

SONY.

3-860-091-21 (1)

Compact Disc Compact Player

Operating Instructions

About area code

The area code of the Discman you purchased is shown on upper left of the bar code-label on the package.

For accessories supplied with your Discman, check the area code of your model and refer to "Supplied accessories" toward the end of this manual.

Discman



D-M805

Sony Corporation ©1997 Printed in Malaysia

Welcome!

Thank you for purchasing the Sony Compact Disc Compact Player. Before operating your Discman, please read this manual and retain it for future reference.

Owner's Record

The model and the serial numbers 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-M805 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 the USA

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 Australia

The supply cord of the AC power adaptor cannot be replaced; if the cord is damaged, the AC power adaptor should be discarded.

For the customers not in Poland

The  mark on the unit is valid only for products marketed in Poland.

For the customers not in Europe

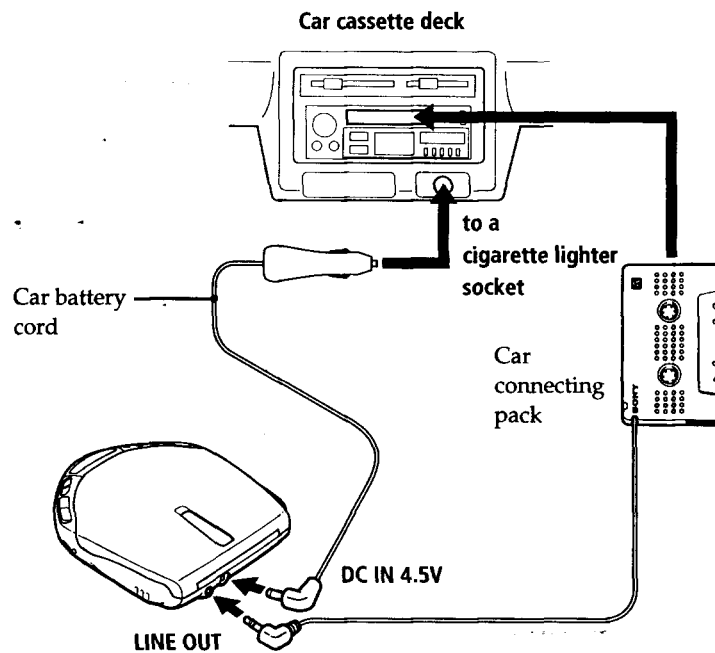


The CE mark on the unit is valid only for products marketed in the European Union.

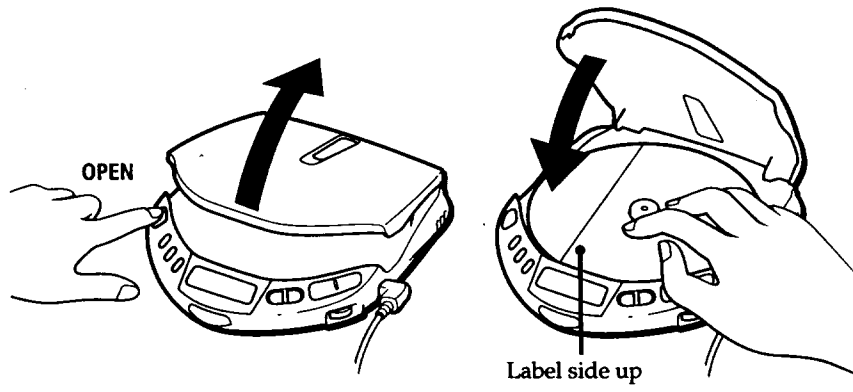
Playing a CD in a car

You can play a CD in a car, using your Discman on car battery. You can also use it on house current, rechargeable battery and dry batteries (see "Power sources" on the reverse side.)

1 Connect



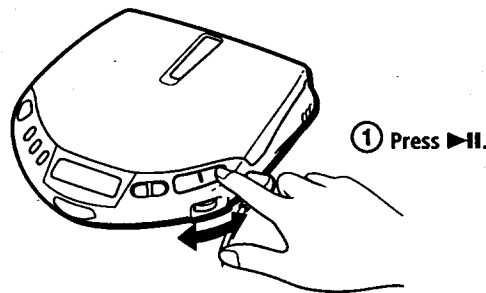
2 Place a CD



① Press OPEN to open the lid.

