registering your PrimaLuna DiaLogue Premium Preamplifier. We will keep you updated of upgrades or any other information related to your preamplifier. If you wish to comment on your PrimaLuna DiaLogue Premium Preamplifier, please do. If you want to send us a review of your experience with the preamplifier, you are more than welcome to. 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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# PrimaLuna® DiaLogue Premium

## PrimaLuna®

## DiaLogue Premium

## Preamplifier



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## Warranty Information

Two-year limited warranty

Six-month warranty on stock vacuum tubes

## Terms & Conditions

- 1. Limited to 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 or has been repaired or modified 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 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 returned via prepaid, insured freight, with 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 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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The information in this manual is subject to change without further notice.

## User Notes

THANK YOU!

We would like to thank you for choosing our PrimaLuna DiaLogue Premium vacuum tube Preamplifier as an important part of your music system. The DiaLogue Premium Preamplifier is the second member of the new DiaLogue Premium series 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 audio instruments that can easily compete with today's most expensive brands and 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 DiaLogue Premium Preamplifier features:

- Hand-made construction with the finest point-to-point wiring, using workmanship that is equal to or better than any product you can buy at any price.
- A heavy-gauge, fully-vented steel chassis with a five coat finish. Each coat is hand-rubbed and polished.
- SoftStart™ circuit for extended life of sensitive components, plus a reduced chance of tube failure from thermal shock.
- Premium parts: separate toroidal transformers for left and right channel powersupply; ceramic tube sockets; motorized ALPS volume control; Nichicon, Solen, Swellong and DuRoch capacitors; gold-plated panel mounted input and output jacks.
- SRC (FR) tinfoil capacitors and Takman (Japan) audiophile grade resistors in critical signal paths.
- AC Offset Killer circuit creates a dead silent power transformer, allowing music to emerge from a pitch-black background.
- New front end design using six 12AU7 tubes in total. The result is a wider, more linear bandwidth of the driver stage. The sound of the preamp is much more dynamic, especially when music becomes complex. Bass control and the space between instruments improves greatly.
- All new PrimaLuna 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 preamplifier will repower and function properly.
- LIVE side of AC input connector indicated by aluminium color screw.
- 5 line level inputs, one stereo Home Theater pass thru.
- 1 pair rca tape out; 2 pairs rca pre out.
- Heavy-gauge, brushed aluminum remote control included.

We hope that the PrimaLuna DiaLogue Premium Preamplifier amplifier will make you want to follow our next steps in expanding this new range of products. If you have any questions or comments, don't hesitate to contact us. You can also share your thoughts with others at [www.audioreview.com](http://www.audioreview.com) or other review sites. On the [www.primaluna.nl](http://www.primaluna.nl) website you will find links to these and other websites. 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

## Specifications

Gain .....	9.7 dB (4x)
Frequency Response .....	9Hz – 95 kHz +/- 1dB
THD +N .....	<0,5% at 2V output level
S/N Ratio .....	93dB
Input Impedance .....	220 kOhm
Input Sensitivity .....	650mV rated power at maximum power setting
Output Impedance .....	256 Ohm
Power Consumption .....	61 Watts
Net Weight .....	52.9 lbs / 24 kg
Shipping Weight .....	61.7 lbs / 28 kg
Dimensions .....	15.9" x 15.2" x 8.3" / 405 mm x 385 mm x 210 mm (L x W x H)
Shipping Dimensions .....	22.7" x 18.4" x 12" / 577 mm x 468 mm x 305 mm (L x W x H)
Inputs .....	5 pairs Stereo RCA, 1 pair Home Theater Input
Outputs .....	2 pairs Stereo RCA (main); 1 pair RCA (tape)
Tube Complement .....	2 x 5AR4 6 x 12AU7
Remote control .....	Heavy Metal Remote Control

*All PrimaLuna products come with PrimaLuna SilverLabel 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. Additionally, for certain models we have our GoldLabel tubes, which are available from us if you wish to upgrade.*

As of July 1, 2006 all PrimaLuna products are manufactured with RoHS compliant parts.

