

# Compact Disc Compact Player

## Operating Instructions

### About area code

The area code of the player you purchased is shown on upper left of the bar code label on the package. For accessories supplied with your player, check the area code of your model and refer to "Supplied accessories" toward the end of this manual.



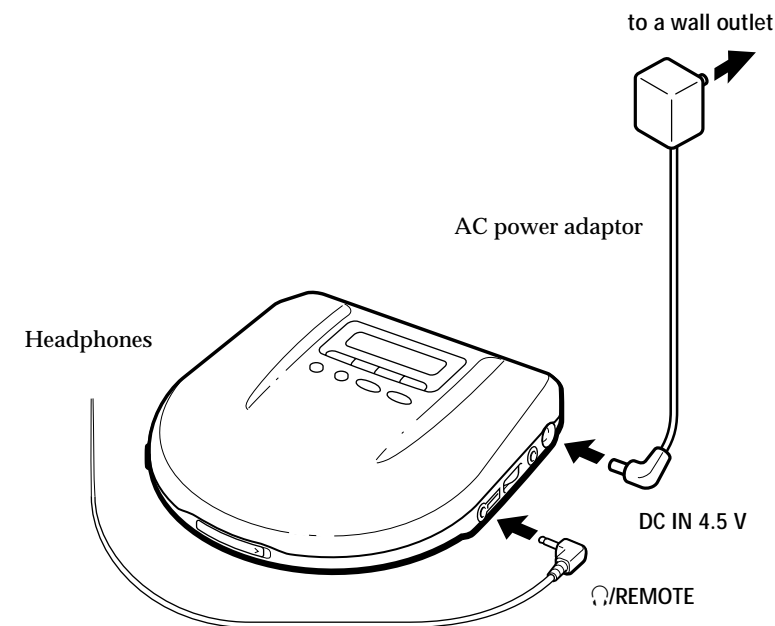
D-E771  
D-E776CK

Sony Corporation ©1999 Printed in Malaysia

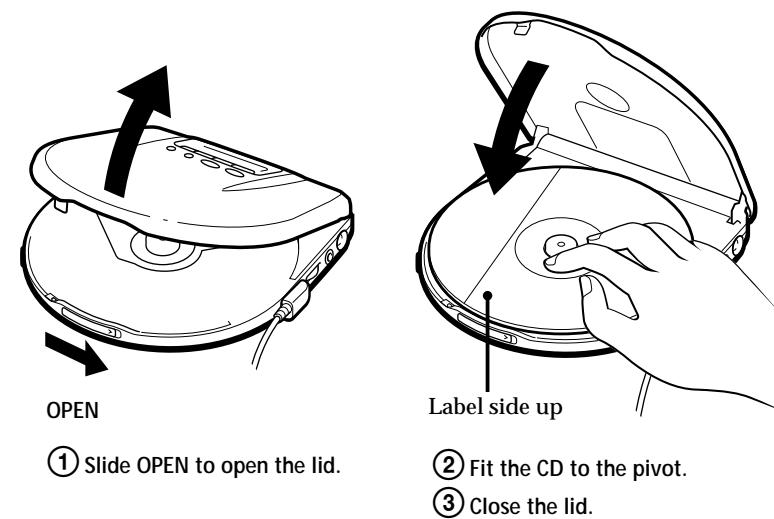
# Playing a CD right away!

If you want to play a CD right now, choose to use your player on house current. Other choices are the following three: rechargeable battery, dry batteries (see "Power Sources" on the reverse side) and car battery.

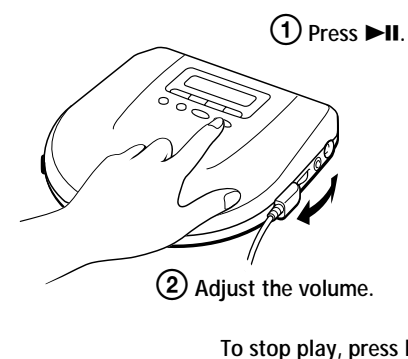
## 1 Connect



## 2 Place a CD



## 3 Play



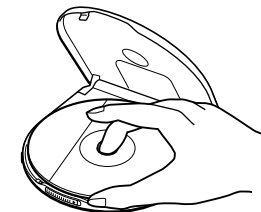
To	Press
Pause	⏸
Resume play after pause	▶▶
Find the beginning of the current track (AMS*)	⏮ once**
Find the beginning of previous tracks (AMS)	⏮ repeatedly**
Find the beginning of the next track (AMS)	▶▶ once**
Find the beginning of succeeding tracks (AMS)	▶▶ repeatedly**
Go forward quickly	Hold down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

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

If you press REPEAT/ENTER on the player to display "◀", you can locate the tracks continuously in the following order:

- When using ▶▶▶: next track → next track ..... last track → first track → second track .....  
• When using ⏮: previous track → previous track ..... first track → last track .....