② Fit the CD to the pivot.
Label side up

3 Play



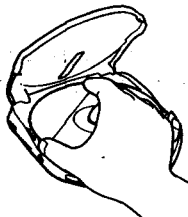
② Adjust the volume.

To stop play, press ■.

To	Press
Pause	▶
Resume play after pause	▶
Find the beginning of the current track (AMS*)	◀◀ once**
Find the beginning of previous tracks (AMS)	◀◀ repeatedly**
Find the beginning of the next track (AMS)	▶▶ once**
Find the beginning of succeeding tracks (AMS)	▶▶ repeatedly**
Go forward quickly	Hold down ▶▶**
Go backwards quickly	Hold down ◀◀**

*AMS = Automatic Music Sensor
 **These operations are possible during both play and pause.

To remove the CD
 Remove the CD while pressing the pivot.



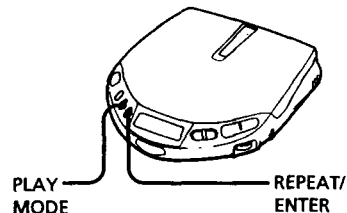
Notes on the car cassette deck

- Turn down the volume.
- Set the tape selector to the normal (TYPE I) position, and the DOLBY NR, REPEAT or BLANK SKIP switch to OFF if they are equipped.

►Other Operations

Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, INTRO PGM, shuffle or RMS (Random Music Sensor) play modes. Repeat all the tracks or only one track.



To repeat all the tracks
 Press REPEAT/ENTER during play.
 The "◀" indication appears.

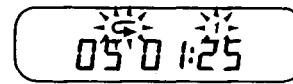


To cancel repeat play, press REPEAT/ENTER again.

To repeat a single track
 1 Press REPEAT/ENTER while the track you want to repeat is playing.
 The "◀" indication appears.



2 Press PLAY MODE repeatedly until "1" appears.



To repeat another track, press ◀◀ or ▶▶.

To cancel repeat play, press REPEAT/ENTER again.

Notes on display

- When you press **▶||** (when RESUME is set to OFF), the total number of tracks in the CD and the total playing time appear for about 2 seconds.
- During play, the track number and the elapsed playing time of the current track appear.
- During pause, the elapsed playing time flashes in the display.
- Between tracks, the time to the beginning of the next track will appear with the “-” indication.

Illumination of the display and the buttons on the main unit

When using the unit on the AC power adaptor or car battery, the display and the buttons are illuminated during play so that you can check the display and the location of the buttons easily.

The display and the buttons are also illuminated for about one minute in the following cases:

- When you connect the AC power adaptor or car battery cord
- When you open the lid of the unit
- When you stop play by pressing **■**
- When the CD finishes playing.

If you want to turn off the illumination right away, press **■**.

Note on illumination

When using the unit on the AC power adaptor, illumination of the display and the buttons may become dim during AMS operation, etc., but this is no problem.

Notes on handling CDs

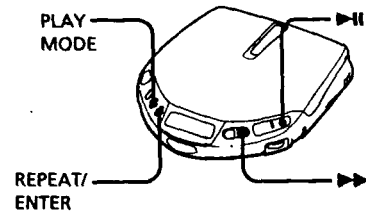
- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stickw paper or tape onto the CD.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts. Do not leave the CD in a car parked under direct sunlight.



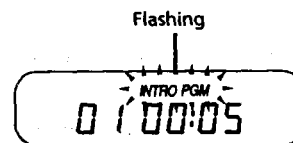
Not these ways

Playing only the tracks you want (INTRO PGM Play)

You can choose and play your favorite tracks by scanning through the beginning of each track in a CD.



- 1 During play, press PLAY MODE repeatedly until “INTRO PGM” flashes.



- 2 Press **▶||** to start scanning. The Discman plays the first 15 seconds of each track and “INTRO PGM” flashes faster.
- 3 Press REPEAT/ENTER while the track you want is playing. To skip the track, press **▶|** or just wait for the next track.

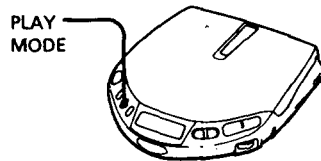
After you have gone through the CD, “INTRO PGM” stops flashing and the tracks you have chosen play automatically.

To finish programming before going through the whole CD, press **▶||**. The selected tracks will be played.

