

# *FM/AM Portable CD Player*

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## Operating Instructions

### **About the area code**

The area code of the location in which you purchased the CD player is shown on upper left of the bar code label on the package.

For accessories supplied with your CD player, check the area code of your model and see "Accessories (supplied/optional)."



## *D-FS18*

## CAUTION

The use of optical instruments with this product will increase eye hazard.

## Owner's Record

The model number is located at the rear and the serial number is located on the bottom of the CD player. 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-FS18

Serial No. \_\_\_\_\_

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

## For the customers in the USA and Canada

### DISPOSAL OF NICKEL METAL HYDRIDE BATTERY.

### NICKEL METAL HYDRIDE BATTERY. DISPOSE OF PROPERLY.

You can return your unwanted nickel metal hydride batteries to your nearest Sony Service Center or Factory Service Center.

**Note:** In some areas the disposal of nickel metal hydride batteries in household or business trash may be prohibited.

For the Sony Service Center nearest you call 1-800-222-SONY (United States only)

For the Sony Factory Service Center nearest you call 416-499-SONY (Canada only)

**Caution:** Do not handle damaged or leaking nickel metal hydride battery.

## 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.



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

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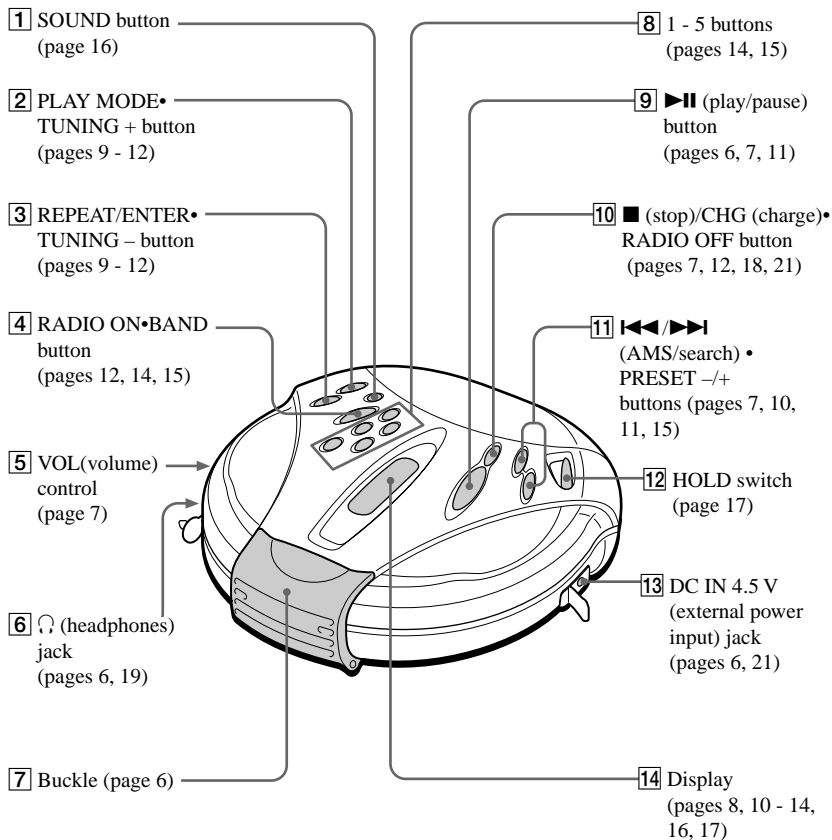
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# Getting started

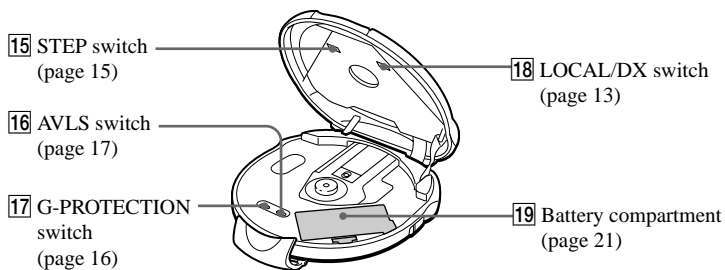
## Locating the controls

For details, see pages in parentheses.

