

Portable CD Player

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)."

Owner's Record

The model number and the serial number are located at the rear. 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-CS901

Serial No. _____



"WALKMAN" is a trademark of Sony Corporation.

D-CS901

WARNING

To prevent fire or shock hazard, do not expose the AC power adaptor to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.


CAUTION

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

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

CAUTION

- INVISIBLE LASER RADIATION
WHEN OPEN
- DO NOT STARE INTO BEAM OR
VIEW DIRECTLY WITH OPTICAL
INSTRUMENTS

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

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.

Product registration

For the customers in the USA

Please register this product on line at www.sony.com/productregistration.

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

Proper registration will enable us to send you periodic mailings about new products, services, and other important announcements. Registering your product will also allow us to contact you in the unlikely event that the product needs adjustment or modification. Thank you.

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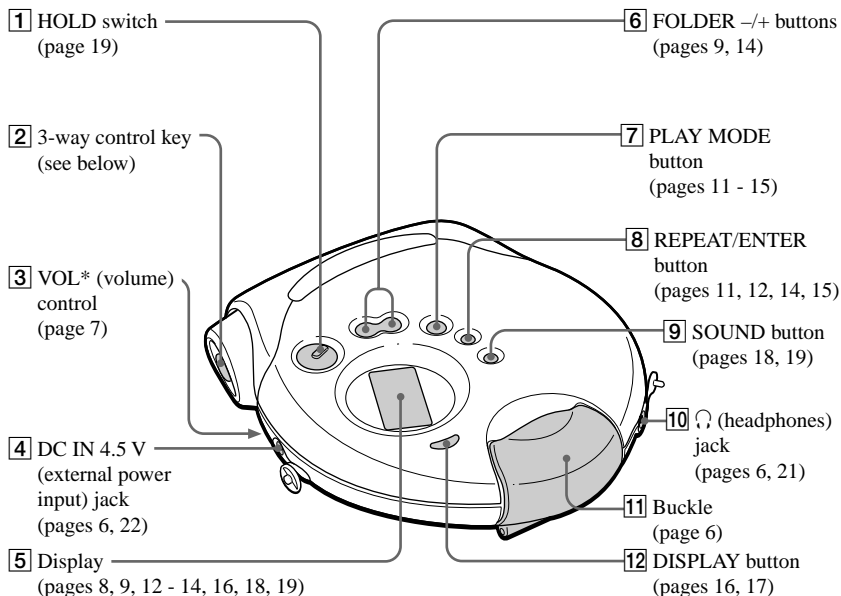
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Getting started

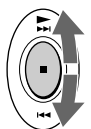
Locating the controls

For details, see pages in parentheses.

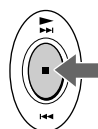
CD player (front)



2 3-way control key



Push toward
▶▶/▶▶▶▶ or
◀◀◀◀.



Press ■/CHG.

▶▶/▶▶▶▶**: Play/AMS/search (pages 7 - 9, 14)

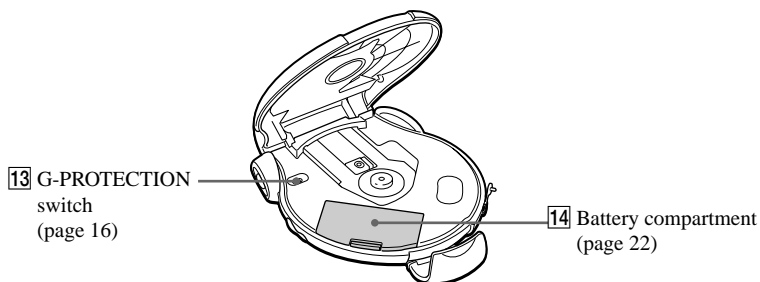
◀◀◀◀: AMS/search (pages 7, 14)

■/CHG: Stop/charge (pages 7, 20, 22)

* There is a tactile dot beside VOL to show the direction to turn up the volume.