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



### 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.

### Notes on handling CDs

- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stick 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.

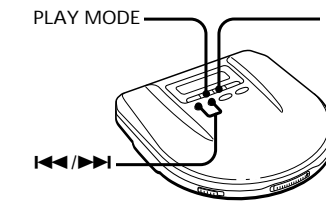


Not these ways

## ▶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, only one track or the specified part within the same track.



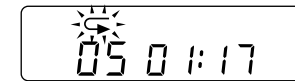
**To repeat all the tracks**  
Press REPEAT/ENTER during play. The "◀" indication appears.



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.

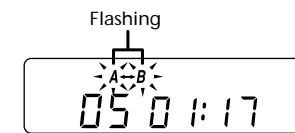


To repeat another track, press ⏮ or ▶▶.

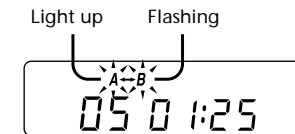
To cancel repeat play, press REPEAT/ENTER again.

### To repeat the specified part within the same track (LOOP Play)

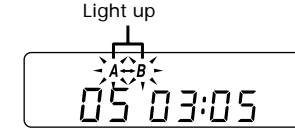
1 During play, press PLAY MODE repeatedly until "A↔B" flashes in the display.



2 Press REPEAT/ENTER to set the point (point A) where you want to start repeat play. Point A is stored in the memory.



3 Press REPEAT/ENTER again to set the point (point B) where you want to stop repeat play. Point B is stored in the memory, and repeat play starts from point A.



To change points A and B, press and hold REPEAT/ENTER until "A↔B" flashes in the display, then do steps 2 and 3 again.

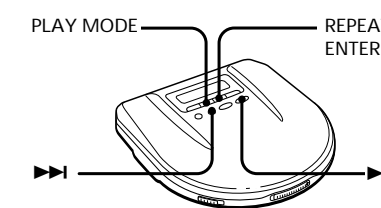
To set points A and B on other tracks, press ⏮ or ▶▶ to select another track, then do steps 2 and 3 again.

If you press ■, the stored points will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

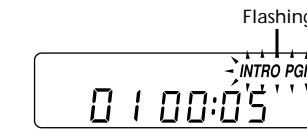
To cancel repeat play, press PLAY MODE until "A↔B" disappears from the display.

### 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 player plays about 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.

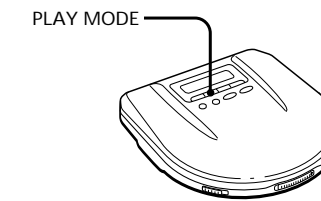
To finish programming before going through the whole CD, press ▶▶. The selected tracks will be played.

If you press ■, the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

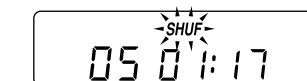
To cancel INTRO PGM play, press PLAY MODE repeatedly until the play mode indication disappears from the display.

### 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.



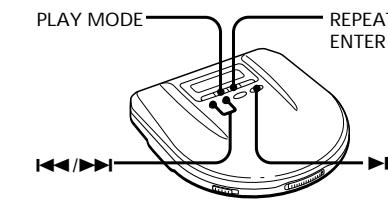
To cancel shuffle play, press PLAY MODE repeatedly until the play mode indication disappears from the display.

### Note

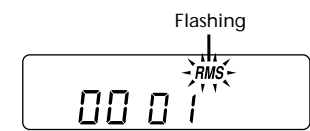
- During shuffle play, you cannot return to previous tracks by pressing ⏮.

### Playing tracks in the order you want (RMS play)

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

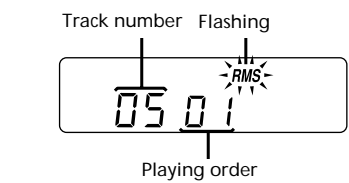


1 During play, press PLAY MODE repeatedly until "RMS\*" flashes.



\*RMS = Random Music Sensor

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.