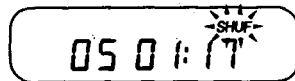
To cancel INTRO PGM play, press PLAY MODE repeatedly until no play mode is indicated in the display.

Playing tracks in random order (Shuffle Play)

You can play the tracks in a CD in random order.



During play, press **PLAY MODE** repeatedly until "SHUF" appears. The tracks play in random order.



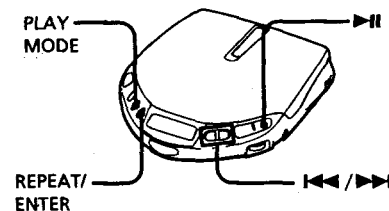
To cancel shuffle play, press **PLAY MODE** repeatedly until no play mode is indicated in the display.

Note

- During shuffle play, you cannot return to previous tracks by pressing **◀◀**.

Playing tracks in the order you want (RMS play)

You can program up to 22 tracks to play in any order you choose.

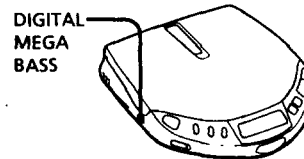


- 1 During play, press **PLAY MODE** repeatedly until "RMS" flashes.

Using other functions

To enjoy more powerful bass sound

You can enjoy a powerful bass-boosted sound.



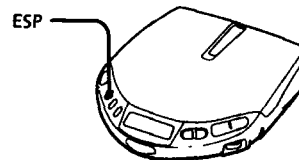
Press **DIGITAL MEGA BASS** to select **BASS ◀** or **BASS ▶**. **BASS ▶** is more effective.

Note

- If the sound is distorted when emphasizing bass, turn down the volume.

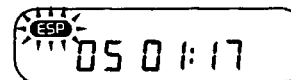
To prevent sound from skipping (ESP)

The ESP (Electronic Shock Protection) function prevents the sound from skipping by using a buffer memory that stores music data for about 10 seconds. Use this function when listening in a car or during a walk.



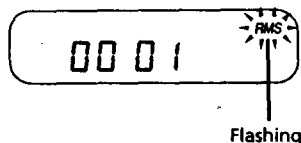
Press **ESP**. The ESP indication appears.

To release the ESP function, press **ESP** again.

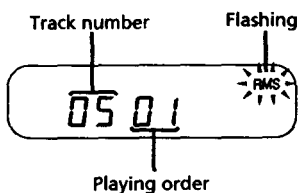


Notes

- Playing may stop when the Discman gets a strong shock even with the ESP function on.
- You may hear a noise or sound skip when:
 - listening to a dirty or scratched CD,
 - listening to an audio test CD or,
 - the Discman receives continuous shock.
- Sound may drop for a while if you press **ESP** during play.



- 2** Press **◀◀** or **▶▶** to choose a track. The track number and the playing order appear.



- 3** Press REPEAT/ENTER to program the track.

- 4** Repeat steps 2 and 3 to program the remaining tracks.

- 5** Press **▶||**. "RMS" stops flashing and the tracks you have chosen play in the order you specified.

To cancel RMS play, press PLAY MODE until "RMS" disappears.

To check the program

During programming:

Press REPEAT/ENTER before step 5.

During RMS play:

Press PLAY MODE repeatedly until "RMS" flashes, then press REPEAT/ENTER.

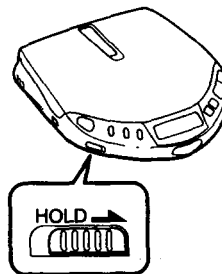
Each time you press REPEAT/ENTER, the track number and the playing order appear in the order you specified.

Note

- If you program another track after the 22nd track, the first track programmed is cleared and the new track is programmed instead.

To lock the buttons

You can lock your Discman against any accidental operations. (You can still operate the unit with the wireless remote commander.)

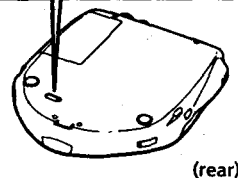


Slide HOLD in the direction of the arrow. The buttons are locked. When you press any button, "Hold" appears in the display.

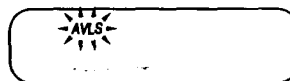
To unlock, slide HOLD back.

