CARY))) AUDIO

OWNER'S MANUAL

CD 306 SACD
Professional Version

Super Audio CD Player

NOTE: Before installing your new component, please read this manual carefully as it will inform you of the product specifications, proper installation and correct operating procedures for your unit. Also included in this manual are guidelines on how to service and care for your new Cary Audio Design product.

TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION: To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Please refer to qualified personnel for service.

ALERT: The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the component.

1. **READ ALL INSTRUCTIONS:** All the safety and operating instructions of your Cary Audio equipment should be read before power is applied to the equipment.

2. **RETAIN OWNER'S MANUAL:** These safety and operating instructions should be retained for future reference.

3. **HEED WARNING:** All warnings on the unit and in the operating instructions should be adhered to.

4. **FOLLOW INSTRUCTIONS:** All operating and use instructions should be followed.

5. **CLEANING:** Unplug the unit from the wall outlet before cleaning. The unit should be cleaned only as recommended by the manufacturer.

6. **ATTACHMENTS: Do not** use attachments not recommended by the unit manufacturer as they may cause hazards.

7. **WATER AND MOISTURE: Do not** use the unit near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool.

8. **ACCESSORIES: Do not** place the unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child, an adult, or damage to the unit. Mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.

9. **VENTILATION:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. The top or bottom panel openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. The unit should not be installed in a built-in location such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 6 inches (16cm) above the unit and an opening behind the unit.

10. **GROUNDING OR POLARIZATION:** The unit may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug should fail to fit, contact a licensed electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

11. **POWER SOURCES:** The unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your unit dealer or local power company.

12. **POWER CORD PROTECTION:** Power supply cords should be routed so that they are unlikely to be walked on or pinched by items placed on or against them. Pay close attention to cords where they enter a plug, or a convenience receptacle, and the point where they exit from the unit.

13. **OUTDOOR ANTENNA GROUNDING:** If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded so as to provide protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, NSI/NFPA 70, provides information regarding proper grounding of the mast and supporting structure, grounding of the lead-in wire to an Antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

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IMPORTANT SAFETY INSTRUCTIONS

14. **LIGHTNING:** For added protection for the unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

15. **POWER LINES:** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits as contact with them might be fatal.

16. **OVERLOADING:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

17. **OBJECT AND LIQUID ENTRY:** Never push objects of any kind into the unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.

18. **SERVICING:** Do not attempt to service the unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. **REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

20. **SAFETY CHECK:** Upon completion of any service or repairs to the unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

21. **WALL OR CEILING MOUNTING:** The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.

22. **HEAT:** The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.

23. **IMPORTANT SAFETY NOTE:** Before connecting a new component such as the DVD 7 to your audio or home theater system it is always good practice to make certain that all components are turned off, and preferably unplugged from their AC power source. Many modern electronics products feature automatic turn-on circuits that may be activated during an installation, causing the potential for damage to electronic components and/or speakers. Such damage is not covered by product warranties and Cary Audio specifically disclaims responsibility for any such damage.

    Power Cord: The removable power cord that is shipped with the player is specifically designed to be used with this product. Other AC cords may be used, so consult your dealer for advice on AC power cords and high quality wire in your system.

    ⚠ **AC Fuse:** The fuse is located inside the chassis and is not user serviceable. If power does not come on, contact your authorized service representative.

    Wiring: Cables that run inside of walls should have the appropriate markings to indicate compliance with, and listing by the UL, CSA or other standards required by the UL, CSA, NEC or your local building code. Questions about cables inside of walls should be referred to a qualified custom installer, or a licensed electrician or low-voltage contractor.

    Do Not Open the Cabinet: There are no user serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object, such as a paper clip, coin, or staple accidentally falls inside the unit, disconnect it from the AC power source immediately and contact Cary Audio for further instructions.

24. **RECORDING COPYRIGHT:** Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

25. **NOTE TO CATV SYSTEM INSTALLER:** This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

IMPORTANT SAFETY INSTRUCTIONS

26. **FCC INFORMATION FOR USER:**

CAUTION: ANY changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from where the receiver is connected.

27. **OUTDOOR ANTENNA INSTALLATION/SAFE ANTENNA AND CABLE CONNECTION:** If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded so as to provide protection against built up static charges and voltage surges, Section 810 of the national Electrical Code, ANSI/NFP A70 (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.
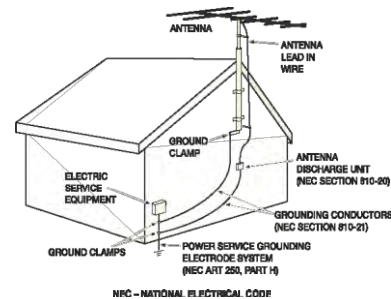
Keep Antenna Clear of High Voltage Power Lines or Circuits
An outside antenna system should be located well away from power lines, electric light or power circuits and where it will never come into contact with these power sources if it should happen to fall. When installing an outside antenna, extreme care should be taken to avoid touching power lines, circuits or other power sources as this could be fatal. Because of the hazards involved, antenna installation should be left to a professional.