** There is a tactile dot beside ▶▶/▶▶▶▶.

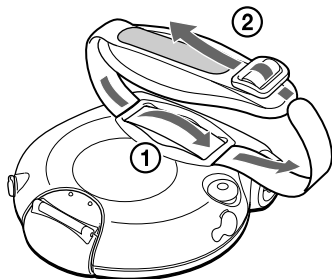
CD player (inside)



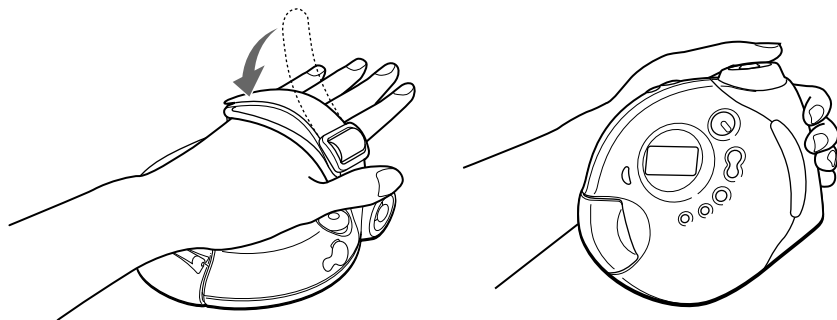
Using the hand strap

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.



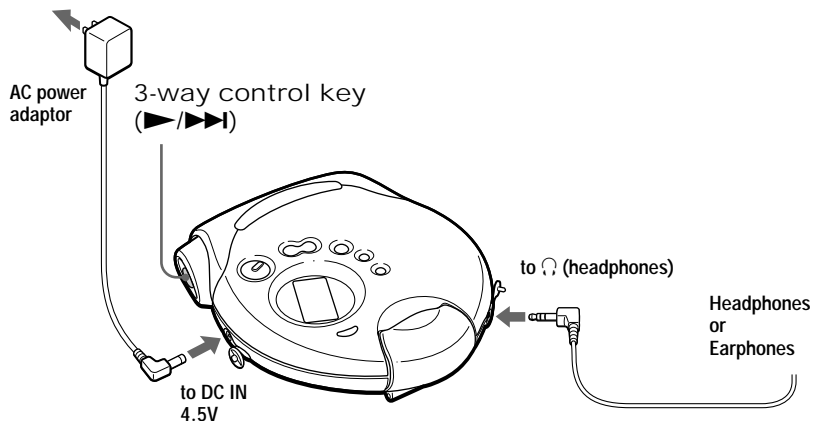
Playing an audio CD or MP3 files

You can also use rechargeable batteries or dry batteries as a power source.

1. Connect your CD player.

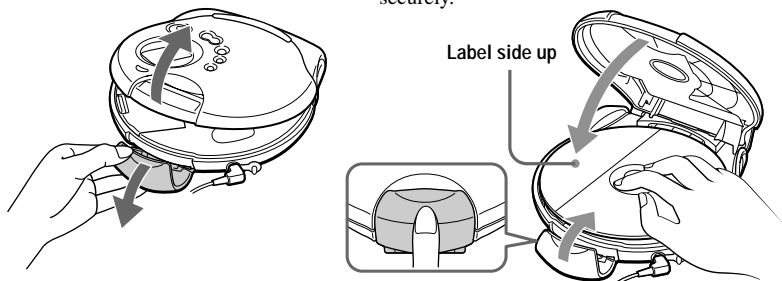
- 1 Connect the AC power adaptor.
- 2 Connect the headphones/earphones.

to an AC outlet

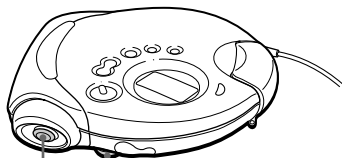


2. Insert a CD.

- 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.



Push the 3-way control key toward ►/►►I.

Adjust the volume.

To	Do this
Play (from the point you stopped)	Push the 3-way control key toward ►/►►I. Playback starts from the point you stopped.
Play (from the first track)	Push the control key toward ►/►►I and hold it for 2 seconds or more.
Stop	Press ■/CHG.*2
Find the beginning of the current track (AMS*1)	Push the control key toward ◀◀ once quickly.*2
Find the beginning of the previous tracks (AMS)	Push the control key toward ◀◀ repeatedly.*2, *3
Find the beginning of the next track (AMS)	Push the control key toward ►/►►I once quickly.*2, *3
Find the beginning of the succeeding tracks (AMS)	Push the control key toward ►/►►I repeatedly.*2, *3
Go backwards quickly	Push the control key toward ◀◀ and hold it.*2
Go forward quickly	Push the control key toward ►/►►I and hold it.*2

*1 Automatic Music Sensor

*2 These operations can be done during play.


*3 After you have played the last track, you can return to the beginning of the first track by pushing the 3-way control key toward ►/►►I. Similarly, if you are at the first track, you can locate the last track by pushing the control key toward ◀◀.

(Continued)

About the display

- When you push the 3-way control key toward ►/▶▶ 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.
- While a track on the audio CD is playing, the track number and the elapsed playing time of the current track appear.
- While a file on the MP3 CD is playing, the file name, the file number and the elapsed playing time of the current file appear.

