

Compact Disc Compact Player

Operating Instructions



D-840K

D-842K

D-844K

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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.

About this manual

The instructions in this manual are for the D-840K, D-842K and D-844K. Before you start reading, check your model number. Any differences in appearance or operation of the three models are clearly indicated in the text, for example, "D-844K only." For the accessories supplied with your Discman, check your model number and refer to "Supplied Accessories" towards the end of this manual.

Owner's Record

The model number is located at the bottom and the serial number is located inside the battery compartment. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____ 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.

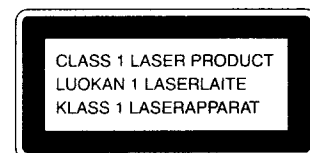
INFORMATION

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 the U.K.



This Compact Disc player is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT label is located on the bottom exterior.

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.


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

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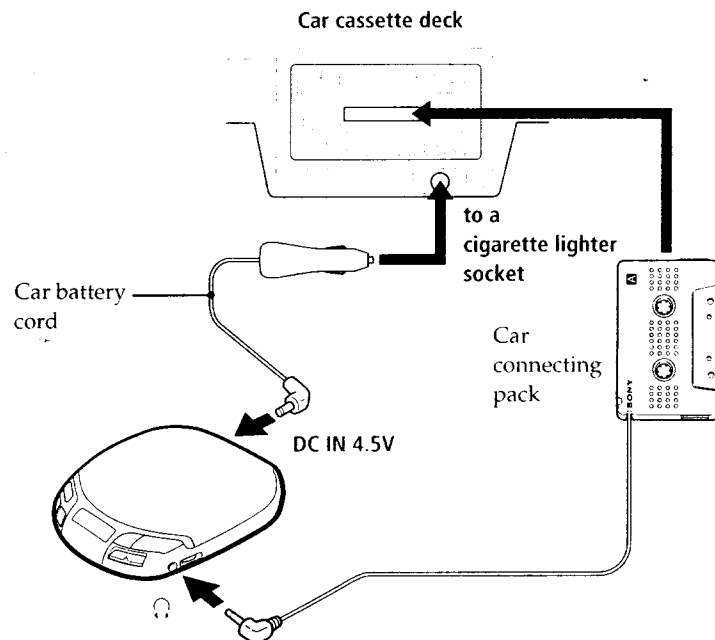
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Playing a CD in a car

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 page 16.)
For how to install in a car, see pages 13 - 15.

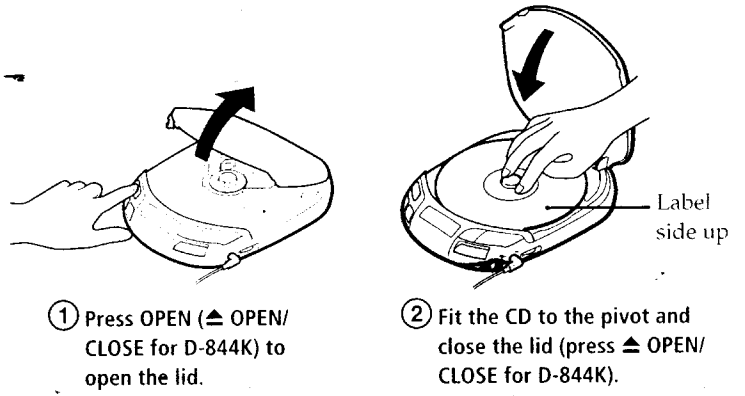


Connect



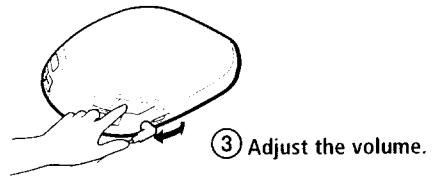
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Place a CD



Play

- ① Start playback on the car cassette deck.
- ② Press \blacktriangleright II.



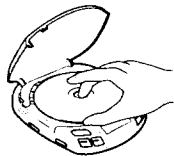
To stop play, press \blacksquare STOP/DISPLAY OFF.

