

CLASSE

OWNER'S MANUAL
Omega SACD2



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SAFETY PRECAUTIONS

WARNING: failure to comply with these safety instructions can cause serious injury or death, or cause your Classé Omega SACD2 Player to be severely damaged or destroyed.

Do not operate the Classé Omega SACD2 Player with any portion of the chassis removed or open. Dangerous voltages and laser radiation 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 Omega SACD2 Player power supply unit.

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:

- 100-120 Volts
1.0 Amp, Slo-Blo
- 220-240 Volts
0.5 Amp, 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.

THANK YOU FROM EVERYONE AT CLASSÉ

Thank you for purchasing the Classé OMEGA SACD2.

We take great pride in offering components that combine exceptional sonic performance and long-term reliability. As with all Classé components, your SACD2 benefits from the investment we've made in extraordinary design and manufacturing facilities. We trust that you will enjoy your purchase for many years to come.

CLASSÉ DESIGN PHILOSOPHY

All of our components benefit from the same rigorous design goal: All Classé products must reproduce music with the harmonic and spatial integrity typical of fine instruments heard in a live, unamplified performance.

Single Circuit Design

To this end, we make extensive use of carefully optimized versions of the same basic circuit precisely matched to specific power requirements. This means that all Classé line level components and power amplifiers benefit from years of refinement. However, our efforts do not stop here.

Listening: The Critical Design Element

Once we determine general circuit values for a particular application, we listen carefully while exchanging and mixing different parts (transistors, capacitors, wiring, PC boards, etc.) and adjusting specific operating voltages within proper engineering ranges.

Extended Real-World Lifespan

Every Classé component, even the most affordable, benefits from our painstaking approach to design parameters. The result is an optimum balance between the often-conflicting demands of exceptional performance and long-term reliability. Our most expensive components gain from even tighter tolerance parts and highly segmented and exceptionally robust power supplies with large reserve-current capabilities.

Our Pride in Manufacturing, Your Pride in Ownership

We build all of our components to the highest possible standards. From multi-layer glass-epoxy circuit boards, the full sized power-supplies, and the massive faceplates, every Classé product is a tribute to both the science and art of sound reproduction. We hope that you derive as much pleasure and satisfaction in using your Classé as we did in producing it.

INTRODUCTION

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 Omega SACD2 Player.



How to use this manual

The symbol to the right of the page indicates a section of the manual that is of particular importance for safety or to prevent damage to your Omega SACD2 Player.

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

It is highly recommended that you familiarize yourself with all aspects of the operation of your Omega SACD2 Player. However, if you want to begin listening to your Omega SACD2 Player immediately, skip to the section titled Controls and Operation.

UNPACKING AND POSITIONING

Unpack your Omega SACD2 Player 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.

Contents

Included in the shipping case should be the following items:

1. Main unit
2. AC mains cord
3. Remote control and 2 AAA batteries
4. Warranty card
5. This manual

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

Installing batteries in the remote control

To install the batteries in the remote control, remove the screws that hold the battery cover to the back of the remote. Install the two AAA batteries as indicated on the plastic battery holder inside and replace the cover.

Positioning the Omega SACD2 Player

For best performance, place your Omega SACD2 Player on a solid, non-resonant surface. Do not place the Omega SACD2 Player directly on top of another component.

CONNECTIONS

Pictured below is the rear of the Omega SACD2 showing all input and output connections.

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 power supply 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 power supply 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.

Digital outputs

The Omega SACD2 Player is equipped with two digital outputs: one AES/EBU (XLR connector) and one SPDIF (RCA connector). These can be connected to a digital recorder or other digital audio component.

When playing a standard CD, the digital output sample rate can be set to 44.1 kHz, 48kHz, 88.2 kHz, 96 kHz or 192 kHz by pressing the sample rate button on the remote control.

The digital outputs are disabled when playing a Super Audio CD.

