3-750-609-21 (1)

SONY

Compact Disc Player

Operating Instructions



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To prevent fire or shock hazard, do not expose the unit to rain or moisture.





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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 the receiving antenna

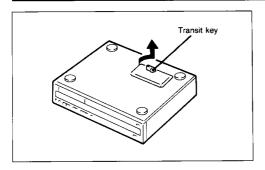
- Relocate the equipment with respect to the receiver
- Move the equipment away from the receiver
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems".

This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Note on the Transit Key



The white transit key on the bottom exterior of the unit protects the optical system against shock during transportation. Before operating the CD player, be sure to remove the key by following the instructions on the label, and store it in a safe place.

When transporting the unit, replace the key in its original hole and lock it in place.

Owner's Record

The model and serial numbers are located at the rear. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. — Serial No. — — —

Introducing This CD Player

The 8 TIMES OVERSAMPLING, 18 BIT DIGITAL
FILTER compact disc player (DUAL D/A
CONVERTER SYSTEM) is equipped with a 5 discs
tray which allows you to choose from a large number
and wide variety of selections

 Any disc at any time can be played using the DISC 1 to 5 buttons on the unit and on the remote commander.

Making your disc custom-made – CUSTOM FILE function

You can assign a name to a disc, such as the title of the disc or the date of purchase.

- Disc memo (page 15)

You can store the programmed playing order for a disc.

- Program bank (page 14)

· Editing your own tapes

You can fade in or out the play when making your own tape recording.

Differences by Model

This instruction manual covers the CDP-C700 and the CDP-C800. Their performance and operation is identical except for the following:

- CHECK, CLEAR, and TRACK buttons are available for operation on the main unit of the CDP-C800. (CHECK, CLEAR, and TRACK buttons functions can only be operated from the remote commander of the CDP-C700.
- LINE OUT/PHONE LEVEL control can be operated with the remote commander of the CDP-C800.
- An optical output is equipped only for the CDP-C800.
 The illustrations used in this manual are of the CDP-C800.

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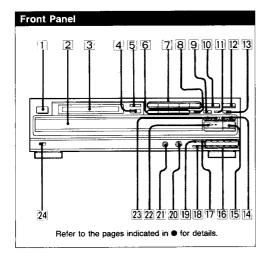


This indicates a function operated only from the remote commander.

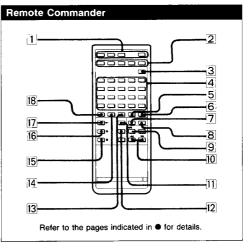


This indicates a function operated only on the main unit.

Location and Controls



- 1 POWER switch 6
- 2 Disc tray 6
- 3 Display window 6
- 4 Remote sensor
- |5| TIME/MEMO button @
- 6 PLAY MODE buttons
 BANK button
 - PROGRAM button
 - SHUFFLE button 9
- CONTINUE button (9)
- 8 REPEAT button 10
- 9 FILE (custom file) button (
- | ERASE (memory erase) button
- 12 DISC SKIP button 6
- 13 FADER (fade in/fade out) button (8)
- 15 (stop) button 6
- 16 TRACK buttons (CDP-C800 only)
- 17 CLEAR (program clear) button ((CDP-C800 only)
- 18 > 10 (over 10) button (CDP-C800 only)
- 19 CHECK button (CDP-C800 only)
- 20 HEADPHONES LEVEL control 6
- 21 HEADPHONES jack
- 22 >II (play/pause) button 6
- 23 ₩ ₩ (AMS*) buttons 3
- 24 TIMER switch
- * AMS is the abbreviation of Automatic Music Sensor.



