

## Adjusting Sound

GRAPHIC EQUALIZER SPACE SOUND



Press **SPACE SOUND** down, and you can enjoy a rich and spacious effect added to the original sound. This button is useful when the stereo image is diminished. The effect differs depending on the selection. In monaural this effect does not operate.

## Troubleshooting Guide

**The unit does not operate.**

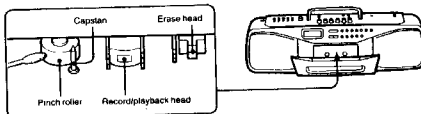
- The AC power cord is not connected (on AC operation).
- No batteries in the battery compartment.
- Incorrect polarity of batteries.
- Weak batteries.

**Cassette cannot be inserted.**

- Cassette is being inserted improperly.
- The **PLAY** button is depressed.

**The REC button cannot be depressed.**

- The cassette inserted has the labels removed.



## Specifications

**AUDIO POWER SPECIFICATIONS**  
**POWER OUTPUT AND TOTAL HARMONIC DISTORTION**  
 With 3.2 ohm loads, both channels driven, from 150—10,000 Hz; rated 1.5 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

### Other specifications

**Frequency range** FM: 87.5—106 MHz  
 AM: 530—1,710 kHz  
**Recording system** 4-track 2-channel stereo  
**Frequency response** 60—10,000 Hz  
**Speakers** Full range: 10 cm (4 inches) dia. x 2  
 (with 10% harmonic distortion in DC operation)  
**Headphones (Stereo minijack)** 16-68 Ω impedance  
**Power requirements** 120 V AC, 60 Hz, 9 V DC, six size C (R14) batteries  
**Power consumption** 14 W

To equalize the reproduced sound  
 Slide each 5-BAND GRAPHIC EQUALIZER toward +10 or -10.  
 When the equalizer is not used, set the controls to 0 (center position).

**Frequency coverage of each equalizer control**  
 100 Hz: Boosts or cuts the bass  
 400 Hz: Adjusts the middle frequency range such as a human voice and the middle frequencies of instrumental music

1 kHz: Provides more presence of vocals  
 4 kHz: Adjusts the brightness of sound.  
 10 kHz: Effects general treble. To reduce high frequency noise such as tape hiss, slide toward -10.

**No sound from the speakers.**

- The headphones are plugged in
- The **VOLUME** control is turned to its minimum (MIN) position.
- Check the **FUNCTION** selector setting

**Sound drop-outs, loss of high frequencies, or excessive noise.**

- Dirty heads. Clean the illustrated portions with a cleaning tip slightly moistened with cleaning fluid or alcohol.

### Battery life

Battery	FM recording
Sony SUM-2 (NS)	Approx. 4 hours
Sony AM-2 (N) alkaline	Approx. 8 hours

### Dimensions

For tuner memory: Approx. 160 × 145 × 160 mm (width) (H<sub>1</sub>) × 5 1/4 × 6 1/4 inches (incl. projecting parts and controls)

Approx. 27 kg (59 lb 15 oz), incl. batteries  
 Supplied accessory: AC power cord (1)  
 Optional accessories: Sony "MDR" headphones series  
 Cassette eraser BE-A200, RE-91

(Design and specifications subject to change without notice)

**SONY**

Radio Cassette-Corder

**CFS-207**

## Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

## Owner's Record

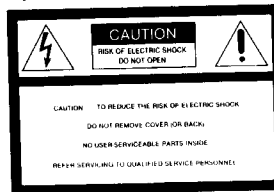
The model number is located at the bottom and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CFS-207

Serial No.

## WARNING

To prevent fire or shock hazard, do not expose the unit 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.

## Information

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna.  
 Relocate the equipment with respect to the receiver.  
 Move the equipment away from the receiver.  
 Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington, DC 20402. Stock No. 004-000-00345-4

### Notes on Power Source

- Operate the unit only on 120 V AC or 9 V DC. For AC operation, use the supplied AC power cord; do not use any other type.
- For battery operation, use six size C (R14) batteries.
- Remove batteries when not in use to avoid damage from battery leakage.

Whether you are going to operate the unit on AC power or on batteries, make sure to insert two size AA (R6) batteries for tuner memory.

- Should anything fall into the unit, immediately unplug the unit (or remove batteries) and have it checked by qualified personnel before operating it again.
- Do not lift the handle when the telescopic antenna is extended.
- When the unit has not been used for a long time, set it in the playback mode for several minutes before inserting a cassette.
- Unplug the unit from the wall outlet when it is not to be used for an extended period of time.

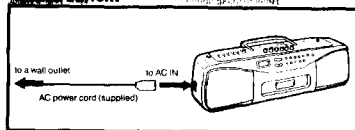
### Note on Cassette

- Use of cassettes longer than 90 minutes is not recommended except for long continuous recording or playback.
- If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

- ### Handling the Unit
- Avoid exposure to temperature extremes, direct sunlight, dust or mechanical shock.

