

**SONY**

3-750-077-23 (1)

Compact Disc Compact Player



# D-9

## Operating Instructions

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

## Owner's Record

The model and serial numbers are located on the bottom.

Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. D-9    Serial No. \_\_\_\_\_



# Discman

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Printed in Japan

## **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**

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.

## **CAUTION**

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

# Maintenance

## Cleaning the Casing

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

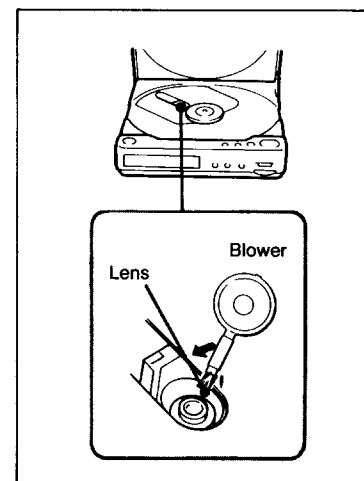
## Cleaning the Lens

If you have accidentally touched the lens with a dirty finger or if the dust on the lens prevents the unit from operating properly, open the disc compartment lid and clean the lens.

### To remove dust

Blow on the lens a few times with a commercially available blower, brush the dust away in the direction of the arrow, then blow on the lens again.

If the unit still does not function properly, please consult your nearest Sony dealer.



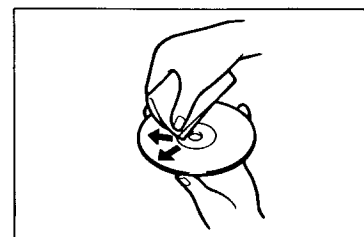
## Notes on Compact Discs

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.

Before playing, clean the disc with the optional 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.

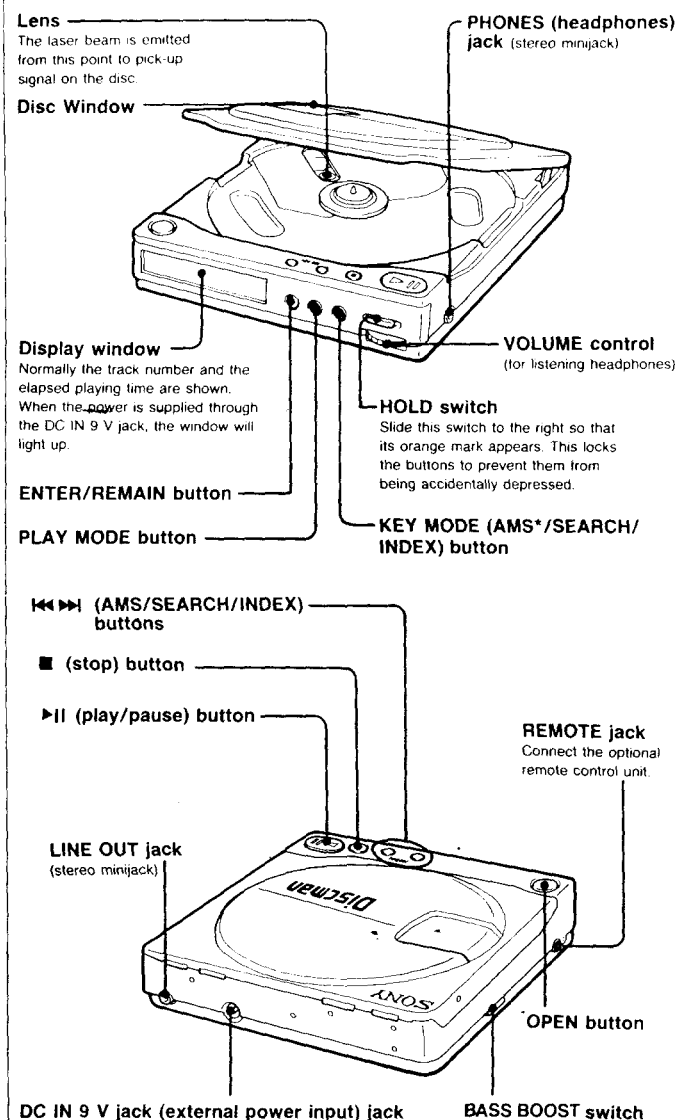
After playing, store the disc in its case.



## Cleaning the Headphone Plug

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

# Location and Function of Controls



# 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 9V (external power input) jack.
- 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.
- 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.
- 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, house current, or a car battery.
- 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 a car battery cord recommended for this player.
- When the unit will not be used for a long time, be sure to disconnect the power source (AC power adaptor, batteries, car battery cord 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.