### CD player (front)



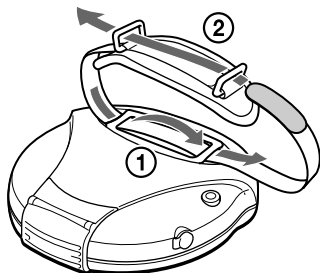
## CD player (inside)



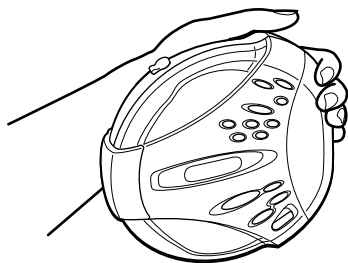
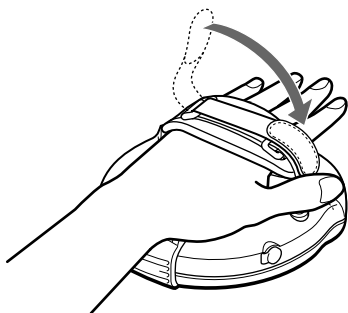
## Using the hand strap

During active uses, use the supplied hand strap.

1 Pass the strap through the hooks.



2 Put your hand between the player and the strap, then adjust the length of the strap and fix it using the Velcro tapes.

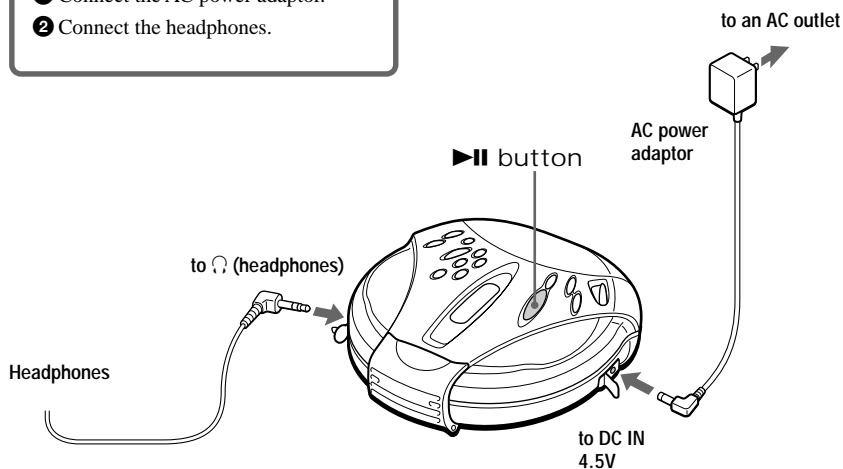


# Playing a CD

You can also use rechargeable batteries, dry batteries and a car battery as a power source.

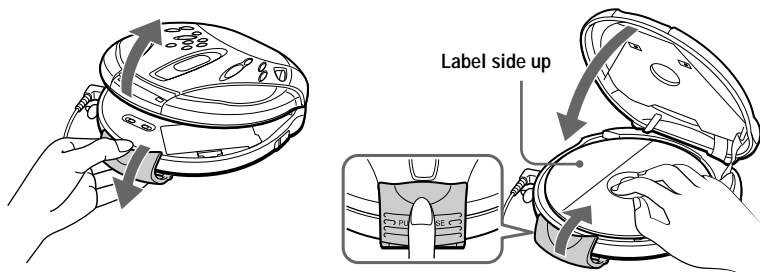
## 1. Connect your CD player.

- 1 Connect the AC power adaptor.
- 2 Connect the headphones.

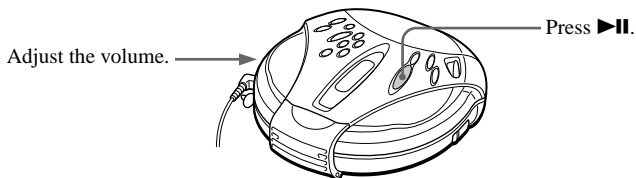


## 2. Insert a CD.

- 1 Unfasten the buckle.
- 2 Open the lid.
- 3 Fit the CD on the pivot and close the lid.
- 4 While holding the lid closed, fasten the buckle securely.



### 3. Play a CD.



To	Press
Play/Pause	►
Stop	■/CHG* <sup>2</sup>
Find the beginning of the current track (AMS* <sup>1</sup> )	◀◀ once quickly* <sup>2</sup>
Find the beginning of the previous tracks (AMS)	◀◀ repeatedly* <sup>2</sup>
Find the beginning of the next track (AMS)	▶▶ once quickly* <sup>2</sup>
Find the beginning of the succeeding tracks (AMS)	▶▶ repeatedly* <sup>2</sup>
Go backwards quickly	Hold down ◀◀* <sup>2</sup>
Go forward quickly	Hold down ▶▶* <sup>2</sup>

\*<sup>1</sup> Automatic Music Sensor

\*<sup>2</sup> These operations can be done during both play and pause.