To	Press
Pause	▶
Resume play after pause	▶
Find the beginning of the current track (AMS*)	◀◀ once**
Find the beginning of the previous tracks (AMS)	◀◀ repeatedly**
Find the beginning of the next track (AMS)	▶▶ once**
Find the beginning of the 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.



To remove the car connecting pack

Press the ▲ (eject) button of the car cassette deck.

Notes on opening and closing the lid (D-844K only)

- When you press ▲ OPEN/CLOSE, be careful not to pinch your fingers between the lid and the unit.
- If your fingers are pinched while the lid is opening or closing, open the lid. The lid is designed to open in such a case.
- After you have inserted a CD, you can close the lid by pressing ▶||.

Notes on the car cassette deck

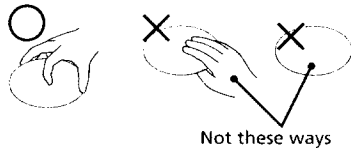
- Turn down the volume.
- Set the tape selector to the normal (TYPE I) position, and the DOLBY NR, REPEAT or BLANK SKIP switch to OFF if they are equipped.

Notes on display

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

Notes on handling CDs

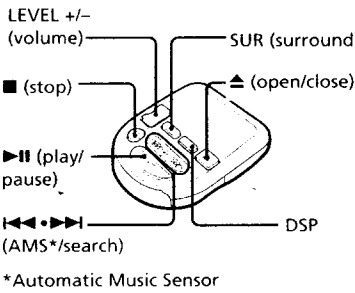
- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stick paper or tape onto the CD.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts. Do not leave the CD in a car parked in direct sunlight.



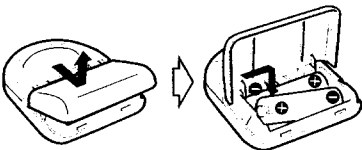
►Other Operations

Using the remote control (D-844K only)

You can operate the remote control only when the power is supplied through the DC IN 4.5 V jack.
The buttons on the remote control have the same function as those with the same names on the main unit.



How to install batteries



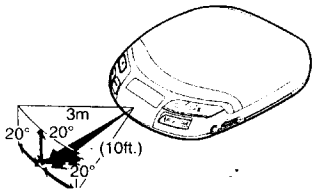
Insert two R6 (size AA) batteries (not supplied) into the battery compartment.

When to replace the batteries

The batteries usually last for about 3 months.
When the remotely controllable area becomes smaller or the illumination of the buttons becomes darker, replace all the batteries with new ones.

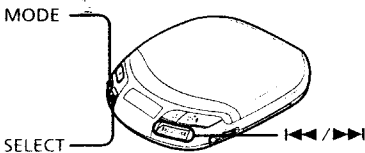
To adjust the volume
Press LEVEL + or - button.
The volume is displayed in 10 steps from "01" to "10".

Controllable area
Controllable area is as illustrated. Point the remote control towards the remote sensor of the unit.



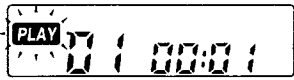
Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, and shuffle play modes. Repeat all the tracks or only one track.

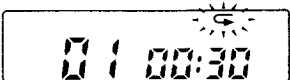


To repeat all the tracks

- 1 Press MODE repeatedly during play until "PLAY" appears.



- 2 Press SELECT repeatedly until the "↺" indication appears.



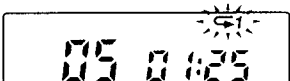
To cancel repeat play, press SELECT repeatedly until no play mode indication is displayed.

To repeat a single track

- 1 Press MODE repeatedly until "PLAY" appears, while the track you want to repeat is playing.



- 2 Press SELECT repeatedly until the "↺" indication appears.

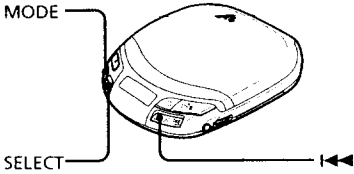


To repeat another track, press ⏮ or ⏭.

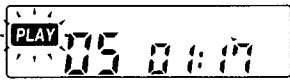
To cancel repeat play, press SELECT repeatedly until no play mode indication is displayed.