## 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
- 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 warm place for about an hour 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.

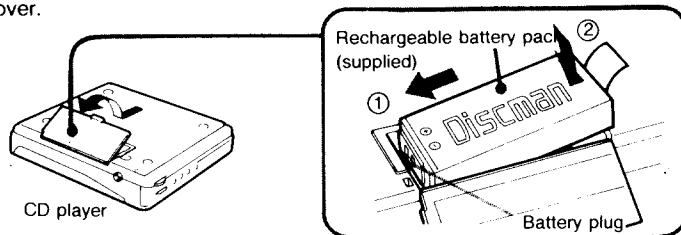
# Power Sources

## Using with Rechargeable Battery

Before using, charge the battery pack for approx. 3 hours.

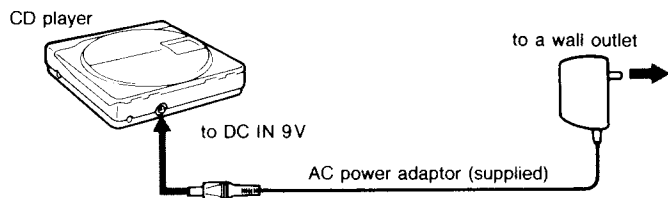
### Attaching rechargeable battery

Do not leave the ribbon outside when you close the battery cover.



When you put the battery pack, leave the ribbon outside. Otherwise you can't remove the battery pack easily.

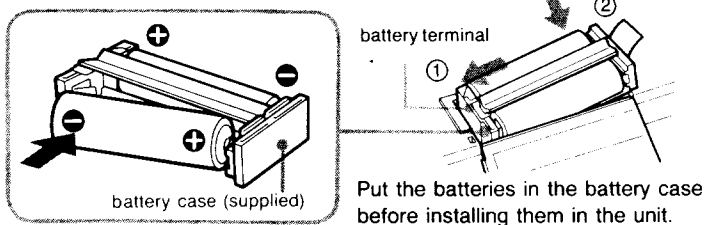
### Charging the battery



••••• will blink while charging and will disappear when charging ends.

## Using with batteries

Use two size AA (LR6)-alkaline batteries with the supplied battery case.



## Using on House Current

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

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

### Battery life when using Rechargeable Battery pack.

Approx. 2 hours of continuous play is possible when the battery is completely charged.

### Notes on charging

- For charging, use only the supplied AC power adaptor or optional AC-D6M.
- Do not charge the battery for more than 24 hours.
- Remember to recharge the battery pack after every use. Leaving the unit discharged may shorten its life.

### Notes on rechargeable battery pack

- When the battery pack will not be used for a long time, recharge it every six months.
- Store the battery pack in a temperature range of 5°C-35°C (41°F-95°F).
- Never throw the battery pack into fire.
- Never short-circuit the battery plug.
- If the electrolyte inside the battery pack should come into contact with cloth or skin, wash the contaminated objects with water immediately. The electrolyte contains sulfuric acid.

### When to replace the rechargeable battery pack

If the operating time of the CD player becomes shortened after the battery pack has been fully charged, replace it with new one (BP-2 optional).

### The playing time with size AA alkaline batteries

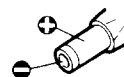
You can play approx. 3.5 hours continuously.

### To avoid damage caused by battery leakage and corrosion

- When the remote commander will not be used for a long time, remove the batteries.
- When the batteries are run down, replace both batteries with new ones.
- Place the batteries with correct polarity.
- Do not charge the batteries.
- Do not mix the new batteries and old ones together.

### Notes:

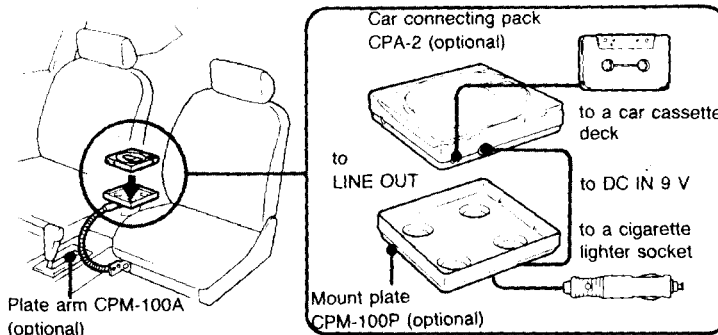
- If AC power adaptor or a car battery cord not manufactured by Sony is used, the polarity of the plug must be as illustrated.