(Continued)

## About the display

- When you press ►|| after changing the CD or turning off and on the player, the total number of tracks in the CD and total playing time appear for about two seconds.
- During play, the track number and the elapsed playing time of the current track appear.
- During pause, the elapsed playing time flashes.

## If the volume level does not increase

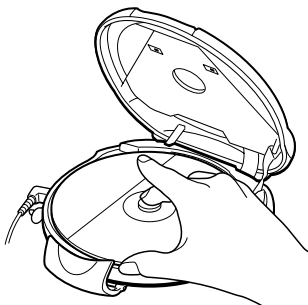
Is AVLS set to “LIMIT”? Set AVLS to “NORM.” For details, see “Protecting your hearing (AVLS).”

## About CD-Rs/CD-RWs

This CD player is compatible with CD-Rs/CD-RWs but playback capability may vary depending on the quality of the disc, the recording device and application software.

## Removing the CD

Remove the CD while pressing the pivot in the center of the tray.





# Playback options

You can enjoy various ways of playback using PLAY MODE and REPEAT/ENTER.

## PLAY MODE button

Each time you press the button, you can change the playback mode.

No indication  
(Normal play)



"1"  
(Play a single track)



"SHUF"  
(Play tracks in random order)



"PGM"  
(Play tracks in your favorite order)



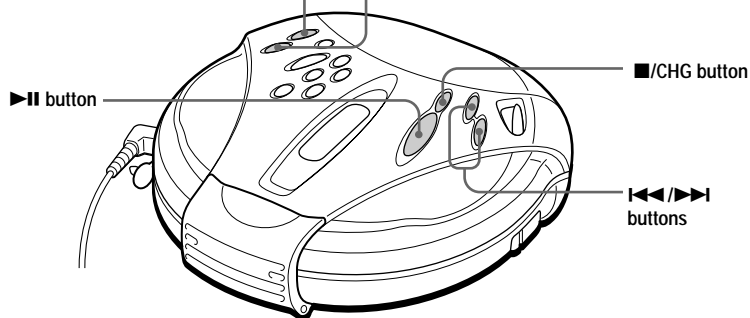
## REPEAT/ENTER button

### REPEAT

You can repeat play that is selected using PLAY MODE.

### ENTER

You can select tracks for PGM play mode.



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## Playing tracks repeatedly (Repeat play)

You can play tracks repeatedly in normal, single, shuffle and PGM play modes.

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During playback, press REPEAT/ENTER.



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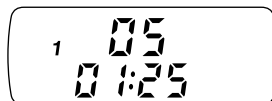
### Note on I◀◀/▶▶I

During Repeat play, you can locate the first track after the last track by pressing ▶▶I repeatedly. You can also locate the last track after first track by pressing I◀◀ repeatedly.

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## Playing a single track (Single play)

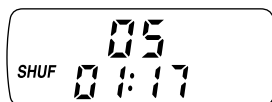
During playback, press PLAY MODE repeatedly until "1" appears.



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## Playing tracks in random order (Shuffle play)

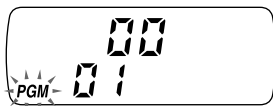
During playback, press PLAY MODE repeatedly until "SHUF" appears.



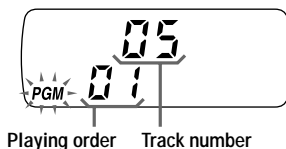
## Playing tracks in your favorite order (PGM play)

You can program the CD player to play up to 64 tracks in your favorite order.

- 1** During playback, press **PLAY MODE** repeatedly until “PGM” appears.



- 2** Press **◀◀** or **▶▶** to select a track.



- 3** Press **REPEAT/ENTER** to enter the selected track.  
“00” appears and the playing order increases by one.



- 4** Repeat steps 2 and 3 to select the tracks in your favorite order.

- 5** Press **▶▶**, or hold down **REPEAT/ENTER** until play starts.

To check the program

### During programming:

Press **REPEAT/ENTER** repeatedly before step 5.

### During the PGM play:

Press **PLAY MODE** repeatedly until “PGM” flashes, then press **REPEAT/ENTER**. Each time you press **REPEAT/ENTER**, the track number appears.

### Notes

- When you finish entering the 64th track in step 3, the first selected track appears in the display.
- If you select more than 64 tracks, the first selected tracks are erased.

# Using the radio

Once you've preset the stations, you can easily tune in the station by pressing one of the 1 - 5 buttons.