To protect your hearing (AVLS)

The AVLS (Automatic Volume Limiter System) function keeps down the maximum volume to protect your ears.



Set AVLS to LIMIT. The AVLS indication appears.



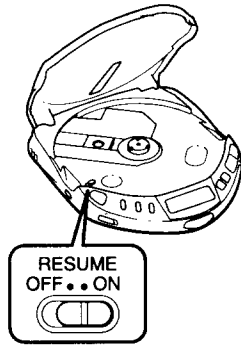
Note

- If the sound is distorted when you listen to the bass-boosted sound with the AVLS function, turn down the volume.

Continue to the reverse side →

To resume playing from the point you stopped the CD (Resume Play)

Normally, every time you stop and play, playing starts from the beginning of the CD. The resume play function, however, lets you listen to from the point at which you last turned off the Discman.



Set RESUME to ON.

To cancel resume play, set RESUME to OFF.

Notes

- Even if RESUME is set to ON, playing starts from the beginning when you open the lid.
- The resume point may be inaccurate by about 30 seconds.

To turn off the beep

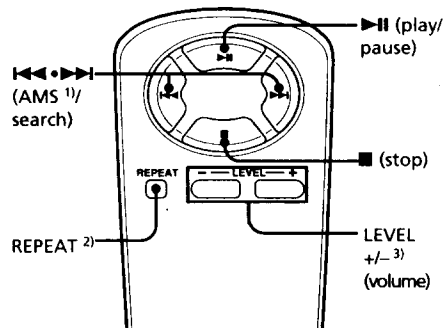
You can turn off the beep that sounds as you operate your Discman.

Disconnect the power source (AC power adaptor, rechargeable battery or alkaline batteries). While you press and hold down ■, connect the power source again. To make the beep sound again, disconnect the power source, and then connect it without pressing ■.

Using the supplied wireless remote commander

You can operate the wireless remote commander only when the power is supplied through the DC IN 4.5 V jack.

The buttons on the wireless remote commander have the same function as those with the same names on the main unit.

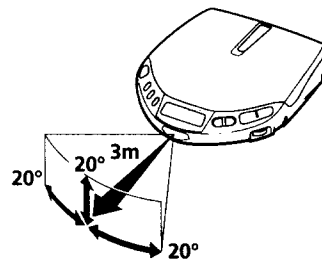


- 1) Automatic Music Sensor
- 2) To repeat all the tracks, press REPEAT during play.
- 3) To adjust the volume, press LEVEL + or - button.
The volume is displayed in 10 steps from "01" to "10".

Remotely controllable area

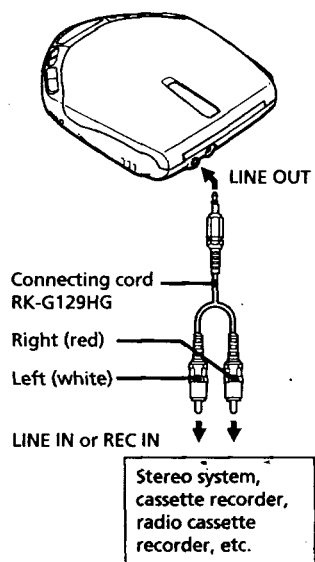
When you use the wireless remote commander, the controllable area is as illustrated.

Point the wireless remote commander toward the remote sensor of the unit.



Connecting to other stereo equipment

You can listen to the CD through other stereo equipment or record a CD on a cassette tape. Refer to the instruction manual of the other equipment for details. Before making connections, turn off each piece of equipment.



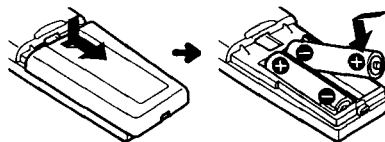
Notes

- When you use a connecting cord, the DIGITAL MEGA BASS function will be disabled.
- Before you play the CD, turn down the volume of the connected equipment so as not to damage the connected speakers.
- The beep sound is not output from the LINE OUT jack.
- When you connect other equipment to the LINE OUT jack, you cannot adjust the volume by this unit.
- When you record a CD on a cassette tape using a tape recorder that has the blank search function, release the ESP function. If the ESP function is on, the blank search function may be disabled.

Note

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

Inserting batteries into the wireless remote commander



Insert two size AA (R6) batteries (not supplied) into the battery compartment.

