

SONY

3-753-180-21 (1)

FM/AM Compact Disc Compact Player



D-T24

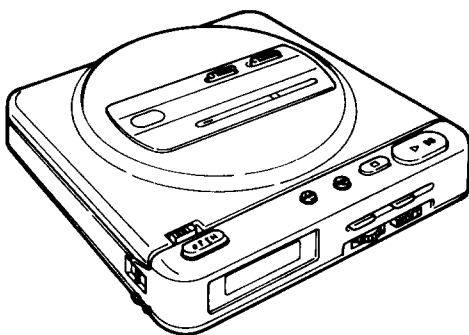
Operating Instructions

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-T24 Serial No. _____



MEGA BASS Discman

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.

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Specifications

CD section

System

Laser diode properties

Compact disc digital audio system

Material: GaAlAs

Wavelength: 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.)

20-20,000 Hz ± 3 dB

Line output (stereo minijack)

Output level 1 V rms at 47 kilohms

Load impedance over 10 kilohms

Headphones (stereo minijack)

9 mW + 9 mW at 32 ohms

Frequency response Output (at 9 V input level)

Radio section

Frequency range

FM: 87.6-108 MHz

AM: 530-1,710 KHz

Antennas

FM: Headphones cord or connecting cord antenna

AM: Built-in ferrite bar antenna

General

Power requirements

Supplied:

- DC IN 9 V jack accepts the Sony AC power adaptor 120 V AC, 60 Hz

Optional:

- DC IN 9 V accepts Sony CPM-203P mount plate for use on 12 V car battery
- DC 6 V, four size AA (LR6) alkaline batteries

Power consumption Dimensions

1.2 W DC

Approx. 138.6 \times 41 \times 150 mm
(5 1/2 \times 1 13/16 \times 6 in.) (w/h/d)

incl. projecting parts and controls

Approx. 510 g (1 lb 2 oz) net

Approx. 605 g (1 lb 5 oz) incl. batteries

Weight

Supplied accessories

AC power adaptor (1)

Connecting cord (1)

Carrying belt (1)

Stereo headphones (1)

Design and specifications subject to change without notice.