When closing the lid of the CD player with the power supply attached

While the “” flashes in the display, the CD starts rotating and will stop after the CD player reads the disc information. This helps to shorten the waiting time before playback starts.

If the volume level does not increase

If “AVLS” flashes in the display, hold down SOUND until “AVLS” disappears from the display. For details, see “Protecting your hearing (AVLS).”

About CD-Rs/CD-RWs and MP3 files

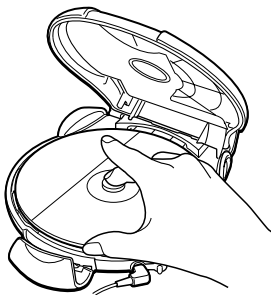
- This CD player can play CD-Rs/CD-RWs recorded in the CD-DA format* and MP3 files recorded in the CD-ROM format, but playback capability may vary depending on the quality of the disc and the condition of the recording device.

* CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

- Finalize the CD-Rs/CD-RWs and MP3 files before use.
 - If you use a disc recorded in the MP3 format that is not finalized, it will take longer than finalized discs to start playback.
 - If you use a disc recorded in the CD-DA format that is not finalized, it will not play.

Removing the CD

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

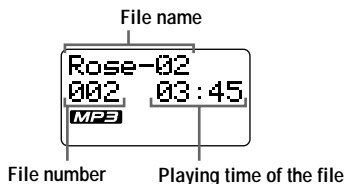


Playing a CD with MP3 files

Prepare the CD player and the CD in the same way as for an audio CD.
(See “About MP3.”)

Push the 3-way control key toward ►/►►.

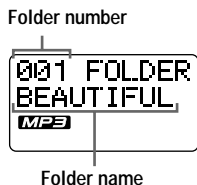
The CD player plays all MP3 files on the CD.



To select a folder

Use FOLDER + to go forward and FOLDER – to go backward.

The number and name of the folder selected will appear in the display for a short while.



To select a file

Push the 3-way control key toward ►/►► to go forward and toward ◀◀ to go backward.

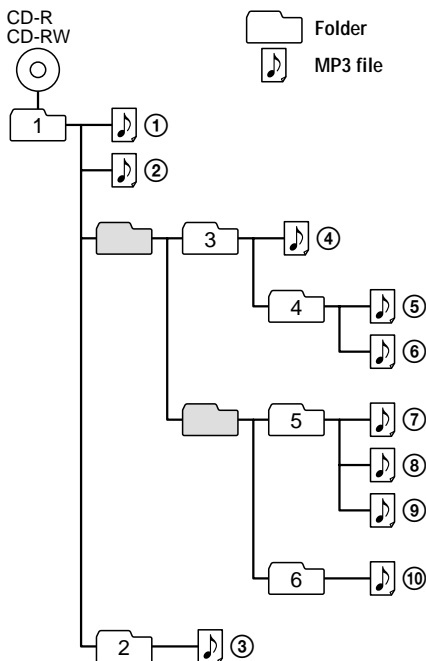
Notes

- Before playing an MP3 file recorded on a multisession CD, the CD player reads the table of contents of sessions on the CD and displays “SESSION” followed by the session number, and repeats this sequence until the player reads the last session on the CD.
- The CD player is reading all file and folder information on the CD when “READING” is displayed.
- You can use the 3-way control key for additional operations in the same way as when playing an audio CD (see the table on page 7).

(Continued)

Example of folder structure and playing order

The playing order of folders and files is as follows:



File mode	Plays all MP3 files from ①, ②, ③...⑨, ⑩.
Folder mode	Plays all MP3 files in the selected folder. (Example: If you select folder 3, the CD player plays file ④. If you select folder 4, the CD player plays file ⑤ and ⑥.)

Notes

- A folder that does not include an MP3 file is skipped.
- Maximum number of folders: 255
Maximum number of files: 255
- Folder names and file names can be displayed with up to 64 characters. (Joliet extensions)
- The characters A - Z, 0 - 9, and _ can be displayed on this CD player.
- When referring to MP3 CDs, “folder” is equivalent to an “album” and “file” is equivalent to a “track.”