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## Listening to the radio

You can enjoy FM and AM programs.

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**1** Press **RADIO ON•BAND** to turn on the radio.

---

**2** Press **RADIO ON•BAND** until the band you want appears.

Each time you press the button, the display changes as follows:

→ FM1 → FM2 → FM3 → FM4 → FM5 → AM →

---

**3** Press **TUNING +** or **-** to tune in the station you want and adjust the volume.



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To turn off the radio

Press **■/CHG•RADIO OFF**.

To tune in the station quickly

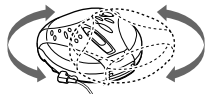
Hold down **TUNING +** or **-** in step 3 until the frequency digits begin to change in the display. The CD player automatically scans the radio frequencies and stops when it finds a clear station.

To improve broadcast reception


For FM, extend the headphones/earphones cord.



For AM, reorient the CD player itself.



**Note**

Keep the headphones connected to the  jack of the CD player. The headphones cord works as the FM antenna.

If it is hard to hear the FM broadcast

Set the LOCAL/DX switch to "LOCAL" using a pointed material.

Under the normal conditions, set it to "DX."



When listening to the radio on batteries

If you connect the external power source plug to the DC IN 4.5 V jack of your CD player, the CD player will turn off. Turn it on by pressing RADIO ON•BAND to continue listening to it.

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# Presetting radio stations

You can store radio stations into the CD player's memory. You can preset up to 30 stations, 5 for each band (FMI - 5 and AM) in any order.

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## 1 Tune in the station you want.

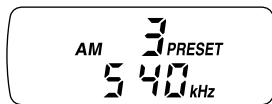
## 2 Hold down one of the 1 - 5 buttons that you want to preset the new station on for more than 2 seconds.

When the station is preset successfully, the beep sounds and the indication "PRESET" appears in the display. The new station replaces the old one.

FM:



AM:



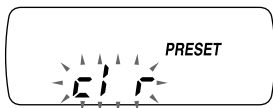
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## To cancel all preset stations

1 Disconnect the power source (AC power adaptor, rechargeable batteries or alkaline batteries).

2 While you press and hold down RADIO ON•BAND, connect the AC power adaptor again.

The indications in the display keep flashing until all preset stations are cleared, then stop flashing and disappear from the display.



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## Playing preset radio stations

You can tune in the station easily by pressing one of the 1 - 5 buttons.

---

**1 Press RADIO ON•BAND to select the band.**

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**2 Press one of the 1 - 5 buttons or PRESET + or – to tune in a stored station.**

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## Changing the tuning interval

When using the CD player abroad, change the AM tuning interval, if necessary. Set the STEP switch (inside the lid) to “9 kHz” or “10 kHz” using a pointed material.

9 kHz area: Asia and Europe

10 kHz area: the U.S. A., Canada and South America

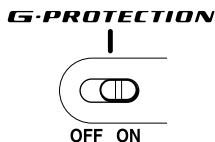
### Notes

- The interval will not change until you once turn off the radio and then turn it on again.
- After changing the tuning interval, you need to preset radio stations again.

## G-PROTECTION function

The G-PROTECTION function has been developed to provide excellent protection against sound skipping during many active uses. This function provides a higher level of shock protection than the traditional one.

**Set G-PROTECTION (under the lid) to “ON.”**



During active uses, use the supplied hand strap (see “Using the hand strap” in Locating the controls).

### To turn off the G-PROTECTION function

Set G-PROTECTION to “OFF.”

#### Note

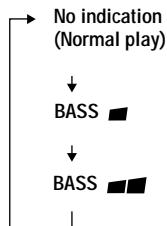
Sound may skip:

- if the CD player receives stronger continuous shock than expected,
- if a dirty or scratched CD is played or
- when using poor-quality CD-Rs/CD-RWs or if there is a problem with the recording device or application software.

## Emphasizing the bass sound (SOUND)

You can emphasize the bass-boosted sound.

**Press SOUND to select “BASS ■” or “BASS ■■.”**



The selected sound mode is displayed.

“BASS ■■” enhances the bass sound more than “BASS ■.”

#### Note

If the sound is distorted when using the SOUND function, turn down the volume.



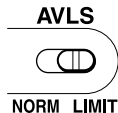
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## Protecting your hearing (AVLS)

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

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### Set AVLS (under the lid) to "LIMIT."



Displayed when "LIMIT" is selected and AVLS function is working.

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### To turn off the AVLS function

Set AVLS to "NORM."