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WELCOME

Following the tremendous success of the 306 line of CD players, Cary Audio Design's new CD 306 SACD Professional Version includes the latest in SACD, HDCD and CD playback technology. The new CD 306 SACD Professional Version features a new servo board design with internal components tested to 105° C. The PMD-200 filter has now been replaced with a high quality Burr Brown filter chipset. HDCD decoding is accomplished with the absolute latest software available. Larger, multiple power transformers along with higher current regulators add up to stronger, higher current regulated power supplies. The internal copper chassis along with a new vented top cover add strength, durability and incredible transport shielding to the CD 306 SACD Professional Version. For even greater resolution when playing back SACD's, the internal word clock frequency has been raised from 11.2896 MHz to 22.5792 MHz.

Completing the list is a new aluminum loader tray that adds elegance and greater disc handling care. The new CD 306 SACD Professional Version continues on with 8 Burr Brown 1792u DAC chips running in a true balanced parallel, extremely low jitter digital to analog converter. A word about jitter is in order. The master clock jitter is below measurable levels, utilizing a digital buffer circuit. In other words the data stream read from the disk is stored in RAM buffer circuits and then released to the D/A conversion.

Another very important feature of the new Pro version CD 306/SACD is that SACD playback stays in pure DSD format all the way to the analog outputs. It is not converted to PCM in the CD 306 SACD player. The digital to analog conversion section within the new CD 306 SACD Professional Version may still be used as a stand alone DAC with three separate digital inputs available that are selectable on the front panel.

The CD 306 SACD Pro will also upsample a Redbook CD disk from 44.1 KHz to 96, 192, 384, 512 or 768 kHz to release all the information available from your disc library. This is the fourth generation of the Cary Audio Design CD-306 series of CD players. The Cary simply gets the music across to you in a well-balanced, grab you by the throat, viscerally captivating way. Nothing stands out as being either too much or not enough. All without a hint of stridency, glare, grit, or other digital nasties, of which, are easily misinterpreted as detail and resolution. The Cary CD 306 SACD Pro version is truly the 'tour de force' CD and SACD player.

WELCOME

This section describes the unpacking and installation procedures for your new component.

Unpacking

All Cary Audio Design shipping cartons have been specially designed to protect their contents and special care has been taken to prevent damage under normal shipping conditions. Mishandling should be evident upon inspection of the shipping container. If shipping damage is found after visual inspection, take care not to destroy the evidence. If necessary, document the damage with photographs and contact the transport carrier immediately.

Carefully remove your new component from its packing carton and examine it closely for signs of shipping damage. We strongly recommend saving all original packing cartons to protect your component from damage should you wish to store it or ship it at a later date.

Power Requirement

The CD 306 SACD Transport/Processor is designed to operate from AC mains current. The design AC voltage is either 100-120V/or 200-240 Volts AC at 50-60 Hz.

Connections

Digital Outputs:
- The outputs send a digital signal and should only be connected to the appropriate digital signal input of an accompanying component.

Analog Outputs:
- These are for connection to the CD or AUX input jacks of an accompanying preamplifier or amplifier.

Warranty Card

If you are the original purchaser of this unit and you purchased it in the United States, you should fill out the enclosed warranty registration card and return it to Cary Audio Design within 15 days of your purchase. Cary Audio Design also suggests that you keep your original packing cartons in case you ever need to ship the unit when moving to a new home. Warranty restrictions apply. Consult the warranty section of this manual for details. Please be certain to keep a copy of the original sales receipt from your Authorized Cary Audio Design dealer to validate the warranty if ever needed.

SPECIFICATIONS

Operating the CD 306 SACD Pro Transport/Processor is a simple procedure, since each unit is designed for long term stability in virtually any home operating situation. However, if the unit is operated outside the parameters outlined in this owner's manual, damage may result. Please read this manual carefully before putting your new CD 306 SACD Pro in operation. The following definitions are applicable to this manual.

SACD Mechanism	Triple-beam laser, multi speed SACD transport
Formats	SACD, CD AUDIO (CD-DA), CD-R, CD-RW
Master Clock Jitter	Below measurable levels
Digital Sample Rates (Fs)	44.1, 96, 192, 384, 512 or 768 kHz sample rates for CD playback to the analog audio outputs, 44.1, 96 or 192 kHz Fs for digital inputs
Digital Filter	Burr Brown DF-1706 Software with HDCD decoding
Digital / Analog Converters	8 channel (4) Burr Brown DSD 1792U
Analog Filter	3rd Order Bessel
Analog Outputs	Balanced XLR , Single – Ended RCA
Digital Outputs	AES/EBU, Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz 16 bit to 192 kHz 24 bit
Digital Inputs	AES/EBU, Coaxial, Toslink operating at Sample Frequency (Fs) from 44.1 kHz 16 bit to 192 kHz 24 bit
Digital Input Sample Rate	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz or 192 kHz, Accepts 16, 20, or 24 bits
Communication	RS232 full remote configuration interface
Power Input	Configured at factory for either 100-120 or 200-240 VAC, 50-60 Hz
Power Consumption	65 Watts

AUDIO (CD)

|	
Frequency Range	2 Hz - 22 kHz (44.1 kHz)
Amplitude Linearity	0.1 dB (20 Hz – 20 kHz)
Phase Linearity	3 degrees (20 Hz - 20 kHz)
Dynamic Range	131dB (1 kHz)
Signal-to-Noise Ratio	127dB (1 kHz)

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SPECIFICATIONS

Channel Separation	109dB (1 kHz)
Total Harmonic Distortion	0.0004% (1 kHz)
Audio Output Level	3.0V RMS (220 Ω output impedance)
Balanced	6.0V RMS (440 Ω output impedance)

AUDIO (SACD)

