

Radio Cassette-Corder

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# CFS-DW34

## Operating Instructions

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

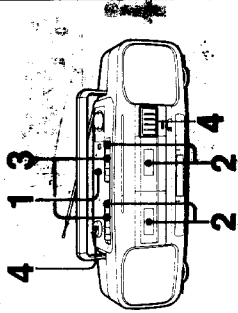
## Owner's Record

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

Model No. CFS-DW34    Serial No. \_\_\_\_\_

# MEGA BASS

## Playback (either deck)

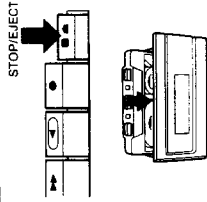


### Tape operating buttons

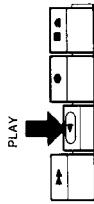
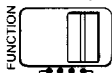
To wind tape rapidly	⏪
To rewind tape	⏩
To stop playback/recording	⏹
To release ⏪ or ⏩	⏪ ⏩
To pause playback/recording	⏸
To release pause	⏸

**1**

**2** Insert a cassette.

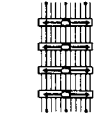


**3**

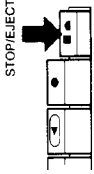


**4**

Adjust **VOLUME** and equalizer controls, if necessary.



To stop playback



### For private listening

Connect stereo headphones to PHONES jack.

When the unit is in use,

OPER/BATT (operator/battery) indicator lights. Intensity of glow shows battery level.

When both decks A and B are in the playback mode, only playback from deck B will be audible.

### Note:

During playback, avoid pressing the FF/REW/PLAY buttons of the other deck since the playback speed may vary.

To obtain powerful bass sound.

The "MEGA BASS" system gives powerful bass through the duct in the front.

To increase the bass, push the MEGA BASS switch ON.

### Equalizer adjustments

These are the frequency coverages of the equalizer controls.

**250 Hz:** speaking voice, middle frequencies of instrumental music.

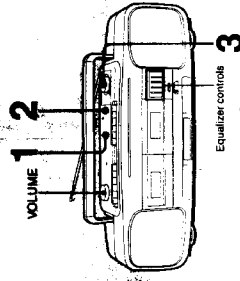
**600 Hz:** singing vocals. Boost for increased "presence."

**2.5 kHz:** overall brightness of sound.

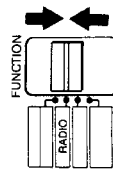
**10 kHz:** general treble. Lower to reduce noise.

Raise control to emphasize a frequency band, lower to de-emphasize.

## Listening to the Radio

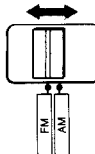


**1**



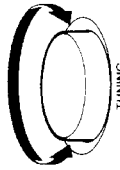
**2**

Select the desired band.

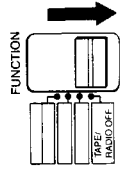


**3**

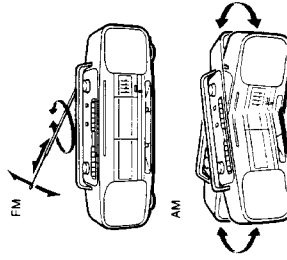
Tune in a desired station.



To turn off the radio

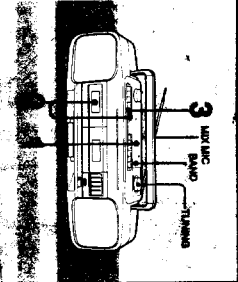


Antenna adjustment



To adjust sound level and tone quality, adjust **VOLUME** and equalizer controls.

## Revolving (deck B only)



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

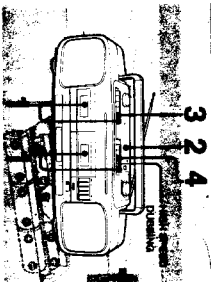
- 1 From radio**
- 2 Insert a blank cassette**
- 3**

**To stop recording**

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

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

## Tape Dubbing (deck A to deck B)



For dubbing at twice as high as normal speed, press **HIGH SPEED DUBBING** on deck A.

### Notes on dubbing

- If deck A's tape finishes first, deck B will also stop. (Manually press **STOP/EJECT** to release locked buttons.)
- If deck B's tape finishes first, deck A will continue playing.

- 1 Insert recorded tape in A.**
- 2**
- 3 on deck B**
- 4 on deck A**

**To stop recording on deck A and deck B**

## Listening to or recording from other component (CD player, eg.)

Connect the other component to the CDLINE IN jacks of this unit with the connecting cord PK-C74A (not supplied) and set the **FUNCTION** selector to **CDLINE IN**.

## Microphone Mixing

Microphone sound mixed with CD, radio or the sound recorded to the CDLINE IN jacks or radiator can be recorded on the tape.

