

Compact Disc Compact Player



D-225CR

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Sony Corporation © 1993 Printed in Japan

Discman

Owner's Record

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

Model No. D-225CR Serial No. _____

WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

The use of optical instruments with this product will increase eye hazard.

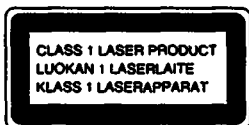
INFORMATION (For the Customers in U.S.A.)

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, uses, 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 that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the Customers in the United Kingdom



This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the bottom exterior.

For the Customers in Canada

THIS APPARATUS COMPLIES WITH THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS SET OUT IN RADIO INTERFERENCE REGULATIONS.

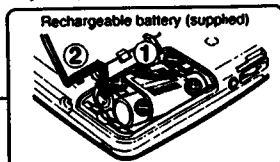
Power Sources

Using with Rechargeable Battery

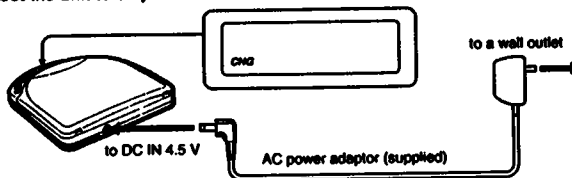
When using the supplied rechargeable battery for the first time, make sure to charge it.

Charging the battery

- 1 Insert the rechargeable battery with the side marked with "Sony Discman" facing up, as illustrated beside the battery compartment.



- 2 Set the unit to stop mode and connect the supplied AC power adaptor.



"CHG" appears in the display window. It will disappear when charging is completed.

- 3 Disconnect the AC power adaptor.

Rechargeable battery life

Charging time	CD playing
Max. 2 hours*	Approx. 2 hours

(When the unit is used on a flat and stable place.)

* The charging time varies depending on how the rechargeable battery is used


When to replace the rechargeable battery

If the operating time reduces approximately by half even if you charge it fully, replace it with a new BP-DM10 (not supplied). You cannot use BP-DM1 battery pack.

Notes on the rechargeable battery (Ni-Cd battery)

- Be sure to use the supplied AC power adaptor.
- Remember to recharge the battery after every use. Leaving the rechargeable battery discharged may shorten its life.
- When charging the battery for the first time or after being unused for a long time, playing time may reduce. In this case, charge and discharge it several times.
- Store the battery in a temperature between 5°C (41°F) and 35°C (95°F) to make it work at its best.
- Never throw the battery into fire.
- Never short-circuit the battery terminal.
- Do not disassemble the battery. If the electrolyte inside the battery should come into contact with cloth or skin, wash the contaminated objects with water immediately.

On Indication

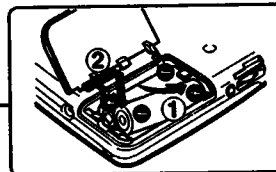
The  indication appears in the display window to show that the battery is used up when the unit operates with either the rechargeable battery or the alkaline batteries. The indicator flashes when the battery becomes weak and the operation automatically stops. Then, the indicator stays lit. In this case, charge the rechargeable battery or replace all the alkaline batteries with new ones.

Using with Alkaline Batteries

Insert two size AA (LR6) alkaline batteries according to the  and  indications in the battery compartment.



Bottom



Notes on batteries

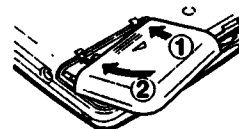
- Insert batteries with correct polarity.
- Do not use old batteries together with new ones or different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated parts in the battery compartment with a cloth and replace the old batteries with new ones.
- Do not charge the batteries.
- When the unit is not to be used for a long period of time, remove the batteries.

Alkaline battery life

When the unit is used on a flat and stable place, approx. 5 hours of continuous play is possible.

When the battery compartment lid comes off

The lid can be removed when it is pulled forcibly. If this happens, attach the lid as illustrated.



Using on House Current

Connect the supplied AC power adaptor in the same way as for charging the rechargeable battery.

When the unit is not to be used, be sure to disconnect the AC power adaptor.

For the customers whose unit is supplied with an AC plug adaptor

Use the AC plug adaptor if the AC power adaptor does not fit the outlet.

