

CD Radio Cassette-Corder

Operating Instructions

GB

CFD-S01

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WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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 place objects filled with liquids, such as vases, on the apparatus. Connect the apparatus to an easily accessible AC outlet. Should you notice an abnormality in the apparatus, disconnect the main plug from the AC outlet immediately.

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



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

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.

Notes 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.

Notice for customers in the United Kingdom

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, same rating fuse approved by ASTA or BSI to BS 1362, (i.e. marked with ⚡ or ⚡ mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

Specifications

CD player section

System
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 - 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 (9 kHz step)
530 - 1 610 kHz (10 kHz step)
IF
FM: 10.7 MHz
AM: 450 kHz
Antennas
FM: Telescopic antenna
AM: Built-in ferrite bar antenna

Cassette-corder section

Recording system
4-track 2 channel stereo
Fast winding time
Approx. 150 s (sec.) with Sony cassette C-60
Frequency response
TYPE I (normal): 80 - 10 000 Hz

General

Speaker
Full range: 8 cm dia., 4 Ω, cone type (2)
Outputs
Headphones jack (stereo minijack):
For 16 - 32 Ω impedance headphones
Power output
1.7 W + 1.7 W (at 4 Ω, 10% harmonic distortion)
Power requirements
For CD radio cassette-corder:
Malaysia and Singapore models: 230 - 240 V AC, 50Hz
Korean model: 220 V AC, 60 Hz
Argentine model: 220 - 230 V AC, 50 Hz
Other models: 230 V AC, 50Hz
9 V DC, 6 R14 (size C) batteries
Power consumption
AC 11 W
Battery life
For CD radio cassette-corder:

FM recording

Sony R14P: approx. 6 h
Sony alkaline LR14: approx. 20 h

Tape playback

Sony R14P: approx. 3 h
Sony alkaline LR14: approx. 12 h

CD playback

Sony R14P: approx. 1.5 h
Sony alkaline LR14: approx. 7 h

Dimensions
Approx. 360 × 141 × 235 mm (w/h/d)
(incl. projecting parts)

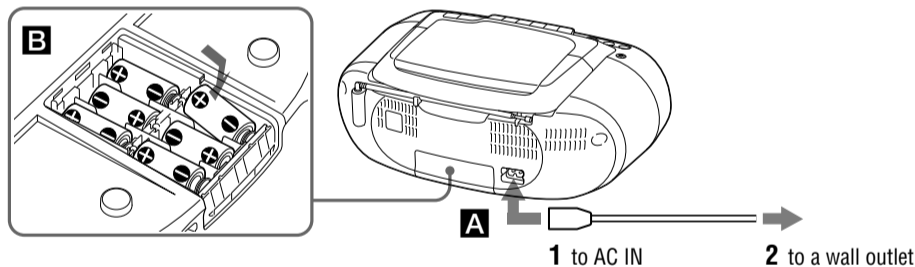
Mass
Approx. 2.6 kg (incl. batteries)
Supplied accessory
AC power cord (1)

Design and specifications are subject to change without notice.

Optional accessory

Sony MDR headphones series

Power sources



Connect the AC power cord **A** or insert six R14 (size C) batteries (not supplied) into the battery compartment **B**.

Notes

- Replace the batteries when the OPR/BATT indicator **1** dims or when the player stops operating. Replace all the batteries with new ones. Before you replace the batteries, be sure to take out the CD from the player.
- To use the player on batteries, disconnect the AC power cord from the player.

Before using the unit

To turn on/off the power

European model: Press OPERATE **1**.
Other models: Press POWER **1**.

To adjust the volume

Press VOLUME +, - **10**.

To listen through headphones

Connect the headphones to the (headphones) jack **13**.

To reinforce the bass sound

Press MEGA BASS **2**.
"MEGA BASS" appears in the display.
To return to normal sound, press the button again.

Falling asleep to music

- Play the music source you want.
- Press SLEEP **3** to display "SLEEP."
- Press SLEEP **3** 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 OPERATE (or POWER) **1** to turn off the power.

Note

When you are playing a tape using this function: If the tape length of one side is longer than the set time, the player will not go off until the tape reaches the end.

Precautions

Discs that this unit CAN play

- Audio CD
 - CD-R/CD-RW (CD-DA*)
- *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
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW that has scratches or are 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 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.

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.

On power sources

- For AC operation, check that the player'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.
- 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 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, power consumption, etc. is located at the bottom.