## User Notes

## Troubleshooting

Some tips:

- No output. Power is on, but power LED is off and tubes do not light up. Mains fuse is out. Replace fuse as per instructions on page 11.
- No output. Power LED is on and tubes do light up normally. Check if preamp comes out of MUTE after 60 seconds. Check input selector setting, input and output wiring; if all seems to be OK check power amplifier.
- Noise coming from one channel. Noisy tube. First swap the 12AU7 tubes left to right. If noise follows tube swap, than you have found the problem tubeset. Now swap 1 by one from left to right. If noise follows, you have found the problematic tube.
- Hum coming from one channel. Check rectifier tube 5AR4: swap L to R, if hum follows tube then replace faulty tube.
- Noise/distortion coming from both channels. Tubes may be in need of replacement. Read page 10 for tube basics and replacement options. If you try these possible solutions and problems persist, contact us or your local distributor for further investigation.

## Tube Selection

While matched tubes are not a requirement, it is still recommended if you want to get the very best results. PrimaLuna SilverLabel tubes 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. Additionally, for certain models we have our GoldLabel tubes, which are available from us and several other parties if you wish to upgrade. In the USA, Upscale Audio's inventory of New Old Stock tubes (which is another thing you might want to experiment with) is the largest you can find. Elsewhere, independent suppliers can assist you to make your best choice.

## Warning

To prevent serious injury, electrical shock or fire:

- Do not operate with bottom plate removed.
- Keep away from rain and moisture.
- Always disconnect all cable connections to and from preamplifier 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

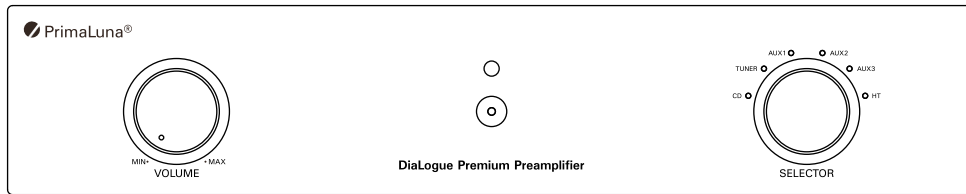
DiaLogue Premium Preamplifier .....	1
Power Cord.....	1
This Owner's Manual .....	1
White Gloves .....	1 pair
Tube Complement.....	2 x 5AR4 6 x 12AU7
Mains Fuse .....	1 x Littelfuse® 213 Series 1A Slo-Blo® 5 x 20 mm fuse for 100-120VAC and Littelfuse® 213 Series 0.5A Slo-Blo® 5 x 20 mm fuse for 200-240VAC
Heavy Metal System Remote Control.....	1

## Initial Setup

- Carefully remove the DiaLogue Premium Preamplifier from its packaging. Use the white gloves to prevent fingerprint smudges.
- Remove the tube cage by carefully pulling it up and away from the preamplifier.
- Remove the protective foam surrounding the tubes.
- Tubes are already installed. Check that each tube is firmly seated in its socket. Use gloves.
- Replace cage back in its place if desired.
- Check to see the power switch is off (down).
- Connect each source to the corresponding plugs.
- Connect output of preamp with input of poweramp.
- Connect your speaker wires, positive to positive, negative to negative, to your power amp.
- Plug the powercords into the preamplifier and amplifier, then into the wall sockets.
- Switch the preamplifier on; the main outputs will be muted for 60 seconds while the tubes warm up.
- Switch the poweramplifier on when the mute of the preamp is released.
- The tubes will be warmed up and ready to use in about 60 seconds. Other parts (capacitors) will need more time to sound at their best, specially the first time you use the preamplifier.

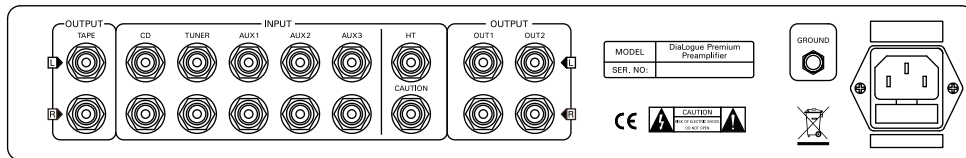
## Inputs and Controls

### Front Panel



The front panel of the PrimaLuna models is made from machined aluminium, finished to match the 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 labelled CD, Tuner, Aux 1, Aux 2, Aux 3 (no functional differences between these) and HT (Pass Thru; volume fixed!!!). The heavy metal remote control that comes with your PrimaLuna DiaLogue Premium Preamplifier can be used for selecting sources and adjusting volume. Also functions for PrimaLuna cd-players are available. The power switch is located on the left side of the amp, just behind the front plate.