Note on the AC power adaptor

Use only the supplied AC power adaptor (for DC 4.5 V, unified polarity type). If you use any other AC power adaptors, the unit may be damaged. Do not use the AC power adaptor supplied with other "Discman" CD compact players equipped with DC IN 6V or 9V jack, nor an optional AC power adaptor for DC 6V or 9V.



Polarity of the plug
(Unified polarity type)

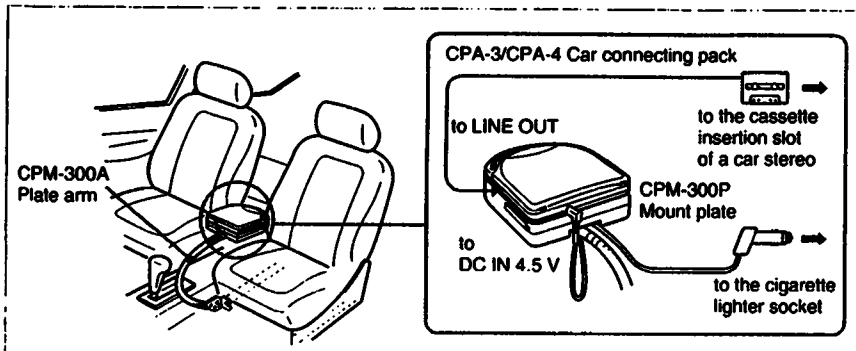
Various Ways of Using

Refer to the operating manual of each equipment for more details.

Listening in a Car

You can listen to the disc through a car cassette deck by using the following equipment (not supplied).

- Mount arm CPM-300PK (CPM-300A + CPM-300P)
- Plate arm CPM-300A
- Mount plate CPM-300P
- Car connecting pack CPA-3, CPA-4
- Mount kit CPM-300PC (CPM-300P + CPA-4)
- Mount kit CPM-300CK (CPM-300A + CPM-300P + CPA-4)



Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about the accessories in your country.

When you use the mount plate (CPM-300P)

First, attach the car mount adaptor which is supplied with CPM-300P to the mount plate, then install the CD player.

When you turn off the engine

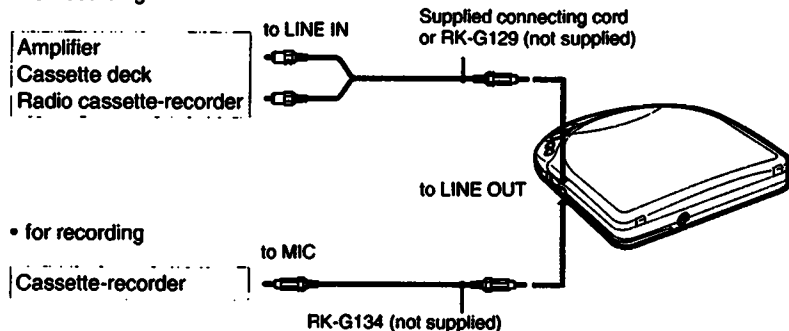
Even when the rechargeable battery or alkaline batteries are inserted in the unit, the unit stops operations when you turn off the engine of the car. (Switched ignition function)
This function is not available with every model of the car. If not, press ■ to stop operation.

Note

Any connection other than the Sony's car connecting pack may cause noise.

Connecting with Other Equipment

- for monitoring the sound through speakers
- for recording



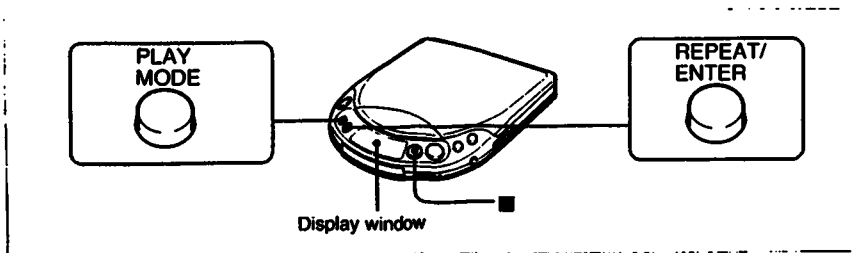
Notes on connection

- Turn off each equipment before making connections.
- Plug in the white plug to the L (left channel) jack, and the red plug to the R (right channel) jack.
- Do not connect the output from LINE OUT with the PHONO jacks of the amplifier.
- Make sure to insert the plugs of the cable firmly into the jacks. A loose connection may cause a humming noise.
- If the unit causes interference to the radio or television reception, turn off the unit or move the unit away from the receiver.

