

Personal Audio System

Operating Instructions

http://www.sony.net/



©2012 Sony Corporation Printed in China

ZS-S10CP

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation of the apparatus with newspapers, tablecloths, curtains, etc. And do not place lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus as long as it is connected to the wall outlet, even if the unit itself has been turned off.

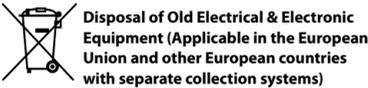
The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

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

Do not expose the batteries (battery pack or batteries installed) to excessive heat such as sunshine, fire or the like for a long time.

The nameplate and important information concerning safety are located on the bottom exterior.

Excessive sound pressure from earphones and headphones can cause hearing loss.



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

Specifications

CD player section	Mass Approx. 2.4 kg (incl. batteries)
System	Supplied accessories AC power cord (1)
Compact disc digital audio system	
Laser diode properties	
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.)	
Number of channels	
2	
Frequency response	
20 Hz - 20,000 Hz +1/-2 dB	
Wow and flutter	
Below measurable limit	
Radio section	
Frequency range	
FM: 87.5 MHz - 108 MHz	
AM: 531 kHz - 1,602 kHz	
IF	
FM: 128 kHz	
AM: 45 kHz	
Antennas	
FM: Telescopic antenna	
AM: Built-in ferrite bar antenna	

General
Speaker
Full range: 8 cm dia., 8 Ω, cone type (2)
Outputs
Headphones jack (stereo minijack): For 16 Ω - 32 Ω impedance headphones
Input
AUDIO IN jack (stereo minijack)
Power output
1.0 W + 1.0 W (at 8 Ω, 10% harmonic distortion)
Power requirements
For CD radio: 230 V AC, 50 Hz 9 V DC, 6 R14 (size C) batteries
Power consumption
AC 11 W
Battery life*
For CD radio:
FM reception
R14P: approx. 7 h
Sony alkaline LR14: approx. 30 h
CD playback
R14P: approx. 1.5 h
Sony alkaline LR14: approx. 13 h

Dimensions
Approx. 299 mm × 126 mm × 210 mm (w/h/d) (incl. projecting parts)

Note on DualDiscs

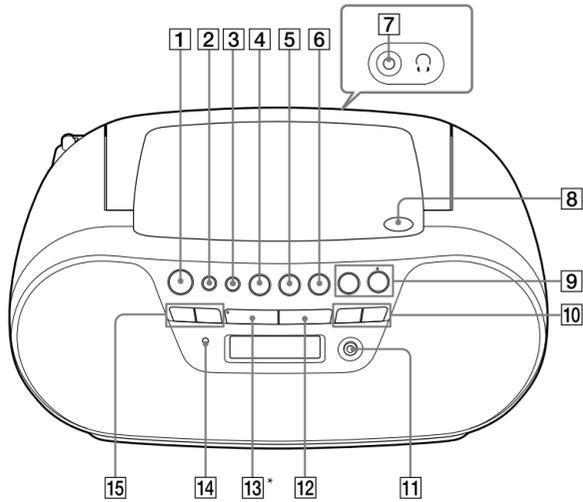
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies

This product is designed to playback 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.

MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

Basic Operations



* VOLUME + [9] and [13] have a tactile dot.

Before using the unit

To turn on/off the power
European model: Press OPERATE [1].
Other models: Press POWER [1].

Note
When turning on the power, hold down OPERATE (or POWER) [1] until OPR/BATT indicator [14] lights up.

To adjust the volume
Press VOLUME +, - [9].

To listen through headphones
Connect the headphones to the [7] (headphones) jack [7] on the back of the unit.

Playing a CD/MP3 disc

- Press OPERATE (or POWER) [1].
- Press CD [4].
- Press PUSH OPEN/CLOSE [8], and place a disc with the label side up on the CD compartment.
To close the CD compartment, press PUSH OPEN/CLOSE [8].



- Press [13].
The unit plays all the tracks/MP3 files once. When you play an MP3 disc, the MP3 indicator lights up after the unit has read the file information.