Playback options

You can enjoy various playback options 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)

↓
" " **

(Play all files in a selected folder)

↓
"1"

(Play a single track)

↓
"SHUF"

(Play tracks in random order)

↓
" SHUF" **

(Play files in a selected folder in random order)

↓
"PGM"

(Play tracks in your favorite order)

REPEAT/ENTER button

REPEAT

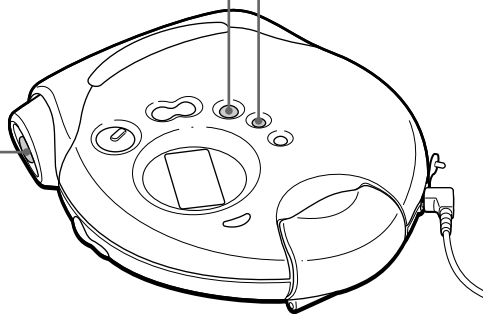
You can repeat play mode that was selected using PLAY MODE.

ENTER

You can select tracks for PGM play mode.



* You can select this mode only when playing MP3 files.

3-way control key
(▶ / ▶▶ |, | ◀◀)



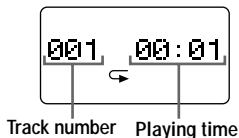
(Continued)

Playing tracks repeatedly (Repeat play)

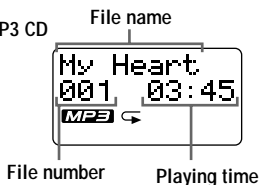
You can play tracks (“files” when playing an MP3 CD) repeatedly in normal,  (MP3 CD only), single, shuffle,  shuffle (MP3 CD only) and PGM play modes.

During playback, press REPEAT/ENTER.

Audio CD




MP3 CD

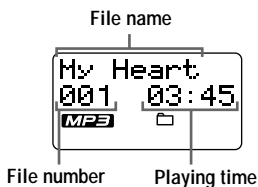


When playing MP3 files

- In normal mode, the CD player plays all files (up to 255 files) on a CD repeatedly.
- In folder mode, the CD player plays all files (up to 255 files) in the selected folder repeatedly.

Playing all files in a selected folder (Folder play) (MP3 CD only)

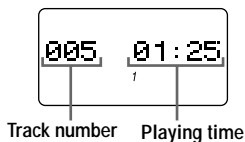
During playback, press PLAY MODE repeatedly until  appears.



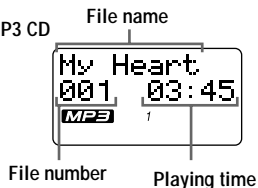
Playing a single track (Single play)

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

Audio CD



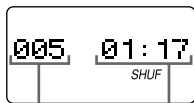
MP3 CD



Playing tracks in random order (Shuffle play)

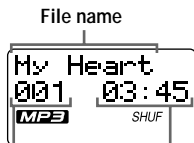
During playback, press **PLAY MODE** repeatedly until “SHUF” appears.

Audio CD



Track number Playing time

MP3 CD




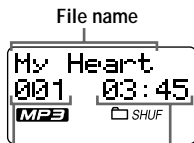
File number Playing time

When playing MP3 files

In shuffle mode, the CD player plays all files (up to 255 files) on a CD in random order.

Playing all files in a selected folder in random order (Folder shuffle play) (MP3 CD only)

During playback, press **PLAY MODE** repeatedly until “ SHUF” appears.



File number Playing time

When playing MP3 files

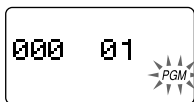
In folder shuffle mode, the CD player plays all files (up to 255 files) in a selected folder in random order.

Playing tracks in your favorite order (PGM play)

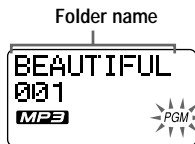
You can program the CD player to play up to 32 tracks (“files” when playing an MP3 CD) in your favorite order.

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

Audio CD



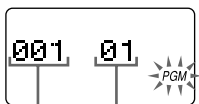
MP3 CD



2 Push the 3-way control key toward **▶/▶▶** or **◀◀◀** to select a track.

When playing an MP3 CD, you can also select a folder using **FOLDER +** or **-**.

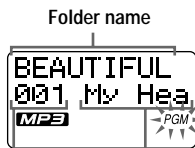
Audio CD



Track number

Playing order

MP3 CD



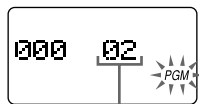
Playing order

File name scrolls.

3 Press **REPEAT/ENTER** quickly to enter the selected track.

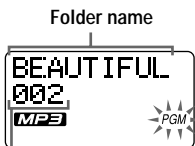
“000” appears (audio CD only) and the playing order increases by one.

Audio CD



Playing order

MP3 CD



Playing order

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

5 Hold down **REPEAT/ENTER** to start PGM play.

To check the program

During programming:

Press REPEAT/ENTER repeatedly before step 5.

