

Radio Cassette-Corder

CFS-1045

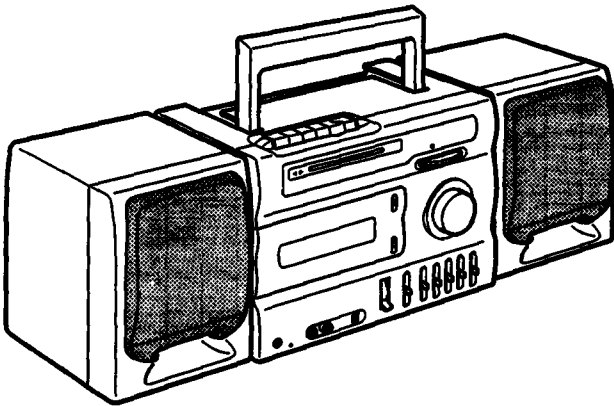
Operating Instructions

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

Owner's Record

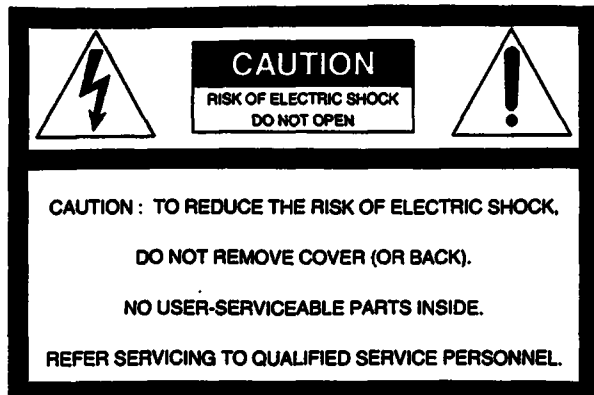
The model number is located at the rear, and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CFS-1045 Serial No. _____



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.

Precautions

Notes on power sources

- For AC operation, use the supplied AC power cord; do not use any other type.
- For battery operation, use six size D (R20) batteries.
- When the batteries are not to be used for a long time, remove them to avoid damage that can be caused by battery leakage or corrosion.
- Unplug the player from the wall outlet when it is not to be used for an extended time.
- The nameplate indicating operating voltage, power consumption, etc. is located at the rear.

Handling the player

- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- 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.
- Do not lift the handle when the telescopic antenna is extended.
- 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.

Note on cassette

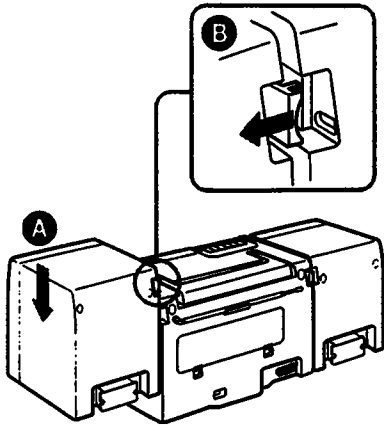
The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

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

For customers in Canada

To prevent electric shock, match wide blade of plug to wide slot. fully insert.

Connecting the Speakers



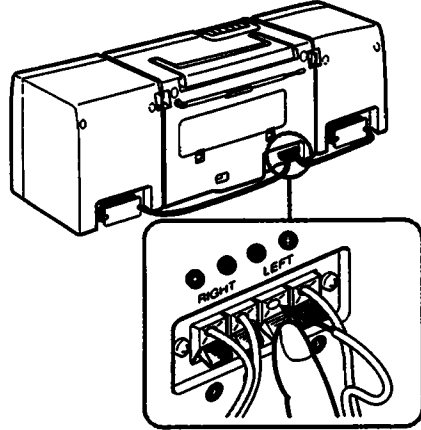
To attach speakers

Align the grooves and slide the speaker box down until it snaps in place **A**.

To detach speakers

See illustration **B**.

While pressing the tab to unlock the speaker, slide the speaker box all the way up and away from the player.



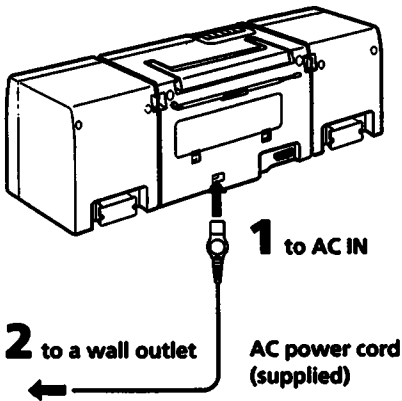
To connect the speaker

- Turn off the power before connecting or disconnecting the speaker wires to avoid the speaker being damaged by a sudden burst of sound.
- Connect the right speaker wires to RIGHT terminals, and the left speaker wires to LEFT terminals.
- Connect black wires to - terminals and red wires to + terminals.

Power Sources

House current

Connect the supplied AC power cord to the AC IN jack.