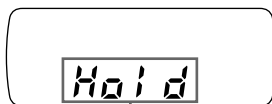
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## Locking the controls (HOLD)

You can lock the controls on your CD player to prevent accidental button presses.

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### Slide HOLD in the direction of the arrow.



Displayed when the HOLD function is working.

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### To unlock the controls

Slide HOLD in the opposite direction of the arrow.

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## Turning off the operation beep sound

You can turn off the beep sound that is heard from your headphones/earphones when you operate your CD player.

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**1 Remove the power source (AC power adaptor, rechargeable batteries or dry batteries) from the CD player.**

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**2 Connect the power source while pressing ■/CHG.**

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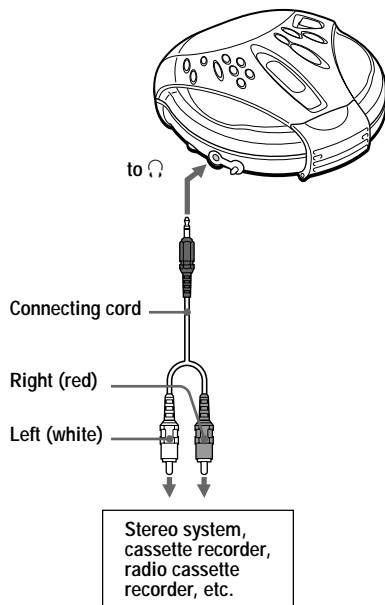
### **To turn on the beep sound**

Remove the power source and then connect the power source without pressing ■/CHG.

## Connecting a stereo system

You can listen to CDs through a stereo system and record CDs on a cassette tape. For details, see the instruction manual that comes with the connected device.

Be sure to turn off all connected devices before making connections.



### Notes

- Before you play a CD, turn down the volume of the connected device to avoid damaging the connected speakers.
- Use the AC power adaptor for recording. If you use the rechargeable batteries or dry batteries as a power source, batteries may become completely depleted during recording.
- Adjust the volume properly on the connected device so that the sound will not be distorted.

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## Using your CD player in a car

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

You cannot use the car mount plate for this CD player.

When you use your CD player in a car, install it securely in a location that does not interfere with your driving.

### **Optional car accessory needed**

To connect your CD player to a car cassette deck, you need the following car accessories in "Accessories (supplied/optional)":

- Car battery cord, and
- Car connecting pack\*

For details, see the instruction manuals that come with the optional accessories.

\* Noise may be heard if you use an optional connecting cord. It is recommended that you use a Sony car connecting pack to reduce noise.

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

With this feature, your CD player stops automatically when you turn off the car engine (turn off the ignition key) even if the batteries are inserted in the CD player. This function is invalid depending on the car models.

#### **Note**

Use only the car battery cord listed in "Accessories (supplied/optional)." If you use any other car battery cord, a heat, smoke or malfunction may occur.

## ► Connecting a power source

You can use the following power sources:

- Rechargeable batteries
- AC power adaptor (see “Playing a CD”)
- LR6 (size AA) alkaline batteries

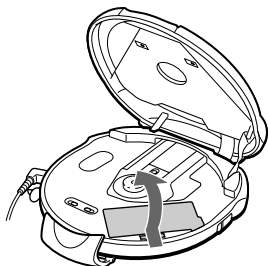
For the battery life and charging time of the rechargeable batteries, see “Specifications.”

## Using the rechargeable batteries

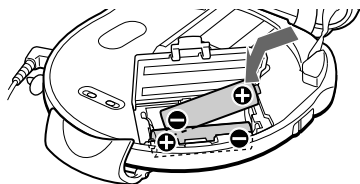
Charge the rechargeable batteries before using them for the first time. You can use only the following rechargeable batteries for your CD player.

- NH-WM2AA

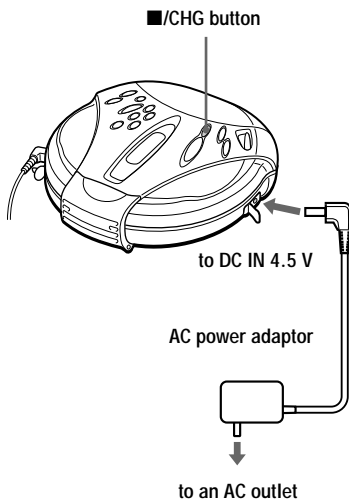
- 1** Open the battery compartment lid inside your CD player.






- 2** Insert two rechargeable batteries by matching the ⊕ to the diagram in the battery compartment and close the lid until it clicks into place.