Analog outputs

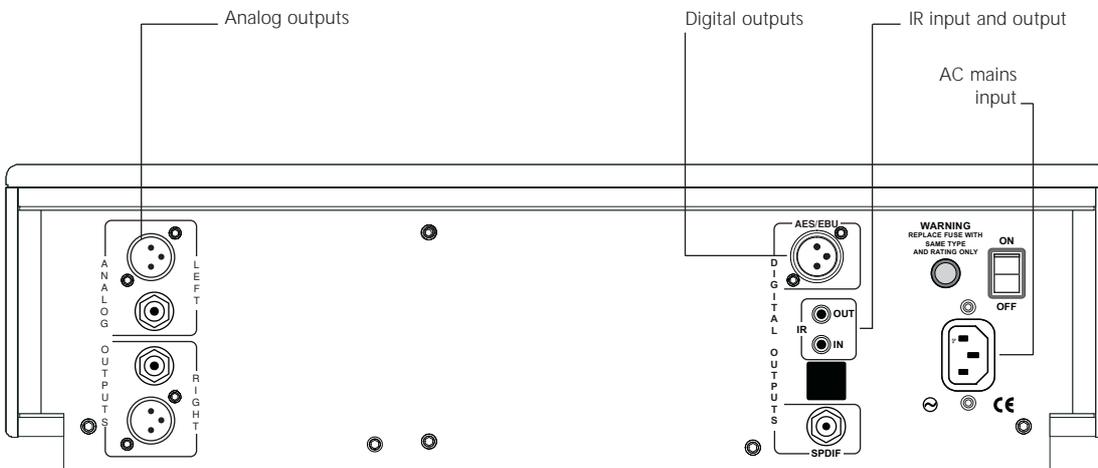
The Omega SACD2 Player has both balanced (XLR) and single-ended (RCA) outputs. Both types of outputs have been carefully optimized to give best possible performance. However, the most realistic and natural sonic quality is obtained by connecting the balanced outputs to a balanced input on your preamplifier.

The balanced output is derived from a balanced digital signal, which is converted to analog using two DACs per channel followed by differential output circuitry. The unbalanced output is converted by a separate DAC followed by dedicated single-ended circuitry.

Both the balanced and single-ended outputs can be used simultaneously.

Infrared (IR) input and output

The Omega SACD2 Player is equipped with 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. This is especially useful for situations where the Omega SACD2 Player is outside of the line-of-sight of your listening location. Contact your Classé dealer for information on installing and using remote IR repeating equipment.



CONTROLS AND OPERATION

This section describes all of the controls, front panel display, and operation of the Omega SACD2 Player.

Turning on AC power

The Omega SACD2 is turned on by means of a power switch located on the rear of the unit. Do not turn the AC power on until all connections have been made.

Standby mode

If the Omega SACD2 Player is left idle for more than five minutes, it will automatically enter Standby mode. In this mode, the front panel display and transport power supplies are turned off, saving power. However, the low-level analog power supplies remain on for maximum sonic performance. When the Omega SACD2 Player is in Standby mode, a single LED indicator on the front panel will illuminate. The Omega SACD2 Player will automatically return to regular operation when any key on the front panel or remote control is pressed.

Front panel controls

Below is an illustration of the Classé Omega SACD2 front panel controls and a brief description of each button.

STOP

Pressing STOP will cause the Omega SACD2 to stop playing.

PLAY

Pressing the PLAY key will begin playing. If the drawer is open, PLAY will cause the drawer to close.

SKIP FORWARD/SKIP BACK

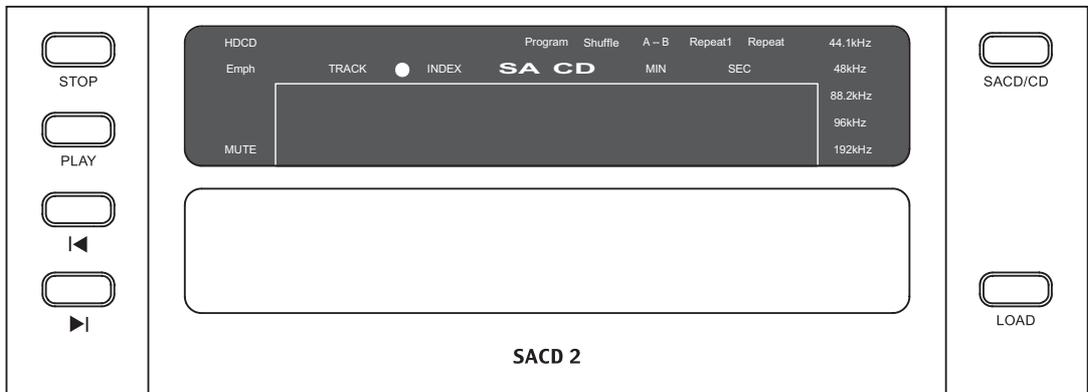
Use these keys to select a track on a disc. You can select a track while the Omega SACD2 is reading a disc and searching for the Table of Contents.

LOAD

This key opens and closes the disc-loading door. Pressing PLAY will also cause the door to close.

SACD/CD

This key allows the user to select which layer of a multi-layer hybrid SACD disc is played. Pressing this key toggles back and forth between SACD and CD playback. The switch setting is indicated by the front panel display. Note that the SACD/CD key only works when the unit is not playing. When using a single layer disc – either SACD or standard CD – the Omega SACD2 player automatically selects the appropriate layer and the SACD/CD key is disabled. In addition, the Omega SACD2 automatically defaults to the SACD layer when playing a dual-layer hybrid SACD/CD disc. Thus, the only time the SACD/CD key is used is to select the CD layer on a dual-layer SACD/CD recording.