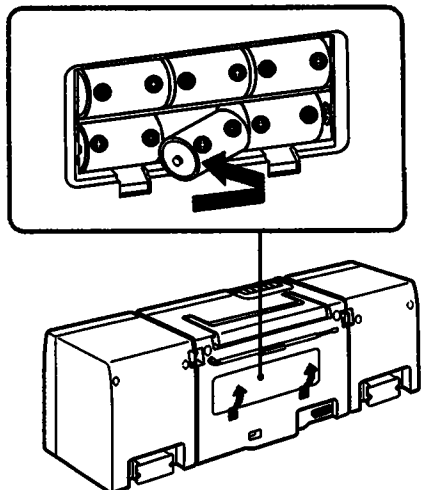


Notes

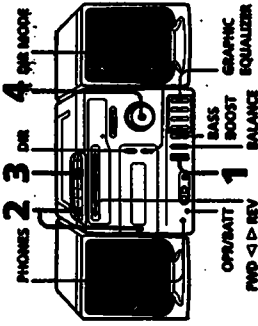
- The player cannot be operated on the batteries when the AC power cord is connected to the player.
- When OPR/BATT (operation/battery) indicator dims, replace all batteries.
- For critical recording, operating the player on AC power is recommended.

Batteries

Insert six size D (R20) batteries.



Playing a Tape Use only TYPE I (normal) tapes

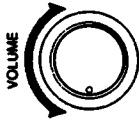
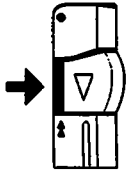
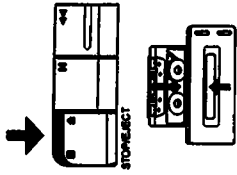
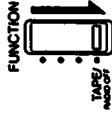


1 Set to TAPERADIO OFF.

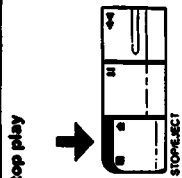
2 Insert a cassette.

3 Press \triangleleft PLAY.

4 Adjust VOLUME.



Adjust GRAPHIC EQUALIZER, BASS BOOST, and BALANCE, if necessary (see below).



To stop play

When the tape reaches its end, \triangleleft PLAY is released automatically.

When you want to fast forward*	Press $\triangleleft\triangleleft$ FF
rewind*	$\triangleright\triangleright$ REW
pause playback/recording	PAUSE
release pause	PAUSE
remove a cassette	STOP/REJECT

* For side facing forward

For private listening

Connect stereo headphones to PHONES jack.

When the player is in use

The OPR/BATT (operation/battery) indicator lights. Intensity of glow shows battery level.

To find a desired position

Keep pressing $\triangleleft\triangleleft$ or $\triangleright\triangleright$ during play. At the desired point found by listening to the high speed sound, release the pressed button to restart playing.

Adjusting sound

To equalize the reproduced sound

Set each GRAPHIC EQUALIZER control toward +10 or -10. When the equalizer is not used, set the controls to 0 (the center position).

Frequency coverage of each equalizer control

400 Hz	Set the control toward +10 to increase middle range sound	Set the control toward -10 to decrease middle range sound
1 kHz	to provide more presence of vocals	to provide less presence of vocals
4 kHz	to increase the brightness of the sound	to decrease the brightness of the sound
10 kHz	to increase general treble sound	to decrease general treble sound (or to reduce tape hiss)

To emphasize the bass sound

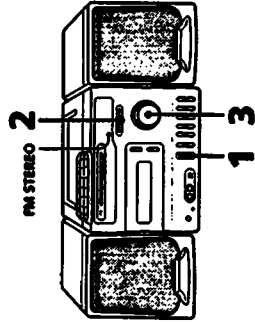
Set the BASS BOOST control as follows:

Set the control toward MAX	to increase deep bass sound
Set the control toward MIN	to decrease deep bass sound

To adjust the balance

Set the BALANCE control to the desired position. Use this control to adjust stereo imaging, especially when speakers are not symmetrically placed.

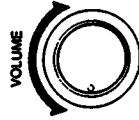
Listening to the Radio



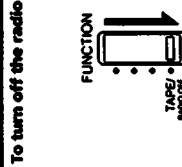
1 Select the desired band.

2 Tune in the desired station.

3 Adjust VOLUME.

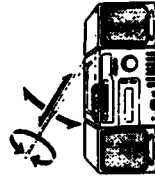


Adjust GRAPHIC EQUALIZER, BASS BOOST, and BALANCE, if necessary.

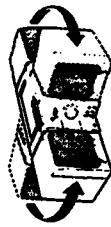


To turn off the radio

Antenna adjustment
FM



AM



When an FM stereo program is tuned in The FM STEREO indicator lights up.

If the received FM stereo is too weak The reception becomes monaural, and the FM STEREO indicator will go off.

Listening to Other Sound Sources

1 Connect the component.

2 Set to **CD/LINE IN**.

3 Play the sound source and adjust **VOLUME**.

Adjust **GRAPHIC EQUALIZER, BASS BOOST, and BALANCE**, if necessary.