# Various Ways of Using

## Listening in a Car

Use the following equipment.



The power is supplied through the cigarette lighter socket.

Do not put the unit on a dashboard nor leave it in a car parked in sunlight since the temperature may rise excessively.

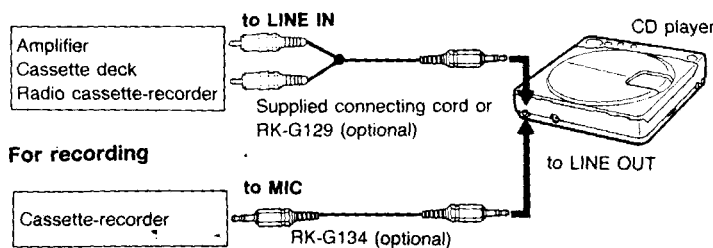
For details, refer to the instruction manual of each product.

### Notes on connection with the car battery.

- Unplug the unit from the cigarette lighter socket when it is not being used. Otherwise, it may drain the car battery.
- Any connection other than with the CPA-2 may cause noise.

## Connection with Other Equipments

For monitoring through speakers and for recording



### Notes on connecting

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

## Using a Remote Commander

Use the Sony RM-DM1K (wireless) or RM-DM2 (wired) remote commander (optional).

Be sure to turn off the player before connecting.

### Notes

- When the rechargeable battery or batteries are installed, the RM-DM1K cannot be operated. Use the AC power adaptor.
- Remove the receiver from the unit when it is not used.

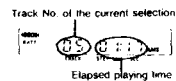
## Various Playing Modes

Each time PLAY MODE is pressed during play, play mode changes as follows.  
To stop the disc, press ■.

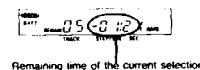
<b>Repeating One Selection</b> <b>— 1 REPEAT</b>		<p>During play</p> <p>After the current selection ends, the same selection will be repeated.</p>
<b>Repeating the whole disc</b> <b>— ALL REPEAT</b>		<p>During play</p> <p>When play reaches the end of the disc, it restarts from the first selection.</p>
<b>Repeating between two designated points</b> <b>— A ↔ B REPEAT</b>		<p>During play</p> <p>1 At the starting point (A) of the repeat play</p> <p>2 At the ending point (B)</p> <p>Point A has been memorized</p> <p>Point B has been memorized. Playing will start from point A.</p>
<b>Playing in a Random Order</b> <b>— SHUFFLE REPEAT</b>		<p>During play</p> <p>Play begins from the following selection. The other selections in the disc will be played in a random order. Once all the selections have been played, they will be reshuffled and played in a different order.</p>
<b>Playing in the desired order</b> <b>— RMS (program)</b>		<p>During play</p> <p>To play repeatedly</p> <p>To play once</p> <p>1 Choose the desired selection.</p> <p>2</p> <p>3 Repeat steps 1 and 2. (UP to 22 selections)</p> <p>4 Repeat steps 1 and 2. (UP to 22 selections)</p> <p>MEM disappears and play begins.</p>

To return to normal play, press PLAY MODE.

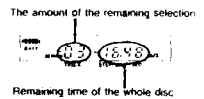
**On time counter**  
Normal display shows the elapsed playing time.



To display the remaining time of the selection being played, press ENTER/REMAIN.



To display the remaining time of the whole disc, press ENTER/REMAIN once more. (It will not appear during shuffle play or program repeat play. During program play, it remaining time of the whole program appear.)



To return to the normal display, press ENTER/REMAIN again.

The ENTER/REMAIN button operates even while the HOLD function is in use.

**During shuffle repeat play**  
To locate the beginning of the selection being played.

Press [RECALL].  
To locate the next selection Press [NEXT].  
You cannot locate a previous selection even if you keep pressing the [RECALL] button.

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.

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

**Notes on compact discs**



Handle the disc by its edge



Do not touch the surface.



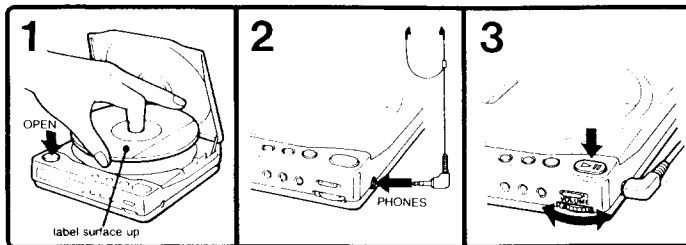
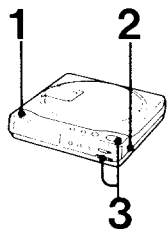
Do not stick paper or tape nor write anything on the surface.

