

*Classé*

OWNERS MANUAL  
OMICRON MONO  
POWER AMPLIFIER

# Contents

<b>Contents .....</b>	<b>3</b>
<b>Safety Precautions .....</b>	<b>4</b>
<b>Introduction .....</b>	<b>5</b>
<i>Congratulations .....</i>	<i>5</i>
<i>How to use this manual .....</i>	<i>5</i>
<i>Classé Omicron Monaural Power Amplifier: Design Overview .....</i>	<i>6</i>
<b>Unpacking and Positioning .....</b>	<b>7</b>
<i>Contents .....</i>	<i>7</i>
<i>Positioning the Omicron Monaural Power Amplifier .....</i>	<i>8</i>
<b>Connections.....</b>	<b>9</b>
<i>AC power.....</i>	<i>10</i>
<i>Analog inputs .....</i>	<i>11</i>
<i>Infrared (IR) input and output.....</i>	<i>12</i>
<b>Operation.....</b>	<b>13</b>
<i>Turning on AC power .....</i>	<i>13</i>
<i>Protection mode .....</i>	<i>13</i>
<i>Protection mode continued .....</i>	<i>14</i>
<b>Specifications .....</b>	<b>15</b>
<b>CE Certification.....</b>	<b>16</b>
<b>Warranty and Service .....</b>	<b>17</b>

# Safety Precautions



*Warning: failure to comply with these safety instructions can cause serious injury or death, or cause your Classé Omicron Monaural Power Amplifier to be severely damaged or destroyed.*

Do not operate the Classé Omicron Monaural Power Amplifier with any portion of the chassis removed or open. Dangerous voltages may be encountered.

Connecting this unit to AC voltages other than that specified on the rear of the unit may cause extensive damage and increase risk of shock. Check to make sure your local AC voltage matches the voltage specified on the rear of your Classé Omicron Monaural Power Amplifier.

Do not operate this product near sources of heat such as radiators, fireplaces, or heat registers. Extreme heat may damage this unit.

To reduce the risk of electric shock or fire do not expose this unit to water or moisture.

Use only the correct size fuse:

100-110 Volts 12 Amp, 3AG Slo-Blo

220-240 Volts 10 Amp, 3AG Slo-Blo

Do not open this unit. There are no user serviceable parts inside. Please refer service to an authorized service technician.

Unplug this unit when unused for long periods or during lightning storms.

# Introduction

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## *Congratulations*

Congratulations on your new purchase. From all of us at Classé, we hope you enjoy many years of musical satisfaction from your new Classé Omicron Monaural Power Amplifier.

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## *How to use this manual*



The symbol at left indicates a section of the manual that is of particular importance for safety or to prevent damage to your Omicron Monaural Power Amplifier.

Please make note of all safety precautions described in the previous page of this manual.

It is highly recommended that you familiarize yourself with all aspects of the operation of your Omicron Monaural Power Amplifier. However, if you want to begin listening to your Omicron Monaural Power Amplifier immediately, skip to the section titled **Connections**.

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## *Classé Omicron Monaural Power Amplifier: Design Overview*

The Classé Omicron Monaural Power Amplifier is the result of repeated listening sessions. The sound is fine tuned by the exchanging and mixing of parts and the adjusting of many specific operating voltages. The result of these sessions is a sonic recipe that yields a natural harmonic realism typical of instruments in a live performance.

### **Unique Circuit Design**

The Classé Omicron Monaural Power Amplifier circuitry design is derived directly from our Omega Mono Power Amplifier. This unique design utilizes 48 output devices in a special arrangement designed to maintain internal rail voltage under the most adverse conditions. The 48 output devices are divided evenly, 24 being utilized to maintain rail voltage, and the other 24 utilized as output power devices. The result of this unique design is an amplifier which offers uncompromised performance even under the most adverse conditions.

# Unpacking and Positioning

Unpack your Omicron Monaural Power Amplifier carefully. If you notice any shipping damage, contact your dealer immediately. Saving the packaging material is advised in case the unit needs to be shipped for service.

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## *Contents*

Included in the case should be the following items:

1. Main unit
2. AC cord
3. This manual

If any of these items are missing, contact your dealer immediately.