- Notes on connection**
- Set the **FUNCTION** selector to **TAPE/RADIO OFF** before making connection.
 - The connection cords should be fully inserted into the jacks.
 - Note that the red plug of the connecting cord is for the R (right) channel and the white plug for the L (left) channel.

Recording Use only TYPE I (normal) tapes

1 From radio

From built-in microphone (MIC)

From other stereo equipment

2 Insert a blank cassette.

3 Select the recording mode.

When you want to record both sides of a cassette once*	Set DIR MODE to
record one side of a cassette	← =

* Recording should be started from the forward (front) side. Be sure to set the **FWD** ← **REV** indicator to **stop recording** when the recording of the reverse side is finished, even if the **DIR MODE** selector is set to ←.

4 Press **REC**.

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

To stop recording

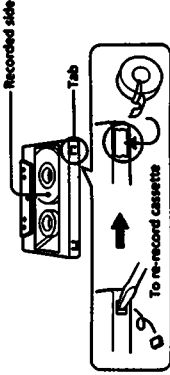
When the tape reaches its end, **REC** and **PLAY** are released automatically.

After recording
Set **FUNCTION** to **TAPE/RADIO OFF**.

The recording level is automatically adjusted
Settings of **VOLUME, GRAPHIC EQUALIZER, and BASS BOOST** controls will not affect recording level.

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

To prevent accidental erasure
Break off the tab corresponding to the side which has been recorded. Recording on that side will be protected.



Troubleshooting Guide

The player does not operate.

- The AC power cord is not connected.
- No batteries in battery compartment.
- Batteries installed incorrectly.
- Weak battery. Replace all the batteries.

Cassette cannot be inserted.

- Cassette is being inserted improperly.
- ◀ PLAY is depressed.

● REC cannot be depressed.

- No cassette
- The cassette inserted has tab removed. If so, cover with plastic tape.

Tape does not move.

- || PAUSE is depressed.

No sound from speakers

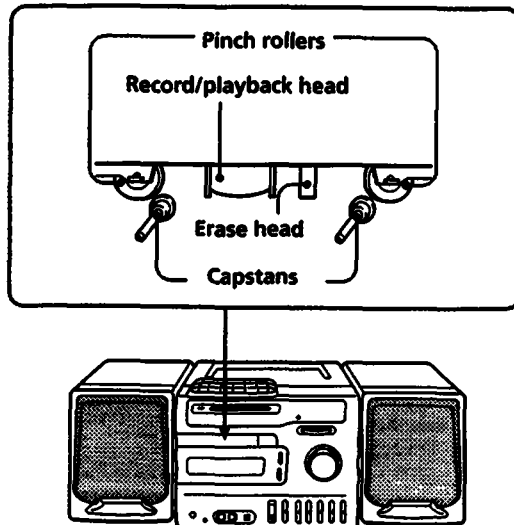
- Headphones are plugged in.
- The VOLUME control is turned down completely.
- The FUNCTION selector setting is incorrect.
- The speaker wires are connected improperly.

Poor playback, recording or erase quality

- Dirty heads. Clean the illustrated portions with cotton swab lightly moistened with cleaning fluid or denatured alcohol.

Loss of high frequencies and hiss

- Demagnetize the heads and all metal parts in the tape path with a commercially available head demagnetizer.



Specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven, from 100 to 10,000 Hz; rated 1.5 W per channel minimum, RMS power, with no more than 10 % total harmonic distortion in AC operation.

Output

Frequency range	FM: 87.6–108 MHz AM: 530–1,710 kHz
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar
Recording system	4-track, 2-channel stereo
Frequency response	100–10,000 Hz
Speakers	Two way 10 cm (4 inches) dia. full range × 2 2 cm (13/16 inches) dia. tweeter × 2
Inputs	CD/LINE IN jacks (stereo pinjacks) (2) input impedance 47 kilohms sensitivity 0.3 V
Outputs	PHONES jack (stereo minijack) for 16–68 ohm impedance headphones Speaker terminals for supplied 3.2 ohms impedance speaker
Power output (except for USA)	2.3 W + 2.3 W (at 3.2 ohms, 10 % harmonic distortion in DC operation)

Power requirements	120 V AC, 60 Hz 9 V DC, six size D (R 20) batteries
Power consumption	12 W in AC operation (USA model) 18 W in AC operation (Taiwan model)

Battery life

Batteries	FM recording	Tape playback
Sony SUM-1 (NS)	Approx. 12 hours	Approx. 6 hours
Sony AM1 alkaline	Approx. 27 hours	Approx. 16 hours

Dimensions	Approx. 579 × 220 × 180.5 mm (w/h/d) (22 7/8 × 8 3/4 × 7 1/8 inches) incl. projecting parts and controls, not incl. handle
Mass	Approx. 4.8 kg (10 lb 9 oz) incl. batteries

Accessory supplied	AC power cord (1)
Optional accessories	Sony "MDR" headphone series

Design and specifications subject to change without notice.