Optional accessories

Car battery cord DCC-E190M

Car connecting pack CPA-2

Wired remote control unit RM-DM2

Wireless remote control kit RM-DM5K

Mount plate CPM-203P

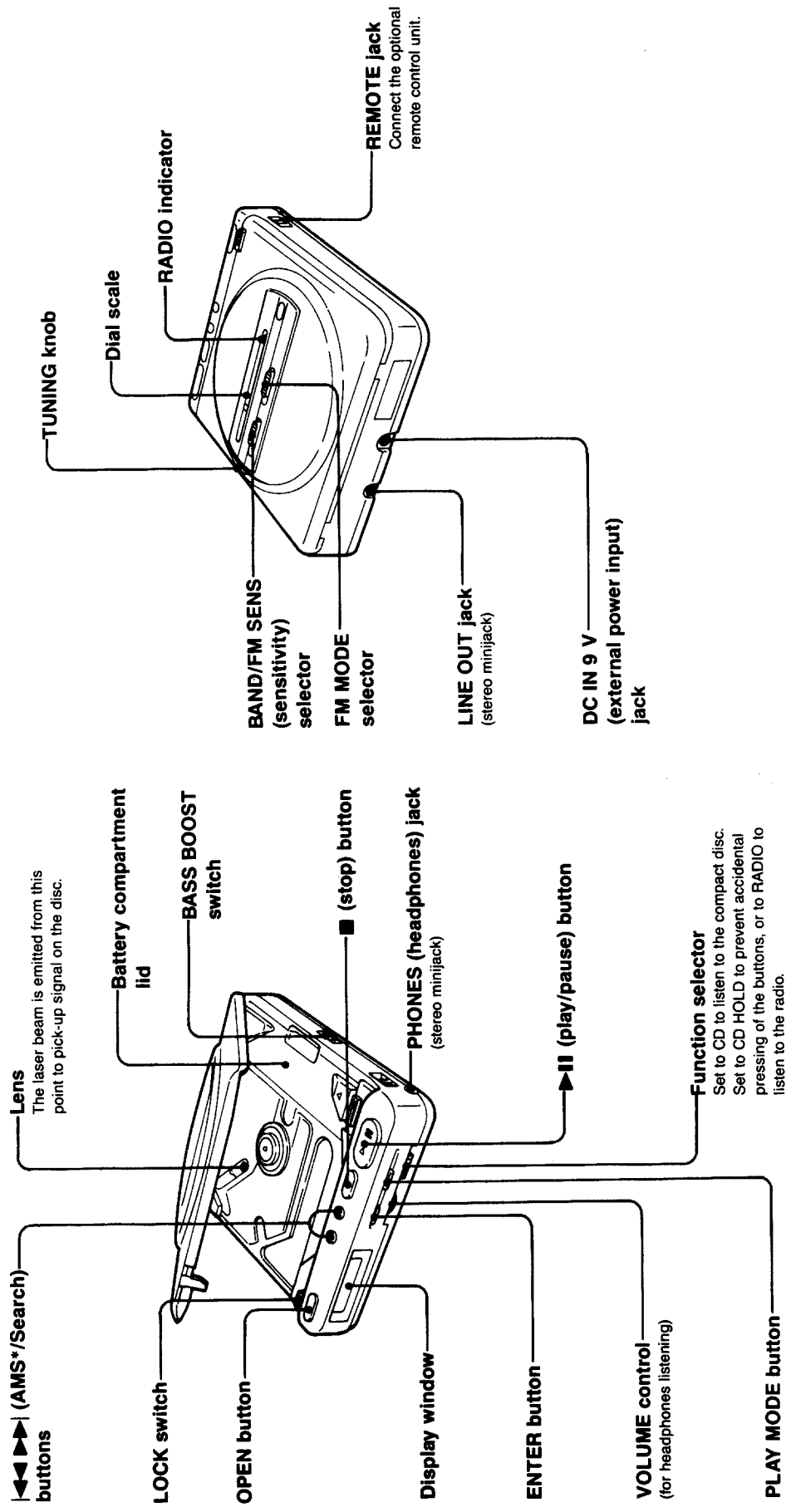
Plate arm CPM-200A

Car mount arm CPM-203PK

Active speaker SRS-57/SRS-77G

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.

Location and Function of Controls



*AMS is an abbreviation for Automatic Music Sensor.

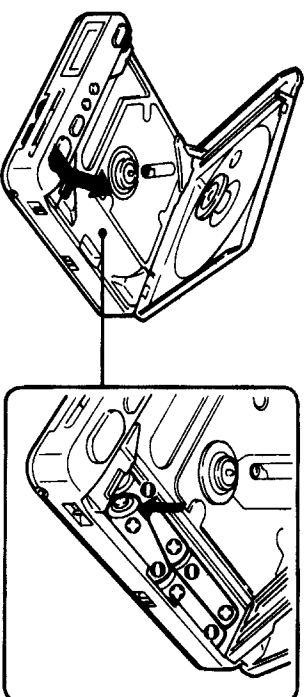
Power Sources

When Using Batteries

Install four size AA (LR6) alkaline batteries.

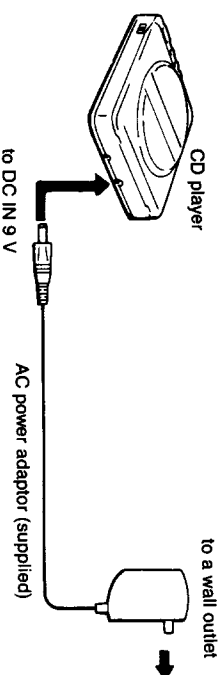
Approximately 8 hours of continuous disc playing is possible.

Approximately 36 hours of continuous radio reception is possible.



Close the battery compartment lid firmly.

Using on House Current



Note

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

Note

BATT appears during play or pause, and blinks when the batteries become weak.