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## *Positioning the Omicron Monaural Power Amplifier*

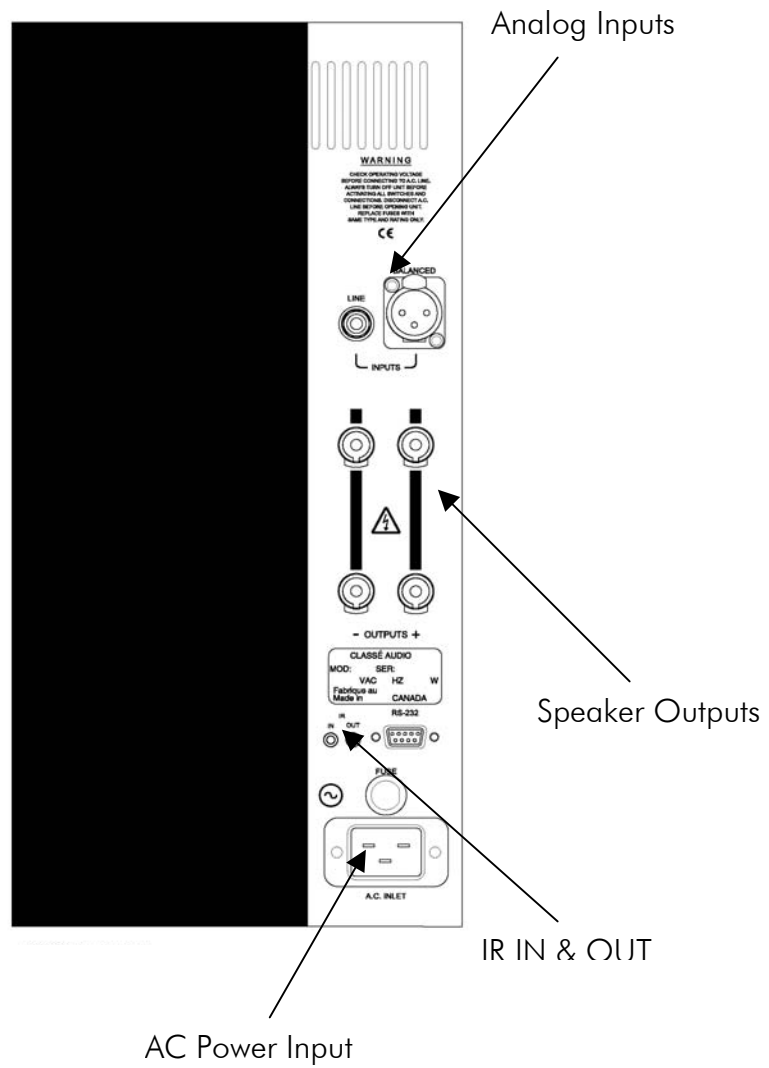
For best performance, place your Omicron Monaural Power Amplifier on a solid, non-resonant surface. Do not place the Omicron Monaural Power Amplifier directly on top of another component.

Place the Omicron Monaural Power Amplifier near its final set-up position, allowing 8 inches of clearance at the rear for tightening the speaker output connectors.

The power transformer in the Omicron Monaural Power Amplifier is located at the bottom of the chassis and just behind the front plate. Ideally a few feet should separate this area from any components which are susceptible to hum. These include preamplifiers, turntables and interconnect cables. Allow 6 inches above and on each side of the unit to provide adequate cooling.

# Connections

Pictured here is the rear of the Omicron Monaural Power Amplifier showing all input and output connections. Refer to the page number indicated for more information on these connections.





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## AC power

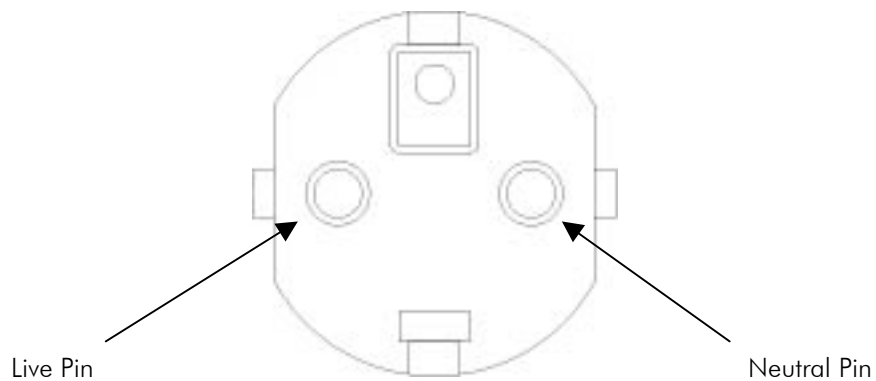


Check that the AC voltage for which this unit is configured matches your local AC line voltage. The correct operating voltage is indicated on the rear of the chassis, adjacent to the AC power inlet. Operating this unit on AC voltage other than that specified on the rear of the unit can damage or destroy this unit and increase the risk of electric shock.



Connect the AC power cord to the rear of the unit and directly to an AC outlet. For best results, do not use extension cords or multiple-outlet "power strips". Also, do not disable the ground pin as this can increase the risk of electric shock.

Pictured below is the wall plug of the Omicron Monaural Power Amplifier showing the live and neutral pins. For optimum performance make sure the pins maintain proper polarity.