- 3** Connect the AC power adaptor to the DC IN 4.5 V jack of your CD player and an AC outlet, then press ■/CHG to start charging.



The CD player charges the batteries. The indicator sections of  light up in succession. When the batteries are completely charged, the  indicator turns off.

If you press ■/CHG after the charge has already been completed, the  indicator flashes and “Full” appears in the display.

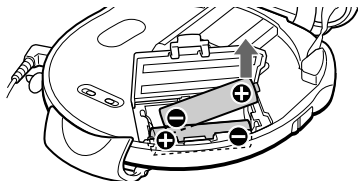
- 4** Disconnect the AC power adaptor.

(Continued)

## Using the rechargeable batteries

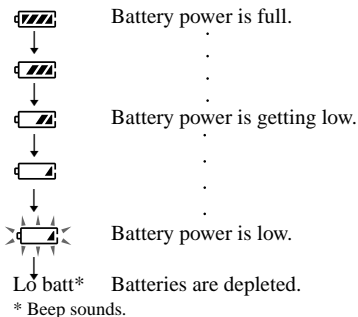
### To remove the rechargeable batteries

Remove the batteries as illustrated below.





### When to charge the rechargeable batteries

You can check the remaining power of the batteries in the display.



To keep the original battery capacity for a long time, charge the batteries only when they are completely depleted.

### Notes

- The indicator sections of , roughly show the remaining battery power. One section does not always indicate one-fourth of the battery power.
- Depending on operating conditions, the indicator sections of  may increase or decrease.

### When to replace the rechargeable batteries

If the battery life becomes shorter by about half, replace the batteries with new rechargeable batteries.

### Note on the rechargeable batteries

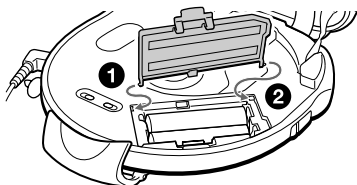
If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.

### Note on carrying the rechargeable batteries

Use the supplied battery carrying case to prevent unexpected heat. If the rechargeable batteries and the metallic objects are contacted, heat or fire may occur due to a short circuit.

### To attach the battery compartment lid

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



## Using the dry batteries

Use only the following dry battery type for your CD player:

- LR6 (size AA) alkaline batteries

### Note

Be sure to remove the AC power adaptor when using the dry batteries.

## 1 Open the battery compartment lid.

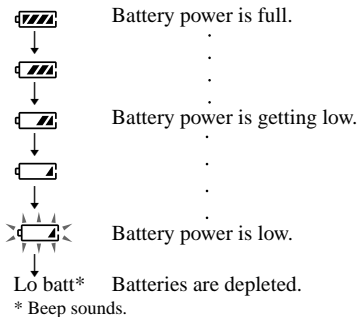
## 2 Insert two LR6 (size AA) batteries by matching the ⊕ to the diagram in the battery compartment.

### To remove the batteries

Remove the batteries in the same way as rechargeable batteries.

### When to replace the batteries

You can check the remaining power of the batteries in the display.



When the batteries are depleted, replace both batteries with new ones.

## Notes on the power source

Disconnect all power sources when the CD player is not used.

### On AC power adaptor

- Use only the AC power adaptor supplied or recommended in “Accessories (supplied/ optional).” Do not use any other AC power adaptor. It may cause a malfunction.

Polarity of the plug



- When disconnecting the AC power adaptor from the AC outlet, grasp the adaptor itself. Do not pull it by the cord.
- Do not touch the AC power adaptor with wet hands.

### On rechargeable batteries and dry batteries

- Do not charge the dry 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.
- 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 battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries. In case the deposit adheres to you, wash it off thoroughly.

## Precautions

### On safety

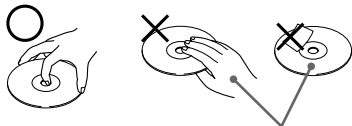
- Should any solid objects or liquid fall into the CD player, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

### On the CD player

- Keep the lens on the CD player clean and do not touch it. If you do so, the lens may be damaged and the CD player will not operate properly.
- Do not put any heavy object on top of the CD player. The CD player and the CD may be damaged.
- Do not leave the CD player 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 CD player causes interference to the radio or television reception, turn off the CD player or move it away from the radio or television.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this CD player. Attempting to do so may damage the CD player. Do not use such discs.

### 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.



Not these ways

- 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.