Frequency Range	2 Hz - 100 kHz (2.822 MHz)
Signal system	1 bit DSD
Sampling frequency	2.822 MHz
Dynamic Range	132dB
DSD System Clock	Frequency 22.5792 MHz
Signal-to-Noise Ratio	128dB
Audio Output Level	3.0V RMS (220 Ω output impedance)
Balanced	6.0V RMS (440 Ω output impedance)

CONTROLS AND DISPLAYS
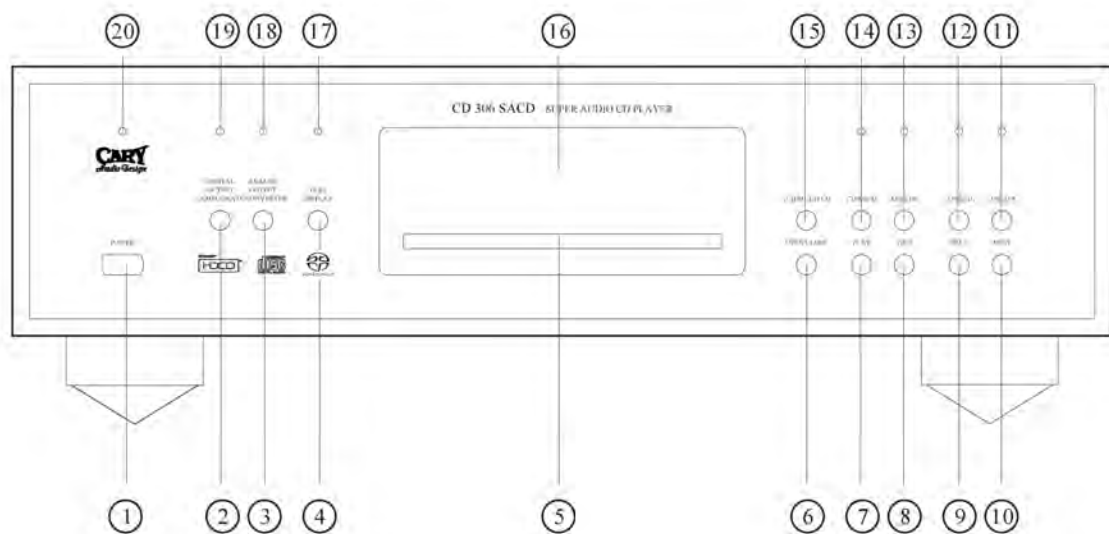
1. **POWER**
   - Press once to turn the power ON.
   - Press again to set to the "OFF" position and turn the power off.

2. **DIGITAL OUTPUT SAMPLE-RATE CONVERTER button: (CD only)**
   - Use this button to switch the digital output sample-rate converter mode.
   - OFF (44.1) ---> 96kHz ---> 192kHz --->

3. **ANALOG OUTPUT SAMPLE RATE COVERTER button: (CD only)**
   - Use this button to switch the analog output sample-rate converter mode.
   - OFF (44.1) ---> 96 ---> 192 ---> 384 ---> 512 ---> 768kHz --->

4. **TEXT DISPLAY button (Super Audio CD only)**
   - Use this button to switch the track titles on or off.

5. **DISC HOLDER**
   - Load discs here.

6. **DISC HOLDER OPEN/CLOSE button**
   - Press this button to open and close the disc holder.

7. **PLAY button**
   - Press this button to start playback the disc.

8. **STOP button**
   - Press this button to stop playback.

9. **AUTOMATIC SEARCH REVERSE button**
   - Press this button to return the pickup to the beginning of the present track.
   - Press again to return to other tracks.

CONTROLS AND DISPLAYS

10. AUTOMATIC SEARCH FORWARD button
- Press this button to move the pickup forward to the beginning of the next track.
- Press again to move ahead to other tracks

11. EXTERNAL IN TOSLINK (OPTICAL) button
- Press this button to select the program source connected to the digital input jack TOSLINK (Optical).

12. EXTERNAL IN COAXIAL button
- Press this button to select the program source connected to the digital input jack COAXIAL.

13. EXTERNAL IN AES/EBU button
- Press this button to select the program source connected to the digital input jack AES/EBU.

14. CD/SACD button
- Press this button to select the source played. CD/SACD is automatic.

15. 2 CH/MULTI CHANNEL button
- Use this button to select the layer of the 2 channel or multi channel in the Super Audio CD.

16. ALPHANUMERIC DISPLAY
- This twenty-character display provides a wide range of information concerning the operation of the CD 306 SACD Pro.

17. TEXT DISPLAY INDICATOR
- This indicator lights when the text information on the disc can be displayed.

18. ANALOG OUTPUT SAMPLE RATE CONVERTER INDICATOR
- This indicator lights when the analog output sample rate converter function is "ON".