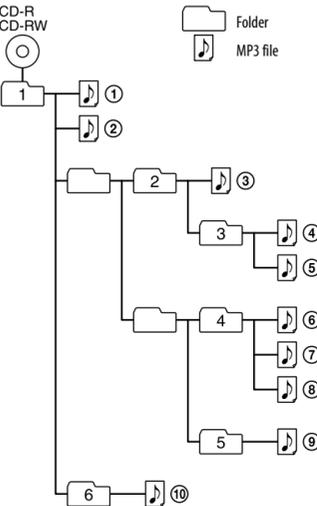
Audio CD	
After the track number is displayed, the playing time* will appear.	
MP3 disc	
After the MP3 folder number and track number are displayed, the playing time* will appear.	

* If the playing time is more than 100 minutes, "--:--" appears in the display.

To	Press
Pause playback	[13]. To resume play, press it again.
Stop playback	[12].
Go to the next track/MP3 file	[10].
Go back to the previous track/MP3 file	[10].
Select a folder on an MP3 disc	[15] to go forward and [15] to go backward.
Locate a point while listening to the sound	[13] (forward) or [13] (backward) during playback and hold it until you find the point.
Locate a point while observing the display	[13] (forward) or [13] (backward) in pause and hold it until you find the point then press [13].
Remove the CD	PUSH OPEN/CLOSE [8].

- Tips**
- Playback starts from the track/MP3 file you last stopped playing (Resume play). During stop, the track/MP3 file number to be played is displayed.
 - To cancel the resume play (to start play from the beginning of the first track/MP3 file), press [12] while the CD is stopped. When you open the CD compartment, resume play is cancelled. If the unit is turned off while the AC power cord is connected, resume play will not be cancelled.

Example of folder structure and playing order
The playing order of the folders and files is as follows:



- Notes on MP3 discs**
- When the disc is inserted, the unit reads all the files on that disc. During this time, "READING" is displayed. 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 to play. We recommend that you do not save unnecessary folders or files other than MP3 ones in the disc to be used for MP3 listening.
 - A folder that does not include an MP3 file is skipped.
 - Maximum number of files: 511
Maximum number of folders: 256 (including the root folder)
Maximum number of folders and files in total: 512
Maximum directory levels: 8
 - If you put the extension ".mp3" to a file other than an MP3 file, the unit cannot recognize the file properly and will generate random noise that could damage your speakers.

Listening to the radio

- Press OPERATE (or POWER) [1].
- Press RADIO BAND [5] repeatedly.
Each time you press the button, the radio band toggles between AM and FM.
- Hold down [15] until the frequency digits begin to change in the display.
The unit automatically scans the radio frequencies and stops when it finds a clear station.
If you cannot tune in a station, press [15] + or - [15] repeatedly to change the frequency step by step.
When an FM stereo broadcast is received, "ST" appears.

Tip
If an FM broadcast is noisy, setting to monaural usually reduces the noise.
1 Press MODE [3].
"ST" or "Mono" appears.
2 While "ST" is displayed, press MODE [3] to display "Mono."

Other Operations

Using the display

You can check information about the CD using the display.

Checking the information of an audio CD

To check the total track number and playing time of the CD

After reading the CD, the total playing time will appear, or press ■ **[12]** twice to cancel Resume play.



Checking the information of an MP3 disc

To check the total folder/file number and total file number on the CD

After reading the folder/file information, the total folder number and the file number will appear, or press ■ **[12]** twice to cancel Resume play.



Playing tracks/MP3 files repeatedly

(Repeat Play)

You can play tracks/MP3 files repeatedly in normal and program play modes.

1 Press OPERATE (or POWER) **[1]**.

2 Press CD **[4]**.

3 Proceed as follows, while CD/MP3 disc is not playing.

To repeat	Do this
A single track/MP3 file	<ol style="list-style-type: none"> Press MODE [3] (press ■ [12], then press MODE [3] during playback) until “↺ 1” appears. Press ◀◀ or ▶▶ [10] to select the track/MP3 file that you want to repeat. Press ▶▶ [13].
All tracks/MP3 files on the CD	<ol style="list-style-type: none"> Press MODE [3] (press ■ [12], then press MODE [3] during playback) until “↺” appears. Press ▶▶ [13].
A selected folder (MP3 disc only)	<ol style="list-style-type: none"> Press MODE [3] (press ■ [12], then press MODE [3] during playback) until “□” and “↺” appear. Select the folder by pressing □/TUNE + or – [15]. Press ▶▶ [13].
Programmed tracks/MP3 files	<ol style="list-style-type: none"> Program tracks/MP3 files (see “Creating your own program”). Press MODE [3] (press ■ [12], then press MODE [3] during playback) until “PGM” and “↺” appear. Press ▶▶ [13].

