

SONY

3-753-354-21 (1)

Compact Disc Compact Player



D-101

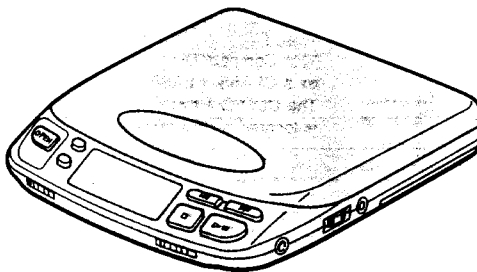
Operating Instructions

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

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-101 Serial No. _____



Discman

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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.

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

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 provides a reasonable protection against such interference in a residential environment. 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:
 • Reposition the receiving antenna.
 • Reposition the equipment.
 • 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 information helpful:
 • Federal Communications Commission, "FCC Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00345-4.

CAUTION

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

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.

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For the Customers in the United Kingdom

Important

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
 Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is

marked with the letter N or coloured black.
 The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
 Do not connect either wire to the earth terminal in the plug which is marked by the letter E or by the safety earth symbol \perp or coloured green or green-yellow.

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 anything in the safety slot inside the disc compartment. If you do, the laser beam may come out when the lid is opened.
- Do not put anything in the DC IN 6 V (external power input) jack.
- Should any solid object or liquid fall into the player, disconnect the power source and have the player checked by qualified personnel before operating it any further.

On power sources

- Use the supplied rechargeable battery pack, batteries (not supplied), or house current.
- For AC operation: Use the AC power adaptor supplied with this player. Do not use any other AC power adaptor as it may cause malfunction.
- For car battery operation: Use the car mount arm CPM-203 PK or mount plate CPM-203P (not supplied) and car connecting pack CPA-2 (not supplied).
- When the unit will not be used for a long time, be sure to disconnect the power source (AC power adaptor, batteries, rechargeable battery pack, 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.

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 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.
- The lens on the disc table should be kept clean. Do not touch the lens or poke at it. If you do, the lens may be damaged and the player will not operate properly.

On installation

- Never put the unit:
 - near heat sources such as radiators or airducts.
 - in direct sunlight.
 - exposed excessive dust.
 - exposed moisture or rain.
 - exposed mechanical vibration or shock.
 - in an inclined position.
- Do not wrap the player in a cloth, blanket, etc. If you do, the temperature inside the player may rise, resulting in malfunction of the player.
- If the player is brought directly from a cold location to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the player. Should this occur, the player will not operate. In this case, **remove the disc and leave the player 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).

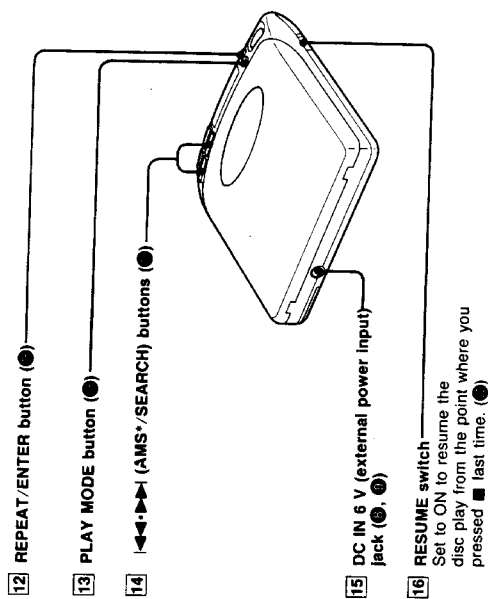
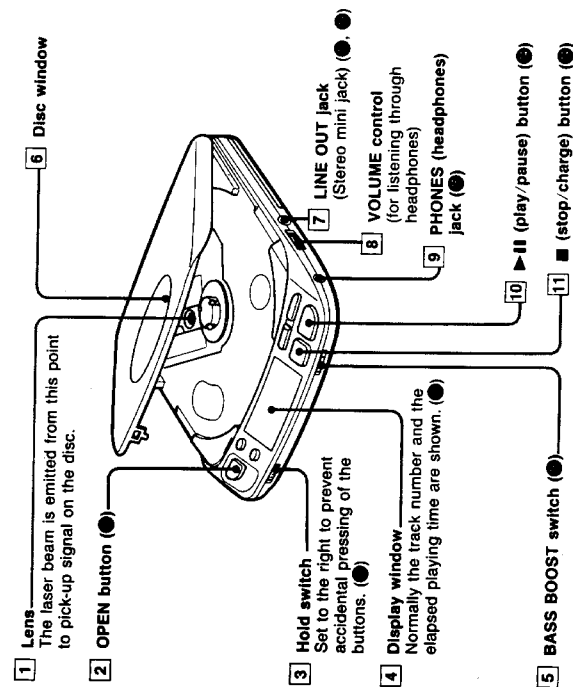
About the headphones