### Rear Panel



Looking at the rear panel, you will note you have 5 pairs of stereo inputs, 1 pair of HT Pass Thru, 1 pair of tape outputs, 2 sets of preamp outputs, 1 x ground connection (for optional phono).

## PrimaLuna Special Protection Circuits

### Soft-start™

Furthermore, the PrimaLuna DiaLogue Premium Preamplifier is equipped with Soft-start™, which powers the preamplifier up slowly to prolong the life of internal components, including the tubes. This makes the PrimaLuna a joy to own and operate.

### Fuse Protection

**A note on fuses:** If "someone who knows" tells you to wrap fuses with aluminium foil to avoid wasting money on new ones, it's best not to take his advice. Fuses are safety valves. They should always be replaced with the exact same value and type.

**Warning:** Never attempt to check or replace a fuse while the preamplifier is plugged in. Turn off the power amp first and after that the preamplifier. Unplug all speakers, components and AC cords 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 preamplifier, just below the power cord socket (see picture on this page). The fuse rating is 1 x Littelfuse® 213 Series 1A Slo-Blo® 5 x 20 mm fuse for 100-120VAC and Littelfuse® 213 Series 0.5A Slo-Blo® 5 x 20 mm fuse for 200-240VAC. Replace with the same type and value fuse! The fuse holder can be snapped out using a small slotted flat blade screwdriver.

## Tube Basics

The 12AU7 tubes will have a life of about 5,000 to 10,000 hours. However, 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 other guidelines about tubes:

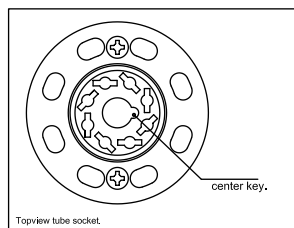
- Do not use treatments on tube pins or in sockets.
- If you decide to experiment with other tube types, it's best not to swap tubes in and out repeatedly, as you never want to cycle (pre)amplifiers on and off rapidly. They should be left off for at least five minutes. Further, every time you insert 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 in a day.
- The DiaLogue Premium Preamplifier has a warm-up time of just a few minutes. While it is not wise to leave tube power amplifiers on 24 hours a day, you may leave this preamplifier on though it will result in more frequent tube replacement. Through experimentation come to a conclusion that fits comfortably with your lifestyle.
- Break-in yields improvements. Every tube, when new, needs to be left alone for a little while. So, when your preamplifier is new, or when you re-tube it, it may take a little time to settle in. There is however no fixed "time rule" for break-in.
- Please note that tubes can vary electrically, and by plugging in the wrong type of tube you can damage the preamplifier, and void your warranty.

## Common Replacements:

- **12AU7:** ECC82, ECC802S, E82CC, 5814, 6189, CV4003
- **5AR4:** GZ34, CV1377 are equivalent. 5V4G, 5T4, and 5Y3 will also function fine with small sonic changes that you may want to experiment with. Do not use other types as damage may occur.