Note

• You cannot change the play mode while a track/MP3 file is playing or paused. When you press MODE **[3]** during playback, “PUSH STOP” appears in the display.

To cancel Repeat Play
Press MODE **[3]** (press ■ **[12]**, then press MODE **[3]** during playback) until “↺” disappears from the display.

Playing tracks/MP3 files in random order (Shuffle Play)

You can play tracks/MP3 files in random order.

1 Press OPERATE (or POWER) **[1]**.

2 Press CD **[4]**.

3 Press MODE **[3]** (press ■ **[12]**, then press MODE **[3]** during playback) until “SHUF” appears in the display.

4 Press ▶▶ **[13]** to start Shuffle Play.

To cancel Shuffle Play

Stop playing first. Then press MODE **[3]** (press ■ **[12]**, then press MODE **[3]** during playback) until “SHUF” disappears from the display.

Note

• You cannot change the play mode while a track/MP3 file is playing or paused. When you press MODE **[3]** during playback, “PUSH STOP” appears in the display.

Tips

• During Shuffle Play, you cannot select the previous track/MP3 file by pressing ◀◀ **[10]**.

• The resume function does not work during Shuffle Play.

Creating your own program (Program Play)

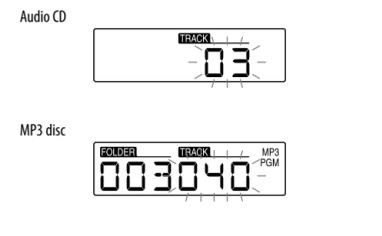
You can arrange the playing order of up to 20 tracks/MP3 files on a CD.

1 Press OPERATE (or POWER) **[1]**.

2 Press CD **[4]**.

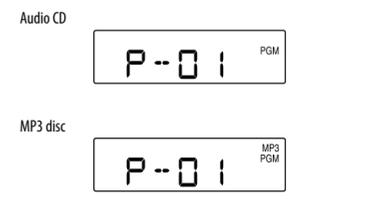
3 Press MODE **[3]** (press ■ **[12]**, then press MODE **[3]** during playback) until “PGM” appears in the display.

4 Press ◀◀ or ▶▶ **[10]** to select the track. For MP3 files, press □/TUNE + or – **[15]** first and then press ◀◀ or ▶▶ **[10]**. Track (File) number flashes in the display.



5 Press DISPLAY/ENTER **[2]**.

“P-xx” appears in the display.



6 To program another song, repeat steps **4** and **5**.

7 Press ▶▶ **[13]** to start Program Play.

To cancel Program Play

Stop playback first. Then press MODE **[3]** until “PGM” disappears from the display.

To check the order of tracks/MP3 files
Press DISPLAY/ENTER **[2]** (press ■ **[12]**, then press DISPLAY/ENTER **[2]** during playback). The last programmed step number appears in the display. After a few seconds, the last programmed track/folder number appears in the display.

To change the current program

Press ■ **[12]** once if the CD is stopped and twice if the CD is playing. The current program will be erased. Then create a new program following the programming procedure.

Tips

• If you try to program 21 tracks/MP3 files or more, “FULL” will appear in the display.
• You can play the same program again, since the program is saved until you open the CD compartment.
• The resume function does not work during Program Play.

Presetting radio stations

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

1 Press OPERATE (or POWER) **[1]**.

2 Press RADIO BAND **[5]** to select the band.

3 Hold down AUTO PRESET **[5]** for 2 seconds until “AUTO” flashes in the display.

4 Press DISPLAY/ENTER **[2]**.

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 OPERATE (or POWER) **[1]**.

2 Press RADIO BAND **[5]** to select the band.

3 Tune in a station you want using □/TUNE + or – **[15]**.

4 Press MANUAL PRESET **[13]**.

The band selected (“FM-xx” or “AM-xx”) appears in the display.

5 Press PRESET + or – **[10]** until the preset number you want for the station flashes in the display.

6 Press DISPLAY/ENTER **[2]**.

The new station replaces the old one.

Tip

The preset radio stations remain in memory even if you unplug the AC power cord or remove the batteries.

Playing preset radio stations

1 Press OPERATE (or POWER) **[1]**.

2 Press RADIO BAND **[5]** to select the band.

3 Press PRESET + or – **[10]** to tune in the stored station.

Connecting optional components

You can enjoy the sound from an optional component such as a portable digital music player through the speakers of this unit. Be sure to turn off the power of each component before making any connections. For details, refer to the instruction manual of the component to be connected.

