

## Compact Disc Compact Player



# D-130

# D-131

# D-132CK

# D-133

## Operating Instructions

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

The instructions in this manual are for 4 models. Any differences in operation are clearly indicated in the text, for example, "supplied only with D-133".

# Discman

Sony Corporation © 1994 Printed in Malaysia

## Owner's Record

The model number and the serial number are located at the bottom. Record these numbers in the spaces provided below. Refer to these numbers 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.

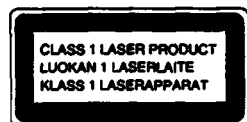
## INFORMATION (For the Customers in U.S.A.)

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 United Kingdom



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 Canada

THIS APPARATUS COMPLIES WITH THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS SET OUT IN RADIO INTERFERENCE REGULATIONS.

# Disc Playing

**1** Put the disc in.

**2** Connect the supplied headphones.

**3** Press ▶|◀.

**4** Adjust the volume.

## Other operations

Operation	Press
To pause	▶ ◀
To release pause	▶ ◀
To stop	■
To locate the beginning of the current track/previous tracks—AMS	◀ ◀ lightly/repeatedly
To locate the beginning of the next track/tracks—AMS	▶ ▶ lightly/repeatedly
To go back at high speed (search)	Keep ◀ ◀ depressed
To go ahead at high speed (search)	Keep ▶ ▶ depressed

- The unit pauses at the beginning of the located track when you press ◀|◀ or ▶|▶ briefly in the pause mode.
- During RMS (program) play, the AMS operates in the programmed order (see "Various Playing Modes").

### To remove the disc

Pick up the disc, holding the edge, while pressing the pivot gently as illustrated.



**To play an 8 cm (3-inch) disc**  
You can play it without an adaptor.

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



### Notes

- The effect of the BASS BOOST function may be decreased according to the position of the volume control or the recording level of a disc.
- Sound may be cracked or distorted if you set the volume too high. In this case, turn down the volume.

### To limit the volume at a moderate level

The AVLS (Automatic Volume Limiter System) selector allows you to limit the maximum volume of your unit.

- When the AVLS selector is set to either position 1 or 2, the volume will be kept at a moderate level, even if you attempt to turn the volume up higher.
- When the AVLS selector is set to either position 1 or 2, the playback sound may be distorted or unstable depending on the music (especially bass boosted part). If this happens, turn down the volume.
- When the AVLS selector is turned off, you will be able to enjoy the full volume capability of your unit.



# Various Playing Modes

This unit has 10 playing modes: INTRO play, one-selection play, shuffle play, RMS\* (program) play, normal play and repeat play of each mode.  
\* RMS: Random Music Selector

### To change the mode

Press PLAY MODE during play. The current mode appears in the display window.

### To play repeatedly (repeat play)

Press REPEAT/ENTER. "RE" appears in the display window.  
Press again to cancel the repeat play.

### To stop the disc

Press ■.

## Playing the Whole Disc — Normal Play

There is no indication in the display window. To repeat the whole disc, press REPEAT/ENTER.

## Playing the First About Ten Seconds of All the Selections — INTRO Play

**1** Press PLAY MODE during play until "INTRO" flashes in the display window.



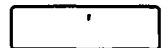
**2** Press ▶|◀. "INTRO" stops flashing and playing starts.

To repeat INTRO play, press REPEAT/ENTER.

To listen to the selection to end during INTRO play  
Press ▶|◀ again at the desired track.

## Playing Only One Track

Press PLAY MODE during play until "1" appears in the display window.

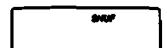


The unit plays only one track and stops at the end of the track.

To play only one track repeatedly, press REPEAT/ENTER.

## Playing the Selections in Random Order — Shuffle Play

Press PLAY MODE until "SHUF" appears in the display window.



Play starts from the next track.

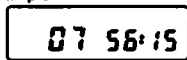
To play the tracks in random order repeatedly, press REPEAT/ENTER. After the every track has been played in random order, they will be reshuffled and played repeatedly in a different order each time.

### On display window

When you press ►||

The number of tracks in the disc and the total playing time appear for 2 seconds.

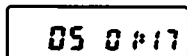
Example



Number of tracks      Total playing time

### During play

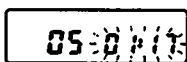
The track number and the elapsed playing time of the current track appear.



1 min. 17 sec. has elapsed from the beginning of the fifth track.