Playing tracks in random order (Shuffle Play)

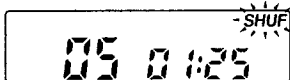
You can play the tracks in a CD in random order.



- 1 Press MODE repeatedly during play until "PLAY" appears.



- 2 Press SELECT repeatedly until the "SHUF" indication appears. The tracks play in random order.



To cancel shuffle play, press SELECT repeatedly until no play mode indication is displayed.

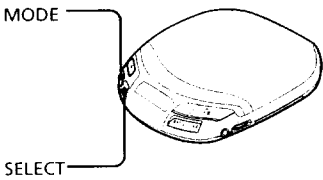
Note

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

Using other functions

To select audio emphasis (DSP)

You can enjoy four types (D-844K) / two types (D-840K/842K) of sound effects with the DSP (Digital Signal Processor) function.



- 1 Press MODE repeatedly during play until "DSP" appears .



- 2 Press SELECT repeatedly until the effect you want appears. Each time you press SELECT, the DSP mode cycles as listed below:

DSP mode	Select to
BASS ■	Emphasize bass. "BASS ■■" is more effective.
BASS ■■	
CAR ■ *	Improve audibility in a noisy place such as in a car. "CAR ■■" is more effective.
CAR ■■ *	

* D-844K only

To select audio emphasis using the remote control, press DSP repeatedly. (D-844K only)

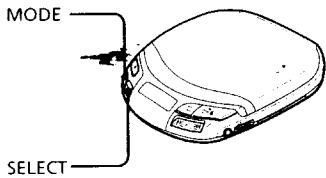
To cancel the DSP function, press SELECT repeatedly until no DSP indication is displayed.

Note

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

To enjoy surround effect (D-844K only)

You can add a rich and spacious effect to the original sound. "(((SUR)))" is more effective than "((SUR))".



- 1 Press MODE repeatedly until "SUR" appears.



- 2 Press SELECT repeatedly until the effect you want appears.

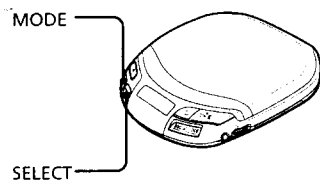


To cancel the surround effect, press SELECT repeatedly until no indication appears.

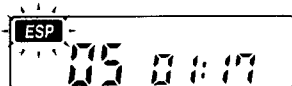
To enjoy surround effect using the remote cntrol, press SUR repeatedly.

To prevent sound from skipping

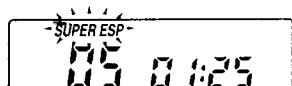
The SUPER ESP (Super Electronic Shock Protection) (D-844K/842K) or ESP (D-840K) function prevents the sound from skipping by using a buffer memory that stores music data for about 10 seconds (D-844K/842K) or 3 seconds (D-840K). Use this function when listening during a walk or playing in a car.



- 1 Press MODE repeatedly until the "ESP" indication appears.



- 2 Press SELECT repeatedly until "SUPER ESP" (D-844K/842K) or "ESP" (D-840K) appears.



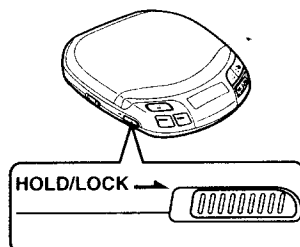
To cancel the SUPER ESP (D-844K/842K) or ESP (D-840K) function, press SELECT repeatedly until no ESP mode indication is displayed.

Notes

- Playing may stop when the Discman gets a strong shock even when the SUPER ESP or ESP function is on.
- When you record a CD on a cassette tape using a tape recorder that has a blank search function, cancel the SUPER ESP or ESP function.
- If you 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, set the SUPER ESP or ESP function to off.
- Sound may skip if you set the SUPER ESP or ESP function to on during play.

To lock the buttons and the lid

You can lock your Discman and the lid to prevent accidental operation.



Slide HOLD/LOCK in the direction of the arrow.