When to replace the batteries

The batteries usually last for about 6 months. When the remotely controllable area becomes smaller, replace all the batteries with new ones.

► Installing in a Car

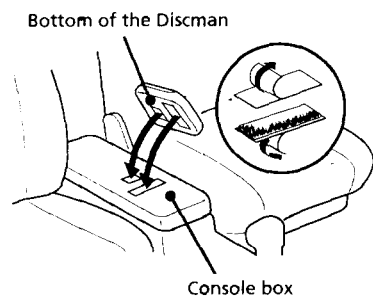
Where to place your Discman

- Install the Discman in a location which:
 - does not interfere with your driving.
 - is not dangerous for passengers.
 - does not interfere with the glove box lid or ashtray.
 - is stable, and where nothing around it may interfere with installation.
- Do not install the Discman near heat sources or where subject to direct sunlight, excessive dust, or moisture (especially on a dashboard.)

Please understand that we will not incur any obligations for troubles caused by incorrect installation.

Mounting your Discman

Attach the Discman to the console box with the supplied Velcro tapes.



Notes

- Do not affix Velcro tapes to the name plate or the lid of the battery compartment.
- When you are going to park your car for a long period of time, remove the Discman from the Velcro tapes so that it will not be exposed to direct sunlight.

To route the cord

Use the supplied spiral tube to route the cords so that they do not interfere with your driving.

Notes

- Be sure to use the supplied spare fuse. Never use a piece of wire as a substitute for the fuse.
- If the fuse is blown again after replacing it, contact your nearest Sony dealer. In such a case, bring the supplied spare fuse to the dealer with you.

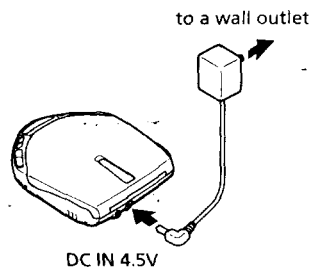
Notes on the car connecting pack

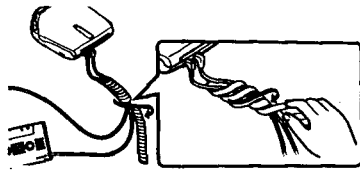
- If no sound is heard or the car connecting pack is ejected, change the direction of playback on the car cassette deck.
- Never insert the cord end of the car connecting pack into the cassette insertion door. Otherwise, the cord may break or the car cassette deck may be damaged.
- You cannot use the car connecting pack with some car cassette decks.
- The cord should be placed so that it does not hinder driving.
- To disconnect the cord from the Discman, pull it out by grasping the plug. Never pull the plug out by the cord.
- With some car cassette decks, you may hear some rattling noise from the car connecting pack. However, this is not a sign of malfunction.

► Power Sources

Using AC power adaptor

Connect the supplied AC power adaptor to the DC IN 4.5 V jack and a wall outlet.





Note on the car battery cord

The 4.5V DC plug supplied with car battery cord conforms to the proposed standards of the Electronic Industries Association of Japan (EIAJ). Do not connect it to other Discman.

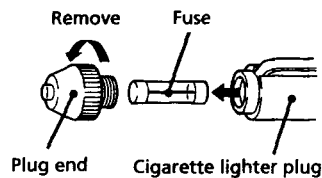
Polarity of the plug
(EIAJ standards)



Replacing the fuse of the car battery cord

If the Discman does not operate, check the fuse. If it is blown, replace it as follows:

- 1** Turn off the Discman and remove the cigarette lighter plug from the cigarette lighter socket.
- 2** Remove the plug end by turning it counterclockwise.
- 3** Remove the defective fuse from the plug.
- 4** Insert the supplied spare fuse into the plug.
- 5** Replace the plug end by turning it clockwise.



For models supplied with the AC plug adaptor

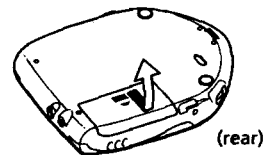
If the AC power adaptor does not fit the wall outlet, use the AC plug adaptor.

Using rechargeable battery

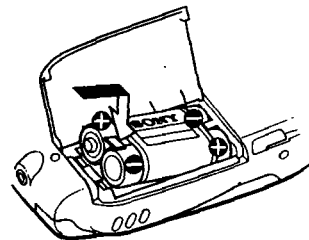
Charge the rechargeable battery before using it for the first time.