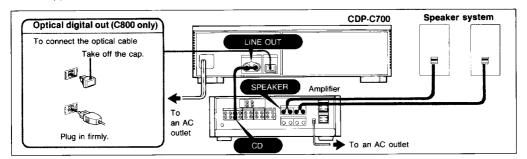
- 1 PLAY MODE BUTTONS
 - PGM (program) button 🕦
 - SHUFFLE button 9
 - CONTINUE button

 BANK button
 - BANK button 🕡
- 2 DISC 1 5 buttons (3)
- 3 DISC SKIP button 6 TRACK buttons 6
- 4 THACK BUTTONS
- 5 FILE (custom file) button (
- 6 ERASE (memory erase) button (6)
- TIME button ?
- 8 REPEAT button (
- 9 ₩₩ AMS buttons 3
- 10 ← ► (manual search) buttons (3)
- FADER (fade in/fade out) button (8)
- [12] LINE OUT VOLUME (line out/headphone volume) buttons (CDP-C800 only)
 - 13 CLEAR (program clear) button (2)
- 14 CHECK button
- 15 (stop) button 6
- 16 II (pause) button 6
- 17 > (play) button 6
- 18 >20 (over 20) button (8)

Connecting the CD Player

Notes on Connection

- . Turn off the power of each unit before making connections.
- · Connect the AC power cord last.
- Be sure to insert the plugs firmly into the jacks. Loose connection may cause hum and noise.
- · Leave a little slack in the connecting cord to allow for inadvertent shock and vibration.
- Cord plugs and jacks are clock coded: Red plugs and jacks are for the right channel (R) and white ones for the left channel (L).



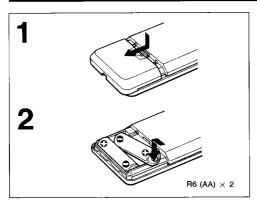
Note on FIXED and VARIABLE LINE OUT (CDP-C800 only) Normally connect the cable to FIXED. When you connect the unit to a power amplifier, connect the cable to VARIABLE and control the volume with LINE OUT/PHONE LEVEL control. Also when you connect the unit to the pre-amplifier, connect the cable to VARIABLE. You can adjust the volume easily. You can control the volume with the remote commander when you use the headphones or connect the cable to VARIABLE.

When you use the VARIABLE LINE OUT (CDP-C800 only) Output level can be adjusted with the LINE OUT/PHONE LEVEL control. If the LINE OUT/PHONE LEVEL control is tuned while recording, the recording level will change even though it is preset on the tape deck.

Note on optical digital out (CDP-C800 only)
Connect the optical out to the amplifier with the optical input or D/A converter. When you connect, use the connecting cable for optical out POC-15 (optional). When the optical out is connected, you cannot use fade out, fade in and time fade function.

Preparing the Remote Commander

Installing Batteries

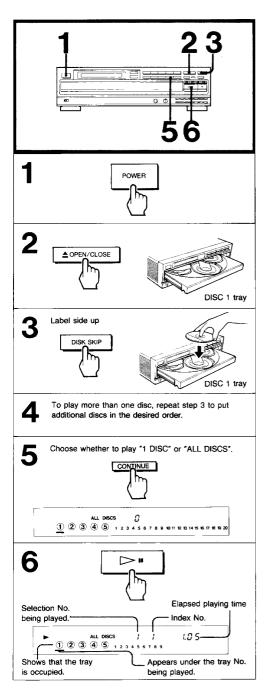


On battery life

- About half a year of normal operation can be expected when using the Sony SUM-3(NS) batteries.
- When the batteries are run down, the remote commander will not operate the unit. In this case, replace both batteries with new ones.

Notes on the remote commander and remote control operation

- Keep the commander away from extremely hot or humid places.
- Avoid dropping any foreign objects into the commander casing, particularly when replacing the batteries.
- Avoid exposing the remote sensor to direct sunlight or lighting apparatus. Such exposure can cause a malfunction
- To avoid damage caused by battery leakage and corrosion, remove the batteries when the commander will not be used for a long time.



Before playing a disc, turn on the amplifier and set the input selector to the CD player position.