### During pause

The elapsed playing time of the current track flashes.



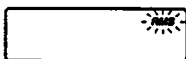
Pause mode at the point 1 min. 17 sec. from the beginning of the fifth track

### To locate the next track during shuffle play

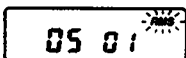
Press ►►|. You can locate the beginning of the track being played by pressing ◀◀◀; however, you cannot locate a previous track even if you keep ◀◀◀ depressed.

### Playing the Tracks in the Desired Order — RMS (Program) Play

1 Press PLAY MODE during play until "RMS" flashes in the display window.



2 Press ◀◀◀ or ►►► to select the desired track.



Track No. of the desired track      The first track desired track

3 Press REPEAT/ENTER.



The 2nd (next) track

4 Repeat steps 2 and 3 (up to 22 tracks).

If another track is entered after 22 tracks have been stored, the first track will be cleared and the new one will be stored in its place.

5 Press ►||. "RMS" stops flashing and play starts.

To repeat program play, press REPEAT/ENTER.

### Locking the Buttons

Slide the HOLD switch in the direction of the arrow to avoid accidental pressing of buttons on the unit.

When the HOLD switch is set to ON, "Hold" appears in the display window if any of the buttons on the unit is pressed.



## Troubleshooting Guide

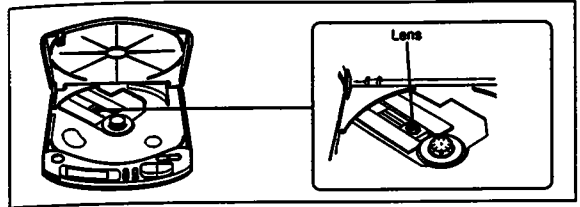
If any problem persists after you have made the following checks, consult your nearest Sony service facility.

Symptom	Cause and/or solution
Disc does not start playing.	<ul style="list-style-type: none"> <li>The disc is inserted upside down or incorrectly. → Insert the disc correctly with the label surface up.</li> <li>Dusty or defective disc</li> <li>Dirty or dusty lens</li> <li>The disc compartment lid is not closed.</li> <li>Moisture condensation → Leave the unit in a warm place until the moisture evaporates.</li> <li>The AC power adaptor is not plugged into the wall outlet.</li> <li>The mount plate is not firmly connected to a cigarette lighter socket.</li> <li>The disc is not placed on a level surface.</li> <li>The HOLD switch is set to the direction of the arrow.</li> <li>When the 12 cm CD which contains many selections is replaced with a disc with a few selections (such as CD single or CDV, etc.), it may take more than 10 seconds before play starts.</li> <li>Weak rechargeable battery or alkaline batteries</li> </ul>
No sound from the headphones	<ul style="list-style-type: none"> <li>The headphones plug is not firmly connected to the PHONES jack.</li> <li>Adjust the VOLUME control.</li> <li>Dirty plug.</li> </ul>
No sound from the connected speakers	<ul style="list-style-type: none"> <li>Check the connections.</li> <li>The amplifier is not turned on.</li> </ul>
Skipped sound	<ul style="list-style-type: none"> <li>Dirty or defective disc</li> <li>Dirty lens</li> <li>Strong vibration</li> </ul>
Disc play does not stop when you turn off the engine of the car.	<ul style="list-style-type: none"> <li>Press <b>II</b> to stop operation.</li> </ul>
The "no disc" indication appears in the display window.	<ul style="list-style-type: none"> <li>Place the CD with the label surface up.</li> <li>Replace the CD if the CD is badly damaged.</li> </ul>
The "Hi dc in" indication appears in the display window.	<ul style="list-style-type: none"> <li>Input voltage is too high.</li> <li>Use the supplied AC power adaptor (not supplied with D-130) or an optional AC power adaptor AC-E45L.</li> </ul>
When using batteries, the battery life is short.	<ul style="list-style-type: none"> <li>Manganese batteries are used. → Use alkaline batteries.</li> </ul>
"Hold" appears when you press a button on the unit.	<ul style="list-style-type: none"> <li>The HOLD switch on the unit is set to the direction of the arrow.</li> </ul>

## Maintenance

### Cleaning the Lens

If you have accidentally touched the lens with dirty fingers or if dust on the lens prevents the unit from operating properly, open the disc compartment lid and clean the lens with lens cleaning kit (KK-DM10, not supplied).



