

CD Radio Cassette-Corder

CFD-S05

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Operating Instructions

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

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 to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

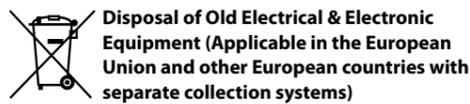
The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.

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.



Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

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.

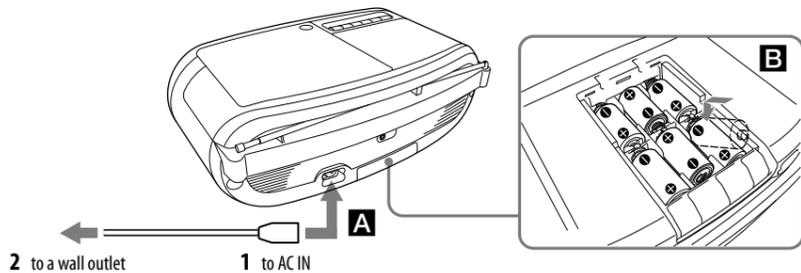
For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

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.

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

Note for customers in Europe

The unit automatically turns off after 30 minutes if no operation is performed after playback or recording for CD, TAPE or AUDIO IN.

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 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

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 Hz - 10,000 Hz

General

Speaker
Full range: 8 cm dia., 4 Ω, cone type (2)

Outputs
Headphones jack (stereo minijack):
For 16 Ω - 32 Ω impedance headphones

Input
AUDIO IN jack (stereo minijack)

Power output
1.7 W + 1.7 W (at 4 Ω, 10% harmonic distortion)

Power requirements
For CD radio cassette-corder:
Thailand model: 220 V AC, 50 Hz
Other models: 230 V AC, 50 Hz
9 V DC, 6 R14 (size C) batteries

Power consumption
AC 13 W

Battery life
For CD radio cassette-corder:

FM recording

Sony R14P: approx. 4.5 h
Sony alkaline LR14: approx. 19 h

Tape playback

Sony R14P: approx. 2.5 h
Sony alkaline LR14: approx. 13 h

CD playback

Sony R14P: approx. 1 h
Sony alkaline LR14: approx. 8 h

Dimensions
Approx. 365 mm × 134 mm × 230 mm (w/h/d)
(incl. projecting parts)

Mass
Approx. 2.7 kg (incl. batteries)

Supplied accessory
AC power cord (1)

Design and specifications are subject to change without notice.

Optional accessory
Sony MDR headphones series

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 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 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.

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.

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.

On placement

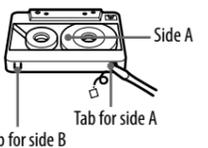
- Do not leave the unit in a location near heat sources, in a place subject to direct sunlight, excessive dust or mechanical shock or in a car subject to the direct rays of the sun.
- Do not place the unit on an inclined or unstable place.
- Do not place anything within 10 mm of the side of the cabinet. 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.
- If the unit 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.



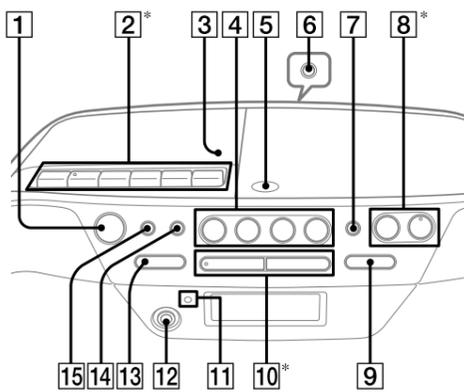
- The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

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 unit, please consult your nearest Sony dealer.

Basic Operations



* VOLUME + [8], [10] and [2] 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 [11] lights up.

To adjust the volume

Press VOLUME +, - [8].

To listen through headphones

Connect the headphones to the (headphones) jack [6] on the back of the unit.

To reinforce the bass sound

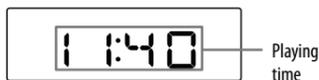
Press MEGA BASS [7].
"MEGA BASS" appears in the display.
To return to normal sound, press the button again.

Playing a CD

- Press OPERATE (or POWER) [1].
- Press CD [4].
- Press ▲ PUSH OPEN/CLOSE [5] and place a disc with the label side up on the CD compartment.
To close the CD compartment, press ▲ PUSH OPEN/CLOSE [5].



- Press [10].
The unit plays all the tracks once.



To	Press
Pause playback	[10]. To resume play, press it again.
Stop playback	[10].
Go to the next track	[9].
Go back to the previous track	[9].
Locate a point while listening to the sound	[9] (forward) or [9] (backward) during playback and hold it until you find the point.
Locate a point while observing the display	[9] (forward) or [9] (backward) in pause and hold it until you find the point then press [10].
Remove the CD	▲ PUSH OPEN/CLOSE [5].

Tips

- Playback starts from the track you last stopped playing (Resume play). During stop, the track number to be played is displayed.
- To cancel the resume play (to start play from the beginning of the first track), press [10] while the CD is stopped. When you open the CD compartment or turn off the unit, the resume play is also canceled.