If there's a scratch, dirt or finger prints on the disc, it may cause tracking error.

**Note**

If [RECALL] is pressed with the disc inserted upside down, the TRACK indication becomes "00", and the player is kept in the playback mode. Press the OPEN button to open the lid, and reinsert the disc with the label side up.

## Disc Playing



### To pause

Press (To play, press again)

### To stop

Press

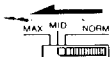
### What is this indication?

indicates the remaining power of the battery. When the battery becomes weak, the segments will go out one by one beginning with the left segment. Charge the battery when three of the segments have gone out.

### On 3 inch CD

A 3 inch CD can be played without an adaptor in this player.

## Emphasizing the bass sound



The bass sound can be emphasized by the BASS BOOST switch.

## Locating a particular portion

Each time KEY MODE is pressed during play or pause, locating mode changes as follows.

<b>Locating a particular selection</b> <b>— AMS</b>		During play or pause	Display 	To locate the beginning of the current selection. 	To locate the next selection. 
<b>Locating a particular point in a selection</b> <b>— SEARCH</b>		During play or pause		To go back at high speed. 	To go ahead at high speed. 
<b>Locating a particular index</b> <b>— INDEX search</b>		During play or pause	Track No. 3 Index No. 2 INDEX	Select the desired index. 	

To return to the AMS function, press KEY MODE.

### Notes on the AMS function

- When you press the or button in the pause mode, the player pauses at the beginning of the located selection.
- During program play, AMS operates in the memorized order.

### What is this indication?

appears if you continuously press the button at the end of the disc to return to a track indication, press the button.

### On a disc without indexes

If you press or during INDEX search mode, the beginning of the current selection will be played.

### \*What is index?

The selections on some discs are divided into sections, such as the movements of a symphony. An index number is assigned to each section thus making it possible to find a particular section easily.



\*AMS is the abbreviation of Automatic Music Sensor.

## Specifications

### CD section

System

Laser diode properties

Compact disc digital audio system

Material: GaAlAs

Wavelength: 780 nm

Emission duration: Continuous

Laser output: Max. 44.6  $\mu$ W\*

\*This output is the value measured at a distance of about

200 mm from the objective lens surface on the Optical

Pick-up Block.

500 r.p.m. to 200 r.p.m. (CLV)

1.2-1.4 m/sec.

Sony Super Strategy Cross Interleave Reed Solomon Code

16-bit linear 2 ts digital filter

20-20,000 Hz  $\pm 1$  dB

Below measurable limit\*

Line output (stereo minijack)

Output level 0.7 V rms at 50 kilohms

Load impedance over 10 kilohms

Headphones (stereo minijack)

9 mW + 9 mW at 32 ohms

Rechargeable battery pack BP-2 (supplied)

Battery case EBP-2 (supplied) and two size AA alkaline

batteries (optional)

Sony CPM-100P car mount plate, or Sony DCC-120A car

battery cord for use on 12 V car battery (optional)

DC IN 9 V jack accepts:

Sony AC power adaptor (supplied), AC-D6M (optional)

Power consumption

Dimensions

Weight

Supplied accessories

1.8 W DC

Approx. 130.0  $\times$  31.1  $\times$  142.0 mm

(5 1/8  $\times$  1 1/4  $\times$  5 5/8 in.) (w/h/d) not incl. inclined part

(depth), projecting parts and controls

Approx. 131.0  $\times$  31.9  $\times$  142.7 mm (5 1/4  $\times$  1 5/16  $\times$  5 5/8 in.)

(w/h/d) incl. projecting parts and controls

Approx. 420 g (15 oz) not incl. rechargeable battery

Approx. 500 g (1 lb 1 oz) incl. rechargeable battery

AC power adaptor (1)

Battery case (1)

Rechargeable battery pack (1)

Carrying case (1)

Connecting cord (1) (stereo miniplug  $\rightarrow$  two phono plugs)

Design and specifications subject to change without notice.

### OPTIONAL ACCESSORIES

Headphones MDR-E282

Wired remote commander RM-DM2

Wireless remote control kit RM-DM1K

Rechargeable battery pack BP-2

Battery charger (for BP-2) BC-BP2

Car battery cord DCC-120A

Car connecting pack CPA-2

Car mount plate CPM-100P

Plate arm CPM-100A

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

\*Measured by EIAJ CP-307

### General

Power requirements