CARY
Audio Design

CD - 303

HDCD COMPACT DISC PLAYER
OPERATING MANUAL

HDCD®

NOTE:
Before installing your new CD-303, please read this manual carefully as it will inform you of the CD-303's specifications, proper installation procedures and operation procedures. Also included in this manual are guidelines on how to properly service and care for your new CD-303.

SPECIFICATIONS

Operating the CD-303 HDCD Compact Disc Player is a simple procedure, since each unit is designed for long term stability in virtually any home operating situation. Therefore, 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 Cary Audio Design CD-303 in operation. The following definitions are applicable to this manual. These definitions must be followed explicitly.

1.1 Specifications

The following section describes the CD-303 basic specifications. Specs are subject to change without notice or obligation.

CD Mechanism	Philips CDM12
Master Clock Jitter	Below measurable levels
Digital Filter	Pacific Microsonics PMD-100 with HDCD decoding
Digital / analog converters	(2) Burr Brown PCM1704u
Analog Filter	3rd Order Bessel
Analog Outputs	Balanced XLR , Single – Ended RCA
Frequency range	2 Hz - 40 kHz
Amplitude linearity	0.1 dB (20Hz - 20kHz)
Phase linearity	3°(20 Hz - 20 kHz)
Dynamic range	112dB (1kHz)
Signal-to-noise ratio	120dB (1kHz)
Channel separation	108dB (1kHz)
Total harmonic distortion	0.0008% (1kHz)
Audio output level	2.6Vrms
Power Input	Reconfigured at factory 100-120/200-240 VAC, 50-60 Hz
Power Consumption	28 Watts

INSTALLATION

This section describes the unpacking and installation procedures for the CD-303 player.

WARNING
MAKE NO ATTEMPT TO PUT THE CD-303 PLAYER IN SERVICE WITHOUT
THE TOP COVER ATTACHED – CONTACT WITH VOLTAGE IN THE
CD-303 PLAYER CAN BE FATAL !!!!!

2.1 Unpacking

All shipping containers have been specifically 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 damage is found after visual inspection, take care not to destroy the evidence. If necessary, document the damage with photographs and contact transport carrier immediately.

Carefully remove your CD-303 CD Player from its packing carton, and examine it closely for signs of shipping damage. It is recommended to save all original packing cartons to protect your CD Player from damage should you wish to store it or ship it for after-sales service.

2.2 Placement

In general, the location of your new CD-303 is not critical. Certain precautions must be taken to ensure optimum performance. Avoid extremely hot, locations such as near radiators or other heating units. Keep the top of the CD-303 clear of books, paper .or other equipment to protect against overheating!! DO NOT place your CD-303 in a closed book case – overheating will damage the CD Player! Allow 8 to 10 inches above the unit for proper ventilation.

2.3 Power Requirement

The CD-303 is designed to operate from house current mains. The design voltage is
100-120V / 200-240VAC, 50-60 Hz.

2.4 Connections

Digital Outputs :
These outputs supply digital signal and can therefore only be connected to input which is suitable for the signal.
Analog Outputs :
Connection to the CD or AUX input jacks of a preamplifier.

OPERATION

Signal output connection is made via the output jacks on the rear of the CD-303 located on the rear panel. The interconnect cables to the input of the preamplifier or D/A processor can be any convenient length your set-up requires. The choice of a high quality interconnect cable is important. Once again, your audio dealer will have the proper cables in stock for this purpose.

3.1   Operation

Your new CD-303 is ready for operation after interconnect cables have been installed.

3.2   Power On and Stand-By Mode

When your CD-303 is connected to the power supply, the unit will switch to the Stand-By mode automatically. This is a most convenient feature for users to turn the power on by using remote control.

3.3   Front of player

POWER: Switching on and off.

REMOTE SENSOR: Receives the signals from the remote control.

DISPLAY: Gives information on the functioning of the player.

PLAY: Starting play.
          Interrupting play
          Resuming play

STOP: Stopping play.

PREV. and NEXT: Selecting another track during play.
                          Selecting a track to start play with.

OPEN / CLOSE :   Opening and closing the CD compartment. The compartment also closes when the front is pressed briefly.

1 - 0 DIGIT KEYS :
- Selecting another track during play.
- Selecting a track to start play with
- Selecting tracks when compiling a program

PROGRAM : Presets tracks to be played by keying in track nos.