On placement

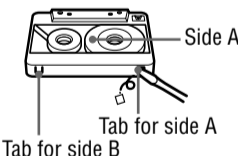
- Do not leave the player in a location near heat sources, in a place subject to direct sunlight, excessive dust or mechanical shock or in a car subject to the direct rays of the sun.
- Do not place the player on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and prolong the life of its components.
- 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 lens 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.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Notes on cassettes

- Break off the cassette tab from side A or B to prevent accidental recording. If you want to reuse the tape for recording, cover the broken tab with adhesive tape.



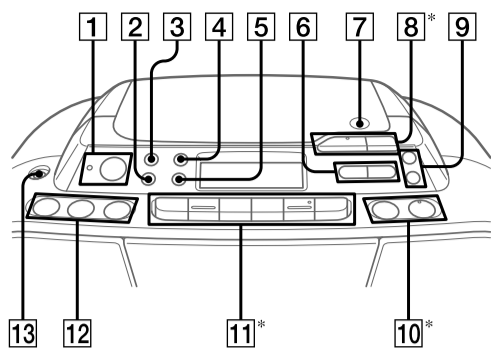
- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

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 benzene.

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

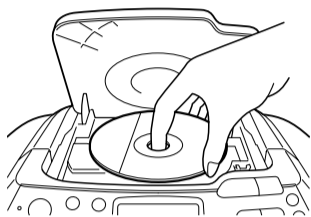
Basic Operations



* VOLUME + [10] [▶▶] [8], and [◀◀] [11] have a tactile dot.

Playing a CD

- 1 Press CD [12] (direct power-on).
- 2 Press ▲ PUSH OPEN/CLOSE [7] and place a disc with the label side up on the CD compartment. To close the CD compartment, press ▲ PUSH OPEN/CLOSE [7].



- 3 Press [▶▶] [8]. The player plays all the tracks once.



| To | Press |
|---|---|
| Pause playback | [▶▶] [8]. To resume play, press it again. |
| Stop playback | [■] [8]. |
| Go to the next track | [▶▶] [6]. |
| Go back to the previous track | [◀◀] [6]. |
| Locate a point while listening to the sound | [▶▶] (forward) or [◀◀] (backward) [6] while playing and hold it until you find the point. |
| Locate a point while observing the display | [▶▶] (forward) or [◀◀] (backward) [6] in pause and hold it until you find the point. |
| Remove the CD | ▲ PUSH OPEN/CLOSE [7] |

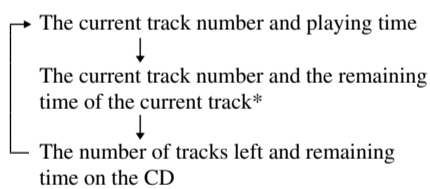
Using the display

To check the total track number and playing time

Press DISPLAY•ENTER [5] in stop mode.

To check the remaining time

Press DISPLAY•ENTER [5] 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 [4] until "1", "◀", "SHUF", "SHUF" and "▶", "PGM", or "PGM" and "▶" appear in the display. Then proceed as follows:

| To Select | Select | Then do this |
|-------------------------------|----------------|--|
| Repeat a single track | "1" | Press [◀◀] or [▶▶] [6] to select the track that you want to repeat, then press [▶▶] [8]. |
| Repeat all tracks | "◀" | Press [▶▶] [8]. |
| Shuffle play | "SHUF" | Press [▶▶] [8]. |
| Repeat tracks in random order | "SHUF" and "▶" | Press [▶▶] [8]. |
| Program play | "PGM" | Press [◀◀] or [▶▶] [6] then press DISPLAY•ENTER [5] for the tracks you want to program in the order you want up to 20 tracks. Then press [▶▶] [8]. |
| Repeat programmed tracks | "PGM" and "▶" | Press [◀◀] or [▶▶] [6] then press DISPLAY•ENTER [5] for the tracks you want to program in the order you want up to 20 tracks. Then press [▶▶] [8]. |



To cancel selected play mode

Press MODE [4] repeatedly 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 DISPLAY•ENTER [5]. Every time you press the button, the track number appears in the programmed order.

To change the current program

Press [■] [8] 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

- You can play the same program again, since the program is saved until you open the CD compartment.
- You can record your own program. After you've created the program, insert a blank tape and press [●] [11] to start recording.

Listening to the radio

- 1 Press RADIO BAND•AUTO PRESET [12] repeatedly (direct power-on).

Each time you press the button, the indication changes as follows:
"FM" → "AM"

- 2 Hold down TUNE + or - [9] 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. When an FM stereo broadcast is received, "ST" appears.