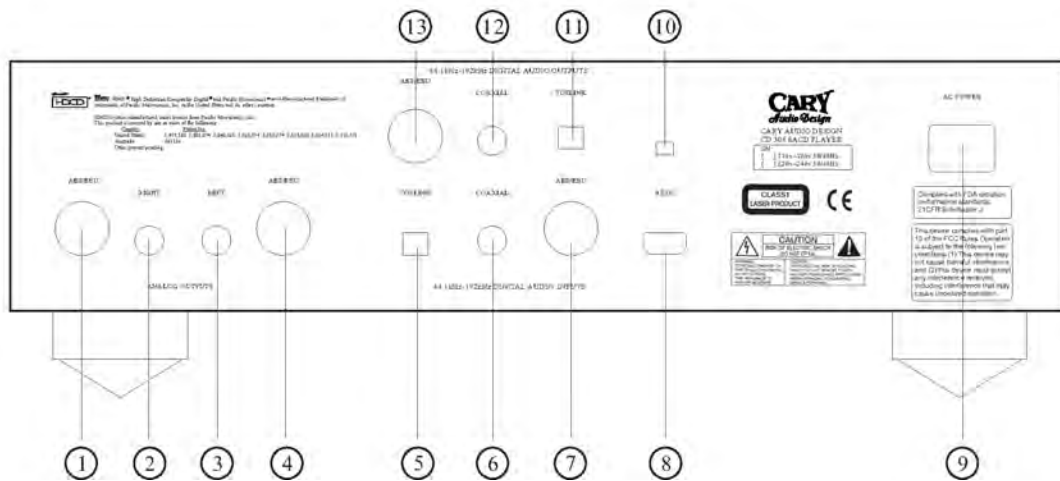**19. DIGITAL OUTPUT SAMPLE RATE CONVERTER INDICATOR**
- This indicator lights when the digital output sample-rate converter function is "ON".

20. POWER INDICATOR
- This indicator lights when the player is attached to AC Mains.

CONTROLS AND DISPLAYS

1. **RIGHT CHANNEL ANALOG OUTPUT JACK (AES/EBU BALANCED)**
    - Use this jack for connection to the amplifier/preamplifier's balanced input jack.

2. **RIGHT CHANNEL ANALOG OUTPUT JACK (RCA UNBALANCED)**
    - Use this jack for connection to the amplifier/preamplifier's RCA unbalanced input jack.

3. **LEFT CHANNEL ANALOG OUTPUT JACK (RCA UNBALANCED)**
    - Use this jack for connection to the amplifier/preamplifier's RCA unbalanced input jack.

4. **LEFT CHANNEL ANALOG OUTPUT JACK (AES/EBU BALANCED)**
    - Use this jack for connection to the amplifier/preamplifier's balanced input jack.

5. **DIGITAL INPUT JACK (TOSLINK)**
    - 44.1 kHz -192kHz digital data input to this jack.

6. **DIGITAL INPUT JACK (COAXIAL)**
    - 44.1 kHz -192kHz digital data input to this jack.

7. **DIGITAL INPUT JACK (AES/EBU)**
    - 44.1 kHz -192kHz digital data input to this jack.

8. **RS 232 JACK** for computer control.

9. **POWER INPUT(AC IN)**
    - Connect to AC mains using the included power supply cord

10. **SOFTWARE UPGRADE PORT**

11. **DIGITAL OUTPUT JACK (TOSLINK)**
    - 44.1 kHz – 192 kHz digital data output from this jack.
    - With Super Audio CD disks, no digital signals output.

CONTROLS AND DISPLAYS

12. DIGITAL OUTPUT JACK (COAXIAL)
- 44.1 kHz - 192 kHz digital data output from this jack.
- With Super Audio CD disks, no digital signals output.

13. DIGITAL OUTPUT JACK (AES/EBU)
- 44.1 kHz-192 kHz digital data output from this jack.
- With Super Audio CD disks, no digital signals output.

The pin assignments of ALL of the XLR-type male analog outputs, the XLR-type male digital output and XLR-type female digital inputs are:
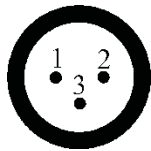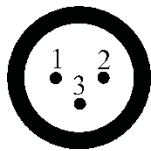
Pin 1: Signal ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal - (inverting)
Connector ground lug: chassis ground

Refer to your amplifier's operating manual to verify that the XLR pin assignments of its input connectors correspond to the CD 306 SACD. If they are different, wire the XLR cable so that the appropriate XLR output pin connects to the equivalent XLR input pin.
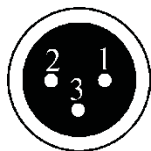
Pin 1: Signal ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal - (inverting)
Connector ground lug: chassis ground

Refer to your digital input source signal player or other digital source's operating manual to verify that the XLR pin assignments of its input connectors correspond to the CD 306 SACD. If they are different, wire the XLR cable so that the appropriate input pin connects to the equivalent input pin.

Pin 1: Signal ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal - (inverting)
Connector ground lug: chassis ground

Refer to your digital source's operating manual to verify that the XLR pin assignments of its input connectors correspond to the CD 306 SACD. If they are different, wire the XLR cable so that the appropriate output pin connects to the equivalent output pin.