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## *Analog inputs*

The Omicron Monaural Power Amplifier has both balanced (XLR) and single-ended (RCA) inputs. Both types of inputs have been carefully optimized to give the best possible performance. However, the most realistic and natural sonic quality is obtained by using the balanced inputs on your amplifier.

The balanced (XLR) and single-ended (RCA) inputs must be used separately. Ensure that your new Omicron Monaural Power Amplifier is OFF before changing any connections. When the amplifier is shipped from Classé there is a jumper between pins 1 and 3 of the balanced (XLR) inputs. To use your amplifier in single-ended mode simply connect the single-ended interconnects from the preamplifier to the RCA inputs of your Omicron Monaural Power Amplifier. To use your amplifier in balanced mode, remove the single-ended interconnects if attached. Remove the jumper between pins 1 and 3 of the balanced (XLR) input and save them for later use. Connect the balanced interconnects from the preamplifier to the XLR inputs of your Omicron Monaural Power Amplifier.

The XLR connector on your Omicron Monaural Power Amplifier is configured as follows:

PIN 1: Ground

PIN 2: Positive (Non-inverted) Signal, "hot"

PIN 3: Negative (Inverted) Signal

All Classé products share the same balanced (XLR) pin out. Other manufactures may use a different balanced (XLR) pin out configuration. Please contact the manufacturer if you wish to maintain consistent phasing throughout your system when connecting Classé products with equipment from other manufacturers.

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## *Infrared (IR) input and output*

The Omicron Monaural Power Amplifier is equipped with  $\frac{1}{8}$ " mini-plug connectors that allow the unit to directly receive and transmit remote IR commands. These connectors can be used with equipment that receives IR commands and converts them for transmission on copper wire. Contact your Classé dealer for information on installing and using remote IR repeating equipment.

# Operation

This section describes the operation of the Omicron Monaural Power Amplifier.

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## *Turning on AC power*

The Omicron Monaural Power Amplifier is turned on by means of a power switch located on the left side of the unit. Do not turn the AC power on until all connections have been made. When AC power is applied, the Omega symbol on the front of your Omicron Monaural Power Amplifier will FLASH in blue for 10 seconds, which indicates a normal initialization. When the Omega symbol switches to a solid blue indicator your Omicron Monaural Power Amplifier is in the normal operational mode.

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## *Protection mode*

The protection circuitry in the Omicron Monaural Power Amplifier was originally designed for the Omega Mono Power amplifier. This unique design utilizes current sensors for all internal power supplies. This new arrangement removes fuses from the Mosfet pre-driver stage and the result is a new level of uncompromised sonic performance. The Omicron Monaural Power Amplifier also has a protection circuit designed to detect unusual distortion and DC content at the amplifiers output.

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### *Protection mode continued*

When the Omicron Monaural Power Amplifiers protection circuitry is triggered the unit will enter the protection mode. The Omega LED indicator on the amplifier front panel will FLASH red. Power OFF the amplifier by unplugging the unit. Please note that once your Omicron Monaural Power Amplifier enters the protection mode the Power Switch will not function. Verify all connections and restart your amplifier. If the amplifier re-enters the protection mode immediately unplug it and contact your dealer for assistance.

# Specifications

Main Unit Dimensions	Width:	10.0 inches	25.4 cm
	Height:	16.5 inches	41.9 cm
	Depth:	19.5 inches	49.5 cm
	Weight:	108 lbs	54 Kg
Shipping Case Dimensions	Width:	28 inches	71 cm
	Height:	18 inches	45.8 cm
	Depth:	26 inches	66 cm
	Weight:	135 lbs	61.2 Kg
Frequency Response	20Hz to 20Khz +/- 0.1dB		
Sensitivity	2.25 Vrms for rated output		
Input Impedance	100 Kohms		
Output Impedance	0.017 ohms		
Gain	29 dB		
S/N Ratio	135 dBR		
THD+N	0.003%		
Rated Output	300 Watts @ 8 Ohms 600 Watts @ 4 Ohms 1200 Watts @ 2 Ohms		

# CE Certification

As of July 18, 1996, Classé Audio has been granted:

**Certificate Number: C401CLA1.MGS**

This indicates CE approval for all models of the Classé product line.

This means that your Classé product has been subjected to the most rigorous manufacturing and safety tests in the world, and has proven to meet or exceed all European Community CE requirements.

## Warranty and Service

For warranty service, contact your Classé dealer or Classé Audio directly at:

Classé Audio  
5070 Francois-Cusson  
Lachine, Québec  
Canada H8T 1B3

Telephone: 514 636 6384  
Fax: 514 636 1428  
Email: [cservice@classeaudio.com](mailto:cservice@classeaudio.com)  
Web site: <http://www.classeaudio.com>