Tip

If the FM broadcast is noisy, press MODE [4] until "Mono" appears in the display and radio will play in monaural.

Changing the AM tuning interval

If you need to change the AM tuning interval, do the following:

- 1 While keeping the RADIO BAND•AUTO PRESET [12] and CD [12] pressed, disconnect the AC power cord from the wall outlet.
- 2 While keeping the RADIO BAND•AUTO PRESET [12] and CD [12] pressed, reconnect the AC power cord to the wall outlet. The tuning interval is changed and "AM 9" or "AM 10" appears in the display for 4 seconds.

After changing the tuning interval, you need to reset your preset radio stations.

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 RADIO BAND•AUTO PRESET [12] to select the band.
- 2 Hold down RADIO BAND•AUTO PRESET [12] for 2 seconds until "AUTO" flashes in the display.
- 3 Press DISPLAY•ENTER [5].
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 RADIO BAND•AUTO PRESET [12] to select the band.
- 2 Tune in a station you want.
- 3 Hold down DISPLAY•ENTER [5] for 2 seconds until the preset number flashes in the display.
- 4 Press PRESET + or - [6] until the preset number you want for the station flashes in the display.
- 5 Press DISPLAY•ENTER [5].
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.

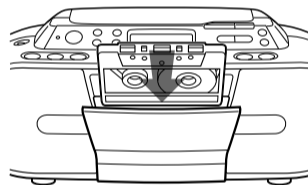
Playing preset radio stations

- 1 Press RADIO BAND•AUTO PRESET [12] to select the band.
- 2 Press PRESET + or - [6] to tune in the stored station.

Playing a tape

- 1 Press TAPE [12] (direct power-on).
- 2 Press [■▲] [11], and insert the tape into the tape compartment with the side you want to play facing you. Use TYPE I (normal) tape only. Close the compartment.

Make sure there is no slack in the tape to avoid damaging the tape or the unit.



- 3 Press [◀] [11].
The player starts playing.

| To | Press |
|-------------------------|---|
| Pause playback | [] [11]. To resume play, press it again. |
| Stop playback | [■▲] [11]. |
| Fast-forward or rewind* | [◀◀] or [▶▶] (fast forward or rewind) [11]. |
| Eject the cassette | [■▲] [11]. |

* When the tape is wound to the end, press [■▲] [11] to release [◀◀] or [▶▶] [11].

Recording on a tape

- 1 Press [■▲] [11] to open the tape compartment and insert a blank tape with the side you want to record on facing you. Use TYPE I (normal) tape only. Close the compartment.
- 2 Select the program source you want to record.
To record from the CD player, place a CD and press CD [12].
To record from the radio, tune in the station you want.
- 3 Press [●] [11] to start recording (◀ is depressed automatically).

| To | Press |
|-----------------|---|
| Pause recording | [] [11]. To resume recording, press it again. |
| Stop recording | [■▲] [11]. |

Tips

- Adjusting the volume or the audio emphasis will not affect the recording level.
- For the best results, use wall outlet as a power source for recording.
- To erase a recording, proceed as follows:
 - 1 Insert the tape whose recording you want to erase.
 - 2 Press TAPE [12].
 - 3 Press [●] [11].

Troubleshooting

General

The power is not 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 player.
→ Move the portable telephone, etc., away from the player.

CD player

The CD does not play or "no DISC" 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.

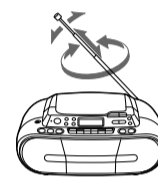
The sound drops out.

- Reduce the volume.
- Clean the CD, or replace it if the CD is badly damaged.
- Place the 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.

- Replace all the batteries with new ones if they are weak.
- Move the player away from the TV.

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.

Tape player

The tape does not move when you press an operation button.

- Close the cassette compartment securely.

The [●] button [11] does not function or the tape does not play or record.

- Make sure the safety tab on the cassette is in place.

Poor or distorted playback, recording or erasing quality.

- Clean the heads by using dry- or wet-type cleaning cassette (available separately) after every 10 hours of use, before you start an important recording, or after playing an old tape. Failure to clean the tape heads can cause degraded sound quality or an inability of the unit to record or play tapes. For details, refer to the instructions of the cleaning cassette.
- The TYPE II (high position) or TYPE IV (metal) tape is being used. Use TYPE I (normal) tape only.
- Demagnetize the heads using a commercially available tape head demagnetizer.
- Replace all the batteries with new ones if they are weak.

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 or insert the batteries again. If the problem persists, please consult your nearest Sony dealer.