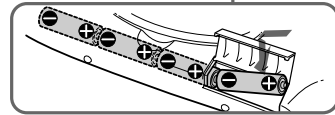
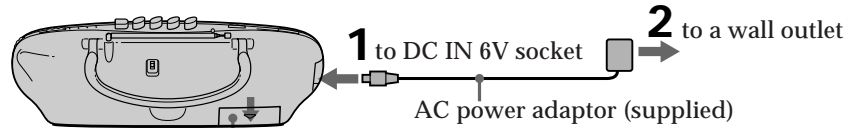


## Choosing Power Sources

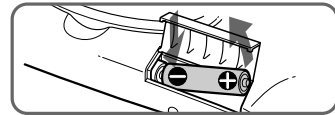
Rear Panel

Connecting the AC power adaptor.



### Using the player on batteries.

Insert four size AA (R6) batteries (not supplied) into the battery compartment.

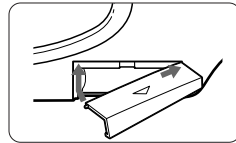


### To release battery

Press the ⊖ side of the battery and then take out the battery.

If the battery compartment lid comes off

Insert the right corner of the lid and then insert the left corner aligning it to the groove of the battery compartment.



### Notes

- To use the player on batteries, disconnect the AC power adaptor from the player. The player does not operate on batteries as long as the AC power adaptor is connected.
- Replace the batteries when the OPR/BATT indicator dims or when the player stops operating. Replace all the batteries with new ones.

## Specifications

- Frequency range** FM: 87.6-108 MHz/AM: 530-1,710 kHz
- Antennas** FM: Telescope / AM: Built-in ferrite bar
- Recording system** 4-track, 2-channel stereo
- Frequency response** 100-10,000 Hz
- Speakers** Full-range: 5.7 cm (2 1/4 inches) dia, cone type
- Output** Headphones jack (stereo minijack), for 8-32 ohm impedance headphones
- Power output** 1 W+1 W (at 10% harmonic distortion in DC operation)
- Battery life**

#### FM recording

Sony SUM-3 (NS) : Approx. 2 hours

Sony AM3 (N) alkaline : Approx. 5 hours

#### playback

Sony SUM-3 (NS) : Approx. 1.5 hours

Sony AM3 (N) alkaline : Approx. 4 hours

- Power requirements** 120V AC, 60 Hz/6 V DC, four size AA (R6) batteries
- Power consumption** DC 4 W
- Dimensions** Approx. 285 x 101 x 58 mm (w/h/d) (11 1/4 x 4 x 2 3/8 inches) incl. projecting parts and controls
- Mass** Approx. 720 g (1 lb 94 oz) (incl. batteries)
- Supplied accessory** AC power adaptor (1)

Design and specifications are subject to change without notice.

## Troubleshooting

There is no audio.

- Connect the AC power adaptor securely.
- Insert the batteries properly.
- Replace all the batteries if they are weak.
- Unplug the headphones.
- Adjust the volume.
- Set FUNCTION to the position you want to operate.

Cassette cannot be inserted.

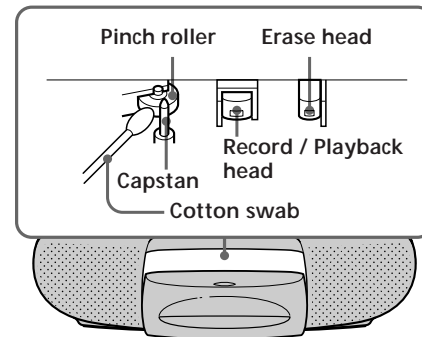
- Insert the cassette properly.
- Press ■STOP to release ◀PLAY.

The ●REC button does not function.

- No cassette is in the tape compartment.
- Make sure the safety tab on the cassette is in place.

Poor playback, recording or erasing quality.

- Dirty heads. Clean the unit (as shown) with a cotton swab slightly moistened with cleaning fluid or alcohol.
- Demagnetize the heads and all metal parts in the tape path with a commercially available tape head demagnetizer.