DELETE : Clears a program.

CLEAN: Clears the last track no. during programming.

REPEAT: Repeating play.

TIME : Displays the remaining time of a track.
        Displays the total remaining time of a disc.

4
Starting play.
Playing a program.

9 :
Selecting another track during play.
Selecting a track to start play with.
Selecting tracks when compiling a program.

<
Stopping play.

7 8
Fast search for a passage

□□
Interrupting play.
Resuming play.

⨉
Muting sound.
Resuming sound.

Open/Close
Opening and closing the CD compartment.

⏻

Switching the power on and off.

CD, AES/EBU,COAXIAL,TOSLINK
Digital input selecting.

DIGITAL
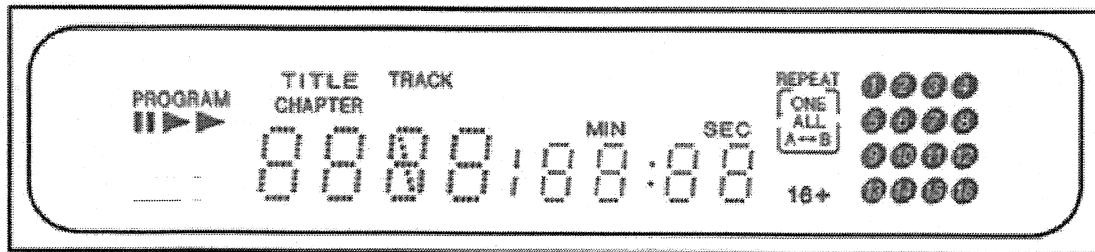Digital sample rates output select.

3.5　LED Indicators

POWER LED
LED above the power button illuminates when the player is switched off (stand-by mode).

HDCD LED
LED above the HDCD logo illuminates automatically when HDCD signal is detected from a disc.

3.6　Display

PROGRAM :
Lights up when a program is being played.
Blinks when compiling a program.

TRACK: Indicates
- what track is being played;
- the number or tracks on the CD or in a program.

TRACK TIME:
Indicates the elapsed playing time of the track being played.

REMAINING TIME:
Indicates the remaining time of the CD or a track being played. A ' - ' sign is shown in front the time.

REPEAT:
Lights up when you repeat a CD or program. Selection of repeating 'One' or 'All' is possible by pressing the 'REPEAT' button on the remote.

DISPLAY MESSAGES:
NO DISC　　　Lights up when there is no CD in the CD compartment
OPEN　　　　Lights up when opening the CD compartment.
CLOSE　　　　Lights up when closing the CD compartment.

3.7 Normal Playback

- Press POWER or ⏻ on the remote
- Open the CD Compartment by pressing OPEN/CLOSE
- OPEN lights up.
- Insert an audio CD, printing side up and close the compartment.
- CLOSE lights up, the number of tracks and the playing time of the CD are shown on the display.
- Press the PLAY or 4on the remote to start play.
- The number indicator shows how many tracks on the CD; when a track has been played, its number disappears.
- The track being played blinks and its elapsed playing time is shown.
- Play will stop after the last track.
- Press POWER or ⏻ on the remote to switch the player off.
- You can interrupt playback by pressing PLAY or □□ on the remote.
- You can restart play by pressing PLAY or 4or □□ on the remote.
- You can stop playback by pressing STOP, OPEN/CLOSE or < on the remote.

3.8 Selecting Another Track During Play (1-10)

Key in the desired number
The music stops and a moment later the selected track begins to play. You can also select the number by pressing 9 : (less than 0.5seconds).

3.9 Searching For a Passage During Play (7 8on the remote)

- Press 7 to search backwards to the beginning.
- Press 8 to search forwards to the end.
The searching speed is determined by how long a key is pressed:
- The first 2 seconds fairly slowly, with sound;
- Then at the maximum speed, with no sound.

3.10 Starting with a Particular Track (1-0)

- Key in the desired number
- Play starts from the selected track automatically.

You can also select the number by pressing 9 : (less than 0.5 seconds).

3.11   Repeating Play (repeat)

REPEATING A TRACK:
- Press REPEAT before or during playback.
- REPEAT ONE Lights up; the track will be repeated continuously.
- REPEAT ALL Lights up; the disc will be repeated continuously.
- Press REPEAT until the indicator goes off to stop the track being repeated.