- Avoid listening with your headphones:
 - while driving, cycling, etc.
 - for an extended time at a loud volume.
- Remember not to disturb those close to you with the sounds from your headphones.

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

Location and Function of Controls

See the pages in () for more details.



*AMS is the abbreviation of Automatic Music Sensor.

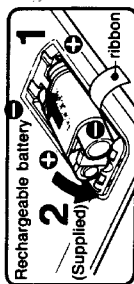
Power Sources

Using with Rechargeable Battery

When using the rechargeable battery for the first time, make sure to charge it for 3 hours.

Attaching rechargeable battery

Insert the rechargeable battery, the side with "Discman" facing up, according to the ⊕ and ⊖ indication in the battery compartment.



D-101 (back side)

To charge the battery



- 1 Connect the supplied AC power adaptor when the unit is in the stop mode.
- 2 Press (stop/charge) button to start charging the battery. The indicator and "CHG" appear in the display window, and the level meter drifts while moving. They disappear when charging ends.
- 3 Disconnect the AC power adaptor.



Using with Batteries

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



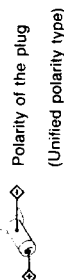
D-101 (back side)

Connect the supplied AC power adaptor in the same way as for charging the rechargeable battery. When the unit is not be used, be sure to disconnect the AC power adaptor.

Note

Make sure to pull out the ribbon when you insert the rechargeable battery or alkaline batteries into the unit.

Note on the AC power adaptor
Use only the supplied AC power adaptor.
Never use any other adaptors manufactured by Sony because the polarity of the supplied adaptor is opposite of conventional adaptors. Do not use the supplied AC power adaptor for other "Discman" CD compact players with DC IN 9 V jack, nor the optional AC power adaptor such as the AC-D6M.



Rechargeable battery life

The playing time of the CD player depends on the charging time as follows:

Charging time	Playing time
3 hours (completely charged)	approx. 2 hours.

When to replace the rechargeable battery

If the operating time of the CD player reduces about by half even if you charge it fully, replace it with a new one (BP-DM1, optional).

Note on the rechargeable battery (Ni-Cd battery)

- Be sure to use the supplied AC power adaptor.
- Remember to recharge the battery pack after every use. Leaving the rechargeable battery discharged may shorten its life.
- When charging for the first time or after 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.

Alkaline battery life

If two size AA (LR6) alkaline batteries are used, approx. 3.5 hours of continuous play is possible.

Notes on batteries

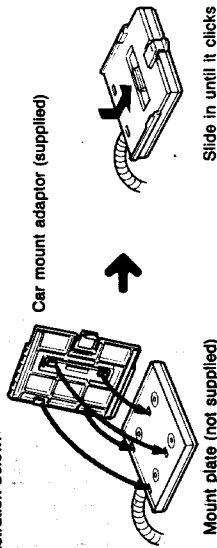
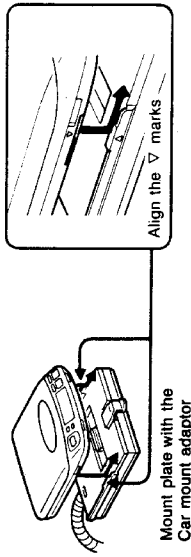
- Insert batteries with correct polarity.
- Do not use old batteries together with new ones or different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated parts in the battery case with a cloth and replace the old batteries with new ones.
- Do not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

Various ways of Using

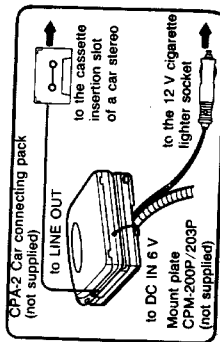
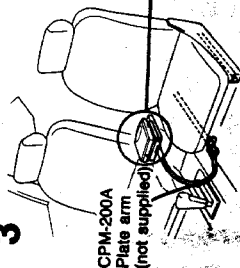
Refer to the operating manual of each equipment for more details.