You can use either BP-DM10 or BP-DM20 rechargeable battery for this unit. You can use them in the same way, but their charging time and battery life are different. Check the model number of your rechargeable battery, and use it.

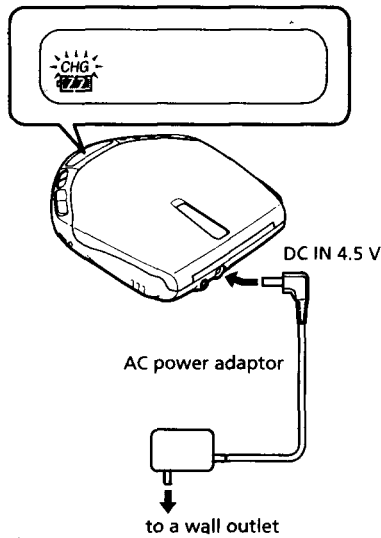
- 1** Open the lid of the battery compartment.



- 2** Insert the rechargeable battery so that the word "SONY" is facing the same direction as illustrated inside the lid, and close the lid.




- 3** Connect the AC power adaptor. The display and the buttons on the main unit light up for about one minute then go out. The indication "CHG" then appears in the display and charging starts. Charge for about 2 hours (for BP-DM10) or 3 hours (for BP-DM20). (If the battery has been fully charged, "CHG" and  flash.)



- 4** When fully charged, "CHG" disappears. Disconnect the AC power adaptor.

When to charge the battery

When the battery becomes weak,  indication appears in the display. If the battery is used up, "Lo batt" appears in the display. Charge the rechargeable battery. To keep the original battery capacity for a long time, recharge the battery when the battery is used up (discharged).

Notes

- Charging time varies depending on how the rechargeable battery is used.
- If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.
- If the battery life becomes shorter by about half, replace it with Sony BP-DM10 or BP-DM20 rechargeable battery. Do not use any other rechargeable battery (R6 type rechargeable battery, etc.).

Battery life (approx. hours)

When using	ESP function	
	off	on
BP-DM20 (charged for about 3 hours*)	7	6
Two alkaline batteries	12	9
BP-DM10 (charged for about 2 hours*)	4	3.5

(When the unit is used on a flat and stable place)
*Charging time varies depending on how the rechargeable battery is used.

► Additional Information

Precautions

On safety

- Should any solid objects or liquid fall into the unit, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

On power sources

- When you are not using the unit for a long time, disconnect all power sources from the unit.
- The nameplate indicating operating voltage, power consumption, etc. is located at the bottom of the AC power adaptor (for EA3 only.)

On the AC power adaptor

- Use only the supplied AC power adaptor. If your unit is not supplied with it, use AC-E45HG AC power adaptor. Do not use any other AC power adaptor.

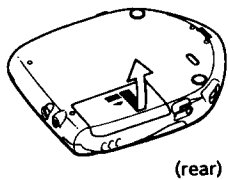
Polarity of the plug



- To unplug the AC power adaptor from the wall outlet, grasp the adaptor itself, do not pull its cord.

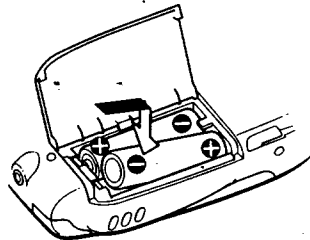
Using dry batteries

- 1 Open the lid of the battery compartment.




(rear)

- 2 Insert two LR6 (size AA) alkaline batteries by matching the \oplus and \ominus to the diagram inside the battery compartment and close the lid.



When to replace the dry batteries

When the batteries become weak,  indication appears in the display. If the batteries are used up, "Lo bāt+" appears in the display. Replace all the batteries with new ones.

Notes

- Do not charge the dry batteries.
- Do not mix new batteries with old ones.
- Do not use different types of batteries together.
- Do not use manganese batteries for this unit.

On dry and rechargeable batteries

- Do not throw the batteries into fire.
- Do not carry the rechargeable battery with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object.

On the unit

- Keep the lens of the unit clean and do not touch it. If you do so, the lens may be damaged and the unit will not operate properly.
- Do not put any heavy object on top of the unit. The unit and the CD may be damaged.
- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unlevelled surface, or in a car with its windows closed.
- If the unit causes interference to radio or television reception, turn off the unit or move it away from the radio or television.
- Do not wrap the unit in a cloth or blanket during use as it may cause malfunction or serious accidents.

