

## Precautions

### On safety

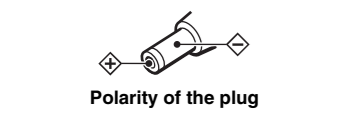
- As the laser beam used in the CD player section is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the player, unplug the player, and have it checked by qualified personnel before operating it any further.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this player. Attempting to do so may damage the player. Do not use such discs.

### Cleaning the cabinet

- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as alcohol or benzine.

### On power sources

- For AC operation, use the supplied AC power adaptor, do not use any other type.



- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- Unplug the player from the wall outlet when it is not to be used for an extended period of time.
- When the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- The nameplate indicating operating voltage, etc. is located at the rear.

### On placement

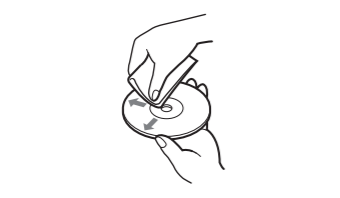
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components.
- If the player is left in a car parked in the sun, be sure to choose a location in the car where the player will not be subjected to the direct rays of the sun.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the player to prevent possible damage from the magnet.

### On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the CD player section. Should this occur, the player will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.

### Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.



- Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.
  - Do not expose the CD 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 temperature inside the car.
  - Do not stick paper or sticker on the CD, nor scratch the surface of the CD.
  - After playing, store the CD in its case.
- If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error.

### About CD-Rs/CD-RWs

This player can play CD-Rs/CD-RWs recorded in the CD-DA 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.

### Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

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

## Troubleshooting

### General

### The power does not come on.

- Connect the AC power adaptor to a wall outlet securely.

### There is no audio.

- Make sure the function you want to use appears in the display window.
- Adjust the volume.
- Unplug the headphones when listening through speakers.

### Noise is heard.

- Someone is using a portable telephone or other equipment that emits radio waves near the player. →Move the portable telephone, etc., away from the player.

### CD Player

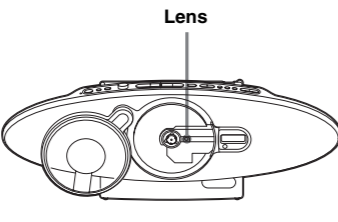
### The CD does not play or “no disc” lights in the display even when a CD is in place.

- Place the CD with the label surface up.
- Make sure that the CD compartment is closed.
- Clean the CD.
- Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.
- Make sure “Cd” appears in the display.
- 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.

### The sound drops out.

### Noise is heard.

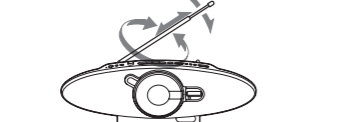
- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the player in a location free from vibration.
- Clean the lens with a commercially available blower.
- The sound may drop out or noise may be heard when using poor quality CD-Rs/CD-RWs or if there is a problem with the recording device or application software.



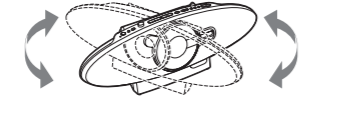
### Radio

### Reception is poor.

- Reorient the antenna to improve FM reception.



- Reorient the player itself to improve AM reception.



### The audio is weak or has poor quality.

- Move the player away from the TV.
- If you are using the remote while listening to AM radio, noise may be heard. This is unavoidable.

### The picture of your TV becomes unstable.

- If you are listening to an FM program near the TV with an indoor antenna, move the player away from the TV.

### Remote

### The remote does not function.

- Replace the battery in the remote with new one if it is weak.
- Make sure that you are pointing the remote at the remote sensor on the player.
- Remove any obstacles in the path of the remote and the player.
- Make sure the remote sensor is not exposed to strong light such as direct sunlight or fluorescent lamp light.
- Move closer to the player when using the remote.

After trying the above remedies, if you still have problems, unplug the AC power adaptor. After all the indications in the display disappear, plug the AC power adaptor. If the problem persists, please consult your nearest Sony dealer.

## Specifications

### AUDIO POWER SPECIFICATIONS

### POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 6-ohm loads, both channels driven from 1 000 - 10 000 Hz; rated 3.5 W per channel-minimum RMS power, with no more than 10 % total harmonic distortion in AC operation.