Note on adjusting the volume

You cannot adjust the output level from the LINE OUT jack with the VOL control on the unit.

Various Playing Modes



The unit has INTRO PGM play, one-track play, SHUFFLE play, RMS* (program) play modes. Each mode has normal and repeat play modes.

* RMS: Random Music Sensor

To change the mode

Press PLAY MODE during play. The current mode appears in the display window.

To play repeatedly (REPEAT play)

Press REPEAT/ENTER. "◀" appears in the display window.

Press again to cancel the repeat play.



To stop the disc

Press ■.

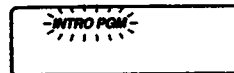
Playing the Whole Disc — Normal Play

There is no play mode indication in the display window.

To repeat the whole disc, press REPEAT/ENTER.

Playing the Desired Tracks after Listening to the Beginning of All the Tracks — INTRO PGM Play

- 1 Press PLAY MODE during play until "INTRO PGM" flashes slowly in the display window.



- 2 Press ►||. "INTRO PGM" starts flashing fast and the unit starts to play the first 15 (approximately) seconds of each track from the first track.
- 3 During 15 seconds of play, press REPEAT/ENTER if it is your desired track to enter the track in the program. When it is not your desired track, do not press any button during 15 seconds of play, or press ►|| to skip the track. Select your desired tracks in this way. After the beginning of the last track is played, "INTRO PGM" stops flashing and the selected tracks will be played automatically in the order of the track number of the disc.

To finish programming before hearing through the disc, press ►||. The selected tracks are played.

To try the programing again

Press ◀◀ to go back during programming. As the programming of the tracks returned is canceled, select the desired tracks from that point.

To repeat the programed tracks, press REPEAT/ENTER while they are played.

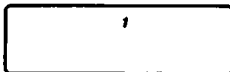
To repeat the beginning of all the tracks, press REPEAT/ENTER first and then press PLAY MODE until "INTRO PGM" flashes. Then press ►||. If you did not enter any tracks in the program, the beginning of all the tracks will be repeated.

Playing Only One Track

Press **PLAY MODE** during play until "1" appears in the display window.

The unit plays only one track and stops at the end of the track.

To play only one track repeatedly, press **REPEAT/ENTER**.

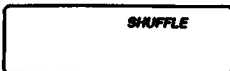


Playing the Tracks in a Random Order — Shuffle Play

Press **PLAY MODE** during play until "SHUFFLE" appears in the display window.

Play starts from the next track.

To play the tracks in a random order repeatedly, press **REPEAT/ENTER**. After all the tracks have been played in a random order, they will be reshuffled and played repeatedly in a different order each time.



During shuffle play

To locate the beginning of the forthcoming tracks, press **▶▶1** repeatedly.

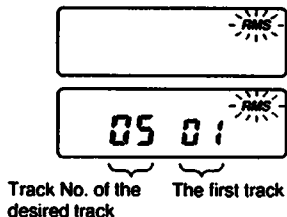
To locate the beginning of the current track, press **1◀◀**. Even if you continue to press **1◀◀**, the player will not go back to the previous track. The play starts from the beginning of the current track.

Playing the Tracks in the Desired Order — RMS (Program) Play

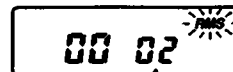
1 Press **PLAY MODE** during play until "RMS" flashes in the display window.

2 Press **1◀◀** or **▶▶1** to select the desired track.

You can program the tracks in the desired order regardless of their track numbers.



3 Press **REPEAT/ENTER**.



The 2nd (next) track

4 Repeat steps 2 and 3 (up to 22 tracks).

- If another track is memorized after 22 tracks have been memorized, the first track will be cleared and the new one will be memorized in its place.
- If you keep pressing **REPEAT/ENTER** for about 1 second, the total number and the total playing time of the programmed tracks are displayed while you are pressing **REPEAT/ENTER**. If you enter the 32nd or latter track in the disc or if the total playing time becomes more than 100 minutes, "--:--" is displayed instead of the total playing time. However, you can keep programming.