During 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 32nd track in step 3, the first track selected appears in the display.
- If you select more than 32 tracks, the first tracks selected are erased.

When playing MP3 files

In PGM mode, you can program up to 32 files the same as you would for audio CD tracks.

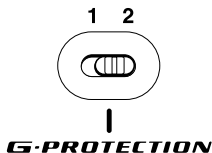
G-PROTECTION function

The G-PROTECTION function has been developed to provide excellent protection against sound skipping during many active uses.

When you set the G-PROTECTION switch on your CD player to “2”, the G-PROTECTION function will be enhanced compared to “1.”

To walk with the CD player and enjoy high quality CD sound using the G-PROTECTION function, set the G-PROTECTION switch to “1.” While taking harder exercise, it is recommended that you set it to “2.”

Set G-PROTECTION (under the lid) to “1” or “2.”



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

Note

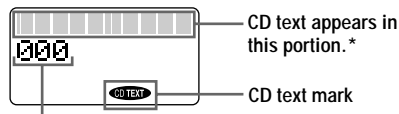
Sound may skip:

- 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 original recording device or application software.

Displaying CD text information

When you play an audio CD containing CD text information, the track name, disc name, artist name, etc., appear in the display.

Display

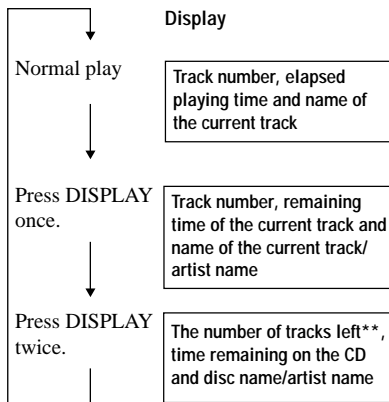


The “track number” appears.

* While the CD player is reading the information on the CD, “READING” appears.

Press DISPLAY.

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



** Not displayed during Single play, Shuffle play or PGM play.

Note

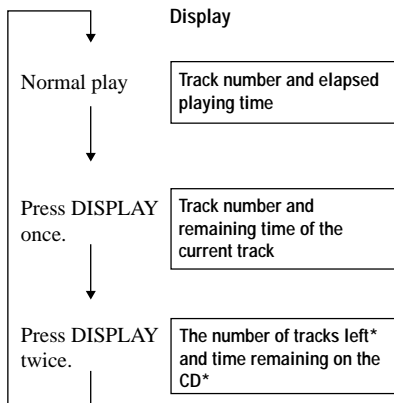
CD text displayed on this CD player is in English only.

Checking the time remaining on the CD and the number of tracks left

You can check the time remaining on the audio CD and the number of tracks left using DISPLAY.

Press DISPLAY.

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



* Not displayed during Single play, Shuffle play or PGM play.

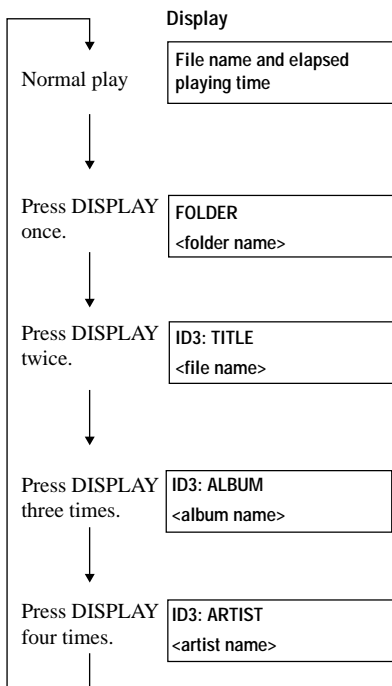
Checking information on a CD with MP3 files

You can check information on a CD with MP3 files using DISPLAY.

You can also check ID3 tag (Version 1.1) information if the file has that information stored. (See "About ID3 tag.")

Press DISPLAY.

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



Available features

(Continued)

Checking information on a CD with MP3 files

Checking the total number of files and folders on a CD with MP3 files

While you are holding down DISPLAY, the total number of files and that of folders are displayed.

Total number of folders
Total number of files

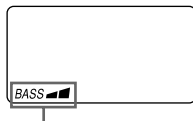
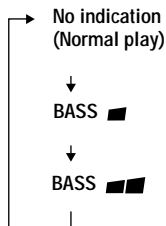
Notes

- If the folder does not have a folder name, "ROOT" appears in the display.
- If the file does not have ID3 tag information, "- - -" appears in the display.

