

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 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 to be used for an extended period of time.
- For battery operation, use six size D (R20) batteries.
- 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, 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.
- 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.

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

Troubleshooting

General

The power does not come on.

- Make sure the batteries are inserted correctly.
- Replace all the batteries with new ones if they are weak.

There is no audio.

- 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 “– –” lights in the display 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 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 CD-R/CD-RW is blank.
- 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.

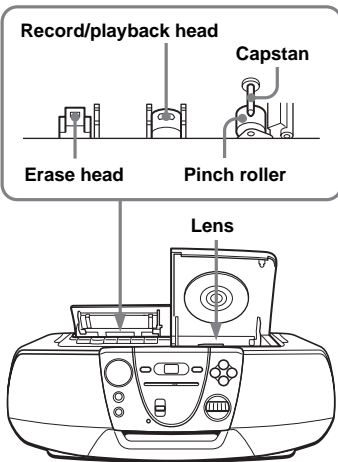
- Close the cassette compartment securely.

The REC ● 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, pinch roller and capstan with a cleaning swab slightly moistened with cleaning fluid or alcohol.
- Replace all the batteries with new ones if they are weak.
- 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.



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

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: 87.6 - 107.0 MHz (Hong Kong model)

87.6 - 108.0 MHz (Other models)

AM: 531 - 1 602 kHz (Hong Kong model)

530 - 1 710 kHz (Other models)

Antenna

FM: Telescopic antenna

AM: Built-in ferrite bar antenna

Cassette-corder section

Recording system

4-track 2 channel stereo

Fast winding time

Approx. 120 s (sec.) with Sony cassette C-60

Frequency response

TYPE I (normal): 80 - 10 000 Hz

General

Speaker

Full range: 10 cm dia., 3.2 Ω, cone type (2)

Outputs

Headphones jack (stereo minijack)

For 16 - 68 Ω impedance headphones

Power output

1.8 W + 1.8 W (at 3.2 Ω, 10 % harmonic distortion in AC operation)

Power requirements

For CD radio cassette-corder:

Hong Kong model: 230V AC, 50 Hz

Other models: 120V AC, 60 Hz

9 V DC, 6 size D (R20) batteries

Power consumption

AC 20 W

Battery life

For CD radio cassette-corder:

FM recording
Sony R20P: approx. 13.5 h
Sony alkaline LR20: approx. 20 h
Tape playback
Sony R20P: approx. 7.5 h
Sony alkaline LR20: approx. 15 h
CD playback
Sony R20P: approx. 2.5 h
Sony alkaline LR20: approx. 7 h

Dimensions

Approx. 420 × 165 × 256 mm (w/h/d)

(16 3/4 × 6 1/2 × 10 1/4 inches) (incl. projecting parts)

Mass

Approx. 4.1 kg (9 lb. 1 oz) (incl. batteries)

Supplied accessory

AC power cord (1)

Design and specifications are subject to change without notice.

Optional accessories

Sony MDR headphone series

SONY

CD Radio Cassette-Corder

Operating Instructions

CFD-V8

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English

WARNING

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

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

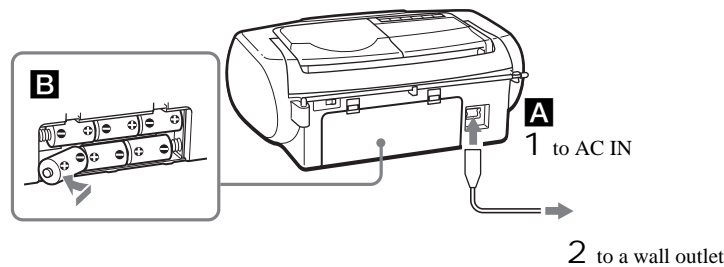
WARNING

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.

The FUNCTION selector is located at the front. When you turn on the player, the OPR/BATT indicator lights up.