## Power Sources

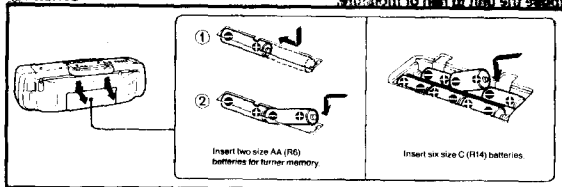
### Current



### Note

The batteries for the tuner (memory function) should be inserted even when the unit is operated on AC power source.

### Batteries



Insert two size AA (R6) batteries for tuner memory

Insert six size C (R14) batteries

### Notes

- The unit cannot be operated on batteries when the AC power cord is connected to the unit.
- For critical recordings, operating the unit on AC power is recommended.

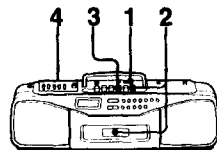
### Battery Replacement

#### Batteries for tuner memory

- In normal operation, battery life is up to approximately one year. Replace the batteries with new ones before the batteries become weak. When the batteries become weak, a malfunction will occur in the tuner memory section.
- If the tuner memory fails to function after battery replacement, set the stations again.

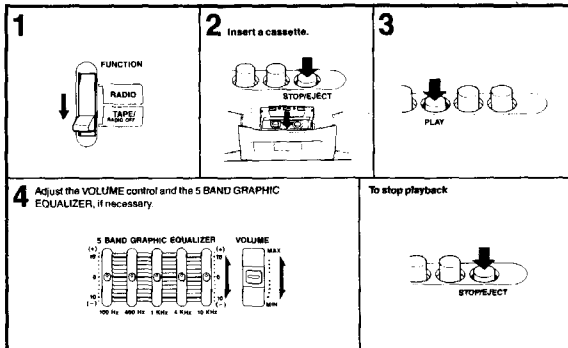
#### Batteries for radio cassette-corder operation

- When the batteries become weak, the OPR/BATT (operation/battery) indicator will glow faintly. In this case, replace all the batteries with new ones.



### Tape operating buttons

To wind tape rapidly	FF
To rewind tape	REW
To stop playback/recording	STOP/EJECT
To pause playback/recording	PAUSE
To release pause	PAUSE



**For private listening**  
Connect stereo headphones to jack.

When the unit is in use  
The OPR/BATT (operation/battery) indicator lights.  
The intensity of glow shows battery level.

To  
At  
Hi  
MI

To  
Fs  
ms  
SA

**1** Select the desired band, FM or AM.

FUNCTION  
RADIO  
TAPE/TAPE OFF

Tune in the desired station.

TUNING +

102.0

**4** Adjust the VOLUME control and the 5 BAND GRAPHIC EQUALIZER, if necessary.

5 BAND GRAPHIC EQUALIZER

VOLUME

To turn off the radio

FUNCTION  
RADIO  
TAPE/TAPE OFF

received FM stereo signal weak reception becomes monaural.

To eliminate noise when broadcast source is nearby  
Set SENS (sensitivity) to LOCAL (Generally, set it to DX.)

When a station is received  
The TUNING indicator lights up.

Note  
When the received signal is weak, the TUNING indicator lights up faintly or does not light at all.

memorize a station  
To memorize FM 89.2 MHz on the preset button 2

MEMORY

**1**

FUNCTION  
RADIO  
TAPE/TAPE OFF

**2** Select the band, FM.

FUNCTION  
RADIO  
TAPE/TAPE OFF

Tune in 89.2 MHz

TUNING +

89.2

**4** While holding down MEMORY, press "2".

MEMORY

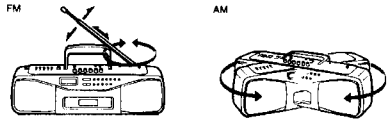
"2" appears

If a preset number is more than 10  
Ex.: To preset on number 10  
Press "+10", then "0".  
Ex.: To preset on number 20  
Press "+10" twice, then "0".

ve in a preset station  
memorizing a station as in the example above, press preset tuning button 2. Memorized station FM 89.2 will be tuned in.

ite the memorized stations  
ve the two size AA (R6) batteries for tuner memory for than 30 minutes or memorize a new station on the preset button.

### Antenna adjustment



3 MIC 1 2

BAND TUNING

Preset tuning

**1** From radio Select the desired band. Tune in the desired station.

FUNCTION  
RADIO  
TAPE/TAPE OFF

FM/AM BAND

TUNING +

From the built-in microphone (MIC)

FUNCTION  
RADIO  
TAPE/TAPE OFF

**2** Insert a blank cassette.

STOP/EJECT

PLAY (REC)

**3**

PLAY (REC)

PLAY is pressed automatically and recording starts.

To stop recording

STOP/EJECT

When the tape reaches the end, REC and PLAY are released automatically.

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

To prevent accidental erasure  
Break off the tab corresponding to the side which has been recorded.

No volume adjustment is necessary  
Recording level is automatically set. Volume adjustment will not affect recording level.

Recording on that side will be protected.