## Precautions

On safety/power sources

- 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.
- For AC operation, use the supplied AC power adaptor; do not use any other type.
- Unplug the player from the wall outlet when it is not to be used for an extended period of time.
- For battery operation, use four size AA (R6) 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 rear.

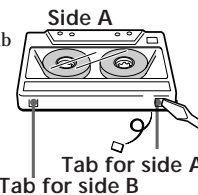


On placement/operation

- 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 anything within 10 mm of the side of the cabinet. The ventilation holes must be unobstructed for the player to operate properly and to 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.
- 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.



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

# Radio Cassette-Corder

## Operating Instructions

### Owner's Record

The model number is located at the rear and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

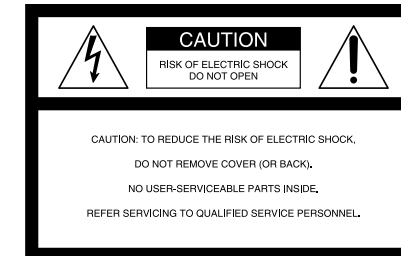
Model No. CFS-E2 Serial No. \_\_\_\_\_

## CFS-E2

Sony Corporation ©1997 Printed in China

## WARNING

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



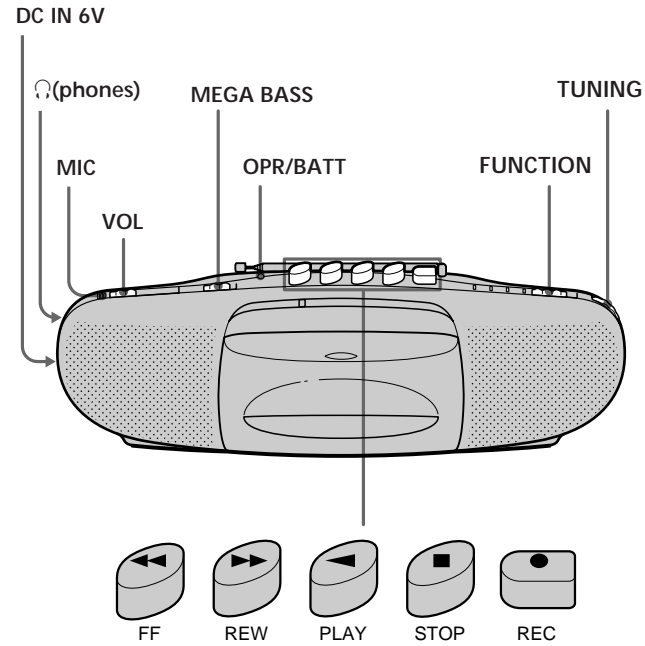
This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

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

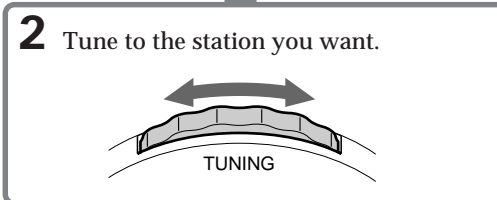
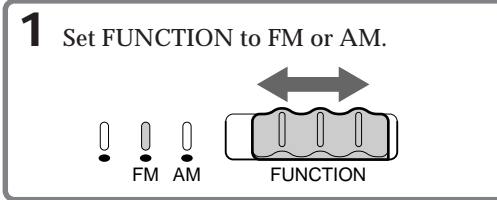
## Location of controls



### CAUTION

When opening and closing the cassette compartment lid, be sure to hold the player. Otherwise the player may fall over.

## Listening to the radio

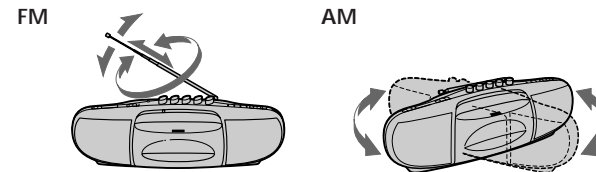


### To turn off the radio

Set FUNCTION to TAPE/RADIO OFF.