Notes on batteries

- Insert the batteries with correct polarity.
- Do not use old batteries with new ones or different types of batteries together.
- You cannot charge the battery.
- If the electrolyte inside the battery should come into contact, wash the contaminated parts in the battery box with a cloth and replace the old batteries with new ones.
- When the batteries are not used for a long period of time, remove them.
- The unit cannot be operated on the internal batteries when the AC power adaptor is connected to the unit.

Note on the AC power adaptor

Use only the supplied AC power adaptor or AC-E6M/AC-E90M AC Power adaptor (not supplied).

Do not use any other AC power adaptor.

The AC power adaptor supplied with other DISCMAN models with DC IN 9 V or DC IN 6 V jack and AC-D6M, etc. cannot be used with this unit.

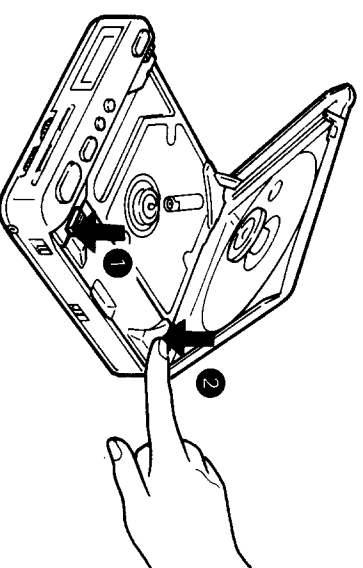


The unit may become warm

The bottom of the unit may be warm during operation, which is normal. If it is unusually warm, disconnect the AC power adaptor and consult your Sony dealer.

If the battery compartment lid is removed

Replace it by pushing both sides in the numbered order as shown.



Maintenance

Cleaning the Casing

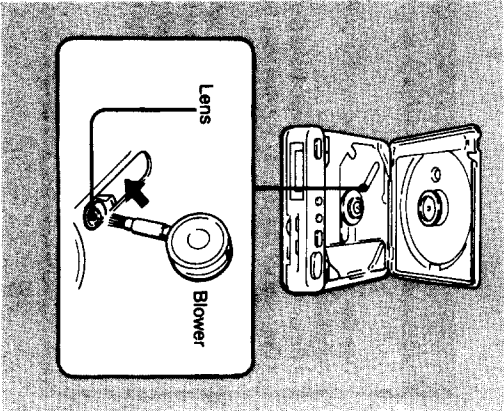
Clean the casing with a soft cloth slightly moistened with water or mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine as they may mar the finish of the casing.

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 lens is still dirty after you have followed the above instructions and the unit still does not function properly, please consult your nearest Sony dealer.



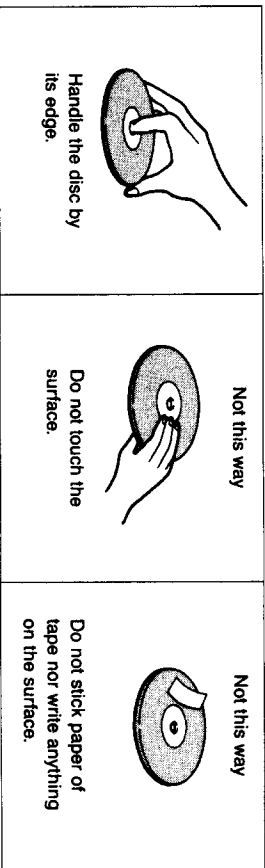
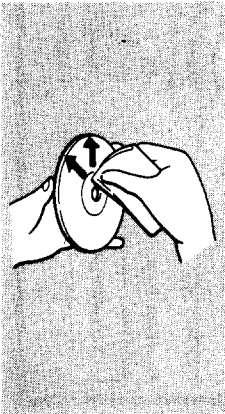
Notes on Compact Discs

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 benzene, thinner, commercially available cleaners or anti-static spray intended for analog discs.

