



PrimaLuna®



# EVO 400

## TUBE POWERAMPLIFIER

[www.primaluna.nl](http://www.primaluna.nl)

PrimaLuna products please the senses long before you plug them in. All models feature handmade construction, and the heavy-gauge, fully vented steel chassis has a five-coat finish, each coat hand-rubbed and polished. Inside, you will find point-to-point wiring with only the best Swiss silver wires--a level of detail that is usually only available (and not always!) in the most expensive tube equipment.

There are no cheap plastic remotes here. PrimaLuna uses heavy metal remotes that are substantial, yet still elegant and ergonomic, for models that feature UL/TR switching.

Talking about heavy metal, try lifting a PrimaLuna to see just how much we put into them. All PrimaLuna models feature custom-designed toroidal and EI-frame transformers, made to the exacting spec of one of the most prestigious transformer designers in the US. Each transformer is fully encapsulated for the lowest hum and best isolation and offers huge output bandwidth and speaker control. There is no cheap or lightweight way to do this, and this is why PrimaLuna is famous for combining the midrange magic of tubes with sparkling highs and deep, solid bass.

Other high-quality PrimaLuna parts are Nichicon and DuRoch polypropylene capacitors, and superfast Philips rectifier diodes. PrimaLuna uses only ceramic tube sockets, gold-plated heavy-duty WBT-style speaker terminals (all speaker connectors are solid shaft for better conductance, better sound, and higher reliability), and gold-plated panel-mounted RCA and XLR input and output jacks that guarantee the best possible mechanical and electrical contacts.

PrimaLuna is justly famous for its Adaptive Auto Bias™ circuit, a PrimaLuna exclusive. This circuit is out of the signal path, and monitors and smoothly adjusts tube bias continuously and instantly, reducing maintenance, and increasing performance due to a dramatic reduction in distortion.

Active features also include the PrimaLuna SoftStart smart circuit design for extended life of sensitive components, and reduced chance of tube failure from thermal shock.

EVO comes with improved output-stage protection circuitry with a relay to protect output transformers, resistors, and the high-voltage power supply in case of catastrophic tube failure.

Want to power-tube roll? EVO integrated amplifiers come with a high/low bias switch, allowing users to easily pick the optimum bias setting for EL34 or KT88 tubes. This and the autobias circuit mean that you will never have to fuss with jewelers' screwdrivers and multimeters the way so many other tube-amp manufacturers require of their customers. Just switch tubes, switch bias, and PrimaLuna does all the hard work for you!

All PrimaLuna power transformers include the PTP™ (Power Transformer Protection) circuit. When the power transformer overheats (whether due to environment, overload, or a problem within the unit), an internal thermal switch opens the primary circuit, allowing the transformer to cool down before harm occurs. After it has cooled off, contact is restored, and the amp re-powers and functions as normal.

All PrimaLuna EVO poweramplifiers come with a mono/stereo switch giving it a stereo and mono function.

As you use your PrimaLuna, you will find so many thoughtful little details that may not be earthshaking, but just make using and owning this unit a pleasure. We'll let you discover these for yourself, but here's one: an aluminum screw on the AC input that lets you easily identify the live side of the connector. Nothing spectacular, just easy.

# SPECIFICATIONS

Model: EVO 400-4 for EL34 / KT88 / KT120 / KT150

Power Ultra-Linear: 70 / 72 / 85 / 89 Watts Stereo per channel; 140 / 145 / 175 / 188 Watts Mono

Power Triode: 38 / 43 / 45 / 51 Watts Stereo per channel; 82 / 88 / 94 / 109 Watts Mono

Frequency Response: 9 Hz – 60 kHz +/- 1 dB 8 Hz – 70 kHz +/- 3 dB

THD with AAB: < 0.1% @ 1W; less than 2% at rated power

S/N Ratio: 95 dB– 105 dB A Weighted

Input Impedance: 100 kOhm

Input Sensitivity: 1100 mV for rated power at maximum volume

Maximum Gain UL: 27 dB / 26.5 dB / 26.5 dB / 26 dB; 30 dB / 30 dB / 30 dB / 30 dB

Maximum Gain TR: 25.5 dB / 24 dB / 24 dB / 24 dB; 28 dB / 27 dB / 27 dB / 27 dB

Power Consumption: 470 Watts / 480 Watts / 540 Watts / 550 Watts

Net weight: 68.2 lbs / 31 kg

Shipping Weight: 79.2 lbs / 36 kg

Dimensions: 15.9" x 15.2" x 8.1" / 405 x 385 x 205 mm (L x W x H)

Shipping dimensions: 22.7" x 18.4" x 12.4" / 577 x 468 x 315 mm (L x W x H)

Inputs: 1 pair Stereo RCA & XLR, 1 piece Mono RCA & XLR

Outputs: 4, 8 & 16 / 2, 4 & 8 Ohm Speaker Taps

Tube Complement: 8 x EL34, 6 x 12AU7

Damping Coefficient: 7 KD (1 kHz)