### Other specifications

### CD player section

System
Compact disc digital audio system
Laser diode properties
Material: GaAlAs
Wave length: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of about 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)
Spindle speed
200 r/min (rpm) to 500 r/min (rpm) (CLV)
Number of channels
2
Frequency response
20 - 20 000 Hz +1/−2 dB
Wow and flutter
Below measurable limit

### Radio section

Frequency range
FM: 87.5 - 108 MHz
AM: 531 - 1 611 kHz (Taiwan model)
530 - 1 710 kHz (Other models)
Antennas
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

### General

Speaker
Full range: 8 cm (3 ¼ in.) dia., 6 Ω, cone type (2)
Input
LINE IN jack (stereo minijack):
Minimum input level 330 mV
Outputs
Headphones jack (stereo minijack):
For 16 - 68 Ω impedance headphones
OPTICAL DIGITAL OUT (CD) (optical output connector):
Wavelength 630 - 690 nm
Power output
4 W + 4 W (at 6 Ω, 10% harmonic distortion)
Power requirements
For Personal Audio System:
DC IN 10V jack accepts: Supplied AC power adaptor for use with: 120V AC, 60 Hz
For remote control:
3 V DC, 2 size AAA (R03) batteries
Dimensions
Approx. 530 × 195 × 127 mm (w/h/d)
(20 ¼ × 7 ¾ × 5 inches) (incl. projecting parts)
Mass
Approx. 2.5 kg (5 lb. 8 oz)
Supplied accessory
AC power adaptor (1)
Remote control (1)

Design and specifications are subject to change without notice.

### Optional accessories

Sony MDR headphone series

## SONY

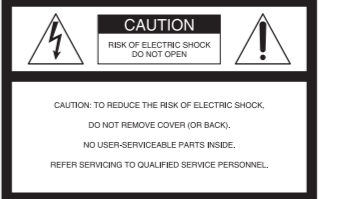
# Personal Audio System

### Operating Instructions

### English

## WARNING

**To prevent fire or shock hazard, do not expose the player to rain or moisture.**



- This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

- This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

### CAUTION

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

### WARNING

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet. To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the appliance.

### For customers in Canada

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

### Information

### For 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.

This class B digital device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Replace the AC power adaptor with model AC-CD10 only, if replacement is necessary.

### Owner's Record

The model number and serial number are located at the rear. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product. Model No. ZS-D10 Serial No. \_\_\_\_\_

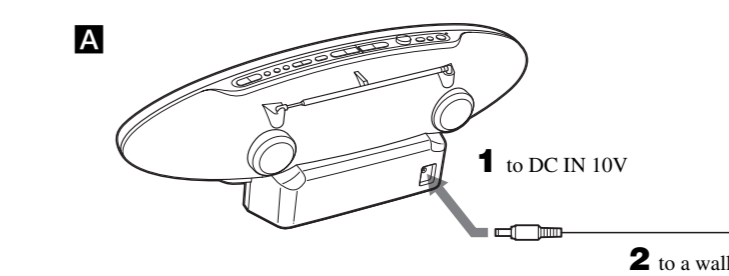
### For customers in the USA

Please register this product on line at <http://www.sony.com/productregistration>. Proper registration will enable us to send you periodic mailings about new product, 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.

<http://www.sony.net/>



## Power Sources



- Connect the AC power adaptor **A**.

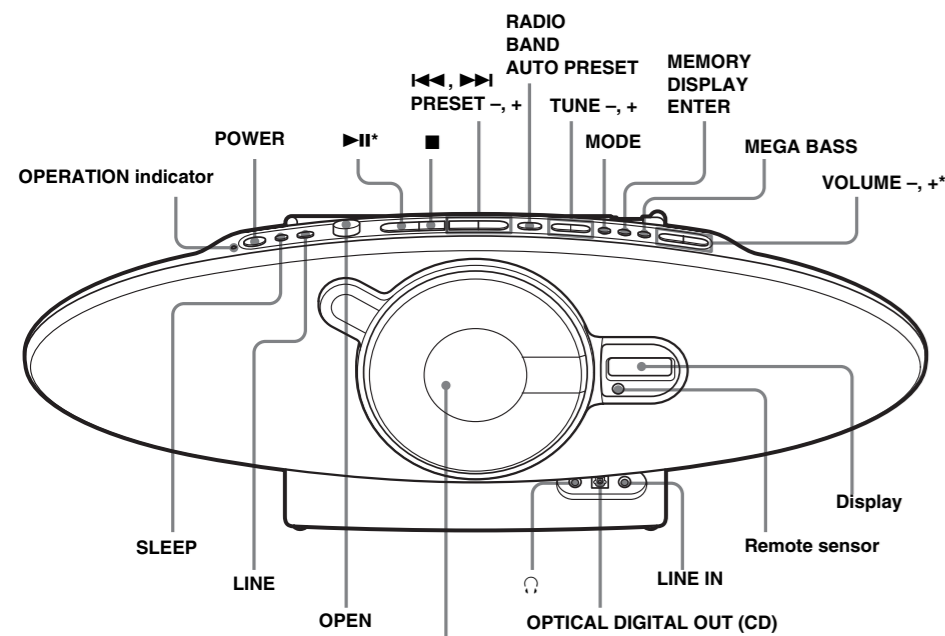
### Preparing the remote **B**

Insert two size AAA (R03) batteries (not supplied).