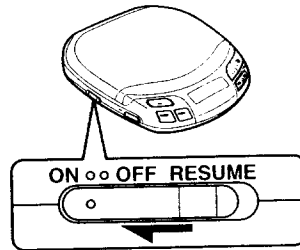
When you press any button, "Hold" appears.

For D-844K, you can still operate the unit with the operation buttons on the remote control.

To unlock, slide HOLD/LOCK back.

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.

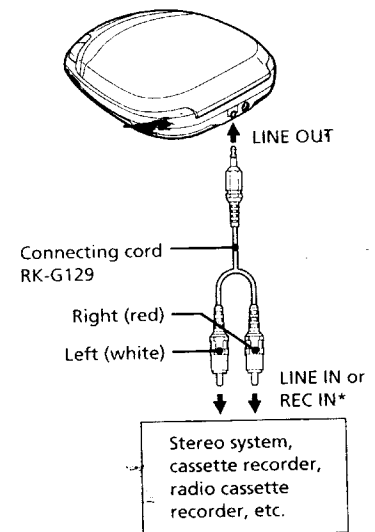
While you press and hold down ■ STOP/DISPLAY OFF, connect the power source.

To listen with the headphones

Connect the headphones to the  jack firmly.

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 other equipment for details. Before making connections, turn off each equipment.



* To connect an equipment without LINE IN nor REC IN jack, use the RK-G134 connecting cord and connect to MIC jack.

Notes

- Before you play the CD, turn down the volume of the connected equipment so as not to damage the connected speakers.
- To output the original sound, cancel the DSP and surround functions (see page 10.)

►Installing in a Car

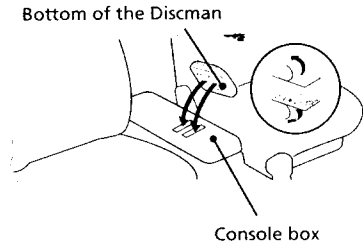
Where to place your Discman

- 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.

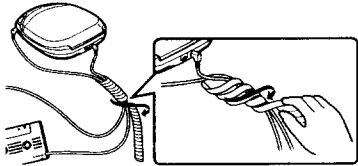


Note

- 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.

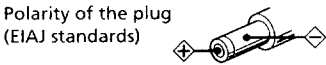
To route the cord

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



Note on the car battery cord

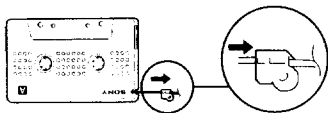
The 4.5V DC plug supplied with car battery cord conforms to the proposed standards of the Electronic Industries Association of Japan (EIAJ). Do not connect it to other Discman.



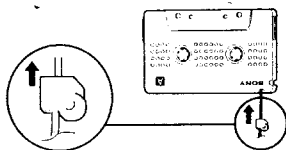
Preparing the car connecting pack

If you have a car cassette deck with a tape head at the right or left side, you can use the car connecting pack as it is. If you have a car cassette deck with a tape head inner, change the side where the cord exits as follows:

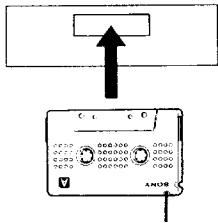
- 1 Take out the part as shown.






- 2 Change the side where the cord exits and reattach the part.



- 3 Insert the car connecting pack into the car cassette deck.



Tape transport direction
Change the tape transport direction, if necessary.

A tape head of the car cassette deck	Tape transport direction
 at the right	Set to play back the Side A of the cassette.
 at the left*	Set to play back the Side B of the cassette.
 inner	Set to play back the Side A of the cassette.

* The cassette deck should have a reversible playback head.

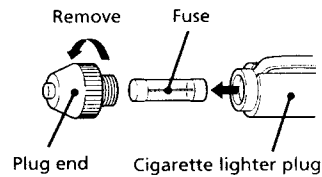
Notes

- 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 deck.
- 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.

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.



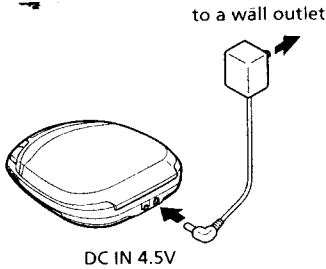
Notes

- 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.