Front panel display

Below is an illustration of the Omega SACD2 front panel display and a description of each indicator.

The remote control

The remote control provides access to all functions available on the front panel. In addition, several functions can only be accessed from the remote control. For instructions on how to use keys that are duplicated on the front panel, see the instructions in the previous section. For other functions, see complete descriptions in the relevant sections of this manual.

Using the direct access keypad

The ten-digit keypad on the remote control can be used to directly access any track on the disc. Press the digits of the track you wish to access.

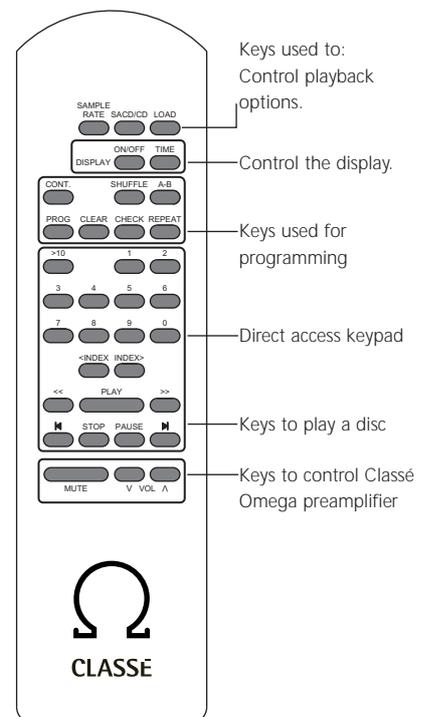
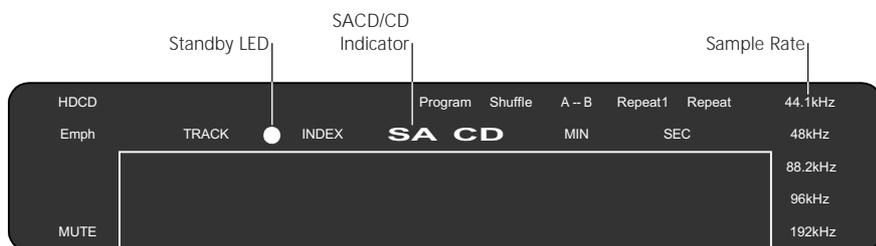
To access a track number greater than 9, press the >10 key, and then enter the two digit track number.

SRC (Sample-Rate Converter)

The Sample-rate converter will convert PCM (Pulse Code Modulated) signals from a CD playing to 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz or 192 kHz sample rate. The signal is then processed by a 4-times over-sampling filter before it is fed to the internal DAC section. In addition, the converted signal is routed to all digital outputs.

The Sample-rate converter works only on PCM (Pulse Code Modulated) signals and will therefore not operate when playing Super Audio CDs.

To select the desired Sample-rate, press the Sample Rate key on the remote control. The Sample rate will be indicated on the front panel display.



Loading or unloading a disc

To load a disc, follow these steps:

1. Press the LOAD key on the front panel to open the drawer.
2. Once the drawer is open, place the disc (with the label facing up) on the drawer.
3. Press the LOAD, PLAY, or SKIP keys to close the drawer.

To unload a disc, press LOAD.

Playing a disc

After the disc is loaded and the drawer closed, the Omega SACD2 Player will begin to detect which type of disc has been loaded.

Note that the Omega SACD2 player takes longer to start playing after the disc is loaded compared to conventional CD players. This is normal operation. Unlike a conventional player, the Omega SACD2 must identify the type of disc, activate the appropriate laser, adjust the servo tracking system, and verify the copyright information on the disc. Here is a summary of all play functions:

TO	PRESS	KEY LOCATION
Pause playing	PAUSE	Remote
Resume playing	>	Front panel and remote
Resume playing	PAUSE ▷	Remote
Stop playing	STOP	Front panel and remote
Skip to next track	▷◁	Front panel and remote
Skip to beginning of current track	◁◁	Front panel and remote
Skip to previous track	◁◁ (repeatedly)	Front panel and remote
Move forward within current track	>>>	Remote
Move back within current track	<<<	Remote
Skip to next index	INDEX >	Remote
Skip to previous index	INDEX <	Remote

Controlling the display

The Omega SACD2 Player display function can be changed using keys on the remote control as follows:

ON/OFF

Pressing the ON/OFF key will cause the display to toggle between ON mode and OFF mode. In OFF mode, the display will remain off until a key on the front panel or the remote control is pressed. In ON mode, the display remains illuminated during operation.