5 Press **▶11**.

"RMS" stops flashing and play starts.

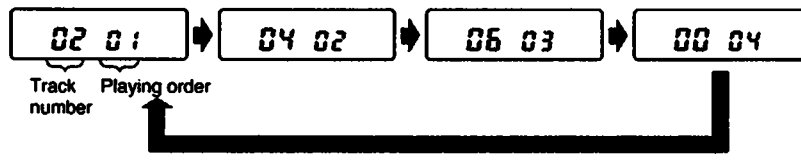
To resume normal play, press **PLAY MODE** again.

To repeat program play, press **REPEAT/ENTER**.

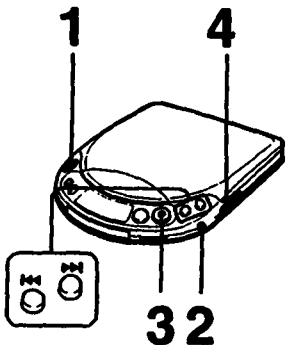
To check the contents of the program during programming

Press **REPEAT/ENTER** lightly during programming before you press **▶11**. Each time you press **REPEAT/ENTER**, the track number and the playing order appear in the display window in the programmed order.

Example: Track number 2, 4 and 6 are programmed in order.

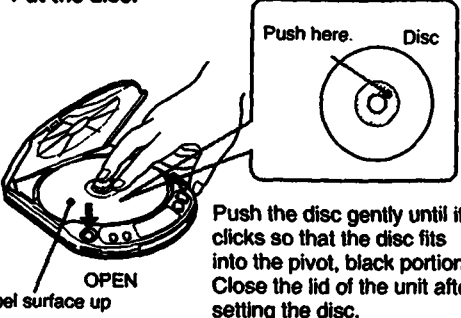


Disc Playing



1 4
3 2

1 Put the disc.



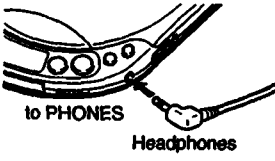
Push here. Disc

Label surface up

OPEN


Push the disc gently until it clicks so that the disc fits into the pivot, black portion. Close the lid of the unit after setting the disc.

2 Connect the supplied headphones.

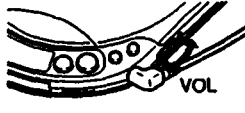


to PHONES
Headphones

3 Press I-II.



4 Adjust the volume.



VOL

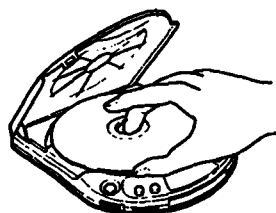
Other operations

Operation	Press
To pause	▶II Very short beeps sound until the pause is released.
To release pause	▶II Very short beep sounds once.
To stop	■ A long beep sounds. Disc playing stops and the power is turned off automatically.
To locate the beginning of the current track/previous tracks—AMS	◀◀ lightly/repeatedly. Three short beeps sound.
To locate the beginning of the next track/tracks—AMS	▶▶ lightly/repeatedly. Two short beeps sound.
To go back at high speed (Search)	Keep ◀◀ depressed.
To go ahead at high speed (Search)	Keep ▶▶ depressed.

- The unit pauses at the beginning of the located track when you press ◀◀ or ▶▶ lightly in the pause mode.
- During the program play, the AMS operates in the programmed order.
- If you do not want to hear the beeps, see "Troubleshooting Guide".

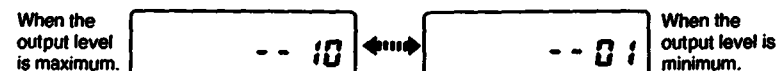
To remove the disc

Pick up the disc, holding the edge, while pressing the pivot gently as illustrated.



Adjusting the volume with the remote commander

When you adjust the volume with the LEVEL buttons on the remote commander, the output level is displayed in 10 steps.



Note

The LEVEL setting with the remote commander is memorized as long as a rechargeable battery or alkaline batteries are installed in the unit even if the AC power adaptor is removed.

To play an 8 cm (3-inch) disc

You can play it without an adaptor.

To enjoy more powerful bass sound

(When using the headphones)

Set BASS BOOST to a desired position. You can then enjoy a powerful bass-boosted sound.