### Cleaning the Headphone Plug

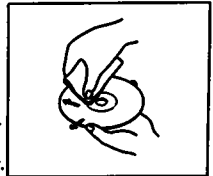
Keep the plug of your headphones clean to obtain optimum sound. Wipe it with a dry, soft cloth.

### Cleaning the Casing

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

### Notes on Compact Discs

- Before playing, clean the disc with a 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.
- 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.
- After playing, store the disc in its case.



If there is a scratch, dirt or fingerprints on the disc, it may cause tracking error.

### Handling the Disc



## Specifications

System	Compact disc digital audio system
Laser diode properties	Material: GaAlAs Wavelength: $\lambda = 780$ nm Emission duration: Continuous Laser output: Less than 44.6 $\mu$ W (This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.) Sony Super Strategy Cross Interleave Reed Solomon Code
Error correction	1-bit quartz time-axis control
C-A conversion	20 - 20,000 Hz $\pm$ dB
Frequency response	(measured by EIAJ CP-307)
Output (at 4.5 V input level)	Line output (stereo minijack) Output level 0.7 V rms at 50 kilohms Load impedance over 10 kilohms Headphones (stereo minijack) 15 mW + 15 mW at 16 $\Omega$

### General Power requirements

- DC IN 4.5 V jack accepts the Sony AC power adaptor (not supplied with D-130) or an optional AC power adaptor AC-E45L, for use on:

Where purchased	Operating voltage
European and Asian countries	220 - 230 V AC, 50 Hz
U.S.A., Canada, Central and South America	120 V AC, 60 Hz
United Kingdom, Australia	240 V AC, 50 Hz
Middle East	110 - 240 V AC, 50/60 Hz
Other countries	100 - 240 V AC, 50/60 Hz

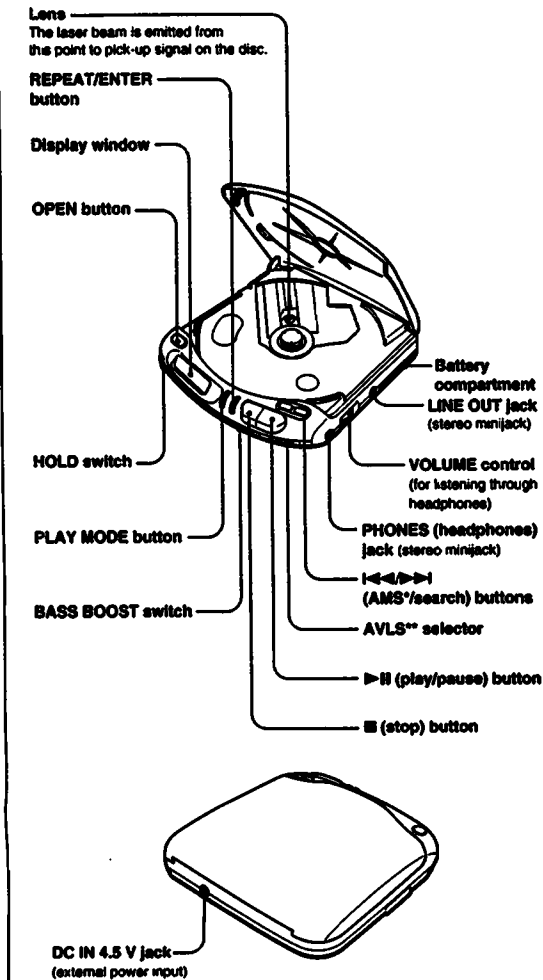
- DC 2.4 V Rechargeable battery pack (supplied only with D-133) or an optional battery pack BP-DM10
  - DC IN 4.5 V accepts the Sony CPM-300P mount plate and CPM-300PK mount arm for use on car battery.
  - DC 3 V two size AA (LR6) alkaline batteries
- Approx. 130 x 30.5 x 142 mm (5 1/8 x 1 1/8 x 5 1/2 in.) (w/h/d) incl. projecting parts and controls
- Approx. 270 g (9.6 oz.) without rechargeable battery AC power adaptor (not supplied with D-130) (1)  
Connecting cord (phono plug x 2 → stereo miniplug) (1)  
Stereo headphones (not supplied with D-132CJ) (1)  
Rechargeable battery (supplied only with D-133) (1)

### Dimensions

### Mass

### Supplied accessories

## Location and Function of Controls



\* AMS: Automatic Music Sensor  
 \*\* AVLS: Automatic Volume Limiter System

## Precautions

### On safety

- As the laser beam used in this compact disc player is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Do not put any foreign objects in the safety slot inside the disc compartment. If you do so, the laser beam may come out when the lid is opened.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.
- Should any solid objects or liquid fall into the unit, disconnect the power supply and have the unit checked by qualified personnel before operating it any further.