To stop play

To stop for a moment during play, press ▶II (or II on the remote commander). Press again to resume play. To stop play, Press ■.

To stop play and open the tray, press .

When you use with the stereo system

Turn on the amplifier, and select "CD" of the input selector to listen to the compact disc player.

Caution on adjusting volume

Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do the speakers may be damaged when a peak level portion is played.

When you listen with the headphones

Connect the headphones and control the volume with LEVEL control.

Notes

- The tray number of an empty tray will be displayed until the empty tray number is set to play. Once they are recognized empty, they will disappear.
- Place an empty tray in the front loading position, and put the disc in it

If you insert the disc into a tray other than the one in the front, the unit may not be able to find the disc. Be sure to use DISC SKIP to rotate to the next empty tray.

Notes on handing discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- . Do not stick paper or tape on the disc.

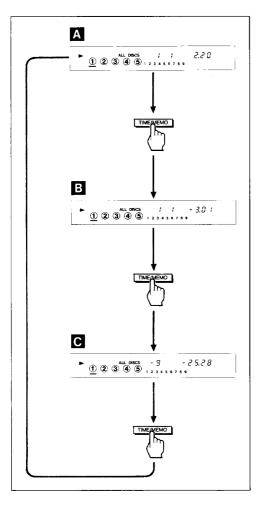




- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as there can be a considerable rise in the temperature.
- After playing, store the disc in its case.

To play an 8cm (3-inch) CD

Place it on the inner circle of the tray. If the disc is provided with an adaptor, first remove it. Do not put a normal CD (12cm/5-inch) on top of an 8 cm CD.



Information display

If you press ≜ or the compartment itself to close the compartment, the total number of selections and the total playing time of the disc to be played are displayed for a few seconds.

Each time you press TIME/MEMO (or TIME on the Remote Commander) during play, the display changes to give you the following information.

- Elapsed playing time of the selection (automatically displayed when play begins)
- B Remaining time in a selection If the current selection number is over 20, "----" will be displayed.
- © Remaining time and remaining selections of the disc

If you have stored a disc memo

The stored disc memo will be displayed following the display of the © Remaining time and remaining selections of the disc.

Note

Total remaining time is only available during CONTINUE mode. Total remaining time will not be displayed by pressing the TIME button during PROGRAM or SHUFFLE mode or BANK mode.

If a disc contains more than 20 selections

appears in the display window instead of the total number of selections.

Selecting a Desired Disc

By using the DISC selectors or the DISC SKIP button during play, you can locate the beginning of any disc.

To select a particular disc	Press the corresponding DISC 1 to 5 button.	
To move to the disc tray next to the current one	Press DISC SKIP.	

Locating a Particular Selection

Locating a selection in sequence (Automatic Music Sensor)

You can locate the beginning of a selection on the disc being played.

To locate the beginning of the selection being played	Press ₩ once.
To locate the beginning of the next selection	Press ➤ once.

Continue to press until the selection you wanted has been located.

To locate directly

Press one of the numeric buttons (1 to 20) to enter the desired selection number.

If a selection number is greater than 20, use the $\boxed{>20}$ and $\boxed{1}$ to $\boxed{10}$ buttons. $\boxed{10}$ functions as the figure 0. e.g. To play from selection No. 22 Press $\boxed{>20}$

To play from selection No. 30 Press >20 3 10 (Function operatable only from the remote commander for CDP-C700 models.)

Press > 10 instead of > 20 when using the buttons on the front panel of CDP-C800.

Locating a Particular Point in a Selection

You can locate a particular point in the disc during play.

To search quickly while monitoring the sound To go ahead at high speed

Keep ▶ pressed during play and release at the desired point.

To go back at high speed

Keep \blacktriangleleft pressed during play and release at the desired point.

To search quickly by observing the display

Press II then keep **▶** or **◄** pressed. The search speed will increase, but there will be no sound. Find the desired point by observing the display.