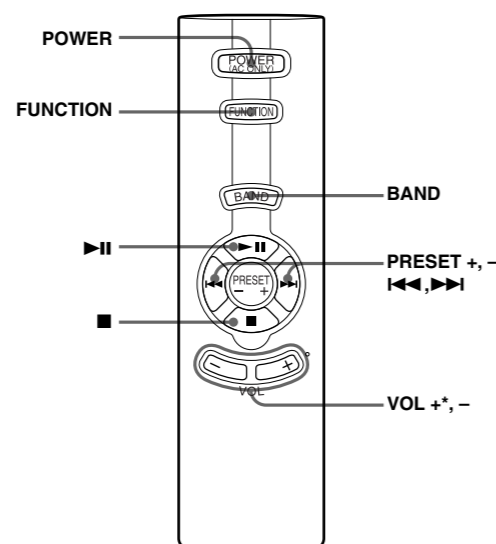
### Replacing batteries

With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace two batteries with new ones.

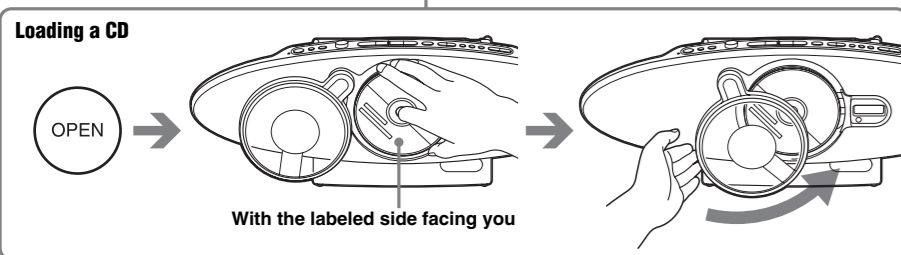
## Location of controls



### Remote Control



\*The button has a tactile dot.



### To turn on/off the power

Press POWER.

### To adjust the volume

Press VOLUME +, - (VOL +, - on the remote).

### To listen through headphones

Connect the headphones to the (headphones) jack.

### To turn off the blue light of the CD compartment lid

When the player is turned on, the blue light of the CD compartment lid lights. To turn the light off, press and hold MODE for about 4 seconds.

To turn the light on again, press and hold MODE for about 4 seconds.

## Adjusting the audio emphasis

You can adjust the audio emphasis of the sound you are listening to.

### To reinforce the bass sound

Press MEGA BASS.

"MEGA BASS" appears in the display.

To return to normal sound, press the button again.

## Playing a CD

- 1 Press POWER to turn on the player.
- 2 Press OPEN to load a CD in the CD compartment.
- 3 Close the CD compartment by hand.
- 4 Press ►||.

The player plays all the tracks once.

To	Press
stop playback	■
pause playback	►
go to the next track	►
go back to the previous track	◄
remove the CD	OPEN
locate a point while listening to the sound	►    (forward) or ◄    (backward) while playing until you find the point
locate a point while observing the display	►    (forward) or ◄    (backward) in pause until you find the point

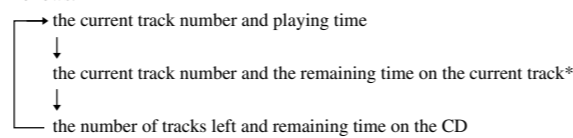
## Using the display

### To check the total track number and playing time

Press MEMORY/DISPLAY/ENTER in stop mode (see fig. ).

### To check the remaining time

Press MEMORY/DISPLAY/ENTER repeatedly while playing a CD. The display changes as follows:



\* For a track whose number is more than 20, the remaining time appears as "- :-" in the display.

## Selecting the play mode

Press MODE until "REP 1" "REP ALL" "SHUF" "SHUF REP" "PGM" "PGM REP" appears in the display. Then proceed as follows:

To	Select	Then do this
repeat a single track	"REP 1"	Press ◄    or ►    to select the track that you want to repeat, then press ►  .
repeat all tracks	"REP ALL"	Press ►  .
shuffle play	"SHUF"	Press ►  .
repeat tracks in random order	"SHUF REP"	Press ►  .
programme play	"PGM"	Press ◄    or ►    then press MEMORY/DISPLAY/ENTER for the tracks you want to programme in the order you want up to 20 tracks (see fig. ). Then press ►  .
repeat programmed tracks	"PGM REP"	Press ◄    or ►    then press MEMORY/DISPLAY/ENTER for the tracks you want to programme in the order you want up to 20 tracks. Then press ►  .