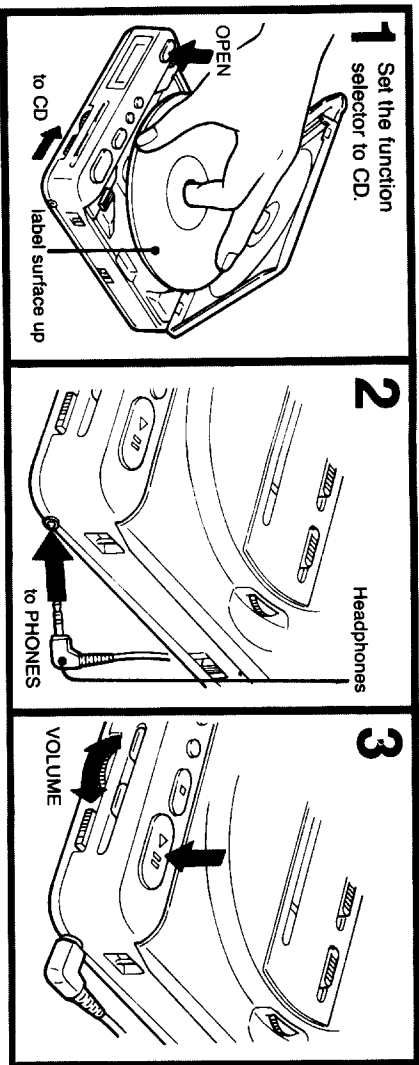
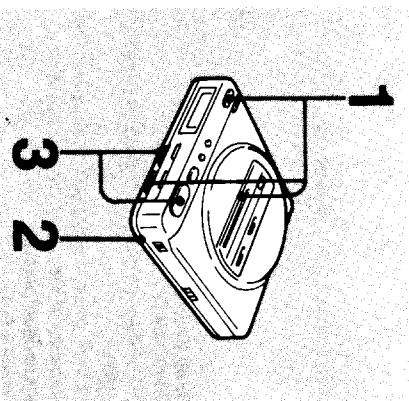
After playing, store the disc in its case.



Cleaning the Headphones Plug

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

Disc Playing



When disc play starts
Display window changes as follows.

TRACK/MIN STEP/SEC	→	35:35	→	01
TRACK/MIN STEP/SEC				TRACK/MIN STEP/SEC
Total playing time		The selection number		

When the play is stopped in the middle, then resumed

TRACK/MIN STEP/SEC	→	04,	→	04
TRACK/MIN STEP/SEC				TRACK/MIN STEP/SEC
Number of the tune stopped				

Resume Play

To pause Press **▶II**. The track number blinks. To play, press **▶II** again.
To stop Press **■**.
To play 8 cm (3 inch) CD You can play 8 cm (3 inch) CD without using an adaptor for it.

To Enjoy More Powerful Bass Sound

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

Note
The effect of the BASS BOOST function may be decreased according to a position of the volume control or the recording level of a disc.

BASS BOOST NORM MID MAX



To clear the memory of th stopped point

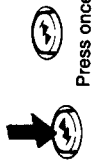
- Open the lid.
- Change the disc.
- Disconnect the AC power adaptor or the car battery cord. To keep the memory retained at all times, use the set with the batteries inside.

The play starts from the first selection of the disc.

Locating a Particular Portion

Locating a particular selection — AMS

To locate the beginning of the current selection



Press once.

To locate the next selection



Press once.

Locating a particular point in a selection — SEARCH

To go back at high speed



Keep pressing.

To go ahead at high speed



Keep pressing.

- While searching, the elapsed playing time appears in the display window.