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CONTROLS AND DISPLAYS

This section explains how best to use the remote control to set up and operate the CD 306 SACD Pro.
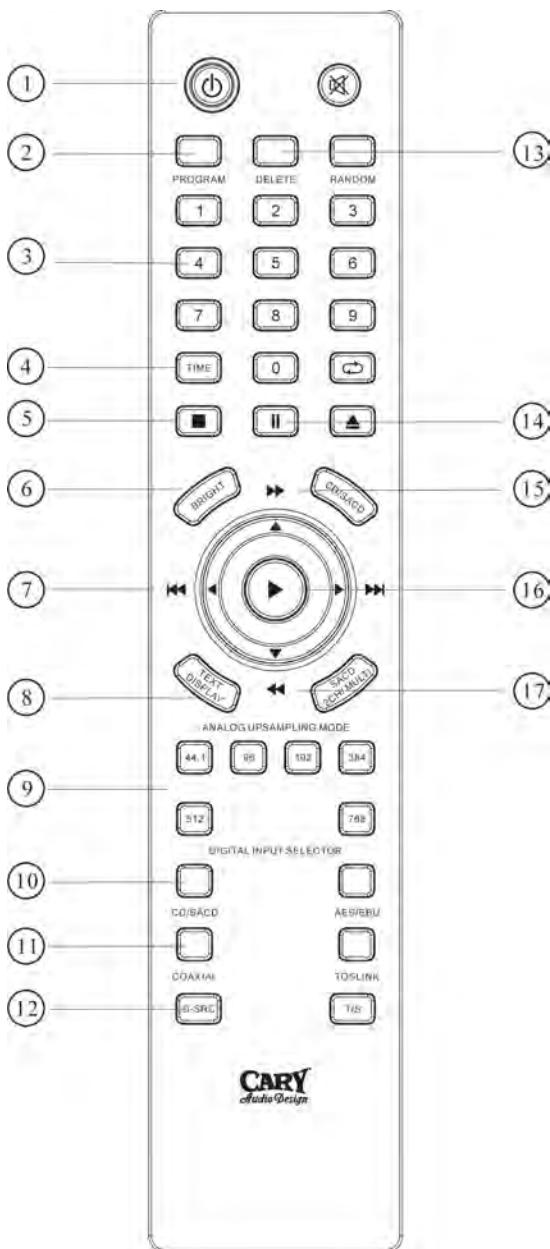
1. **POWER:** Use to turn the power on and off.

2. **PROGRAM:** Use to preset tracks to be played by keying in track numbers. When operating the PROGRAM function, the player must be in STOP mode.

3. **NUMBER:** Use the number buttons to select the desired track. Playback starts from the selected track.

4. **TIME:** Use to display the remaining time of a track or it displays the total remaining time of a disc.

5. **STOP:** Use to stop play.

6**. BRIGHT:** Use to select the player display's brightness level.

7. **PREVIOUS:** Use to jump to the start of the previous track.

8. **TEXT DISPLAY:** Use this function to display the test information on the disk.

9. **ANALOG UPSAMPLING MODE:** Use to select the analog sample-rate converter mode.

10. **CD/SACD:** Use to select the source material.

11. **COAXIAL:** Use to select the program source connected to the digital input jack (COAXIAL).

12. **D-SRC:** Use to select the digital sample-rate converter mode.

13. **DELETE:** Use to clear a program

14. **PAUSE:** Use to interrupt play. Resume play.

15. **FORWARD:** Use to search for a passage.

16. **PLAY:** Use to start play.

17. **REVERSE:** Use to search for a passage.

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CONTROLS AND DISPLAYS
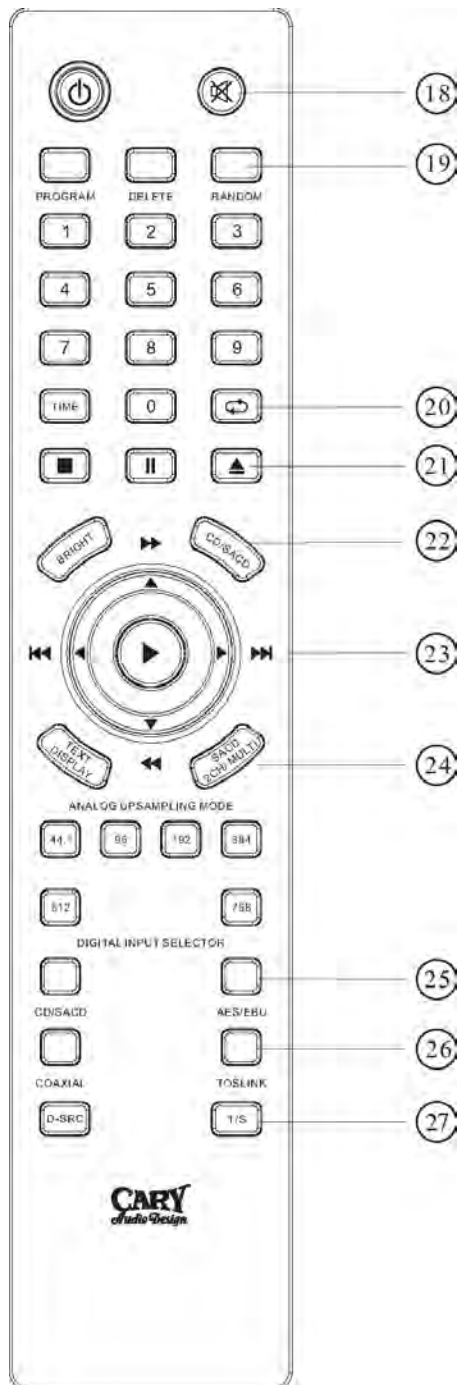
18. **MUTE:** Use to mute sound. Press to resume sound.

19. **RANDOM:** Use to play all the tracks on the disc once in random order.

20. **REPEAT:** Use to repeat play. Press once for single track, press 2nd time to repeat ALL, press 3rd time to clear.

21. **OPEN/CLOSE:** Use to open and close the disc holder.

22. **CD/SACD:** Use to select the hybrid disc of the SACD layer or CD layer.

23. **NEXT:** Use to select another track during play.

24: **SACD 2CH/MULTI CH:** Use to select the 2 channel or multi channel layer on the SACD disc.

25. **AES/EBU:** Use to select the program source connected to the digital input jack (AES/EBU).