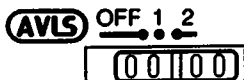
Notes

- The effect of the BASS BOOST function may be decreased according to the position of the volume control or the recording level of the disc.
- Sound may be cracked or distorted if you set the volume too high. In this case, turn down the volume.

To limit the volume at a moderate level

The AVLS (Automatic Volume Limiter System) selector allows you to limit the maximum volume of your unit.

- When the AVLS selector is set to either position 1 or 2, the volume will be kept at a moderate level, even if you attempt to turn up the volume.
- When the AVLS selector is set to either position 1 or 2, the playback sound may be distorted or unstable depending on the music (especially bass-boosted part). If this happens, turn down the volume.
- When the AVLS selector is set to OFF, you will be able to enjoy the full volume capability of your unit.



On display window

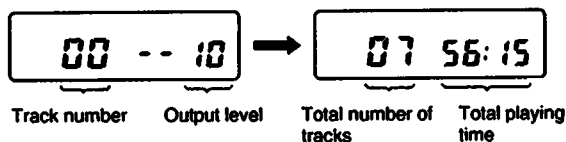
When you use the unit on the rechargeable battery or alkaline batteries, the display window is illuminated for about 5 seconds when you press an operating button (except for ■ and OPEN). If you do not want the display window to be illuminated, see "Troubleshooting Guide".

When you use the unit on the AC power adaptor or car battery, the display window is always illuminated. (The illumination goes out when you press ■ or when the disc stops.)

When you press ►|| (When RESUME is set to OFF)

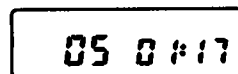
The output level appears first and then the total number of tracks in the disc and the total playing time appear for 2 seconds.

Example



During play

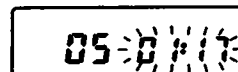
The track number and the elapsed playing time of the current track appear.



1 min. 17 sec. has elapsed from the beginning of the fifth track

During pause

The elapsed playing time of the current track flashes.



Pause mode at the point 1 min. 17 sec. from the beginning of the fifth track

Locking the Buttons

Slide the HOLD switch in the direction of the arrow to avoid accidental pressing of the buttons on the unit. When a button on the unit is pressed, "Hold" appears in the display window. You can still operate the unit with the operation buttons on the remote commander.



To Play from Where You Have Stopped — Resume play function

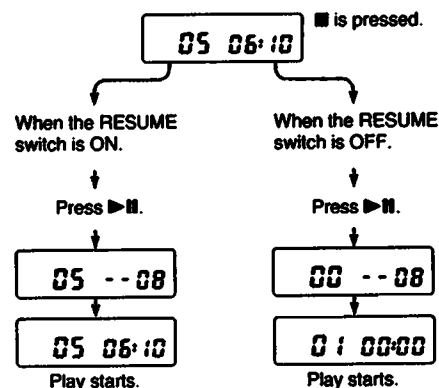
Set the RESUME switch to ON to activate the resume play function. You can resume the disc play from the point where you last pressed ■.

RESUME ON ●● OFF



Indications at the beginning of the play are as follows:

(Ex. The play is stopped when 6 min. 10 sec. of 5th track has elapsed and the output level is set to 8.)



Notes

- If you open the lid after pressing ■, the memory of the position where you pressed ■ is canceled. The play starts from the first track.
- If you remove the rechargeable battery, alkaline batteries or disconnect the external power source, resume play may start at a point approximately 30 seconds behind or ahead of the position where you pressed ■.

Troubleshooting Guide

Should any problem persist after you have made the following checks, consult your nearest Sony service facility.