►Power Sources

Using AC power adaptor

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

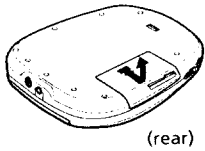


For models supplied with the AC plug adaptor
If the AC power adaptor does not fit the wall outlet, use the AC plug adaptor.

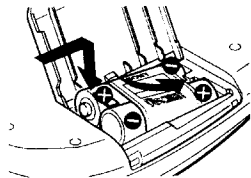
Using rechargeable battery (BP-DM10)

Charge the rechargeable batteries before using them for the first time.

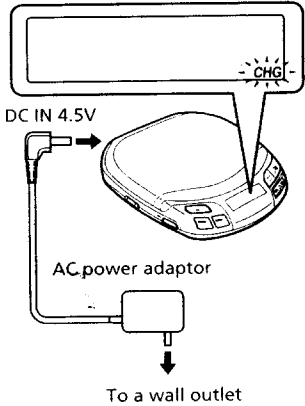
- 1 Open the lid of the battery compartment.



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




- 3 Connect the AC power adaptor and charge for about 3 hours. The indication "CHG" lights up until charging is completed.



- 4 When fully charged, disconnect the AC power adaptor.

When to charge the battery

When the battery is used up,  indication appears in the display. Charge the rechargeable battery.

Battery life

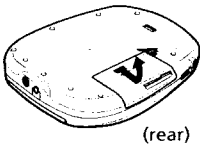
When you use the Discman on a flat and stable place, approx. 2.5 hours (with SUPER ESP/ESP on) and 3.5 hours (with SUPER ESP/ESP off) of continuous play is possible.

Notes

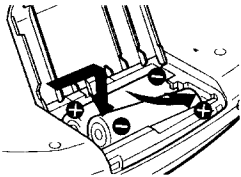
- Charging time varies depending on how the rechargeable battery is used.
- If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.
- If the battery life reduces by about half, replace it with Sony BP-DM10 rechargeable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

Using dry batteries


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



- 2** Insert two LR6 (size AA) alkaline batteries by matching the ⊕ and ⊖ to the diagram inside the battery case and close the lid.



When to replace the dry batteries

When the battery is used up,  indication appears in the display. Replace all the batteries with new ones.

Battery life

When you use the Discman on a flat and stable place, approx. 5 hours (with SUPER ESP/ESP on) and 7 hours (with SUPER ESP/ESP off) of continuous play is possible.

Notes

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

► 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 on the bottom. (On the AC power adaptor for Middle East only.)

On the AC power adaptor

- Use only the supplied AC power adaptor. Do not use any other AC power adaptor.

Polarity of the plug
(EIAJ standards)



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

On dry and rechargeable batteries

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

On the unit

- Keep the lens on 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, unlevel surface, or in a car with its windows closed.
- If the unit causes interference to the 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.

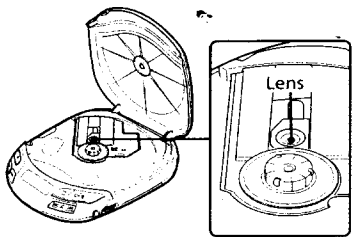
Caring for others

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, benzine 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.

No sound, or noise is heard.

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

"Hi disc" 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/LOCK back.

The lid will not open.

- The lid is locked. Slide HOLD/LOCK back.

The battery life is short.

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

Specifications

System
Compact disc digital audio system

Laser diode properties
Material: GaAlAs
Wavelength: λ =780 nm
Emission duration: Continuous
Laser output power: 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 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 \pm 1 dB (measured by EIAJ CP-307)

Output (at 4.5 V input level)
Headphones (stereo minijack)
20 mW + 20 mW at 16 ohms
Line output (stereo minijack)
Output level 0.75 V rms at 47 kilohms
Recommended load impedance over 10 kilohms