26. **TOSLINK:** Use to select the program source connected to the digital input jack (TOSLINK).

27. Not used on the CD 306 SACD Professional Version

PLAYBACK

NORMAL PLAYBACK

Setting the Top Priority Playback layer for Super Audio CD
- The SACD disk layer for top priority playback after the disc is loaded can be set.
- The SACD disk layer set for top priority playback upon shipment from the factory (default setting) is the Super Audio CD (stereo) layer.
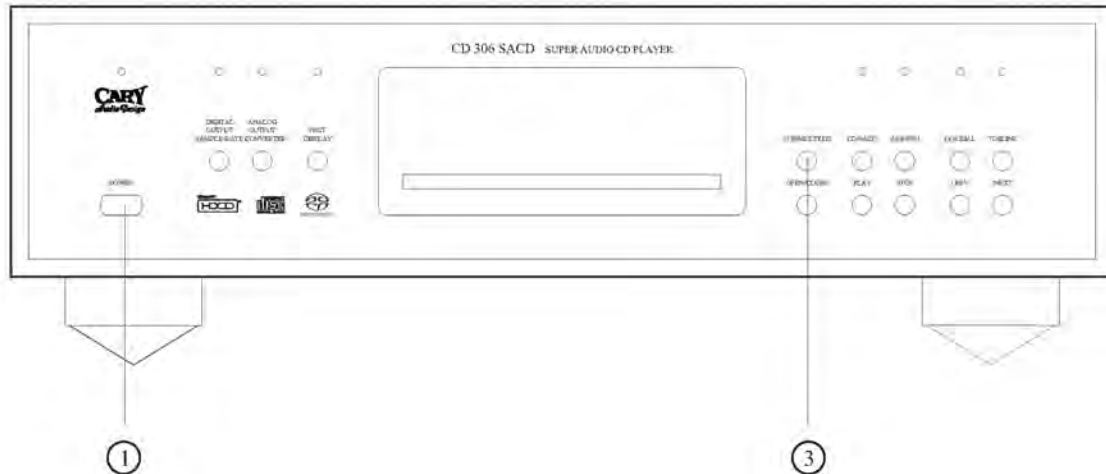
1. Press the POWER button to turn on the power.

2. Check that the disc is loaded.
   - If the SACD disk layer is switched while the disc is being loaded, the playback layer switches for that disc, but the top priority playback layer setting itself does not change.

3. Press the 2CH/MULTI CHANNEL button and switch to the layer you want to set.
   - When a SACD disk is loaded after the setting has been made, the contents recorded on the set layer are displayed.
   - If a disc that does not contain the layer set for top priority playback is loaded, the contents recorded on another layer are displayed automatically.
   - This setting is stored in the memory and is not cleared even when the disc holder is opened or closed or the power is turned off. To change the setting, repeat the procedure above.

PLAYBACK

STARTING PLAYBACK
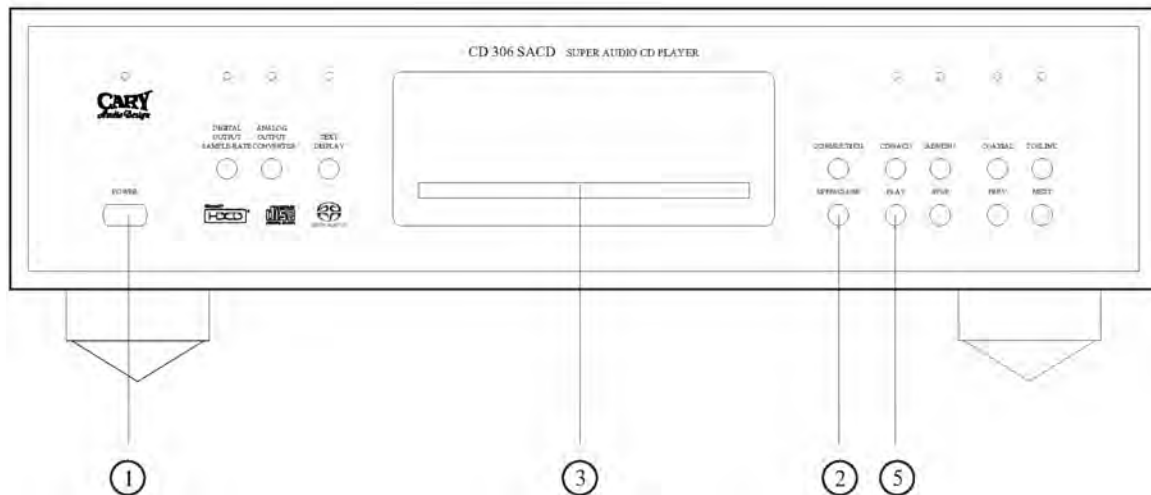
1. Press the POWER button to turn on the power.

2. Press the OPEN/CLOSE button.
   • The disc holder opens.

3. Load the disc you want to play.

4. For Super Audio CD, use the 2CH/MULTI CHANNEL button to set the layer to be played, as necessary.

5. Press the PLAY button.
   • Playback starts.
   • Playback stops automatically after the last track on the disc has been played.

STOPPING PLAYBACK

1. During playback, press the STOP button.
   • Playback stops.

PLAYBACK

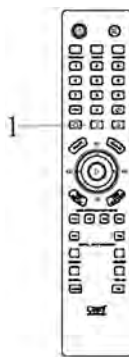### 1. Playing a specific track (Remote control unit only)   [Direct Play]

Use the number buttons and + 10 button to select the desired track.