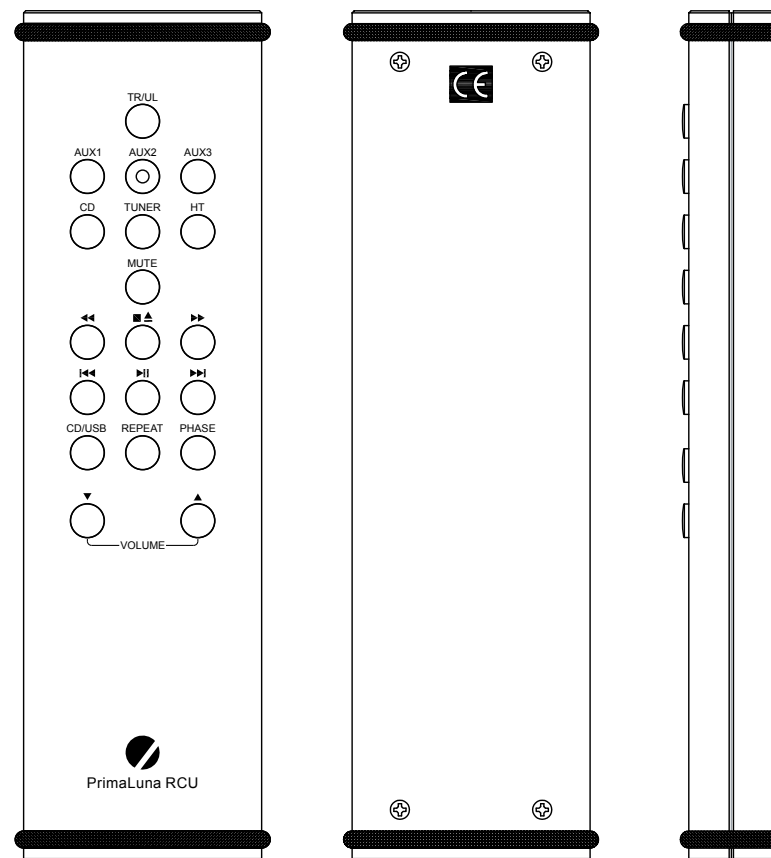


Topview picture of DiaLogue Premium Preamplifier



*Some tubes and tube sockets have a "center key" which must correspond! If you use "brute" force and misalign, you will damage important and expensive parts of your preamplifier!!*

## Remote Control



The functions of the PrimaLuna DiaLogue Remote Control are self-explanatory. The remote controls source selection, Triode/Ultralinear switching, volume & mute functions. The DiaLogue remote will also control the basic functions of all different models PrimaLuna CD Players.

The PrimaLuna DiaLogue Remote Control has two high quality silicon rubber rings on each end to protect against damage of the remote control itself as well as your furniture. These rings can be easily removed in case batteries have to be replaced or if you plain just don't like them.

In the event your remote control does not function, please check batteries and if necessary, replace with new (1.5V AAA-size). To access the battery-compartment, remove the rubber rings and unscrew the back plate. If the remote still does not function, contact your dealer for further assistance.

## Stereo Home Theater Pass Thru

The PrimaLuna DiaLogue Premium Preamplifier is equipped with a home theater pass thru that allows you to enjoy your stereo source material and the 2 main channels of your separate home theater processor.

This is a true pass-thru circuit. Most preamplifiers and integrated amps that advertise having home theater pass thru circuits are only "unity gain" circuits. This means the volume is set at a pre-determined level, but the preamp section is still active and can introduce unwanted noise and coloration to the sound. The hometheater pass thru of the DiaLogue Premium Preamplifier completely removes the preamp section from the signal path. This is a "direct-line" circuit that results in a lower noise floor, and less coloration.

## Connecting Your Surround Sound Component To The DiaLogue Premium Preamplifier

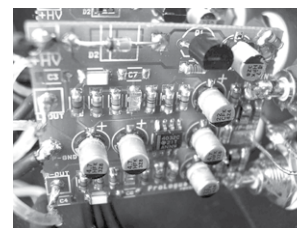
To avoid damaging your equipment, always make sure everything is turned off and unplugged from the wall before connecting your components.

Connect your stereo sources to the DiaLogue Premium Preamplifier as normal. And your speakers to your stereo poweramplifier. To integrate the DiaLogue Premium Preamplifier 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 DiaLogue Premium Preamplifier. When you want to watch a movie, simply turn the DiaLogue preamplifier and your stereo power amplifier on, and switch the input to "HT." 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.

## PhonoLogue Phono Stage (Optional)

Your DiaLogue Premium Preamplifier comes without a phonestage, but we have a high quality optional internal phono stage available. The PhonoLogue phono stage can be installed at any time by your dealer or any qualified person.

The PhonoLogue MM phono stage with RIAA equalization, requires no extra plugs or connectors. It fits (by soldering) on the existing RCA's of one of the inputs. 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 powersupply. Dimensions: small as a big stamp!



### Specifications:

Input Impedance:	50 kOhm
Gain:	42dB (127x)
Frequency Response:	10Hz - 50kHz
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")