Power Sources



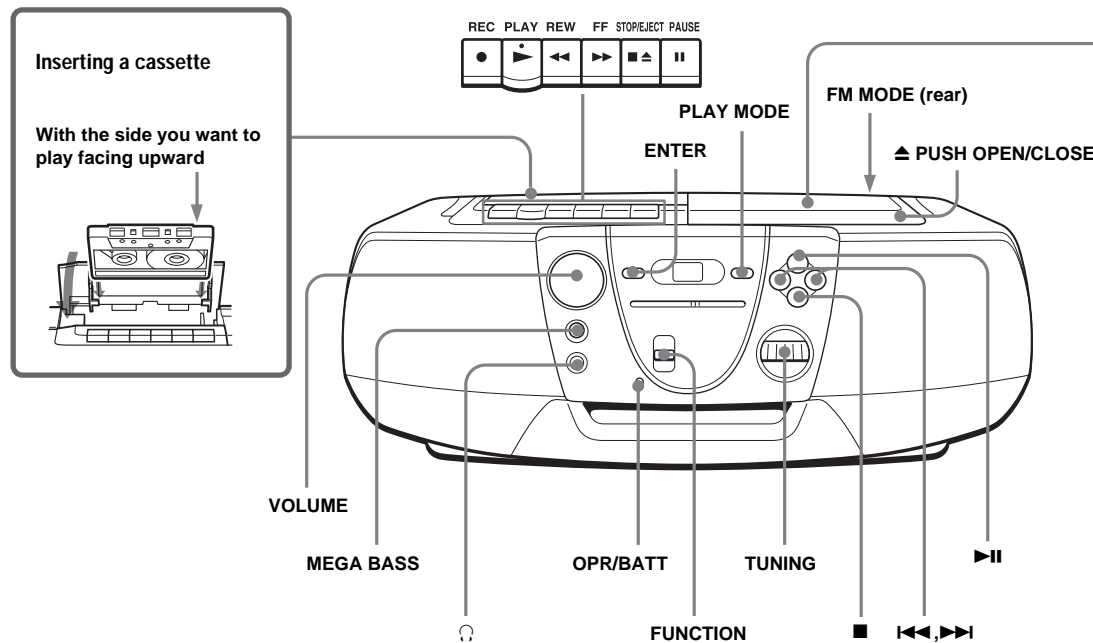
Connect the AC power cord **A** or insert six size D (R20) batteries (not supplied) into the battery compartment **B**.

Notes

- Replace the batteries when the OPR/BATT indicator 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.

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

Location of controls



To turn off the power

Set FUNCTION to TAPE•CD/RADIO OFF.

To adjust the volume

Turn VOLUME.

To listen through headphones

Connect the headphones to the (headphones) jack.

To reinforce the bass sound

Press MEGA BASS to ON. To return to normal sound, press the button to OFF.

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.

Loading a CD



Display



Playing a CD

- 1 Load a CD in the CD compartment.
 - 2 Press to close the compartment.
 - 3 Set FUNCTION to CD (see fig.).
 - 4 Press (see fig.).
- The player plays all the tracks once.

To	Press
stop playback	
fast-forward or rewind the tape	or
pause playback	
go to the next track	
go back to the previous track	
remove the CD	
locate a point while listening to the sound	(forward) or (backward) while playing until you find the point

Selecting the play mode

- 1 Set FUNCTION to CD.
- 2 Press PLAY MODE until "REP 1", "REP", "SHUF", "SHUF REP", "PGM" or "PGM REP" appears in the display. Then proceed as follows:

To	Select	Then do this
repeat a single track	"REP 1"	Select the track you want to repeat by pressing or and press .
repeat all the track	"REP"	Press .
shuffle play	"SHUF"	Press .
repeat tracks in random order	"SHUF REP"	Press .
program play	"PGM"	Press or then press ENTER for the tracks you want to program in the order you want up to 20 tracks (see fig.). Then press .
repeat program tracks	"PGM REP"	Press or then press ENTER for the tracks you want to program in the order you want up to 20 tracks. Then Press .

To cancel selected play mode

Press PLAY MODE until the selected mode disappears from the display.

To check the order of tracks in the display

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

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

To change the current program

Press 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 and then to start recording.

Listening to the radio

- 1 Set FUNCTION to FM or AM.
- 2 Turn TUNING to tune in a radio station.

To receive FM stereo program

Set FM MODE at the rear to STEREO. If the FM broadcast is noisy, set it to MONO and the radio will play in monaural.

Playing a tape

- 1 Press to open the tape compartment and insert a recorded tape. Close the compartment. Use TYPE I (normal) tape only.
- 2 Set FUNCTION to TAPE•CD/RADIO OFF.
- 3 Press .

To	Press
stop playback	
fast-forward or rewind the tape	or
pause playback	
eject the cassette	

Press the button again to resume play after pause.

Recording

- 1 Press to open the tape compartment and insert a blank tape. Use TYPE I (normal) tape only.

- 2 Select the program source you want to record.

To record from the CD player

Set FUNCTION to CD and insert a CD.

To record from the radio

Set FUNCTION to FM or AM and tune in the station you want.

- 3 To record from the CD player

Press and then to start recording. (is depressed automatically.)

To record from the radio

Press to start recording. (is depressed automatically.)

To	Press
stop recording	
pause recording	

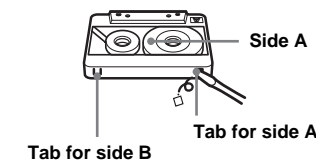
Press the button again to resume recording.

Tips

- Adjusting the volume or the audio emphasis will not affect the recording level.
- For the best results, use the AC power as a power source for recording.
- To erase a recording, proceed as follows:
 - 1 Insert a tape with the recording you want to erase.
 - 2 Set FUNCTION to TAPE•CD/RADIO OFF.
 - 3 Press .

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.