### On power sources

- Use the rechargeable battery pack (supplied only with D-133), batteries (not supplied), house current or a car battery.
- For AC operation: Use the supplied AC power adaptor (not supplied with D-130) or an optional AC power adaptor AC-E45L. Do not use any other AC power adaptor as it may cause malfunction.
- For car battery operation: Use the car mount arm CPM-300PK (not supplied) or mount plate CPM-300P (not supplied) and car connecting pack CPA-4/CPA-8 (not supplied).
- If the unit is not going to be used for a long period of time, be sure to disconnect the power supply (AC power adaptor, batteries, rechargeable battery pack, or mount plate) from the unit. To remove the AC power adaptor from the wall outlet, grasp the adaptor itself; never pull it by the cord.
- The nameplate indicating operating voltage, power consumption, etc. is located on the bottom exterior. (AC power adaptor for Middle East only.)

### On operation

- Since the CD system offers a wide dynamic range, the peaks of the high level inputs are recorded with high fidelity, and the noise level is very low. Do not turn up the volume while listening to a part of the disc with no audio signals or very low level inputs. If you do so, the speakers may be damaged when the peak level of the sound is played.
- The lens on the disc table should be kept clean. Do not touch the lens or poke at it. If you do so, the lens may be damaged and the unit will not operate properly.

### On installation

- Never install the unit where it would be subject to:
  - heat sources such as radiators or airducts.
  - direct sunlight.
  - excessive dust.
  - moisture or rain.
  - mechanical vibration or shock.
  - unlevelled surface.
- Do not put the unit on a dashboard nor leave it in a car parked in sunlight since the temperature may rise excessively.
- When the unit is used with the AC power adaptor, do not wrap the unit in a cloth, blanket, etc. If you do so, the temperature inside and outside the unit may rise considerably, resulting in malfunctioning of the unit or serious accidents.
- Do not put any heavy object on top of the unit.
- If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the unit. Should this occur, the unit will not operate. In this case, remove the disc and leave the unit in a warm place for several hours until the moisture evaporates.
- For the unit to operate at its best, it should not be subjected to temperatures below 5° C (41° F) or above 35° C (95° F).

### Notes 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.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

### Optional accessories

Plate arm CPM-300A  
 Mount plate CPM-300P  
 Mount arm CPM-300PK  
 Mount kit CPM-300PC  
 Mount kit CPM-300CK  
 Car connecting pack CPA-4, CPA-8  
 Car battery cord DCC-E145L  
 Active speaker system SRS-58  
 Rechargeable battery BP-DM10  
 AC power adaptor AC-E45L

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

Design and specifications subject to change without notice.

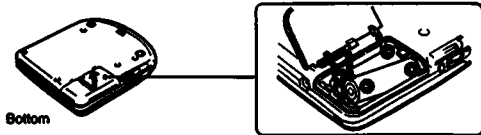
### Note

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

# Power Sources

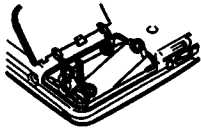
## Batteries (not supplied)

Insert two size AA (LR6) alkaline batteries according to the ⊕ and ⊖ indications in the battery compartment.



Bottom

**Removing the batteries**  
Push a battery as shown.



### Notes on batteries

- Insert batteries with correct polarity.
- Do not use old batteries together with new ones or different types of batteries together.
- If the electrolyte inside the battery should leak, wipe the contaminated parts in the battery compartment with a cloth and replace the old batteries with new ones.
- Do not charge the batteries.
- When the unit is not to be used for a long period of time, remove the batteries.

### Alkaline battery life

When the unit is used on a flat and stable place, approx. 8 hours of continuous play is possible.

When indication lights up

When the battery is used up, the unit will stop operating. When this indication lights up, recharge the rechargeable battery or replace the batteries with new ones.

## Using on House Current

Connect the supplied AC power adaptor (not supplied with D-130) or an optional AC power adaptor AC-E4SL the same way as in charging the rechargeable battery.