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.

Protecting your hearing (AVLS)

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

Hold down SOUND until “AVLS” appears in the display.



Flashes for 5 seconds when the volume is turned up beyond a certain level.

To turn off the AVLS function

Hold down SOUND until “AVLS” disappears from the display.

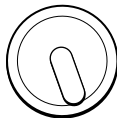
Notes

- If you use the SOUND function and the AVLS function at the same time, sound may be distorted. If this happens, turn down the volume.
- Make sure to turn down the volume before turning off the AVLS function to avoid unexpectedly loud playback.

Locking the controls (HOLD)

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

Slide HOLD in the direction of the arrow.



Flashes for 5 seconds if you press any button when the HOLD function is activated.

To unlock the controls

Slide HOLD in the opposite direction of the arrow.

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.

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

2 Connect the power source while pressing ■/CHG for 2 seconds or more.

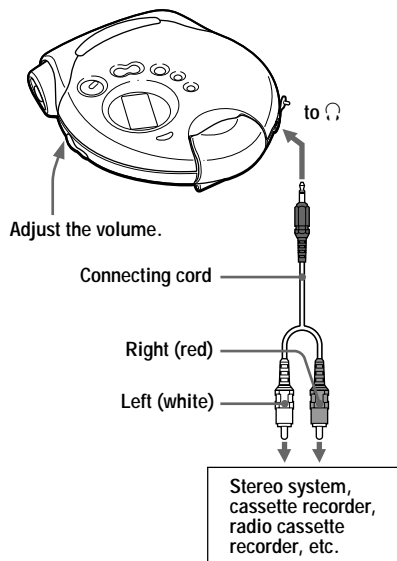
To turn on the beep sound

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 CD player and connected device so that the sound will not be distorted or noisy.

About the G-PROTECTION function when using the connecting cord

To record high quality CD sound, set the G-PROTECTION switch to "1."

► Connecting to a power source

You can use the following power sources:

- Rechargeable batteries
- AC power adaptor (see “Playing an audio CD or MP3 files”)
- LR6 (size AA) alkaline batteries

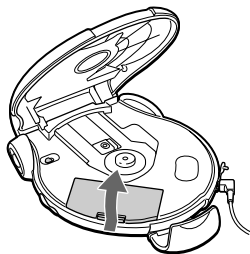
For the battery life and charging time of the rechargeable batteries, see “Specifications.”

Using the rechargeable batteries

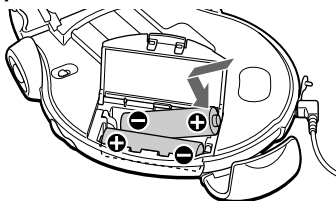
Charge the rechargeable batteries before using them for the first time. You can use only the following rechargeable batteries for your CD player:

- NH-WM2AA (NH-WMAA × 2)

1 Open the battery compartment lid inside your CD player.

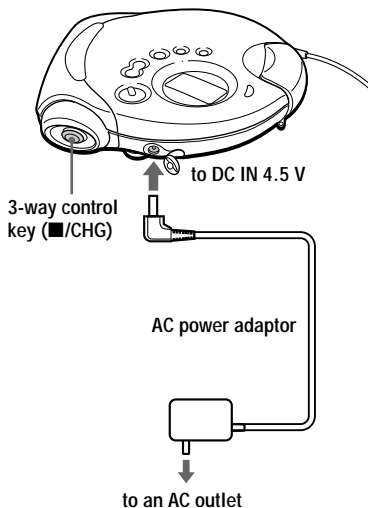




2 Insert two rechargeable batteries by matching the ⊕ to the diagram in the battery compartment and close the lid until it clicks into place.




Insert the ⊖ end first
(for both batteries).

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.



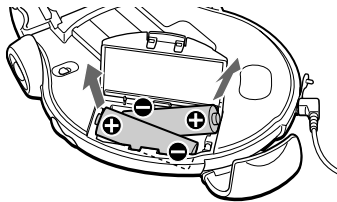
The CD player charges the batteries. The “Charging” flashes in the display and the indicator sections of  light up in succession. When the batteries are completely charged, the “Charging” and  indicators turn off.

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.