1 Connect a microphone equipped with miking.

2 Choose the desired sound source with **FUNCTION** and play the sound source to be mixed.

Sound source	FUNCTION selector
The sound of the equipment connected to the CDLINE IN jacks	CDLINE IN
Radio program	RADIO
Taped program	TAPERADIO OFF

3 Adjust the volume of the sound source being played.

To record mixed sound

Insert a blank cassette into deck B and depress **REC**.

To record microphone sound only (monaural)

Connect a microphone to the **MIX MIC** jack.

2 Press **REC** and **TAPERADIO OFF**.

3 Insert a cassette into deck B.

4 Depress **REC**.

## Public address system

1 Set the volume to 10 to MIX MIC.

2 Be sure that nothing is connected to CDLINE IN.

3 Set **FUNCTION** to CDLINE IN.

4 Adjust the sound level.



**Notes**

• If howling (feedback) occurs, move the microphone.

• It is not recommended to use a microphone equipped with echo function.

## WARNING

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

 <b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product which may be sufficient 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.

## Precautions

### Notes on Power Sources

- Use six size D (FR20) batteries or, for AC operation, 120V AC only, the supplied AC power cord.
- Do not use the unit for long periods to avoid damage from battery leakage.
- Unplug the unit from the wall outlet when it is not to be used for an extended period of time.

### Handling the Unit

- Avoid exposure to temperature extremes, direct sunlight, dust, or mechanical shock.
- 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 touch 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.

### Note on Cassette

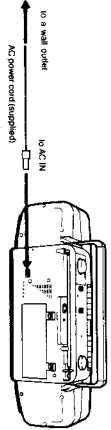
Use of cassettes longer than 90 minutes is not recommended except for long continuous recording or playback.

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

## Power Sources

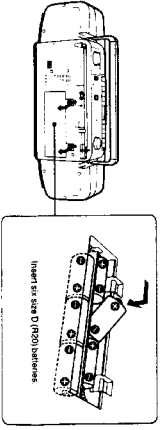
### House Current

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



### Batteries

Insert six size D (FR20) batteries.



### Notes

- The unit cannot be operated on batteries when the AC power cord is connected to the unit.
- When the OPRBATT indicator glows faintly, replace all the batteries.
- For optimal recordings, operating the unit on AC power is recommended.

# Troubleshooting Guide

## The unit does not operate.

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

## Cassette cannot be inserted.

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

## Tape doesn't move.

- PAUSE is depressed.

## REC cannot be depressed.

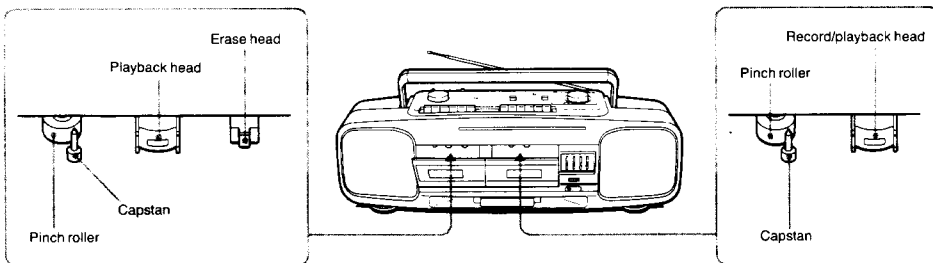
- No cassette in deck B.
- The cassette inserted has tab removed. Use other cassette or cover the slot with plastic tape.

## No sound from speakers.

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

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

- Dirty heads. Clean the illustrated portions with cleaning fluid or alcohol.
- Demagnetize the heads and all metal parts in the tape path with a commercially available head demagnetizer.



## Specifications

### AUDIO POWER SPECIFICATIONS

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven, from 80–10,000Hz; rated 4.6W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

Tuner frequency range	FM: 87.6–108 MHz AM: 530–1,710 kHz
Recording system	4-track 2-channel stereo
Frequency response	80 Hz–10,000 Hz
Speakers	8 cm (3 1/4 in.) dia. full range × 2
Inputs	MIX MIC jack (monaural minijack): Sensitivity 3.09 mV, for low impedance microphone CD/LINE IN jacks (phono jacks): Sensitivity 0.44 V, input impedance 50 kilohms
Output	Headphones jack (stereo minijack) for 16–68 ohm impedance headphones (model for Canada) 5 W+5 W (at 10% harmonic distortion) in DC operation
Power output	
Power requirements	120 V AC, 60 Hz 9 V DC, six size D (R20) batteries
Power consumption	15 W

### Battery life

Batteries	FM recording
Sony SUM-1(NS)	Approx. 9 hours
Sony AM1(N) alkaline	Approx. 29 hours

Dimensions	Approx. 630 × 190 × 172 mm (w/h/d) (24 7/8 × 7 1/2 × 6 7/8 inches) incl. projecting parts and controls, not incl. handle
Weight	Approx. 5.6 kg (12 lb 5 oz) incl. batteries
Accessory supplied	AC power cord (1)
Optional accessories	Sony "MDR" headphone series

Design and specifications subject to change without notice.