

### The Classé creed

From its foundation in 1980, Classé has pursued a single, simple vision: to develop audio equipment that offers unrivalled expression of music, irrespective of artist, genre or taste. We believe audio equipment should open doors to new listening experiences, not close them.

That belief is at the heart of every amplifier, source component and processor that leaves the Classé factory. The components we select, the systems we design and the processes we employ to refine their performance are driven, above all, by a deep love of music, and of hearing music as it was originally recorded.

Our equipment will reveal new facets to music you thought you knew intimately and liberate parts of your music collection you thought you'd forgotten.



### Model Omega pre-amplifier

Frequency response  $\pm 0.1$ db  
Distortion THD+noise 0.004%

**Outputs**  
Single-ended 2/9/50  
(number/max volts/impedance)  
Balanced 2/9/50  
(number/max volts/impedance)

**Inputs**  
Single-ended 3/33K  
(number/impedance)  
Balanced 3/33K  
(number/impedance)

**Tape**  
Input/output 1

**Power supply**  
Transformers 2x148VA/1x126VA  
(audio/mechanical)  
Number of capacitors 49  
Total capacitance 176,880 $\mu$ F

**Weight & measurements**  
Net weight 9.6kg  
21.5lbs  
Height 105mm  
4.1"  
Width 483mm  
19"  
Depth 387mm  
15.25"

**Power supply**  
Net weight 13.4kg  
29.5lbs  
Height 105mm  
4.1"  
Width 483mm  
19"  
Depth 387mm  
15.25"

Classé Audio Inc reserve the right to amend technical specifications without further notice.

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Design:  
Thomas Manss & Company

PXBR ????????



*Classé*

Omega pre-amplifier



**Omega pre-amplifier.** Classé's series of reference products represent the alpha and omega of our experience and ability. Totally un-compromised in design, manufactured to the most stringent standards and embraced by audiophiles worldwide, they are the last word in music reproduction. The two-box Omega pre-amplifier is the ultimate in signal control and distribution.

**Model description**

The Classé Omega pre-amplifier is a state-of-the-art dual mono pre-amplifier featuring single-ended as well as balanced options for inputs and outputs. Using isolation as a major design feature, both left and right channels, including inputs and outputs, are kept completely separate. The bulk of the complex power supply is isolated within a separate enclosure.

For incorporation into the very finest audio systems, the Omega pre-amplifier embodies the definitive reproduction of all forms of speech and music from any high quality source.

**Balanced circuitry and input**

Balanced inputs and outputs via XLR-type socket arrangements have been provided in addition to the RCA phono single-ended inputs and output. The Omega pre-amplifier features balanced circuitry from input to output, which rejects every trace of extraneous noise and allows full prominence to subtle, low-level detail in the music material.

**Circuit configuration**

The Classé Omega pre-amplifier features symmetrical circuitry where the circuits for the positive and the negative signals are an identical mirror image. The standard Classé circuit configuration combines J-Fets, Mosfets and high-power bi-polar transistors:

- Fast reacting low noise J-Fet devices are used for the input stages
- Mosfets with their greater current-carrying capacity are utilised in the driver stage for the output transistors
- Bi-polar transistors are used both for voltage amplification after the J-Fet devices and, in multiples, as heavy-duty high current-carrying output transistors

The principle of the circuit operation is that a fast transistor – J-Fet or Mosfet – is used to control the heavy voltage or current-amplifying bi-polar transistors. The devices are forced to switch on and off as fast as the controlling devices resulting in a pre-amplifier that provides power with delicacy and speed.

**The circuit board**

The circuit boards are constructed from four bonded layers of epoxy resin achieving an extremely strong, rigid and non-resonant foundation for the audio components. This construction keeps the signal path very short with the added benefit of containing the signal track within the sandwich of layers and preventing the ground plane from picking up any noise.



**Power supply**

The Classé Omega pre-amplifier features a very sophisticated three-section power supply contained within a second cabinet of the same dimensions as the main pre-amplifier cabinet.

Two independent power supplies for the audio section are positioned in the left and the right sides of the power supply cabinet, and centrally located is a third power supply powering the mechanical section of the pre-amplifier featuring input switching and display.

A total of three toroidal transformers have been incorporated, two for the audio circuitry and one for the mechanical section. In addition the power supplies for each circuit section are either double – or triple-regulated. These measures ensure the audio circuitry is free from noise emanating from the mechanical actions of the pre-amplifier.

As with all Classé products the power supply contains multiple small capacitors charging and discharging far more rapidly than conventional large equivalents resulting in a pre-amplifier that provides a response to the music that is always open and fast – never slow and leaden.

**Optimum bias levels**

The Classé Omega pre-amplifier is set to run in Class A operation at all times, eliminating all traces of grain and harshness.

**Input and output sockets**

All RCA phono and the balanced XLR sockets are gold-plated and securely attached to the chassis safeguarding the integrity of the signal path.

**Safety standards**

As part of corporate policy all Classé products are fully-tested and safety-approved by independent bodies. All models have passed the most stringent tests and are certified for both EMC protection requirements as well as for North American and European Common Market low-voltage safety regulations.

**Additional features**

- Aluminium remote handset
- Adjustable display brightness (can be switched off)
- Mute
- Left to right balance control on the handset

Please ask your dealer for a copy of the main Classé Audio catalogue if you would like to learn more about our company, philosophy and technologies.