Press II again at the desired point.

Fading in/Fading out

You can have the play fade in and fade out for 5 seconds.

To end the play fading out

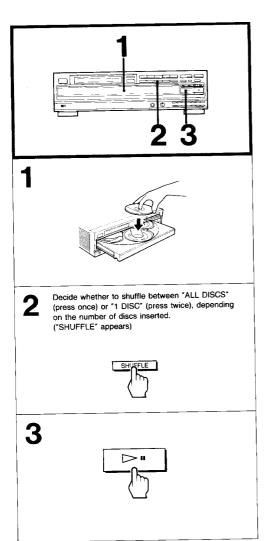
Press FADER when you want to start fading out.

" II " flashes in the window, and play fades out for 5 seconds and enters the pause mode.

To restart the play fading in

Press FADER. " > " flashes in the window, and play fades in for 5 seconds.

Playing in a Random Order - Shuffle Play



You can have the selections played in a random order (up to 99). The unit will play all the discs or just disc (s) you desire.

Once a selection is played, it will not be played again until the random order is completed.

To stop playing

Press .

To cancel shuffle play

Press CONTINUE and return to the normal playing mode.

To play only the desired discs in a random order - Select Shuffle Play

Select the desired discs before play.

To select a desired disc during "1 DISC" Select Shuffle Play

Press the desired DISC 1-5 buttons and play. A circle will appear around the selected disc.

To select the desired discs during "ALL DISCS" Select Shuffle Play

Press the desired DISC 1-5 buttons. Circles appear around the selected discs. When Select Shuffle Play ends, the unit will return to the shuffle play mode for all discs.

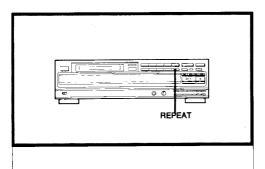
If you press SHUFFLE during play
Shuffle play begins from the current selection.

EJ

What is this indication?

This indication appears white the player is "shuffling" the selections.

Playing Repeatedly - Repeat Play





Press REPEAT before or during play. "REPEAT" appears.

Repeating Selections

The unit repeats on the current playing mode. (Repeats all selections of all discs for ALL DISCS play and ALL DISC SHUFFLE play.

Repeats all selections on the disc for 1 DISC play and 1 DISC SHUFFLE play.

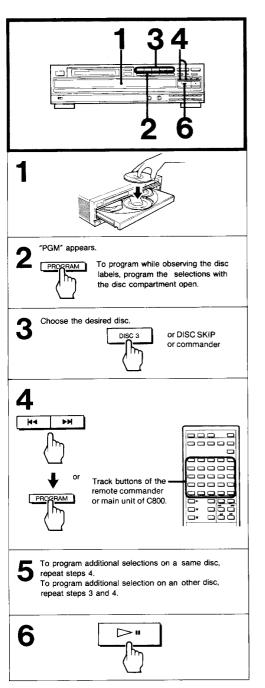
Repeats selections in the programed order for PGM play and PGM BANK play.)

To cancel repeat play

Press REPEAT again. "REPEAT" disappears.

If you designate repeat play during Select Shuffle Play, repeat play of all the discs will start upon the completion of the Select Shuffle Play.

Playing in a Desired Order - Program Play



You can make a program by designating up to 32 selections in the order you want them to be played. The unit will play the disc according to your program.

To return to normal play mode

Press CONTINUE.

To stop program play

Press .

To resume play, press ▶ . Play begins from the beginning of the program.

Skipping to the next selection programmed Press ▶ during play.

Going back to the beginning of the selection being played Press I◀ during play.

To program a whole disc under a single program number

Simply skip step 4. The TRACK indicator will show "AL", which means that all the disc have been programmed under a single program number.

Adding selections to a program during program play

To add a selection, press the TRACK selectors which correspond to the selection number you want to add while the unit is in the play or pause mode.