3.12   Programming

- Press PROGRAM once on the remote; PROGRAM indicator on the display will blink indicating the program mode is now entered.
- Key in track nos. in sequence to be played.
- Press either CLEAN or DELETE to edit input or cancel the program.
- When programming completed, press PLAY or 4 on the remote to start playing the programmed tracks.

3.13 Break- In Period

The micro-components, capacitors and output transformers take approximately 100 hours of music playing to fully settle in for peak performance. The CD-303 will seem sterile or thin sounding right out of the box. After the first couple of hours you will notice increased depth and tighter bass. This break-in period defies all engineering theory, but is true with most audio equipments.

WARNING
MAKE SURE PLAYER IS UNPLUGGED FROM AC MAINS BEFORE SERVICING

SERVICE AND CARE

4.1   CD-303 Care and Cleaning

The housing and front of the CD-303 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-303 is operated and by operating environment cleanliness.

4.2   Factory Service

Careful consideration has been given to the design of your CD-303 HDCD compact Disc Player to keep maintenance problems to a minimum. Any service problems should be made to our Customer Service Department phone number (919)481-4494. DO NOT return the CD-303 to the factory without a return authorization number from the Customer Service Department.

Cary Audio Design, Inc. will assume no responsibility if the transportation company refuses to pay a damage due to your improper packing or lack of insurance should the unit be lost or damaged in shipment.

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WARNINGS
MAKE NO ATTEMPT TO PUT THE CD-303 IN SERVICE WITH THE BOTTOM PLATE REMOVED. CONTACT WITH POWER SUPPLY SECTION FOUND IN THE UNIT CAN BE FATAL!! COMPLETELY REMOVE AC POWER PLUG FROM THE WALL BEFORE SERVICING OF THE PLAYER.

CAUTIONS
NEVER REMOVE / INSERT PLUG WHEN UNIT IS ON OR THE AC POWER SWITCH IS IN THE ON POSISTION.

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!! OBSERVE DIRECTIONS IN THIS MANUAL!!

UNITED STATES LIMITED WARRANTY

Cary Audio Design, Inc. warrants to the original United States purchaser for use in the United States, that this product shall be free from defects in material (except tubes and AF output transistors) or workmanship for three (3) years from the date of the original purchase.

During the warranty period, Cary Audio Design or an authorized Cary Audio Design service facility will provide free of charge both parts (except tubes and AF output transistors) and labor necessary to correct defects in material or workmanship.

To obtain such warranty service, the original purchaser must:

(1) Complete and send in the warranty Registration Card.
(2) Notify Cary Audio Design as soon as possible after the discovery of a possible defect:
    (a) The model number and serial number;
    (b) The identity of the seller and the approximate date of purchase;
    (c) A detailed description of the problem, including details on the electrical
        connection in the associated equipment and the list of such equipment.
(3) Deliver the product to Cary Audio Designs or the nearest authorized service facility,
    or ship the same in its original container or equivalent, fully insured and the shipping charges prepaid.

Correct maintenance, repair and use are important to obtain performance from this product. Therefore, carefully read the Instruction Manual. This warranty does not apply to any defect that Cary Audio Design in its sole discretion determines is due:

(1) Improper maintenance or repair, including the installation of parts or accessories that does not conform to the quality and the specifications of the original parts.
(2) Misuse, abuse, neglect or improper installation.
(3) Accidental or incidental damage.

WARRANTY DISCLAIMER

Except for the express warranties stated herein, Cary Audio Design disclaims all other warranties including, without limitation, all implied warranties of merchantability and fitness for a particular purpose.

EXCLUSIVE REMEDY

Notwithstanding the foregoing, the purchaser's exclusive remedy for any breach of warranty, express or implied, is limited to the repair or replacement of the defective unit or the refund of the purchase price, at the option of Cary Audio Design. Under no circumstances is Cary Audio Design liable for incidental or consequential damages. Any implied warranties imposed by law terminate one (1) year from the date of purchase.

FOREIGN PURCHASERS

Cary Audio Design warrants its merchandise to purchasers in the United States for use in the United States. It provides no other warranties. If you are a foreign purchaser, consult with your dealer to determine whether your dealer provides any warranty.

The foregoing constitutes Cary Audio Design's entire obligation with respect to this product, and the original purchaser and any user or owner shall have no other claim for incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you.

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

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