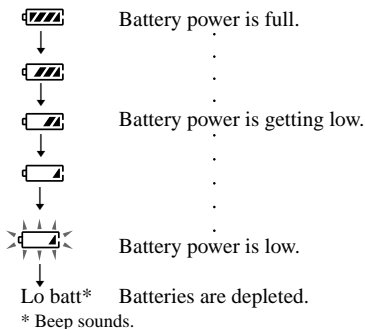
To remove the rechargeable batteries

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

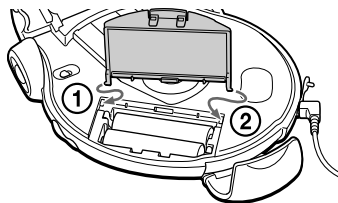
If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times.

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 \oplus to the diagram in the battery compartment.

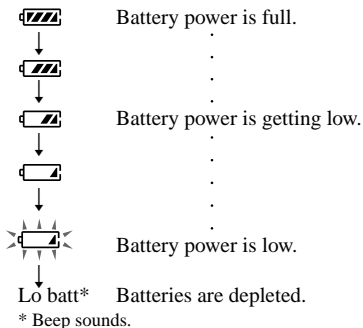
Insert the \ominus end first (for both batteries).

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

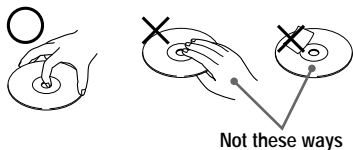
- Should any solid objects or liquid fall into the CD player, unplug it and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 4.5 V (external power input) jack.

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.



- 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.
- Do not use the CD soiled with dust. Malfunction may occur.

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.

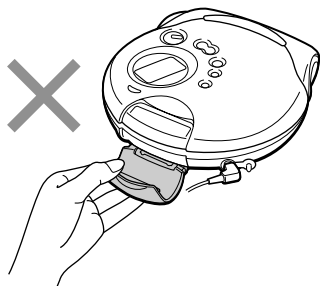
(Continued)

Precautions

- 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 ϕ 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.



Do not hold the player with the buckle by itself. Doing so may damage the unit.

Maintenance

To clean the casing

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

To clean the headphones/earphones plug

Keep the plug of your headphones/earphones 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.

Symptom	Cause and/or corrective actions
The volume does not increase even if the VOL control is adjusted to the maximum level.	→ If "AVLS" appears in the display, hold down SOUND until "AVLS" disappears from the display. (page 19)
No sound, or noise is heard.	→ Connect the plugs firmly. (page 6) → Plugs are dirty. Clean the plugs with a dry soft cloth periodically. → When playing a CD containing both MP3 files and files recorded in a format other than MP3, you selected the latter file type. This CD player can play tracks recorded in the CD-DA format or MP3 files recorded in the CD-ROM format only. (page 8)
The playing time is too short when powered with the dry batteries.	→ Check that you are using alkaline batteries and not manganese batteries. (page 24) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 24)
The playing time is too short when powered with the rechargeable batteries.	→ Charge and discharge the rechargeable batteries several times. (pages 22, 23)
"Lo batt" or "000" appears in the display. The CD does not play.	→ The rechargeable batteries are used up completely. Charge the batteries. (pages 22, 23) → Replace the batteries with new LR6 (size AA) alkaline batteries. (page 24)
"Hi dc In" appears in the display.	→ Use only the AC power adaptor or car battery cord in "Accessories (supplied/optional)." (page 30) → Remove all power sources, then insert the batteries or connect the AC power adaptor again. (pages 6, 22 - 24)
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 19) → The CD is dirty or defective. (page 25) → 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 22) → Make sure the batteries are inserted correctly. (pages 22 - 24) → Connect the AC power adaptor to an AC outlet securely. (page 6) → Push the 3-way control key toward ►/▶▶ after one second or more has passed since the AC power adaptor was connected. → The CD-R/CD-RW is blank. → There is a problem with the quality of the CD-R/CD-RW, recording device, or application software. (page 8) → The CD-R/CD-RW was not finalized. Finalize the CD-R/CD-RW with the recording device.
"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 19)

(Continued)

Symptom	Cause and/or corrective actions
The CD player does not start charging.	→ During stop, press ■/CHG. (page 22)
Playback starts from the point you stopped. (resume function)	→ The resume function is working. To start play from the first track, push the 3-way control key toward ►/▶▶ and hold it for 2 seconds or more, or 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, 7, 22, 24)
Rustling noise is heard from the CD.	→ Close the lid of the battery compartment firmly. (page 22)
When using with a connected stereo system, the sound is distorted or noisy.	→ Adjust the volume of the CD player and the connected device. (page 21)
During playback of an MP3 CD, the CD does not rotate but you can hear the sound normally.	→ The CD player is designed to stop the rotation of an MP3 CD during playback to reduce the power consumption. The player is not malfunctioning.
“NO FILE” appears in the display after you push the 3-way control key toward ►/▶▶ or the lid of the CD player is closed.	→ There are no MP3 files in the CD. → A CD-RW from which the data has been erased is being used. → The CD is dirty.
The CD does not start playing. It takes a long time to start playback.	→ Finalize the CD. (page 8)
When closing the lid of the CD player, the CD starts to rotate.	→ The CD player is reading the information on the CD. The player is not malfunctioning.