Symptom	Cause and/or solution
Disc play does not start.	<ul style="list-style-type: none"> • The disc is inserted upside down or incorrectly. → Insert the disc correctly with the label surface up. • Dusty or defective disc • Dirty or dusty lens • The disc compartment lid is not closed. • Moisture condensation → Leave the unit in a warm place until the moisture evaporates. • The AC power adaptor is not plugged into the wall outlet. • The mount plate is not firmly connected to a cigarette lighter socket. • The unit is not placed on a level surface. • The HOLD switch is set in the direction of the arrow. • When the 12 cm CD, which contains many tracks, is replaced with a disc with a few tracks (such as CD single or CDV, etc.), it may take more than 10 seconds before play starts. • Weak rechargeable battery or alkaline batteries
No sound from the headphones	<ul style="list-style-type: none"> • The headphones plug is not firmly connected to the PHONES jack. • Adjust the volume. • Dirty plug
No sound from the connected speakers	<ul style="list-style-type: none"> • Check the connections. • The amplifier is not turned on.
Skipping of sound	<ul style="list-style-type: none"> • Dirty or defective disc • Dirty lens • Strong vibration
Disc play does not stop when you turn off the engine of the car.	<ul style="list-style-type: none"> • Press ■ to stop operation.
The "no disc" indication appears in the display window.	<ul style="list-style-type: none"> • Place the CD with the label surface up. • Replace the CD if it is badly damaged.
The "Hi dc In" indication appears in the display window.	<ul style="list-style-type: none"> • Use the supplied AC power adaptor.
Charging is not possible.	<ul style="list-style-type: none"> • Insert the rechargeable battery with the side marked "Sony Discman" facing up.
"Hold" appears when you press a button.	<ul style="list-style-type: none"> • The "HOLD" switch is set in the direction of the arrow.
When using with batteries, the battery life is short.	<ul style="list-style-type: none"> • Manganese batteries are used. → Use alkaline batteries.
Remote commander does not operate.	<ul style="list-style-type: none"> • Replace the lithium battery. • Point the head portion of the remote commander toward the signal sensor of the unit.

When you do not want to hear beeps

Disconnect the power sources. While keeping ■ pressed, connect the power sources (rechargeable battery, alkaline batteries or external power source). The beep sound setting remains as long as the power source is connected.

To make the display window not to be illuminated

You can make the display window not to be illuminated when using the unit on the rechargeable battery or alkaline batteries.

- 1 Disconnect the power sources (external power source, rechargeable battery, alkaline batteries).
- 2 While keeping PLAY MODE pressed, insert the rechargeable battery or alkaline batteries.

The illumination setting remains as long as the rechargeable battery or alkaline batteries are not removed.

Precautions

On safety

- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Do not put any foreign objects in the safety slot inside the disc compartment. If you do so, the laser beam may come out when the lid is opened.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.
- Should any solid objects or liquid fall into the unit, disconnect the power supply and have the unit checked by qualified personnel before operating it any further.

On power sources

- Use the rechargeable battery (supplied), alkaline batteries (not supplied), house current or a car battery.
- For AC operation: Use the AC power adaptor supplied with this unit. Do not use any other AC power adaptor as it may cause malfunction.
- For car battery operation: Use the car mount arm CPM-300PK (not supplied) or mount plate CPM-300P (not supplied) and car connecting pack CPA-3/CPA-4 (not supplied).
- If the unit is not going to be used for a long period of time, be sure to disconnect the power supply (AC power adaptor, rechargeable battery, alkaline batteries, or mount plate) from the unit. To remove the AC power adaptor from the wall outlet, grasp the adaptor itself; never pull it by the cord.
- The nameplate indicating operating voltage, power consumption, etc. is located on the bottom exterior. (AC power adaptor for Middle East only.)

On operation

- Since the CD system offers a wide dynamic range, the peaks of the 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 part of disc with no audio signals or very low level inputs.** If you do so, the speakers may be damaged when the peak level of the sound is played.
- The lens on the disc table should be kept clean. Do not touch the lens or poke at it. If you do so, the lens may be damaged and the unit will not operate properly.

On installation

- Never install the unit where it would be subject to:
 - heat sources such as radiators or airducts.
 - direct sunlight.
 - excessive dust.
 - moisture or rain.
 - mechanical vibration or shock.
 - unlevelled surface.
- Do not put the unit on a dashboard nor leave it in a car parked in sunlight since the temperature may rise excessively.
- When the unit is used with the AC power adaptor, do not wrap the unit in a cloth, blanket, etc. If you do so, the temperature inside and outside the unit may rise considerably, resulting in malfunctioning of the unit or serious accidents.
- Do not put any heavy object on top of the unit. The unit and disc may be damaged.
- If the unit 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 unit will not operate. **In this case, remove the disc and leave the unit in a warm place for several hours until the moisture evaporates.**
- For the unit to operate at its best, it should not be subjected to temperatures below 5° C (41° F) or above 35° C (95° F).