(TRACK button available on remote commander only for CDP-C700)

To add a whole disc, press the DISC selector which corresponds to the disc number you want.

Display on step 3:



The program will be cleared in the following situations

- **≜** is pressed.
- · Power is turned off.
- · Select other play modes.

Programming while checking the total playing time of the programmed selections

When a selection (or an entire disc) is added to the program (after step 4), press TIME/MEMO. While the total playing time is checked, the time display blinks. The total playing time of the selections currently included in the program will then be displayed. The total time will disappear after approx. 4 seconds. You can then continue programming even while the total time is still displayed. If selections numbered 21 or higher is programmed, "---" will appear.

Example:	1 hour
PGM ① ② ③ ④ ⑤	118.34

Note

If you press PROGRAM during ALL DISC play, 1 DISC play or SHUFFLE play, the selection currently being played will be programmed as the first selection of the program.

Spacing between selections in a program

When consecutive selections from one disc are programmed in sequence, the original interval between selections will be retained. When the program must change from one disc to another, there will be a pause of a few seconds.

Checking the Programmed Selections

Press CHECK

The disc, track, and program numbers of the first selection in your program will be displayed. Each time you press CHECK, a selection will be displayed for a few seconds, in the order they have been programmed. (Function operatable only from the remote commander for CDP-C700 models.)

What is this indication?

This indication will appear when the last selection is reached while checking the selections you have programmed.

Clearing the Programmed Selections

Clearing the whole program

Press ■ once during stop, or twice during play. All the selections will be cleared.

Clearing the last selection in a program

Press CLEAR during stop.

The last selection will be cleared each time CLEAR is pressed.

(CLEAR functions operatable only from the remote commander for CDP-C700 models.)

Clearing a specific selection

- 1 Press CHECK repeatedly until the selection to be cleared is displayed.
- 2 Press CLEAR while the selection number is displayed. The selection will be cleared from the program. (CLEAR functions operatable only from the remote commander for CDP-C700 models.)

On Custom Files

The CD player is equipped with a memory which allows you to store two types of information called "custom files". Program from the 5 discs (i.e., max. 20 steps of program from each of the 5 discs) is possible when the Program Bank is used. Up to 227 discs of Custom File can be retained in the unit's memory.

The two custom files you can store in memory

Program bank	To store a program in memory so it can be played again. (page 14)
	To store a name of up to 10 letters for an individual disc. (page 15)

Memory backup for the custom files

Custom files, once memorized, are retained in the compact disc player's memory for approximately 1 month without AC power supply.

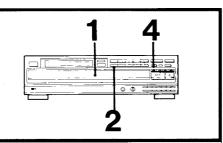
Since the memory is stored in the unit and not on the disc, you cannot perform custom file functions with the same disc on a different player.

What is this indication?

This indication appears when FILE is pressed while no custom file can be memorized for the disc currently put in the player. To make a custom file for the disc, clear the custom file of another disc.

To clear custom files of all discs at once
Press POWER to turn on the player while keeping ERASE and
FILE pressed.

Keeping the Program in Memory - Program Bank



1



2



Press BANK and the "BANK" indicator will turn on.

3

Program the selections as your desire. (see page 11: Press BANK instead of PROGRAM for steps 2 and 4.

4



"FILE" will appear in the display window and will disappear approximately one second later.

After programming selections, you can keep the program memorized, so that the disc is played always in the fixed order. The memorized program is called "program bank."

Memorizing a Program

The program is stored into the memory (20 programs can be memorized). Only one program bank can be made for a disc.

Playing the Disc Using the Program Bank

To play the disc using the program bank complete the following procedures.

First, press BANK. The "BANK" indicator will turn on. Press ≜ and insert the disc in the tray.

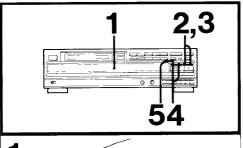
Then, press the DISC selector which corresponds to the disc you want.