Specifications

System

Compact disc digital audio system

Laser diode properties

Material: GaAlAs

Wavelength: $\lambda = 780 \text{ nm}$

Emission duration: Continuous

Laser output: Less than $44.6 \mu\text{W}$

(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

20 - 20 000 Hz -0.5 dB (measured by JEITA CP-307)

Output (at 4.5 V input level)

Headphones (stereo minijack)

Approx. 5 mW + Approx. 5 mW at 16Ω

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):
U/U2/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/KR4 model: 100 - 240 V, 50/60 Hz
HK2 model: 220 V, 50/60 Hz
AR1/CNA model: 220 V, 50 Hz

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.

Figures in brackets show the playing time of MP3 files.

When using	G-PROTECTION function	
	"1"	"2"
NH-WM2AA (charged for about 5 hours**)	22 [16]	23 [16]
Two Sony alkaline batteries LR6 (SG) (produced in Japan)	37 [24]	38 [24]

* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association).

** 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) (including projecting parts and controls)

Approx. $134.1 \times 38.5 \times 147.8 \text{ mm}$
($5 \frac{1}{4} \times 1 \frac{1}{2} \times 5 \frac{7}{8} \text{ in.}$)

Mass (excluding accessories)

Approx. 321 g (11.4 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/earphones (1)

Hand strap (1)

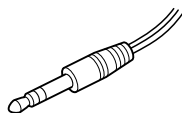
For US customers

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.

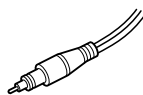
Optional accessories

AC power adaptor	AC-E45HG
Active speaker system	SRS-T1 SRS-Z500
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 (NH-WMAA × 2)
Earphones	MDR-E848LP MDR-EX70LP
Headphones	MDR-A44L MDR-A110LP

When using optional headphones, use only headphones with stereo miniplugs. You cannot use headphones with micro plugs.



Stereo miniplug



Micro plug

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

About "MP3"

What is the MP3?

MP3 (MPEG 1 Audio Layer-3) is a standard technology and format for compressing a sound sequence. The file is compressed to about 1/10 of its original size. Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed.

Playable "MP3" files on this player

You can only play MP3 files recorded by following requirements.

USABLE MEDIA

CD-Rs and CD-RWs

USABLE DISC FORMAT

You can use ISO 9660 Level 1/2 and Joliet extension format discs. This unit can display only 1-byte characters. (2-byte characters like those of Japanese are displayed as "-.")

The major specification of the usable disc format is:

- Maximum directory steps: 8
- Usable characters for a file/folder name: A - Z, 0 - 9, _ (underscore)
- Maximum number of characters for a file name: 64 and a 3-character extension code

Notes

- When naming, be sure to add the file extension "mp3" to the file name.
- If you put the extension "mp3" to a file other than an MP3 file, the player cannot recognize the file properly.
- The file name does not correspond to the ID tag.

THE USABLE NUMBER OF FOLDERS/FILES

- Maximum number of folders: 255
- Maximum number of files: 255

SETTINGS FOR COMPRESSION SOFTWARE AND WRITING SOFTWARE

- To compress a source for an MP3 file, we recommend setting the transfer bit rate of the compression software to "44.1 kHz", "128kbps," and "Constant Bit Rate."
- To record up to the maximum capacity, set to the "halting of writing".
- To record at one time up to the maximum capacity on media that has nothing recorded on it, set to "Disc at Once."

NOTES FOR SAVING FILES ON THE MEDIA

When the disc is inserted, the player reads all the files on that disc. If there are many folders or non-MP3 files on the disc, it may take a long time for play to begin or for the next MP3 file to start play.

Do not save unnecessary folders or files other than MP3 ones in the disc to be used for MP3 listening.

We recommend that you do not save other types files or unnecessary folders on a disc that has MP3 files.

About "ID3 tag"

ID3 tag is a format for adding certain information (track name, album name, artist name, etc.) to MP3 files.

Note

This CD player conforms to Version 1.1 of the ID3 tag format. If you use a version other than 1.1, ID3 tag information will not be displayed correctly, but the file can be played back.

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.sony.net/>

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