Listening in a Car

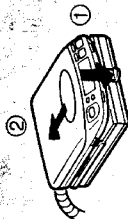
Setting the Mount plate or Car mount arm (not supplied) in the car, you can listen to the disc through the car stereo. The power is supplied through the cigarette lighter socket. Install the Mount plate or the Car mount arm in the car before you begin.

1 Attach the car mount adaptor (supplied) to the car mount arm following the illustration below.**2 Set the unit on the car mount adaptor attached on the Car mount arm CPM-203PK.**

3



To remove the DISCMAN
Slide the unit to the direction of the arrow ② while pressing the portion ①.



When you turn off the engine
Even when the rechargeable battery or alkaline batteries are inserted in the unit, the unit stops operation 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 ■ button to stop operation.

Notes

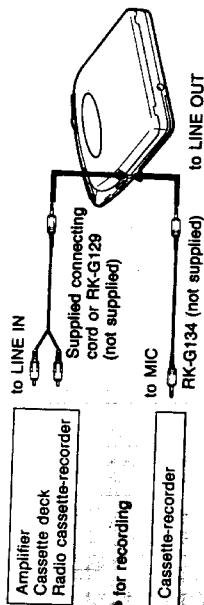
- Unplug the unit from the cigarette lighter socket when it is not being used. Otherwise, it may drain the car battery.
- Do not put the unit on a dashboard nor leave it in a car parked in sunlight since the temperature may rise excessively.
- Any connection other than the CPA-2 may cause noise.
- CPA-2 may not be used with some car cassette decks.

Accessories for listening in a car (not supplied)

- CPM-200A: Plate arm
- CPM-200P/CPM-203P: Mount plate
- CPM-200PK/CPM-203PK: Car mount arm (Plate arm and mount plate)

Connecting with Other Equipments

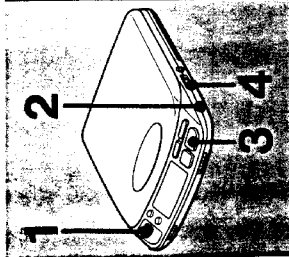
- for monitoring the sound through speakers
- for recording



Notes on connection

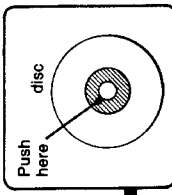
- Turn off each equipment before making connections.
- Plug in the white plug to the L (left channel) jack, and the red plug to the R (right channel) jack.
- Do not connect the output from LINE OUT with the PHONO jacks of the amplifier.
- Be sure to insert the cable connected firmly into the jacks. Loose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

Disc Playing



1

OPEN

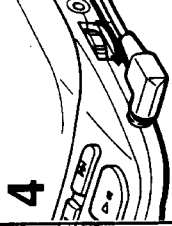


Push the disc gently until it clicks so that the disc fits into the pivot, black portion. Close the lid of the unit after setting the disc.

2

TO PHONES

3



VOLUME

4

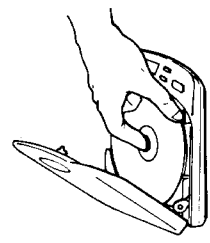
Other operations

Operation	Button to be pressed
To pause	▶ II
To release the pause mode	▶ II
To stop	■

When you press ■, disc playing stops and the power is turned off automatically.

To remove the disc

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



To play an 8 cm (3-inch) disc
You can play it without an adaptor.

Notes

- If you press ▶ II with the disc inserted upside down, the indication "00" appears in the display window, and the sound doesn't come out. Press ■ to stop the disc playing and reinsert the disc with the label surface up.
- When the 12 cm CD which contains many selections is replaced with a disc with a few selections (such as CD single or CDV, etc.), it may take more than 10 sec. before play starts.

To emphasize the bass sound

Set the BASS BOOST switch according to the music. The bass sound is emphasized so that you can enjoy heavy and dynamic sound.



Note

The bass boost function may be reduced depending on the recording level or VOLUME control setting.

On display window

On time counter

When you press ► II

The number of the selections in the disc and the total playing time appear for 2 seconds.

Example

07 23:15

Number of the selections Total playing time

During the play

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

05 0:17

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

During the pause

The elapsed playing time of the current point flashes.