- Playback starts from the selected track.

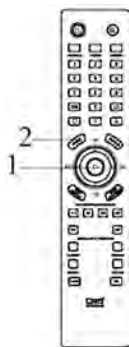### 2. Stopping playback temporarily (Remote Control unit only)   [Pause]

During playback, press the PAUSE button on the remote control unit.
- Playback pauses.
- To resume playback from the position at which the disc is paused, press PLAY button.

3. Automatic Search

1. Press the NEXT button. (Operable with the remote control unit)
- Press the button more than once to move ahead to the beginning of subsequent tracks.
- When the NEXT button is pressed during random playback, the next track is selected at random and played.
2. Press the PREV. button. (Operable with the remote control unit)
- Press the button more than once to move back to the beginning of previous tracks.

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PLAYBACK

4. Finding the desired spot while listening to the sound (Remote Control unit only)
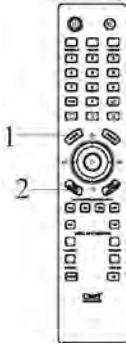
Use this function to skip forward or backward while listening to the sound. This function comes in handy for finding the desired spot in the middle of long tracks.

1. During Playback, press and hold in the ◆ button.
   - When the button is released, normal playback resumes from that point.
2. During playback, press and hold in the ◆ button.
   - When the button is released, normal playback resumes from that point

5. Playing the tracks in the desired order (Remote control unit only)
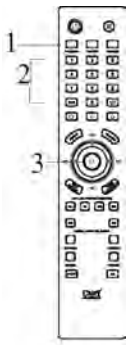
[Programmed play] Use this function to select the desired tracks on the disc and play them in the desired. Up to 35 tracks can be programmed.

1. In the stop mode, press the PROGRAM button.
2. Press the number to select the track to be programmed.
   - For example, to program the 3rd track and 9th track, Press PROGRAM, 3 and PROGRAM, 9.
3. Press the PLAY button.
   - The tracks are played in the programmed order.

6. Playing the tracks in random order (Remote Control unit only)

[Random play] Use this function to play all the tracks on the disc once in random order.

1. In the stop mode, press the RANDOM button.
   - The "Random" indicator lights.
   - A track is selected automatically and playback starts.
   - To cancel random playback, press the RANDOM button in the stop mode, Normal playback resumes.

PLAYBACK

**7. Repeat play** (Remote control unit only)

Playing all the tracks repeatedly.

1. In the PLAY mode, press the REPEAT button twice.
   - The "RepAll" indicator lights.
   - To cancel the all-track repeat mode, press the REPEAT button three times.

Playing a single track repeatedly.

1. During playback, press the REPEAT button once.
   - The "Rep-1" indicator lights.
   - To cancel the one-track repeat mode, press the REPEAT button four times.

8. To display text (Super Audio CD only)
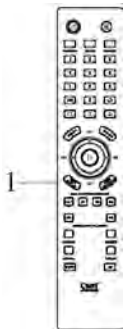
With Super Audio CD that contain text information, the text information included on the disc can be displayed while in the stop or play mode.

1. Press the TEXT DISPLAY button (text display in the stop mode).
   - The album title scrolls on the display.
2. Press the PLAY button (text display in the play mode).
   - The title of the currently playing track scrolls on the display.
   - When the track is switched while the track title is being displayed the title of the new track is scrolled.
   - "NO TEXT" is displayed if the TEXT DISPLAY button is pressed when a disc that does not contain text information is loaded.

PLAYBACK

USING THE CD 306 SACD PRO AS A DIGITAL TO ANALOG (D/A) CONVERTER

Select "AES/EBU", "COAXIAL" or "TOSLINK" button.
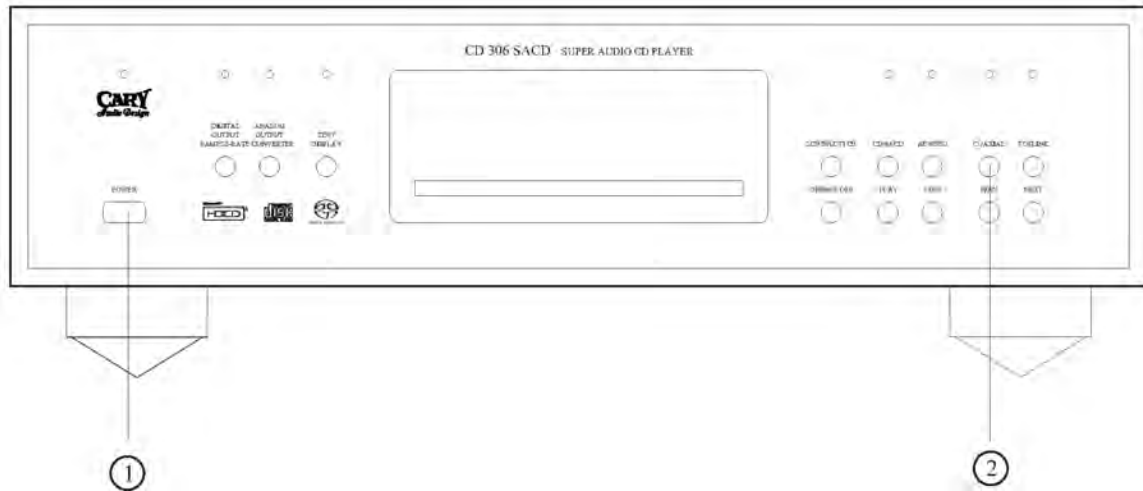
1. Press the POWER button to turn on the power.