If you press ■, the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

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

### 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.

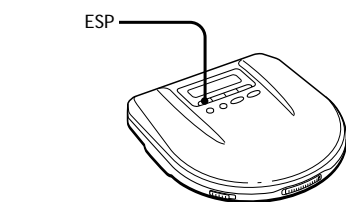
Continue to the reverse side →



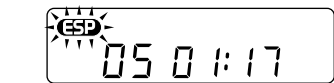
## Using other functions

### To minimize skipping (ESP<sup>2</sup>)

The ESP (Electronic Shock Protection) function minimize skipping by using a buffer memory that stores music data and plays it back in the event of a shock. The new ESP<sup>2</sup> (ESP Squared) system uses a new DSP (Digital Signal Processor) which can read and store music data more efficiently, providing a level of continuous skip protection not found in traditional buffer memory units. This decreases the frequency of sound skipping and the need to utilize the buffer memory. Use this function when listening in a car or while walking.\* Although ESP<sup>2</sup> provides excellent protection against skipping, it will not prevent skipping while jogging or running.



Press ESP. The ESP indication appears.



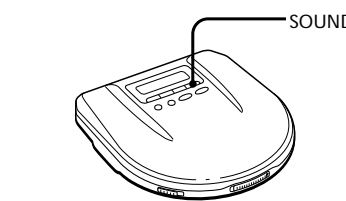
To release the ESP function, press ESP again.

### Notes

- Playing may stop when the player 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 player receives continuous shock.
- Sound may drop for a while if you press ESP during play.
- When you use an optical digital connecting cord, the ESP function will be disabled.

### To enjoy more powerful bass sound (Sound function)

You can enjoy a powerful bass-boosted sound.



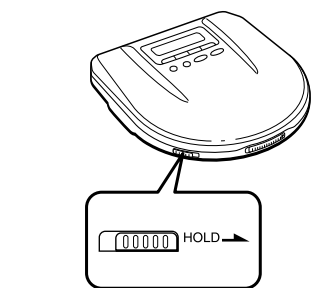
Press SOUND to select "MB (Mega Bass)" or "GRV (Groove)." "GRV" is more effective.

### Note

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

### To lock the buttons

You can lock your player against any accidental operations. You can still operate the player with the remote control.

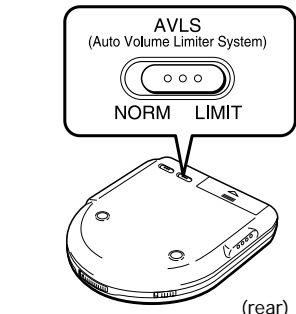


Slide HOLD in the direction of the arrow. When you press any button, "Hold" appears in the display and you cannot operate the player.

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.

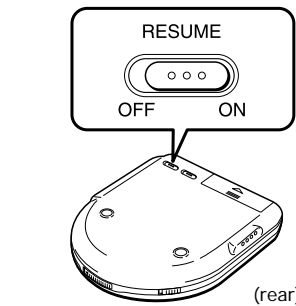


### Note

- If you use the SOUND function and the AVLS function at the same time, sound may be distorted. If this happens, turn down the volume.

### 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 player.



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

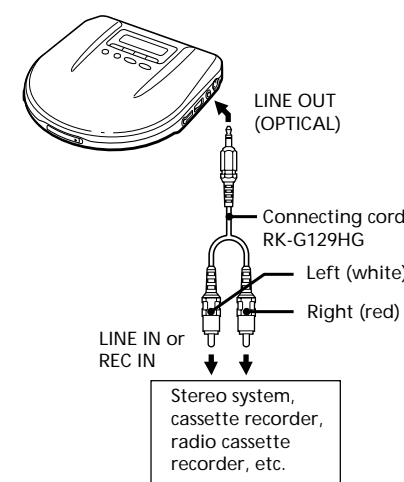
You can turn off the beep that sounds as you operate your player.

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 ■.