Notes on the AMS function

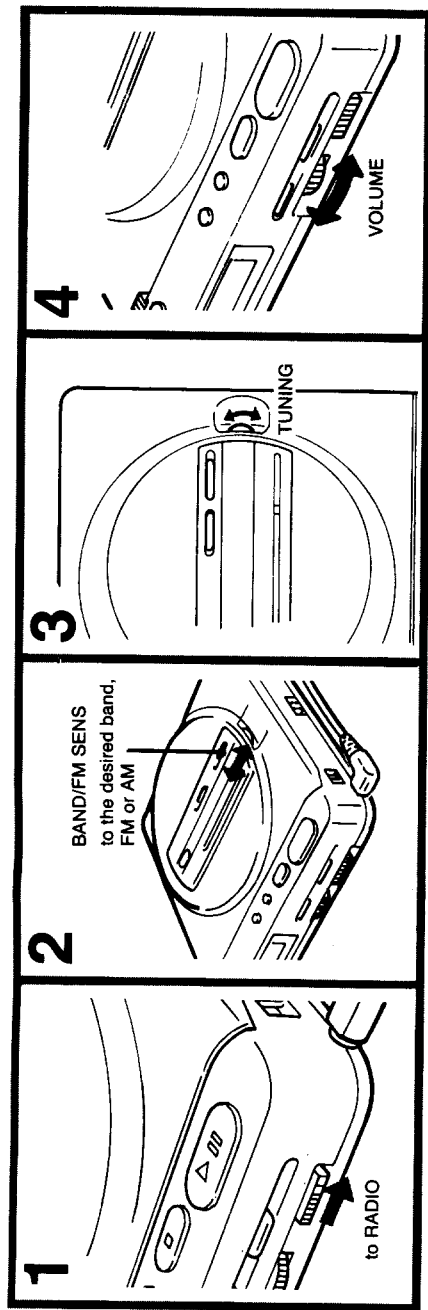
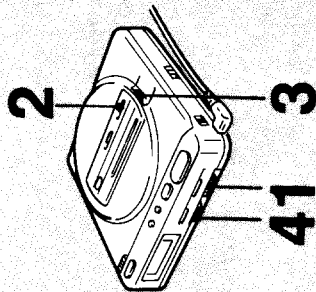
- The player pauses at the beginning of the located selection when you press **◀◀** or **▶▶** in the pause mode.
- If you keep pressing **◀◀**, the player locates the previous selections.
- If you keep pressing **▶▶**, the player locates the next selections and stops at the last selection.
- During the programmed play, AMS operates in the programmed order.

What is this indication?

⏮ appears if you continuously press **▶▶** at the end of the disc.
To return to a TRACK indication, press **◀◀**.

⏭ appears while the player is locating a particular selection.

Radio Reception



Notes

- Do not open the lid during listening to the radio.
- When the battery is about to be used up, the radio sound may crack or be distorted. Replace all the batteries as needed.

To improve FM sensitivity

Normally set the BAND/FM SENS selector to FM DX.

If a very strong station signal causes noise, set it to FM LOCAL. The noise will be reduced.

When an FM reception is noisy

Set the FM MODE selector to MONO. The reception will be more stable and noise will be reduced. In this mode, there is no stereo effect.

For stable receptions

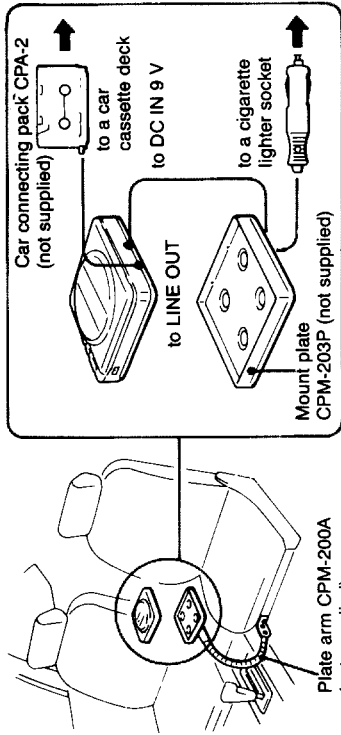
FM: Since the headphones cord or the connecting cord plugged into the LINE OUT jack serves as an FM antenna, extend it for better reception.

AM: Rotate the unit horizontally for optimum reception, as the reception is affected by the direction of the unit.

Various Ways of Using

Listening in a Car

You can listen to the CD player through a car cassette deck by using the Sony CPA-2 car connecting pack and the CPM-203P mount plate. (The Sony CPM-200A plate arm will facilitate attaching the mount plate to your car.)