2. Press the COAXIAL button.

3. COAXIAL D-IN : NONE
     D-OUT: NONE A-OUT: NONE

   Analog Out is the first to appear on the display, then the external digital inputs sampling frequency appears. (Example: External digital inputs sampling frequency is 192kHz)

   COAXIAL D-IN : 192k
     D-OUT: 192k A-OUT: 192k

   * Digital input signal can be output in digital format and analog format.
   * Only linear PCM signals with a sampling frequency of 32kHz, 44.1kHz, 48kHz, 88.2kHz, 176.4kHz or 192kHz can be played on this set. Do not input any digital signal other than linear pulse code modulation (PCM) signals. (CD-ROM, Dolby Digital, DTS signals, etc.) Doing so will generate output noise that could damage the speakers.
   * When the digital sampling frequency is switched, the muting circuit is activated for 1 or 2 seconds, so the sound will stop momentarily and then start again each time the digital sample rate is changed.

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SERVICE AND CARE

CARE AND CLEANING

The cabinet housing and front panel of the CD 306 SACD Pro may be cleaned with a soft cloth and Windex or a window cleaner. The frequency of cleaning will be governed by how many hours the CD 306 SACD Pro is operated and by operating environment cleanliness.

FACTORY SERVICE

Careful consideration has been given to the design of your CD 306 SACD Pro processor to keep maintenance problems to a minimum. Any problems or requests for service should be referred to our Customer Service Department at 919-355-0010. DO NOT return the CD 306 SACD Pro to the factory without a return authorization number (RA) from the Customer Service Department.

Cary Audio Design will assume no responsibility if the shipping company refuses to pay for damage due to your improper packing or lack of insurance should the unit be lost or damaged in shipment. Please retain and always use the original shipping carton for shipping the player.

NON-WARRANTY REPAIRS

Cary Audio Design will provide repair service for its products charging on a time and expense basis. At this time, the standard non warranty service bench fee is $125 with all parts used for repair charged extra. This may change and is not a quote for service. Please call us at 919-355-0010 for more information about out of warranty service and repair fees.

CAUTION
- Never remove or insert the back panel AC plug when the unit is on or the AC cord is plugged into the wall.

LIMITED WARRANTY

Cary Audio Warrants to the original United States purchaser for use in the United States the Following Cary Audio Products for the Periods Indicated:

1. Power Amplifiers, Integrated Amplifiers, Surround Sound Processors, and Preamplifiers have a three (3) year parts and labor warranty from the date of the original purchase from Cary Audio.
2. CD or SACD players, DVD players, or Music Servers have an eighteen (18) month parts and labor warranty from the date of the original purchase from Cary Audio.
3. Vacuum tubes, if any are used in the component, are offered a 90-day exchange policy against defects with the exception of the CAVT 300B vacuum tube that has a one (1) year exchange policy from the date of the original purchase from Cary Audio.

What is Covered and What is Not Covered

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
   a. Accident, acts of nature, misuse, abuse, neglect or unauthorized product modifications
   b. Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
   c. Repair or attempted repair by anyone not authorized by Cary Audio to repair the product.
   d. Any shipment of the product (claims must be presented to the carrier).
   e. Any cause other than a product defect.
2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product, on which the serial number has been defaced, modified or removed.
4. Batteries.
5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
6. Warranty is void if purchase was made from anyone other than an authorized Cary Audio dealer.

Who May Enforce the Warranty?

This warranty extends to products purchased directly from Cary Audio or an authorized Cary Audio dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

To obtain such warranty service, the original purchaser must complete and send in the Warranty Registration Card within 15 days of purchase.

LIMITED WARRANTY

What Will We Pay For?

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

How You Can Get Service?

In the event that the owner needs to return the unit to Cary Audio for service or repair of a possible defect, he must follow the following steps:

1. Contact Cary Audio at 919-355-0010 to obtain a Return Merchandise Authorization (RMA) number prior to shipping; include this number with the package
2. Submit a copy of the original sales receipt; blank receipts will not validate the limited warranty for service by Cary Audio. The original sales receipt must contain the following information:
    a. The authorized Cary Audio dealer's name
    b. The date of purchase
    c. The unit's sales price
    d. The buyer's name and address
    e. Describe in detail the problem.
    f. Note the unit's model number and serial number.
3. Deliver by either of these methods:
    a. With all freight and insurance charges prepaid and in its original packing container or equivalent, ship the component to Cary Audio, 1020 Goodworth Drive Apex, NC 27539.
    b. Hand-deliver the product to Cary Audio (address noted above) or the nearest authorized service facility.

Limitation of Implied Warranties

All implied warranties, including warranties of merchantability and fitness for particular purchase, are limited in duration to the length of this warranty.

Exclusion of Damages

Cary Audio's liability for any defective product is limited to repair or replacement of the product at Cary Audio's option. Cary Audio shall not be liable for damage to other products caused by any defects in Cary Audio products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

LIMITED WARRANTY

How State Law Relates to the Warranty

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

International Purchasers (Export Markets)

Cary Audio warrants its merchandise to purchasers within the United States exclusively for use within the United States. It provides no other warranties, expressed or implied. If you are living outside of the United States, please consult your local dealer or distributor to determine the details of your local warranty.

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