### To improve broadcast reception

Reorient the antenna for FM. Reorient the player itself for AM.

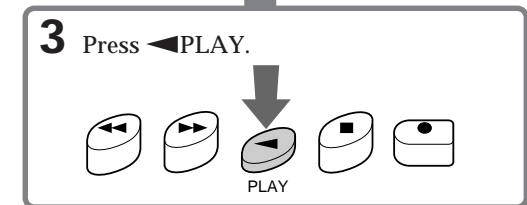
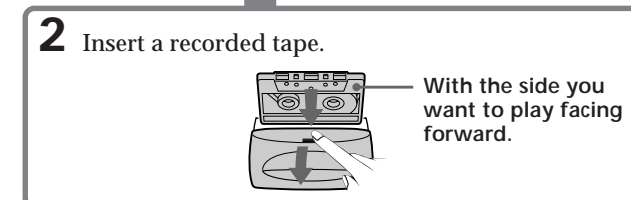
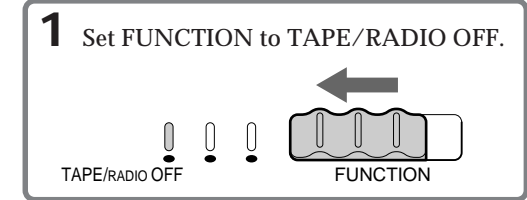


### Tips

- To listen through the headphones, connect the headphones to (phones).
- For best results, move the player away from the TV.

Use TYPE I (normal) tape only.

## Playing a tape



To	Press
Stop playback	■STOP When the tape ends, the playback stops.
Fast-forward or rewind the tape	◀◀FF or ▶▶REW*

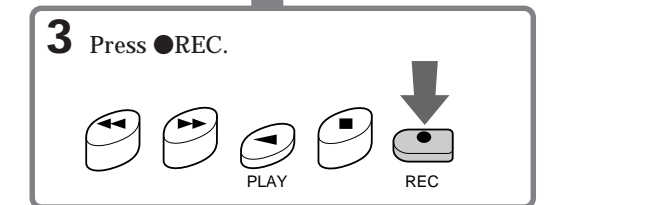
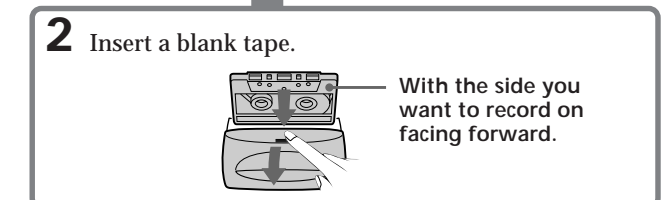
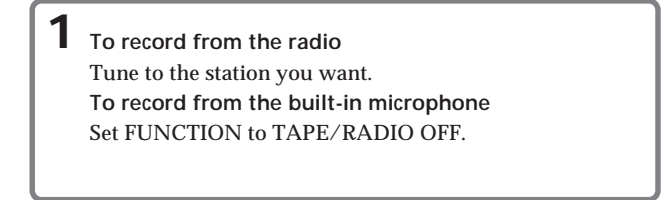
\* When the tape is wound to the end, press ■STOP to release ◀◀FF or ▶▶REW.

### Emphasizing Bass

Set MEGA BASS to ON.

Use TYPE I (normal) tape only.

## Recording



To	Press
Stop recording	■STOP When the tape ends, the recording stops.

### Tips

- For best results, use the AC power source.
- Adjusting the volume will not affect the recording level.
- If the AM programme makes a whistling sound, set ISS (Interference Suppress Switch) (at the rear) to the position that most decreases the noise. Normally set the switch to "2".

### Note

While recording from the built-in microphone, you cannot monitor the sound through the headphones.

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