General

Power requirements

- Sony BP-DM10 rechargeable battery: 2.4 V DC, Ni-Cd, 650 mAh
- Two LR6 (size AA) batteries: 3 V DC
- AC power adaptor (DC IN 4.5 V jack):
220 - 230 V, 50 Hz (European and Asian model)
120 V, 60 Hz (USA, Canadian, Central and South American model)
110 - 240 V, 50/60 Hz (Middle Eastern model)
240 V, 50 Hz (U.K. and Australian model)
100 - 240 V, 50/60 Hz (Model for other countries)
- Car battery (DC IN 4.5 V jack): 4.5 V DC

Dimensions (w/h/d) (incl. projecting parts and controls)
Approx. 140 x 33.3 x 166.5 mm (5 $\frac{5}{8}$ x 1 $\frac{1}{16}$ x 6 $\frac{5}{8}$ in.)

Mass (excl. rechargeable batteries)
D-840K/D-842K: Approx. 295.5 g (10.4 oz)
D-844K: Approx. 313 g (11 oz)

Operating temperature
5°C - 35°C (41°F - 95°F)

Supplied accessories
AC power adaptor (1)
Car battery cord (1)
Car connecting pack (1)
Velcro tapes (2)
Spiral tube (1)
Spiral case (1)
Connecting cord (Phono plug \times 2 \leftrightarrow stereo miniplug) (1)*
Wireless remote control (1)**
Stereo headphones (1)***
*Not supplied with USA model
**Supplied with D-844K only
***Supplied with D-840K/844K for the European Continent

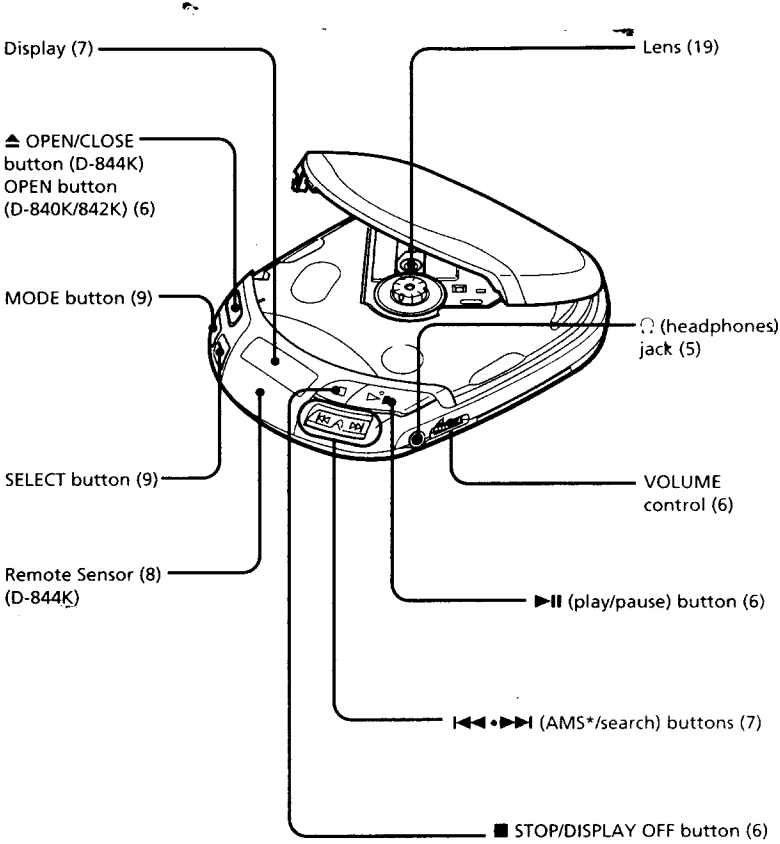
Design and specifications are subject to change without notice.

Recommended accessories
Car connecting kit CPA-85U
Active speaker system SRS-A50
Rechargeable battery BP-DM10
Connecting cord RK-G129
AC power adaptor AC-E45HG
Car battery cord DCC-E245HG
Car connecting pack CPA-8

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

Parts identification

For explanation of the use of each part, refer to the pages indicated in parentheses.
For the supplied remote control, see "Using the remote control" on page 8. (D-844K only)



* AMS: Automatic Music Sensor

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