Notes on headphones

• Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

• Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

• Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

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

Specifications

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength: $\lambda = 780$ nm Emission duration: Continuous Laser output: Less than 44.6 μ W (This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.)
Error correction	Sony Super Strategy Cross Interleave Reed Solomon Code
D-A conversion	1-bit quartz time-axis control
Frequency response	20 - 20,000 Hz \pm dB (measured by EIAJ CP-307)
Output (at 4.5 V input level)	Line output (stereo minijack) Output level 0.8 V rms at 50 kilohms Load impedance over 10 kilohms Headphones (stereo minijack) 4 mW + 4 mW at 16 ohms
General	
Power requirements	Supplied: • DC 2.4 V Rechargeable battery pack • DC IN 4.5 V jack accepts the Sony AC power adaptor for use on:

Dimensions

Mass
Supplied accessories

Where purchased	Operating voltage
European and Asian countries	220 - 230 V AC, 50 Hz
U.S.A., Canada, Central and South America	120 V AC, 60 Hz
Middle East	110 - 240 V AC, 50/60 Hz
United Kingdom, Australia	240 V AC, 50 Hz
Other countries	100 - 240 V AC, 50/60 Hz

Not supplied:

- DC IN 4.5 V accepts the Sony CPM-300P mount plate and CPM-300PK mount arm for use on car battery.
 - DC 3 V, two size AA (LR6) alkaline batteries
- Approx. 132 x 26.8 x 151 mm (5 $\frac{1}{4}$ x 1 $\frac{1}{16}$ x 6 in.) (w/h/d)
incl. projecting parts and controls
Approx. 300 g (11 oz.) incl. rechargeable battery pack
AC power adaptor (1)
Rechargeable battery pack (1)
Connecting cord (phono plug x 2 \cdot stereo miniplug) (1)
Stereo headphones (1)
Card remote commander (1)
Lithium battery (1)

Card remote commander	
Operative distance	Approx. 5 m (16 feet 5 inches)
Power source	DC 3 V, 1 Lithium battery CR2025
Dimensions	Approx. 54.1 x 85.5 x 6.15 mm (2 $\frac{1}{4}$ x 3 $\frac{3}{8}$ x $\frac{1}{4}$ inches) (w/h/d)
Mass	Approx. 30 g (1.1 oz) including a lithium battery

Design and specifications are subject to change without notice.

Accessories not supplied

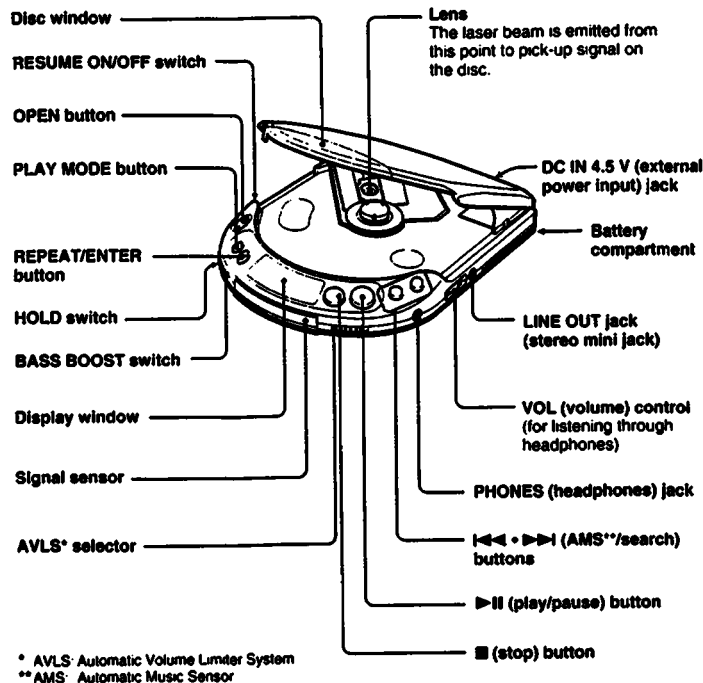
Plate arm CPM-300A
Mount plate CPM-300P
Mount arm CPM-300PK
Mount kit CPM-300PC
Mount kit CPM-300CK
Car connecting pack CPA-3, CPA-4
Car battery cord DCC-E145L
Active speaker system SRS-58
Rechargeable battery pack BP-DM10

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information about the accessories in your country.