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 connecting with the car battery

- When disconnecting the unit from the cigarette lighter socket (or from the AC power adaptor), the power source for disc playing shuts down in order to save battery consumption. In the case of radio reception, the power source changes to the internal batteries. If you are not to continue listening, you should turn off the radio.
- 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 the CPA-2 may cause noise. Some cassette decks may not accept the CPA-2.

Note on Mount Plate CPM-200P

D-T24 uses the plug of EIAJ standard polarity to DC output 9 V. When you use CPM-200P, consult your Sony dealer.

Using the battery cord

Use the car battery cord DCC-E190M.

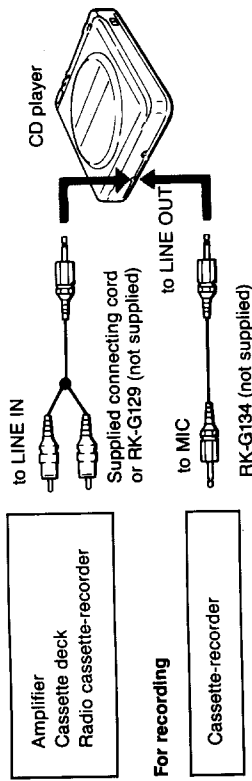
Recommended accessories for listening in a car (not supplied)

- CPM-200A plate arm
- CPM-203P mount plate
- CPM-203PK car mount arm (plate arm and mount plate)

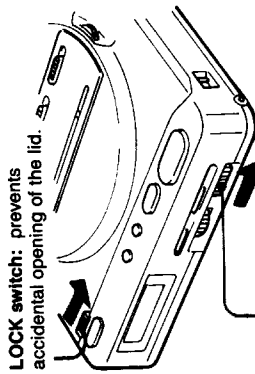
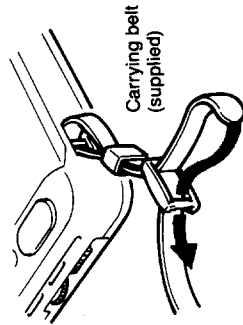
Connecting with Other Equipment

You can listen to the CD player through speakers, or record its sound.

For monitoring through speakers and for recording



Carrying



Notes on connection

- 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 the Optional Remote Commander

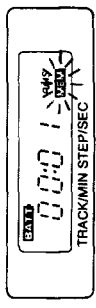
- Use the Sony RM-DM5K (wireless) or RM-DM2 (wired) remote commander unit (not supplied).
- Be sure to turn off the power before connecting.
 - Disconnect the remote commander from the REMOTE jack when it is not being used.
 - Use the RM-DM5K only when the power is supplied from the DC IN 9 V jack.
 - Detach the carrying belt when you use the RM-DM5K.
 - A \leftrightarrow B repeat cannot be performed. (When you use the RM-DM5K.)
 - You can use the remote commander even when the function selector is set to CD HOLD.

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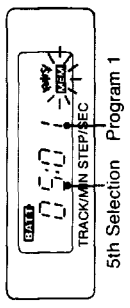
Playing in the desired order repeatedly
 — Repeat RMS (program)

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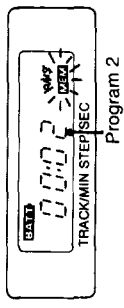
1 Press PLAY MODE once more.



2 Choose the desired selection with
 ◀◀ or ▶▶.

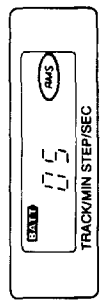


3 Press ENTER.
 The selection is stored.



4 Repeat steps 2 and 3.
 (Up to 22 selections)

5 Press ▶◀.
 PLAY/PAUSE



MEM disappears and play starts.

To return to normal play press PLAY MODE once more.

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To check the number of the programmed selections while programming Press the ENTER button. The programmed numbers appear in order.

If another selection is stored after 22 selections have been stored The first selection is cleared and the new one is stored in its place. The program is cleared when you press ■.

When you open the lid All the programmed selections are cleared.