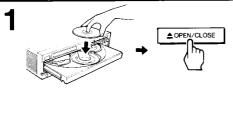
Lastly, press ▶ .

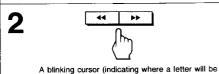
Clearing the Program Bank

- 1 Put the disc whose program bank is to be cleared in the player.
- 2 Press DISC selector which corresponds to the disc you want to clear the program.
- 3 Press ERASE "FILE CLR" is displayed and the program bank is cleared.

Assigning names to a Disc - Disc Memo Function





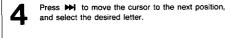


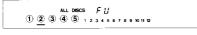
written) appears.

Press or wuntil the desired letter appears.



Example: If ▶ is pressed 7 times







"FILE" appears in the window. After a few seconds, the memo you have written will be displayed.

Using the disc memo function, you can assign a name within 10 letters for each disc. The memo appears in the window every time you put the disc in the player.

One name can be assigned for one disc.

Usable letters and symbols

For the disc memo, 46 letters and symbols and a space can be used. When the 44 / >> button is pressed for the first time, the space appears. Each time is pressed, letters and symbols will appear in the following order.

(space) A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 17 12 * [+ / 、 > < 9876543210 -

To rewrite letters or symbols

Before pressing FILE

Move the cursor under the letter/symbol to be changed and then select the desired letter/symbol using $\blacktriangleleft \blacktriangleright \!\!\!\! +$.

To erase the letter and make space, locate the desired place with ₩₩ and press CLEAR.

(CLEAR button available on remote commander only for CDP-C700.)

After pressing FILE

Repeat from step 2.

Displaying the Memos

To display the memo for the disc being played

Press TIME/MEMO twice during Shuffle, Program or Bank mode and three times during normal play.

To return to the normal display, press TIME/MEMO once more.

Clearing the Disc Memo

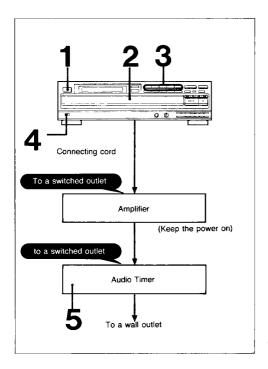
- 1 Put the disc whose memo you want to clear in the player.

The blinking cursor will appear.

3 Press ERASE.

"FILE CLR" is displayed in the window.

Timer Activated Playing



By connecting a commercially available timer, disc play can be started at any desired time.

When the timer play ends
Be sure to set TIMER to OFF.

Note

You cannot timer play in program mode.

Maintenance

Cleaning the cabinet

Clean the cabinet, panel and controls with a soft cloth lightly moistened with mild detergent solution. Do not use any type of abrasive pad scouring powder or solvent such as alcohol or benzine.

Cleaning discs

Before playing, clean the disc with the cleaning cloth. Wipe the disc from the center out.



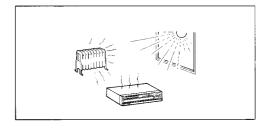
Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for analog discs.

After playing, store the disc in its case.

Installing the CD Player

Notes on Installation

- Place the unit in a location with adequate air circulation to prevent internal heat build up in the unit.
- Do not place the unit on a soft surface, such as a rug that would block the ventilation holes on the bottom.
- Do not install the unit.
- near heat sources such as radiators or air ducts.
- in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Use on level surface. Make sure that the unit is placed in a proper location before switching the power on.
- . Do not transport the unit with the discs inserted.



On moisture condensation

If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the player will not operate. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

Precautions

On Safety

- . Operate the unit only on 120 V AC, 60 Hz.
- Should any liquid or solid object fall into the cabinet.
 Unplug the unit and have it checked by qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it will not be used for a long time. To disconnect the cord, pull if out by grasping the plug. Never pull the cord itself.
- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.

On operation

When the unit is not used, turn the power off, to conserve energy and to extend the useful life of your unit.