### 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.

#### Consideration 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.

### On the water resistance

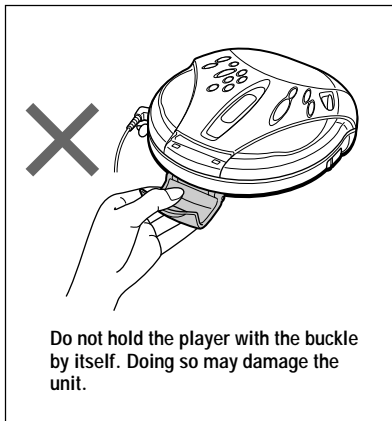
- Before unfastening the buckle to open the lid, be sure to wipe off water, dust or sand on the exterior of the unit. Open and close the lid where water or sand cannot fall in the unit, and make sure that your hands are dry. If water or sand falls in the unit, trouble may occur.
- When closing the lid, check that there is no dust or sand on the rubber packing around the lid. Then close the lid firmly with the buckle.
- The supplied headphones are not meant to be immersed in water or come in continuous contact with water. If they are accidentally dropped into water or get wet, dry them with a soft cloth. Never use an electric hair dryer.



- The supplied AC power adaptor is not water resistant. To prevent shock hazard, avoid using the player near water during AC operation.
- Cover the DC IN 4.5 V jack and  $\Omega$  jack with the attached rubber caps when nothing is connected to these jacks. If the inside of the jacks are contaminated with water or sand, rust may develop and cause trouble.

#### Notes

- Since the unit is airtight, you may not be able to open the lid when there is a sudden change in air pressure inside the unit. This happens when the unit is transported on a plane or moved from a warm place to a cold place. In this case, open the rubber cap on the DC IN 4.5 V jack.
- To prevent water from leaking in, the buckle is designed to be slightly stiff. Be careful not to catch a fingernail on the buckle when unfastening the lid.



## Maintenance

### To clean the casing

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

### To clean the headphones plug

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

### To remove any dust or sand from the rubber packing

Any sand or dust on the rubber packing will prevent the lid from shutting tightly, and water may leak in. Brush off the dust once in a while.

We recommend the replacement of the rubber packing every year which is available optionally at an authorized Sony service facility.

# Troubleshooting

Should any problem persist after you have checked these symptoms, consult your nearest Sony dealer.

## CD player

Symptom	Cause and/or corrective actions
The volume does not increase even if the VOL control is adjusted to the maximum level.	→ Set the AVLS switch to "NORM." (page 17)
No sound, or noise is heard.	→ Connect the plugs firmly. (page 6) → Plugs are dirty. Clean the plugs with a dry soft cloth periodically.
The playing time is too short when powered with the dry batteries.	→ Check that you are using alkaline batteries and not manganese batteries. (page 23) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 23)
The playing time is too short when powered with the rechargeable batteries.	→ Charge and discharge the rechargeable batteries several times. (pages 21, 22)
When you press ►II, "Lo batt" or "00" appears in the display. The CD does not play.	→ The rechargeable batteries are used up completely. Charge the batteries. (pages 21, 22) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 23)
"HI dc In" appears in the display.	→ Use only the AC power adaptor or car battery cord in "Accessories (supplied/optional)." (page 29) → Remove all power sources, then insert the batteries or connect the AC power adaptor again. (pages 6, 21 - 23)
The CD does not play or "no dISC" appears in the display when a CD is placed in the CD player.	→ The buttons are locked. Slide the HOLD switch back. (page 17) → The CD is dirty or defective. (page 24) → Check that the CD is inserted with the label side up. (page 6) → Moisture condensation has occurred. Leave the CD player aside for several hours until the moisture evaporates. → Close the lid of the battery compartment firmly. (page 21) → Make sure the batteries are inserted correctly. (pages 21 - 23) → Connect the AC power adaptor to an AC outlet securely. (page 6) → The CD-R/CD-RW was not finalized. Finalize the CD-R/CD-RW with the recording device. → There is a problem with the quality of the CD-R/CD-RW, recording device, or application software.
"Hold" appears in the display when you press a button, and the CD does not play.	→ The buttons are locked. Slide the HOLD switch back. (page 17)
The CD player does not start charging.	→ During stop, press ■/CHG. (page 21)

## CD player

Symptom	Cause and/or corrective actions
Rustling noise of the CD is heard.	→ Close the lid of the battery compartment firmly. (page 21)
Playback starts from the point you stopped. (resume function)	→ The resume function is working. To start play from the first track, open the lid of the CD player; or remove all power sources, then insert the batteries or connect the AC power adaptor again. (pages 6, 21 - 23)