TIME

The TIME key changes how the front panel display indicates time. The display can show elapsed time for the current track, time remaining for the current track, or time remaining for the entire disc. Pressing the TIME key scrolls through the three options as shown below:

Programming

Several programming features allow you to listen to tracks in a particular order or repeat tracks. All keys for programming are on the remote control.

SHUFFLE

Press the SHUFFLE key to hear tracks in a random order. Pressing CONTINUE will resume normal playing.

REPEAT

Use the REPEAT key to hear a single track or the entire disc repeated. Pressing REPEAT once will cause the Omega SACD2 to repeat the entire disc. This is indicated by the word "Repeat" illuminated on the front panel display.

Pressing REPEAT a second time will cause the Omega SACD2 to repeat the current track. This is indicated by the word "Repeat1" illuminating on the front panel display.

Pressing REPEAT a third time will revert to normal play.

A – B Repeat

This function allows you to repeat one section of a track. Pressing the A – B key on the remote sets the beginning of the section to be repeated. Pressing the A – B key a second time will set the end point for the repeating section. When the A – B key is pressed the second time, the Omega SACD2 Player will begin to repeat the selected portion of the disc.

To resume normal play, press REPEAT or STOP.

Creating your own program

To program the Omega SACD2 to play tracks in a specific order, follow these steps:

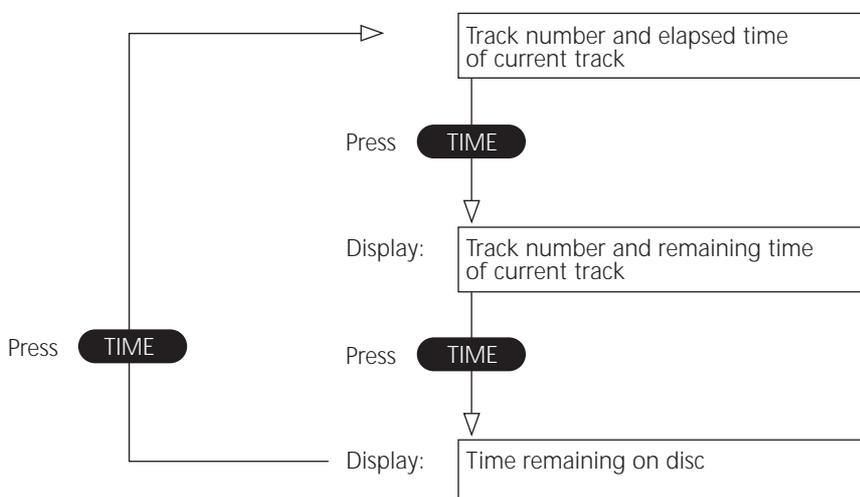
1. If the disc is playing, press STOP.
2. Press the PROGRAM key.
3. Use the 10-digit keypad to enter the track number of the first track in the program. For more information, see Using the Direct Access Keypad. If you entered the wrong track, press CLEAR.
4. Enter the next track number in the same manner. Each time you enter a track number, the total program time appears in the display.
5. When you are finished, press PLAY to hear the program.
6. The program will be erased if you turn the AC power off or press the LOAD key.

CHECK

To check the order of the program, use the CHECK key. Each time you press CHECK, the number of the next track in the program appears on the display.

CLEAR

When the player is stopped, you can use the CLEAR key to delete tracks from the program. Press the CHECK key repeatedly until the track number that you want to delete appears on the display, then press CLEAR to delete that track.



Using the Omega SACD2 remote control with other Classé products

The Omega SACD2 Player remote control can be used to control all Omega pre-amplifiers.

VOLUME UP/DOWN

Pressing these keys will raise or lower the pre-amplifier or integrated amplifier volume level.

MUTE

Pressing MUTE will cause the pre-amplifier or amplifier output to mute. Pressing either VOLUME UP or DOWN will cause the unit to un-mute. See the owner's manual for your Classé product for more detailed information.

SPECIFICATIONS

Main Unit Dimensions

Width:	17-3/8"	44.1cm
Height:	4-3/4"	12cm
Depth:	15"	38cm
Weight:	13.6kg	30lbs

Analog Output Voltage (Full scale)

Balanced:	2.2Vrms
Un-balanced:	1.1Vrms

Digital Outputs:

1 – SPDIF (RCA connector)
1 – AES/EBU (XLR connector)

Outputs can sample rate convert to 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, and 192 kHz.

Outputs do not function when playing a Super Audio CD.

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:

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