Listening to the radio

- Press OPERATE (or POWER) [1].
- Press RADIO BAND [4] repeatedly.
Each time you press the button, the radio band toggles between AM and FM.
- Hold down TUNE + or - [13] 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 TUNE + or - [13] repeatedly to change the frequency step by step.
When an FM stereo broadcast is received, "St" appears.

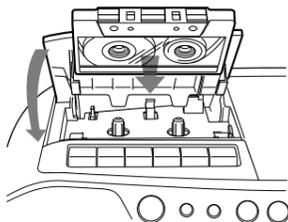
Tip

If an FM broadcast is noisy, changing the current status to monaural usually reduces the noise.
1 Press MODE [15].
"St" or "Mo" appears.
2 While "St" is displayed, press MODE [15] to display "Mo."

Playing a tape

- Press OPERATE (or POWER) [1].
- Press TAPE [4].
- Press [2], and insert the tape into the tape compartment with the side you want to play facing upward. Use TYPE I (normal) tape only. To close the tape compartment, press CLOSE [3].

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



- Press [2].
The unit starts playing.

To	Press
Pause playback	[2]. To resume play, press it again.
Stop playback	[2].
Fast-forward or rewind*	[2] or [2] (fast forward or rewind)
Eject the cassette	[2].

* When the tape is wound to the end, press [2] to release [2] or [2].

Recording on a tape

- Press OPERATE (or POWER) [1].
- Press [2] to open the tape compartment and insert a blank tape with the side you want to record on facing upward. Use TYPE I (normal) tape only. To close the tape compartment, press CLOSE [3].
- Select the program source you want to record.
To record from the CD player, place a CD and press CD [4].
To record from the radio, tune in the station you want.
- Press [2] to start recording ([2] is depressed automatically).

To	Press
Pause recording	[2]. To resume recording, press it again.
Stop recording	[2].

Tips

- Adjusting the volume or the audio emphasis will not affect the recording level.
- If the AM program makes a whistling sound after you have pressed [2] in step 4, press MODE [15] on the unit to select the position of ISS (Interference Suppress Switch) that most decreases the noise.
- For best results, use AC power as the power source for recording.
- To erase a recording, proceed as follows:
 - Press OPERATE (or POWER) [1].
 - Insert the tape whose recording you want to erase.
 - Press TAPE [4].
 - Press [2].

Other Operations

Using the display

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

Press [10] once if the CD is stopped and twice if the CD is playing. After the total track number is displayed, the total playing time is displayed. To check the total track number again, press DISPLAY/ENTER [14].

To check the current track number of the CD

Press DISPLAY/ENTER [14] while playing a CD.

To check the current preset station number of the radio

Press DISPLAY/ENTER [14] when you are listening to a preset station.

Selecting a CD play mode

Press MODE [15] (press [10], then press MODE [15] during playback) until "1", "SHUF", "SHUF" and "PGM", or "PGM" and "PGM" appear in the display. Then proceed as follows:

To Select	Select	Then do this
Repeat a single track	"1"	Press [9] to select the track that you want to repeat, then press [10].
Repeat all tracks	"SHUF"	Press [10].
Shuffle play	"SHUF"	Press [10].
Repeat tracks in random order	"SHUF" and "SHUF"	Press [10].
Program play	"PGM"	Press [9], then press DISPLAY/ENTER [14] for the tracks you want to program in the order you want up to 20 tracks. Then press [10].

To Select	Select	Then do this
Repeat programmed tracks	"PGM" and "PGM"	Press [9], then press DISPLAY/ENTER [14] for the tracks you want to program in the order you want up to 20 tracks. Then press [10].

To cancel the selected play mode

Press MODE [15] (press [10], then press MODE [15] during playback) 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 playing, press DISPLAY/ENTER [14] (press [10], then press DISPLAY/ENTER [14] during playback).
Every time you press the button, the track number appears in the programmed order.

To change the current program

Press [10] 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 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.
- You can record your own program. After you have created the program, insert a blank tape and press [2] to start recording.
- The resume function does not work during shuffle play or 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.

- Press OPERATE (or POWER) [1].
- Press RADIO BAND [4] to select the band.
- Hold down AUTO PRESET [4] for 2 seconds until "Auto" flashes in the display.
- Press DISPLAY/ENTER [14].
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.

- Press OPERATE (or POWER) [1].
- Press RADIO BAND [4] to select the band.
- Tune in a station you want using TUNE + or - [13].
- Hold down MEMORY [14] for 2 seconds until the preset number flashes in the display.
- Press PRESET + or - [9] until the preset number you want for the station flashes in the display.
- Press DISPLAY/ENTER [14].
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

- Press OPERATE (or POWER) [1].
- Press RADIO BAND [4] to select the band.
- Press PRESET + or - [9] 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.

- Connect the AUDIO IN jack [12] to the line output jack of the portable digital music player or other components using an audio connecting cable (not supplied).
- Press OPERATE (or POWER) [1] to turn the unit on.
- Turn the connected component on.
- Press AUDIO IN [4] 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.

Tip

You can record the sound of the connected component. Insert a blank tape and press [2].

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

CD player

The CD does not play or "Cd -" 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.

Radio

Reception is poor.

- Reorient the antenna to improve FM reception.



- Reorient the unit 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 unit 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 unit away from the TV.

Tape player

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

- Close the cassette compartment securely.

The [2] button 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.