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.

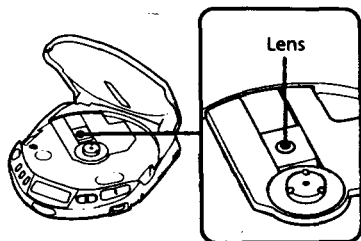
Caring for others

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

Maintenance

To clean the lens

Clean the lens with a lens cleaning kit KK-DM1.



To clean the casing

Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol, benzene or thinner.

Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

The CD does not play or "no disc" appears in the display though a CD is placed in the unit.

- The CD is dirty or defective.
- Insert the CD with the label side up.
- Moisture condensation has occurred.
Leave the unit aside for several hours until the moisture evaporates.
- The lens is dirty.
- Close the lid of the unit and the battery compartment firmly.
- Make sure the batteries are inserted correctly.
- Connect the AC power adaptor to a wall outlet securely.

When you press ►II, "00" appears in the display for a moment, and disappears. The CD does not play.

- Rechargeable battery or dry batteries are used up. Charge the rechargeable battery or replace dry batteries with new ones.

Specifications

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs
Wavelength: $\lambda = 780 \text{ nm}$
Emission duration: Continuous
Laser output: Less than $44.6 \mu\text{W}$ (measured at 200 mm away from the objective lens surface)

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 $\pm 1 \text{ dB}$ (measured by EIAJ CP-307)

Output (at 4.5 V input level)

Headphones (stereo minijack)
15 mW + 15 mW at 16 ohms
Line output (stereo minijack)
Output level 0.7 V rms at 50 kilohms
Recommended load impedance over 10 kilohms

General

Power requirements

- Sony BP-DM10 Rechargeable battery: 2.4 V DC, Ni-Cd, 650 mAh
- Sony BP-DM20 Rechargeable battery: 2.4 V DC, Ni-MH, 1,200 mAh
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack):
U2.CA2.E92: 120 V, 60 Hz
CED.E13.CN2: 220 - 230 V, 50/60 Hz
CEK: 230 - 240 V, 50 Hz
EA3: 110 - 240 V, 50/60 Hz
AU2: 240 V, 50 Hz
JEW.E33: 100 - 240 V, 50/60 Hz
- Sony CPM-300P mount plate for use on car battery: 4.5 V DC

Dimensions (w/h/d) (without projecting parts and controls)

Approx. 135 × 30.9 × 159.2 mm
(5 3/8 × 1 1/4 × 6 3/8 in.)

Mass (without rechargeable battery)

Approx. 250 g (8.8 oz)

Operating temperature

5°C - 35°C (41°F - 95°F)

No sound, or noise is heard.

- Connect the plugs firmly.
- Plugs are dirty. Clean the plugs with a dry soft cloth periodically.

"Hi dc 1 n" appears in the display.

- Use only the supplied AC power adaptor or recommended AC power adaptor AC-E45HG (not supplied).

"Hold" appears in the display when you press a button.

- The buttons are locked. Slide HOLD back.

"Low batt" appears in the display when you press a button.

- The rechargeable battery is used up completely. Connect the AC power adaptor and charge the battery.
- The dry batteries are used up. Replace them with new ones.

The battery life is short.

- Manganese batteries are used. Use alkaline batteries.
- Replace the batteries with new ones.

The volume is limited to a certain level even if you attempt to turn it up.

- AVLS selector is set to LIMIT. Set it to NORM.

Supplied accessories

- AC power adaptor (1)
- Car battery cord (1)
- Car connecting pack (1)
- Velcro tapes (2)
- Spiral tube (1)
- Spare fuse (1)
- Connecting cord (Phono plug × 2 ↔ stereo miniplug) (1)*
- Stereo headphones (1)
- Wireless remote commander (1)
- *Not supplied with U2 model

Design and specifications are subject to change without notice.

Recommended accessories

- Active speaker system SRS-A21, SRS-A41, SRS-A71
- Rechargeable battery BP-DM10, BP-DM20
- Connecting cord RK-G129HG
- AC power adaptor AC-E45HG
- Stereo headphones MDR-35, MDR-E848

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