## Connecting to other stereo equipment

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

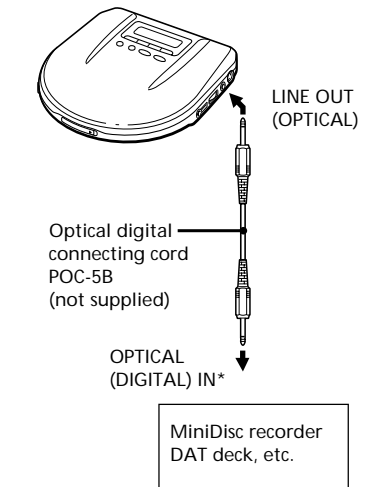
### Using the connecting cord



### Note

- When you use a connecting cord, the SOUND function will be disabled.

### Using the optical digital connecting cord



\*If the OPTICAL (DIGITAL) IN jack is square-shaped, use the POC-5AB optical digital connecting cord instead.

### Notes on connecting to other stereo equipment

- 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 (OPTICAL) jack.
- When you connect other equipment to the LINE OUT (OPTICAL) jack of this player, adjust the volume on the connected equipment.
- 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 does not work.
- Use the AC power adaptor for recording. If you use the rechargeable batteries or dry batteries as a power source, batteries may become weak during recording.

### Recording with optical digital connection

Record a CD on a MiniDisc, DAT, etc., according to the following procedure.

- Press ►| on the player to start play.
- Press ►| again to pause.
- Press ◀◀/▶▶ to select the track you want to record.
- Press ● (record) on the MiniDisc recorder, DAT recorder, etc.
- Press ►| on the player to release pause.

### Notes

- Connect the optical digital connecting cord while the player is in stop mode.
- If you record without pausing the player, some CD may have problem with recording the first track number correctly.
- The SOUND function works on the output from the ◀/REMOTE jack, but does not work on that from the LINE OUT (OPTICAL) jack.
- When use an optical digital connecting cord, the ESP function will be disabled.

### Playing a CD in a car

You can use your player in a car by connecting it to the car cassette deck.

You cannot use the car mount plate for this player.

When you use the player in a car, install it securely in a location which does not interfere your driving.

To connect your player to a car cassette deck, you need the following accessories:

- Car connecting pack CPA-9
  - Car battery cord DCC-E245
- or,
- Car battery cord with car connecting pack DCC-E26CP

Refer to the instruction manual of each accessory for details.

### Notes

- Do not put the player on the dashboard.
- Do not leave the player in a car parked under sunlight.
- Use a Sony car connecting pack for reducing noise.
- Use only the car battery cord listed in the optional accessories. If you use any other car battery cord, smoke, fire or malfunction may occur.

### Switched ignition function (when using the car battery cord)

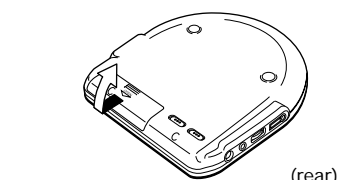
With this feature, your player stops automatically when you turn off the engine of the car. (This function is not possible with some cars depending on the model).

## Power Sources

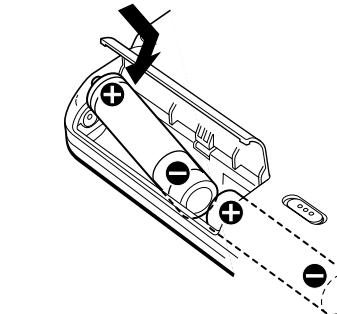
### Using rechargeable batteries

Charge the rechargeable batteries before using them for the first time. Use the NH-DM2AA or NC-DMAA rechargeable batteries for this player. You cannot use any other rechargeable batteries.

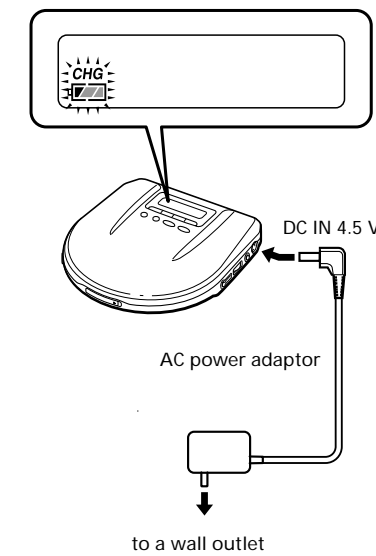
- Open the lid of the battery compartment.



- Insert two rechargeable batteries by matching the ⊕ and ⊖ to the diagram inside the battery compartment and close the lid.