1 Connect the AUDIO IN jack **[11]** to the line output jack of the portable digital music player or other components using an audio connecting cable (not supplied).

2 Press OPERATE (or POWER) **[1]** to turn the unit on.

3 Turn the connected component on.

4 Press AUDIO IN **[6]**, and start playback on the connected component.

The sound from the connected component is output from the speakers of this unit.

To connect the unit to a TV or VCR, use an extension cable (not supplied) with a stereo-mini jack on one end and two phono plugs on the other end.

Precautions

Discs that this unit CAN play

- Audio CD
- CD-R/CD-RW (CD-DA*/MP3 files)
- * CD-DA is the abbreviation for Compact Disc Digital Audio. It is a recording standard used for Audio CDs.

Discs that this unit CANNOT play

- CD-R/CD-RW other than those recorded in music CD format or MP3 format conforming to ISO9660 Level 1/Level 2 or Joliet
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW that has scratches or is dirty, or CD-R/CD-RW recorded with an incompatible recording device
- CD-R/CD-RW which is finalized incorrectly

Notes on discs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out. If there is a scratch, dirt or fingerprints on the CD, it may cause tracking error. 

- Do not use solvents such as benzine, 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, or 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 a sticker on the CD, or scratch the surface of the CD.
- After playing, store the CD in its case.

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 unit, unplug the unit, 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 unit. Attempting to do so may damage the unit. Do not use such discs.

On power sources

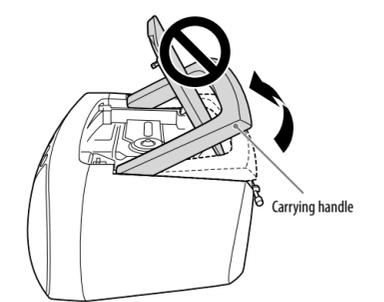
- For AC operation, check that the unit’s operating voltage is identical with your local power supply (see “Specifications”) and use the supplied AC power cord; do not use any other type.
- Unplug the unit from the wall outlet when it is not be used for an extended period of time.
- If the batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.

On placement

- Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, excessive dust or mechanical shock, or in a car subject to the direct rays of the sun.
- Do not place the unit 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 unit to operate properly and prolong the life of its components.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.

On operation

- If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player section. Should this occur, the unit will not operate properly. In this case, remove the CD and wait about an hour for the moisture to evaporate.
- The design of the carrying handle prohibits you from lifting it forcibly while the CD compartment is open.



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.

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

Troubleshooting

General

The power does not turn on.

- Connect the AC power cord to the wall outlet securely.
- Make sure the batteries are inserted correctly.
- Replace all the batteries with new ones if they are weak.

There is no audio.

- 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 unit. → Move the portable telephone, etc., away from the unit.

CD/MP3 player

The CD does not play or “noDISC” is displayed even when a CD is in place.

- Place the CD with the label surface up.
- Clean the CD.
- Take out the CD and leave the CD compartment open for about an hour to dry moisture condensation.
- 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.
- Replace all the batteries with new ones if they are weak.

The sound drops out.

- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the unit 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 a poor quality CD-R/CD-RW or if there is a problem with the recording device or application software.

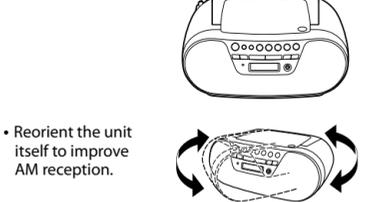
Starting playback takes more time than usual.

- The following discs take a longer time to start playback.
 - a disc recorded with a complicated tree structure.
 - a disc that has not been finalized (a disc to which data can be added).
 - a disc that has many folders or non-MP3 files.

Radio

Reception is poor.

- Reorient the antenna to improve FM reception. 



- Reorient the unit itself to improve AM reception.

The audio is weak or is poor quality.

- Replace all the batteries with new ones if they are weak.
- Move the unit away from the TV.
- If you are using the remote while listening to AM radio, noise may be heard.

The TV picture becomes unstable.

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

After trying the remedies, if you still have problems, unplug the AC power cord or remove all the batteries. After all the indications in the display disappear, plug the AC power cord back in, or insert the batteries again. If the problem persists, please consult your nearest Sony dealer.