## Radio

Symptom	Cause and/or corrective actions
The audio is weak or has poor quality.	→ Charge the rechargeable batteries. (pages 21, 22) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 23) → Move the CD player away from the TV. → Keep the AC power adaptor away from the CD player. (page 6)

# Specifications

## CD player

### 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 with 7 mm aperture.)

### D-A conversion

1-bit quartz time-axis control

### Frequency response

40 - 20 000 Hz  $\pm 1$  dB (measured by EIAJ CP-307)

### Output (at 4.5 V input level)

Headphones (stereo minijack)

Approx. 5 mW + Approx. 5 mW at 16  $\Omega$

## Radio

### Frequency range (STEP switch)

9 kHz step:

FM: 87.5 - 108.0 MHz

AM: 531 - 1 710 kHz

10 kHz step:

FM: 87.5 - 108.0 MHz

AM: 530 - 1 710 kHz

### Antenna

FM: Headphones cord antenna

AM: Built-in ferrite bar antenna

## General

### Power requirements

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

- Sony NH-WM2AA rechargeable batteries: 2.4 V DC
- Two LR6 (size AA) batteries: 3 V DC

- AC power adaptor (DC IN 4.5 V jack): U2/U/CA2/E92/MX2/TW2/BR3 model: 120 V, 60 Hz  
CED/CET/CEW/CEX/CE7/EE/EE1/E13/G5/G6/G7/G8/BR1 model: 220 - 230 V, 50/60 Hz  
CEK/3CE7 model: 230 - 240 V, 50 Hz  
AU2 model: 240 V, 50 Hz  
JE.W/E33/EA3 model: 100 - 240 V, 50/60 Hz  
HK2 model: 220 V, 50/60 Hz  
ARI/CNA model: 220 V, 50 Hz
- Sony DCC-E345 car battery cord for use on car battery: 4.5 V DC

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

(When you use the CD player on a flat and stable surface.)

Playing time varies depending on how the CD player is used.

When using	G-PROTECTION		Radio on
	on	off	
NH-WM2AA (charged for about 5 hours**)	18	21	38
Two Sony alkaline batteries LR6(SG)	31	35	66

\* Measured value by the standard of EIAJ (Electronic Industries Association of Japan).

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

### Operating temperature

5°C - 35°C (41°F - 95°F)

### Dimensions (w/h/d) (excluding projecting parts and controls)

Approx. 146 × 38 × 136 mm

(5  $\frac{3}{4}$  × 1  $\frac{1}{2}$  × 5  $\frac{3}{8}$  in.)

### Mass (excluding accessories)

Approx. 363 g (12.9 oz.)

Design and specifications are subject to change without notice.

## Accessories (supplied/optional)

### Supplied accessories

For the area code of the location in which you purchased the CD player, check the upper left side of the bar code on the package.

AC power adaptor (1)

Headphones (1)

Hand strap (1)

### For US customers

The 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

AC power adaptor	AC-E45HG
Active speaker system	SRS-Z500 SRS-T1
Car battery cord	DCC-E345
Car battery cord with car connecting pack	DCC-E34CP
Car connecting pack	CPA-9C
Connecting cord	RK-G129 RK-G136
Rechargeable battery	NH-WM2AA
Earphones	MDR-E848LP MDR-EX70LP
Headphones	MDR-A44L MDR-A110LP

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





**This warranty is valid only in the United States.**

**SONY®**

## **LIMITED WARRANTY**

Portable Audio

Sony Electronics Inc. ("Sony") warrants this Product (including any accessories) against defects in material or workmanship as follows:

1. **LABOR:** For a period of 90 days from the date of purchase, if this Product is determined to be defective, Sony will repair or replace the Product, at its option, at no charge, or pay the labor charges to any Sony authorized service facility. After the Warranty Period, you must pay for all labor charges.

2. **PARTS:** In addition, Sony will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of one (1) year. After 90 days from the date of purchase, labor for removal and installation is available from Sony authorized service facilities or a Sony Service Center at your expense.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Sony service facility.

This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS, or consumables (such as fuses or batteries). This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from the Product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For your convenience, Sony Electronics Inc. has established telephone numbers for frequently asked questions:

To locate the servicer or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call:

**Sony Direct Response Center**

1-(800)-222-7669

or write to:

Sony Direct Response Center

12451 Gateway Blvd.

Fort Myers, FL 33913

For an accessory or part not available from your authorized dealer, call:

1-(800)-488-SONY (7669)

W 455714701 (T1)

<http://www.world.sony.com/>

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