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

For the customers whose unit is supplied with an AC plug adaptor Use the AC plug adaptor if the AC power adaptor does not fit the outlet.

### Note on the AC power adaptor

Use only the supplied AC power adaptor (not supplied with D-130) or an optional AC power adaptor AC-E4SL. Never use any other adaptors manufactured by Sony because the polarity of the supplied adaptor is opposite to that of conventional adaptors. Do not use the AC power adaptor supplied with other "Discman" CD compact players, nor the optional AC power adaptor such as the AC-D6M.



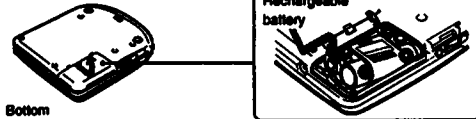
Polarity of the plug  
(Unified polarity type)

## Using the Supplied Rechargeable Battery (Supplied Only with D-130)

When using the supplied rechargeable battery (only with D-133) or an optional rechargeable battery BP-DM10 for the first time, make sure to charge it for 3 hours.

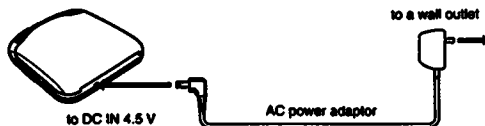
### Putting in a rechargeable battery

Open the lid and insert the rechargeable battery as illustrated in the magnified diagram.

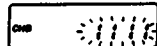


Bottom

### Charging the battery



- 1 Connect the supplied AC power adaptor (not supplied with D-130) when the unit is in the stop mode.
- 2 Charging starts immediately. "CHG" will appear in the display window and the number "1" shifts position in succession repeatedly. The display will disappear when charging is completed.
- 3 Disconnect the AC power adaptor.



### Notes on the rechargeable battery (Ni-Cd battery)

- Remember to recharge the battery pack after every use. Leaving the rechargeable battery discharged may shorten its life.
- When charging for the first time or after a long time, playing time may be reduced. In this case, charge and discharge 4 several times.
- Never throw the battery into fire.
- Never short-circuit the battery terminal.
- Do not disassemble the battery. If the electrolyte inside the battery should come into contact with clothes or skin, wash the contaminated areas with water immediately.

### Rechargeable battery life

Charging time	CD playing	(When the unit is used on a flat and stable place.)
Max. 3 hours*	Approx. 3 hours	

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

### When to replace the rechargeable battery

If the operating time has reduced by about half even after you have charged it fully, replace it with a new BP-DM10 (not supplied). Do not use BP-DM1 battery pack (not supplied).

# Various Ways of Using

## Listening in a Car

You can listen to the disc through a car cassette deck by using the following equipment

- Mount arm CPM-300PK (Mount plate + Plate arm)
- Plate arm CPM-300A
- Mount plate CPM-300P
- Car connecting pack CPA-4, CPA-8
- Mount kit CPM-300PC (Mount plate + Car connecting pack)
- Mount kit CPM-300CK (Plate arm + Mount plate + Car connecting pack)

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

### When you use the CPM-300P mount plate

Attach the car mount adaptor supplied to the CPM-300P before installing the CD player.

### When you turn off the engine\*

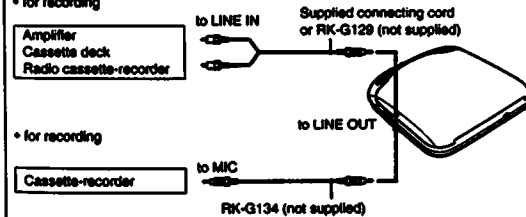
Even when the rechargeable battery or alkaline batteries are inserted in the unit, the unit stops operation when you turn off the engine of the car. (Switched ignition function) This function is not available with every model of the car. If not, press to stop operation.

### Note

Any connection other than a Sony car connecting pack may cause noise.

## Connecting with Other Equipment

- for monitoring the sound through speakers
- for recording



### Notes on connection

- Turn off each equipment before making connections.
- Plug in the white plug to the L (left channel) jack, and the red plug to the R (right channel) jack.
- Do not connect the output from LINE OUT to the PHONO jacks of the amplifier.
- Make sure to insert the plugs of the cable firmly into the jacks. A loose connection may cause a humming noise.
- If the unit causes interference to the radio or television reception, turn off the unit or move the unit away from the receiver.