05 0:17

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

Between the selections

The time to the beginning of the next selection appears.

03-00:02

2 sec. to the beginning of the 3rd selection

On level meter

During the play, the level meter shows the level of the sound volume.

05 0:17

Level meter

On **BATT** indication

The **BATT** indication appears on the display window when the unit operates with either the rechargeable battery or the alkaline batteries. The indicator flashes when the battery become weak

and the operation automatically stops. In this case, charge the rechargeable battery or replace all the alkaline batteries with new ones.

Locating a Particular Selection — AMS

To locate the beginning of the current or a preceding selection

Press ◀◀ lightly and repeatedly.

To locate the beginning of a succeeding selection

Press ▶▶ lightly and repeatedly.

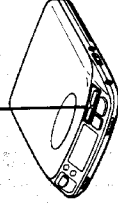
Locating a Particular Point in a Selection — SEARCH

To go back at high speed

Keep ◀◀ depressed.

To go ahead at high speed

Keep ▶▶ depressed.



On AMS function

- Each time you press ◀◀, the player locates the current and previous selections. Each time you press ▶▶, the player locates the next selections and stops at the last selection.
- If you press ◀◀ or ▶▶ during the pause, the unit pauses at the beginning of your desired selection.

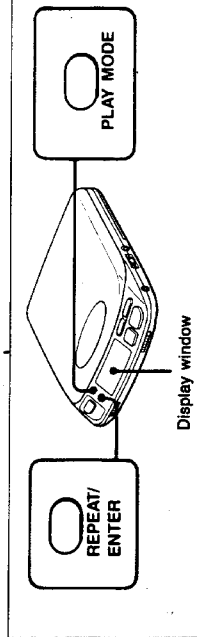
Various Playing Modes

This unit has 10 playing modes.

To charge the mode, press the PLAY MODE button during play. The current mode appears in the display window.

To play repeatedly, press REPEAT/ENTER button.
"REPEAT" appears in the display window.
Press again to cancel the repeat play.

To stop the disc, press ■ button.


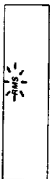


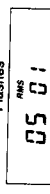
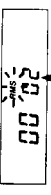


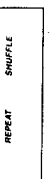


REPEAT/ENTER button is not pressed		REPEAT/ENTER button is pressed	
Display window		Display window	
			Repeats the whole disc.
			Plays the first ten seconds of all the selections again and again.
		Press ► again to listen to the selection to the end. (When "REPEAT" is displayed, the whole disc will be repeated.)	
		Plays a single selection repeatedly.	

(Continue to the next page.)

Various Playing Modes


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
During the play		REPEAT/ENTER button is not pressed		REPEAT/ENTER button is pressed	
Display window	Play mode	Display window	Play mode	Display window	Play mode
	Playing in the desired order—Program play (RMS)*				Plays the selections in the desired order repeatedly.
1 To start the program play Press  or  to select the desired selection. Flashes  The first selection Track No. of the desired selection	Shuffle play Plays all the selections in a random order.	2 Press REPEAT/ENTER. Flashes  The 2nd (next) selection		3 Repeat the steps 1 and 2 (up to 22 selections). 4 Press  of the unit. "RMS" indication stops flashing and play starts.	
					Plays the selections in a random order repeatedly.

Press PLAY MODE button again to return to normal play mode.

* RMS is the abbreviation of Random Music Sensor.

During shuffle play

To locate the beginning of the selection being played: Press .

To locate the next selection: Press .

You cannot locate a previous selection even if you keep  depressed.

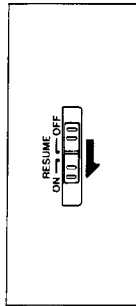
During shuffle or program play
A blank space of approx. 3 seconds will be inserted between selections automatically.

If another selection is memorized after 22 selections have been memorized.

The first selection will be cleared and the new one will be memorized in its place.

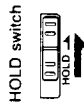
Using the Resume Play Function

When you set the RESUME switch to ON and press **II**, you can resume the disc play from the point where you pressed **II** last time.



Locking the Buttons

When you set the HOLD switch to the direction of the arrow, all the buttons will be locked to prevent an accidental pressing of buttons.

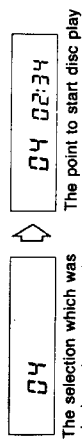


Display window

When the RESUME switch is OFF



When the RESUME switch is ON
Example: When you stop the operation at the 2 min. 34 sec. of the 4th selection.