### To cancel selected play mode

Press MODE until the selected mode disappears from the display.

### To check the programmed track and playing order in the display

To check the order of tracks before play, press MEMORY/DISPLAY/ENTER.

Every time you press the button, the track number appears in the programmed order.

### To change the current programme

Press ■ once if the CD is stopped and twice if the CD is playing. The current programme will be erased. Then create a new programme following the programming procedure.

### Tip

You can play the same programme again, since the programme is saved until you open the CD compartment.

## Listening to the radio

- 1 Press POWER to turn on the player.
- 2 Press RADIO•BAND•AUTO PRESET until the band you want appears in the display. Each time you press the button, the indication changes as follows: "FM" → "AM".
- 3 Hold down TUNE + or - until the frequency digits begin to change in the display. The player automatically scans the radio frequencies and stops when it finds a clear station. If you can't tune in a station, press the button repeatedly to change the frequency step by step.

### Tip

If the FM broadcast is noisy, press MODE until "Mono" appears in the display and the radio will play in monaural.

## Presetting radio stations

You can store radio stations into the player's memory. You can preset up to 30 radio stations, 20 for FM and 10 for AM in any order.

- 1 Press POWER to turn on the player.
- 2 Press RADIO•BAND•AUTO PRESET to select the band.
- 3 Hold down MEMORY/DISPLAY/ENTER for 2 seconds until "AUTO" flashes in the display.
- 4 Press MEMORY/DISPLAY/ENTER. The stations are stored in memory from the lower frequencies to the higher ones.

### If a station cannot be preset automatically

You need to preset a station with a weak signal manually.

- 1 Press or POWER to turn on the player.
- 2 Press RADIO•BAND•AUTO PRESET to select the band.
- 3 Tune in a station you want.
- 4 Hold down MEMORY/DISPLAY/ENTER for 2 seconds until the preset number flashes in the display.
- 5 Press PRESET + or - until the preset number you want for the station flashes in the display.
- 6 Press MEMORY/DISPLAY/ENTER. The new station replaces the old one.

### Tip

The preset radio stations remain in memory even if you unplug the AC power adaptor.

## Playing preset radio stations

- 1 Press POWER to turn on the player.
- 2 Press RADIO•BAND•AUTO PRESET to select the band.
- 3 Press PRESET + or - to tune in the stored station.

## Connecting optional components

You can record a CD on a MiniDisc and enjoy the sound from other components, such as portable MD, CD player and TV, VCR through the speakers of this player.

Be sure to turn off the power of each component before making connections. For details, refer to the instructions of the component to be connected.

## Recording a CD on a MiniDisc recorder and DAT recorder

- 1 Open the jack cover of the OPTICAL DIGITAL OUT (CD) jack of this player and connect the jack with the digital input jack of MiniDisc and DAT using the digital connecting cable \* (not supplied).

\* Select a connecting cable depending on the type of the digital input jack of the recorder to be connected. For details, refer to the instruction manual of the component to be connected. The OPTICAL DIGITAL OUT (CD) jack of this unit is square-shaped jack.

The type of the jack of the component to be connected	Model number of the connecting cable
Optical miniplug (MiniDisc recorder, etc.)	POC-5AB
L-type 7-pin connector (DAT recorder, etc.)	POC-DA12P
Square-shaped optical connector (MiniDisc recorder, DAT recorder, etc.)	POC-10A

- 2 Turn on the power of this player and the connected component.
- 3 Make the connected component ready for recording.
- 4 Press ►|| to start playing a CD on this player.

## Listening to the sound from the connected components

- 1 Connect the LINE IN jack of this player with the line output jack or headphones jack of other component using the audio connecting cable\* (not supplied).
  - \* For Minidisc recorder: a cable with a stereo-mini plug on both ends.
  - \* For TV, VCR: a cable with a stereo-mini plug on one end and tow phono plugs on the other end.

- 2 Press LINE to display "LInE".

- 3 Play the optional component connected to the LINE IN jack of the player.

### Note

Connect the cords firmly to avoid any malfunction.

## Falling asleep to music

- 1 Play the music source you want.
- 2 Press SLEEP.
- 3 Press SLEEP to select the minutes until the player goes off automatically. Each time you press the button, the indication changes as follows: "60" → "90" → "120" → "OFF" → "10" → "20" → "30".

### To cancel the sleep function

Press POWER to turn off the power.

### Tip

The blue light of the CD compartment lid goes off while the sleeping timer is on.