Important

Since the CD system boasts a wide dynamic range, the peaks of high level inputs are recorded with high fidelity, and the noise level is very low.

Do not turn up the volume while listening to a portion with no audio signals or very low level inputs if you do, the speakers may be damaged when a peak level portion is played.

For detailed safety precautions, see the leaflet "IMPORTANT SAFEGUARDS".

If you have any questions or problems concerning your unit, please contact you nearest Sony dealer.

Specifications

Compact Disc Player

Frequency response 2 Hz - 20 kHz (± 0.3 dB)

Signal to noise ratio

Dynamic range

More than 105 dB

Harmonic distortion

Less than 0.003%

(CDP-C800) Less than 0.004% (CDP-C700)

More than 100 dB (C800)

Channel separation More than 98 dB (C

More than 98 dB (C700)

Outputs

LINE OUT(FIXED) Output level 2 V (at 50 (phono jacks) kiloohms)

phono jacks) kiloohms)
Load impedance over 10

kiloohms

LINE OUT (VARIABLE) (phono jacks)

Output level max 2 V (at 50 kiloohms)

(CDP-C800 only) Load impedance over 10 kiloohms

DIGITAL OUT (OPTICAL) Wave length 660 nm (optical output Output level -18 dBm

connector) (C800 only)

HEADPHONES Output level max. 15 mW (stereo phone jack) Load impedance 32 ohms

General

Power requirements AC 120 V, 60 Hz

Power consumption 12 W

Dimensions Approx. 430 imes 125 imes 385 mm

(w/h/d) Including projecting parts and controls

 $(17 \times 5 \times 5\% \text{ inches})$

Weight Approx. 6 kg (13 lbs 4 oz), net

(CDP-C800)

Approx. 5.5 kg (12 lbs 2 oz), net

(CDP-C700)

Remote Commander RM-D805/RM-D705

Remote control system Infrared control

Power requirements 3 V DC with two batteries size

AΑ

(IEC designation R6)

Dimensions $67 \times 20 \times 175 \text{ mm (w/h/d)}$

(23/4×13/16×7 inches)

Weight 141 g (5 oz) including batteries

Supplied Accessories

Connecting cord

(2 phono plugs -- 2 phono plugs) (1)

Remote commander (1) Size AA batteries (2)

Optional Accessory (for CDP-C800 only)

Audio optical connecting cord POC-15

Design and specifications subject to change without notice.

Troubleshooting Guide

The following checks will assist in the correction of most problems which you may encounter with your unit. Should any problem persist after you have made these checks, consult your nearest Sony service facility. Before going through the check list below, first refer back to the connection and operating procedures.

Trouble	Causes	Remedy
No audio from one or both channels	Incorrect operation of the amplifier	Operate correctly.
	Loose connection	Connect the cords firmly.
	The LINE OUT/HEAD PHONE LEVEL control is set to the minimum.	Turn the control clockwise.
Play does not begin.	No disc in the disc compartment	Put disc(s) in the compartment.
-	The player is in the pause mode.	Press ►II (or II on the remote commander) to release pause.
	Moisture condensation	Leave the player turned on for about an hour.
	The disc is set upside down.	Set the disc with the label side up.
	The disc is tilted.	Set the disc correctly.
	The disc is extremely dirty.	Clean the disc.
	The transit key is not removed.	Remove and store the transit key.
Discs cannot be played continuously.	Play did not start from the disc in the DISC 1 tray.	Press DISC 1 to start play.
emote commander does not operate	The batteries are exhausted.	Replace both batteries.
the unit.	The remote commander is not pointed at the remote control sensor.	Point the remote commander to the sensor.
	There is an obstacle between the remote commander and the unit.	Remove the obstacle.
	The remote commander is too far from the unit.	Move closer.
Any operation is not possible.	The internal control program may not run.	Turn OFF the power and turn it ON again.