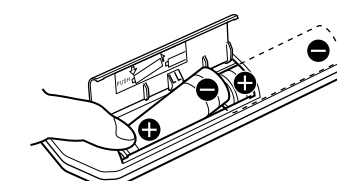
- Connect the AC power adaptor. The indication "CHG" lights up. Charge for about 4 hours. (If the battery has been already charged, "CHG" and flash.)



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

### To take out the rechargeable batteries

Take out the batteries in the proper way as illustrated inside the lid or shown below.



### When to charge the rechargeable batteries

When the rechargeable batteries become weak, indication appears in the display. If the "Lo batt" appears in the display, charge the rechargeable batteries, because the batteries are used up. To keep the original battery capacity for a long time, recharge the batteries when the batteries are used up (discharged).

### When carrying the rechargeable battery

Make sure to use the supplied battery carrying case. If you carry the rechargeable battery with a metal object, short circuit, smoke or fire may occur.

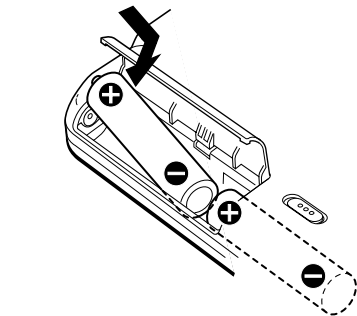
### Notes

- 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 NH-DM2AA/NC-DMAA rechargeable battery. Do not use any other rechargeable battery.

## Using dry batteries

Insert the batteries properly in the same way as the rechargeable batteries.

- Disconnect the AC power adaptor and open the lid of the battery compartment.
- Insert two LR6 (size AA) alkaline batteries by matching the ⊕ and ⊖ to the diagram inside the battery compartment and close the lid.



### Note

- Do not use manganese batteries for this player.

### To take out the dry batteries

Take out the batteries properly in the same way as the rechargeable batteries.

### When to replace the dry batteries

When the battery becomes weak, indication appears in the display. If the batteries are used up, "Lo batt" 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.
- When the batteries are not to be used for a long time, remove them.
- If the battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries.

### Battery life (approx. hours) (EIAJ\*)

Battery life varies depending on how the player is used.

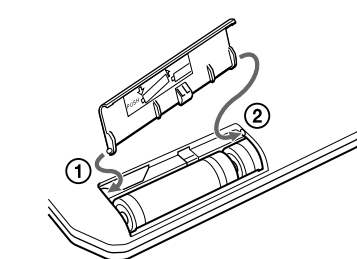
When using	ESP function	
	off	on
Two NH-DM2AA (charged for about 4 hours**)	13	12
Two NC-DMAA (charged for about 4 hours**)	8	7
Two Sony alkaline batteries LR6SG	23	21

\*Measured value by the standard of EIAJ (Electronic Industries Association of Japan) (When you use the player on a flat and stable place; When you do not use the optical digital connecting cord)

\*\*Charging time varies depending on how the rechargeable battery is used.

### How to attach the battery compartment lid

If the battery compartment lid is detached by an accidental drop, excessive force, etc., attach it as illustrated in the numbered order.



## Additional Information

### Precautions

#### On safety

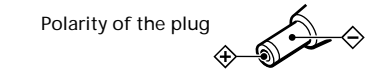
- Should any solid objects or liquid fall into the player, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

#### On power sources

- When you are not using the player for a long time, disconnect all power sources from the player.

#### On the AC power adaptor

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



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

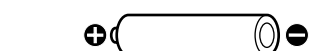
#### On dry and rechargeable batteries

This player is designed so that it cannot charge any other rechargeable batteries or dry batteries for safety reasons.

Rechargeable batteries NH-DM2AA/NC-DMAA



Other rechargeable batteries or dry batteries



When you replace the rechargeable batteries with new ones, make sure to use the NH-DM2AA/NC-DMAA rechargeable batteries.

- Do not throw the batteries into fire.
- Do not carry the batteries 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.
- Do not mix rechargeable batteries with dry batteries.

#### On the player

- Keep the lens on the player clean and do not touch it. If you do so, the lens may be damaged and the player will not operate properly.
- Do not put any heavy object on top of the player. The player and the CD may be damaged.
- Do not leave the player in a location near heat sources, dust 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 player causes interference to the radio or television reception, turn off the player or move it away from the radio or television.
- Do not wrap the player in a cloth or blanket during use as it may cause malfunction or serious accidents.

#### On headphones/earphones

##### Road safety

Do not use headphones/earphones 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/earphones 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.