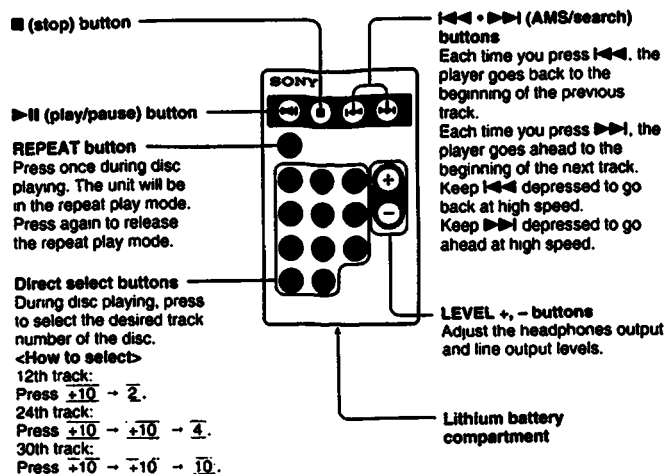
Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

Location and Function of Controls



Card Remote Commander



Note on the remote commander

Be sure that the signal sensor on the unit is not exposed to direct sunlight or bright light as from fluorescent light, which could prevent the remote commander from operating correctly.

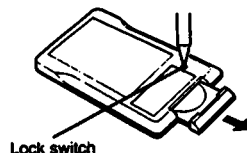
You cannot operate the remote commander when the power is not supplied through the DC IN 4.5 V jack.

Lithium battery life

Your remote commander comes with a factory installed lithium battery. When the remotely controllable area becomes smaller, replace the battery with a Sony CR2025 lithium battery (not supplied). Use of batteries other than CR2025 may cause a risk of fire or explosion. The new lithium battery usually lasts for approximately 6 months. (Its life span depends on how much it is used.)

To replace the lithium battery

- Slide the lithium battery compartment in the direction of the arrow while pressing the lock switch.
- Replace the battery with a new lithium battery (CR2025).
- Install the lithium battery compartment as before.



Notes on lithium battery

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to install the battery with the correct polarity.
- Do not hold the battery with metallic tweezers as doing so may cause a short-circuit.

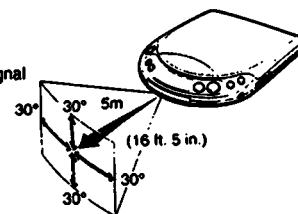
WARNING

Battery may explode if mistreated.
Do not recharge, disassemble or dispose of in fire.

Remotely controllable area

When you use the card remote commander, the controllable area is as illustrated.

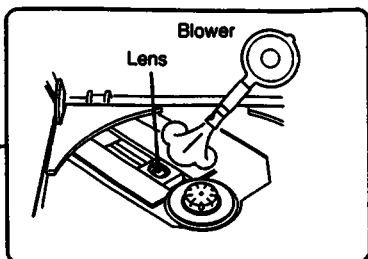
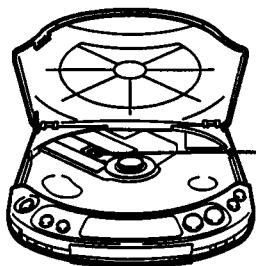
Point the card remote commander toward the signal sensor of the unit.



Maintenance

Cleaning the Lens

If you have accidentally touched the lens with dirty fingers or if dust on the lens prevents the unit from operating properly, open the disc compartment lid and clean the lens with lens cleaning kit (KK-9, not supplied).



Cleaning the Headphones Plug

Keep the plug of your headphones clean to obtain optimum sound. Wipe it with a dry, soft cloth.

Cleaning the Casing

Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine as they may mar the finish of the casing.

Notes on Compact Discs

- Before playing, clean the disc with a 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.
- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be a considerable rise in the temperature inside the car.
- After playing, store the disc in its case.



If there is a scratch, dirt or fingerprints on the disc, it may cause tracking error.

Handling the Disc



Handle the disc by its edge.



Do not touch the surface.



Do not stick paper or tape nor write anything on the surface.