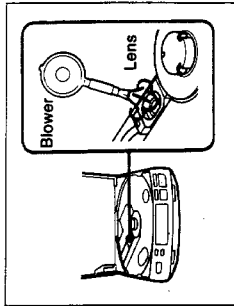
Notes

- When using with the AC power adaptor or car battery, Resume Play does not work if:
 - you remove the AC power adaptor or car battery cord
 - you turn off the engine
 - you open the lid.
- When using with batteries, Resume Play may start at a point about 30 seconds behind or ahead the stopped point if:
 - you open the lid
 - you remove the batteries.

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 Headphone plug

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

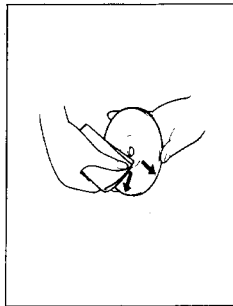
Cleaning the Casing

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

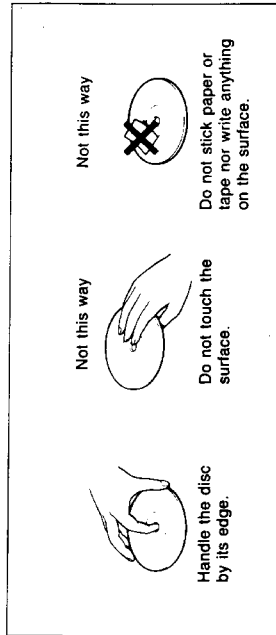
Notes on Compact Discs

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.
- Do not use solvents such as benzene, 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



Specifications

System

Laser diode properties

Compact disc digital audio system
Material: GaAlAs
Wavelength: $\lambda = 780 \text{ nm}$
Emission duration: Continuous
Laser output: Less than $44.6 \mu\text{W}$
(This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.)

Sony Super Strategy Cross Interleave Read Solomon

Error correction

Code

16-bit linear 8fs digital filter

20 - 20,000 Hz $\pm 1 \text{ dB}$

(measured by EIAJ CP-307)

Line output (stereo minijack)

Output level 0.55 V rms at 50 kilohms

Load impedance over 10 kilohms

Headphones (stereo minijack)

9 mW + 9 mW at 16 Ω

Output (at 6 V input level)

D-A conversion

Frequency response

Output (at 6 V input level)

General

Power requirements

Supplied:
• DC 2.4 V Rechargeable battery pack BP-DM1
• DC IN 6 V jack accepts the Sony AC power adaptor for use on:
— 120 V AC, 60 Hz in USA,
— 240 V AC, 50 Hz in United Kingdom/Australia

Not supplied:

• DC IN 6 V accepts the Sony CPM-203P/CPM-200P mount plate and CPM-200PK/CPM-203PK Car mount arm for use on 12 V car battery.
• DC 3 V two size AA (LR6) alkaline batteries
1.4 W DC

Power consumption

Dimensions

Weight

Supplied accessories

Approx. $132\frac{3}{4} \times 26.8 \times 150.1 \text{ mm}$ ($5\frac{1}{4} \times 1\frac{1}{16} \times 6 \text{ in.}$)
(w/h/d) incl. projecting parts and controls
Approx. 320 g (11.3 oz.) incl. rechargeable battery
AC power adaptor (1)
Rechargeable battery (1)
Connecting cord (phone plug \times 2--stereo miniplug) (1)
Stereo headphones (1)
Car mount adaptor (1)

Design and specifications subject to change without notice.

Accessories not supplied

Plate arm CPM-200A

Mount plate CPM-203P/CPM-200P

Car mount arm CPM-200PK/CPM-203PK

Car connecting pack CPA-2

Car battery cord DCC-60/DCC-E160L

Active speaker system SRS-57

Rechargeable battery BP-DM1

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.

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. (See page 10.) • Dirty or dusty lens. (See page 10.) • The disc compartment lid is not closed. • Moisture condensation. → Leave the player 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 to the direction of the arrow. • Weak rechargeable battery (See page 10.) • The ribbon is caught between the battery/rechargeable battery and the battery terminal.
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 control. • 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.
Charging not possible	<ul style="list-style-type: none"> • Check if the ribbon is caught between the battery and the battery terminal.