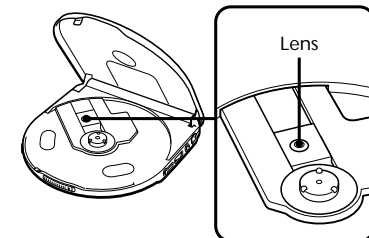
##### Caring for others

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 player.

- The CD is dirty or defective.
- Insert the CD with the label side up.
- Moisture condensation has occurred. Leave the player aside for several hours until the moisture evaporates.
- The lens is dirty.
- Close the lid of the player 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 ►|, "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.

### No sound, or noise is heard.

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

### "Hi dc in" appears in the display.

- Use only the supplied AC power adaptor or AC power adaptor AC-E45HG (not supplied).
- Use only the car battery cord listed in the optional accessories.

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

- The buttons are locked. Slide HOLD back.

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

- The rechargeable batteries are used up completely. Connect the AC power adaptor and charge the batteries.
- 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.
- The earphones are connected to the LINE OUT jack. Connect them to the ◀/REMOTE jack.

### During recording with optical digital connection, the track number cannot be recorded correctly.

- Record the track number again using the MiniDisc recorder, DAT recorder, etc.
- Record again according to the procedure shown in the section "Connecting to other stereo equipment."

## Specifications

### CD player section

#### System

Compact disc digital audio system

#### Laser diode properties

Material: GaAlAs  
Wavelength: λ = 780 nm  
Emission duration: Continuous  
Laser output: Less than 44.6 μW (This output is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

#### 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 ±1 dB (measured by EIAJ CP-307)

#### Output (at 4.5 V input level)

Headphones (stereo minijack)  
Approx. 15 mW + approx. 15 mW at 16 ohms  
Line output (stereo minijack)  
Output level 0.7 V rms at 47 kilohms  
Recommended load impedance over 10 kilohms  
Optical digital output (optical output connector)  
Output level: -21 - -15 dBm  
Wavelength: 630 - 690 nm at peak level

### General

#### Power requirements

For the area code of the model you purchased, check the upper left side of the bar code on the package.

- Two Sony NH-DM2AA rechargeable batteries: 2.4 V DC
- Two Sony NC-DMAA rechargeable batteries: 2.4 V DC
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack): U2/CA2/E92 model: 120 V, 60 Hz  
CED/CEX/CET/EE1/E13 model: 220 - 230 V, 50/60 Hz  
CEK model: 230 - 240 V, 50 Hz  
EA3 model: 110 - 240 V, 50/60 Hz  
AU2 model: 240 V, 50 Hz  
JE/W/E33 model: 100 - 240 V, 50/60 Hz  
HK2 model: 220 V, 50/60 Hz  
CN2/ARI model: 220 V, 50 Hz
- Sony DCC-E245 car battery cord for use on car battery: 4.5 V DC

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

Approx. 131.8 × 23.9 × 142.0 mm (5 1/4 × 3/8 × 5 5/8 in.)

#### Mass (without rechargeable batteries)

Approx. 200 g (7.0 oz)

#### Operating temperature

5°C - 35°C (41°F - 95°F)

### Supplied accessories

For the area code of the model you purchased, check the upper left side of the bar code on the package.

#### D-E771

AC power adaptor (1)  
Headphones (1)

#### D-E776CK

AC power adaptor (1)  
Headphones (1)  
Car battery cord (1)  
Car connecting pack (1)  
Velcro tape (2)  
Spare fuse (1)  
Spiral tube (1)

Design and specifications are subject to change without notice.

### For US customers

AC power adaptor supplied is not intended to be serviced. Should the AC power adaptor cease to function in its intended manner, during the warranty period, the adaptor should be returned to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or after warranty period, it should be discarded.

### Optional accessories

Car connecting pack CPA-9  
Car battery cord with car connecting pack DCC-E26CP  
Car battery cord DCC-E245  
Active speaker system SRS-A21, SRS-A41, SRS-A71  
Rechargeable battery NH-DM2AA, NC-DMAA (2P)  
Connecting cord RK-G129HG  
Optical digital connecting cord POC-5B, POC-10B, POC-15B, POC-5AB, POC-10AB, POC-15AB  
AC power adaptor AC-E45HG  
Stereo headphones MDR-35, MDR-E848LP

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

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