

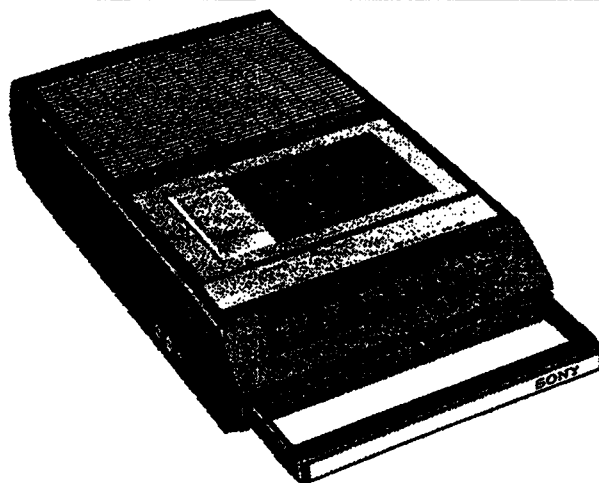
SONY.

CASSETTE-CORDER

TCM-858

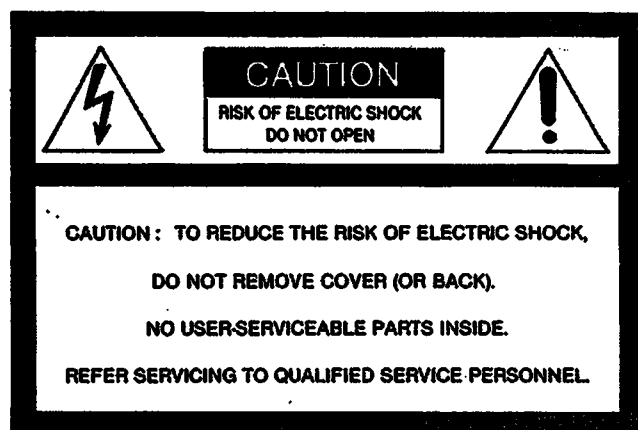
OPERATING INSTRUCTIONS

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



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.

*These markings are located on the bottom of the unit.

PRECAUTIONS

- Do not open the casing. Refer servicing to qualified personnel only.
- Operate the unit only on 120 V AC, 60 Hz or 6 V DC with four size C batteries (IEC designation R14).
- Disconnect the AC power cord from the wall outlet when the unit is not to be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- When the unit is not to be used for a long period of time or is to be operated extensively on house current, remove the batteries to avoid damage caused by battery leakage.
- Do not leave the unit in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, or mechanical shock.
- Should any liquid or solid object fall into the unit, remove the batteries and disconnect the AC power cord, and have the unit checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, metallic objects such as pins, etc. may cling to the unit. Keep personal credit cards using magnetic coding away from the unit to prevent possible damage caused by the magnet.

If the unit has not been used for a long time, set it in playback mode and warm the unit up for a few minutes before inserting a cassette.

Note on the 120-minute cassette

The use of a 120-minute cassette tape is not recommended except for long continuous recording or playback. When using this cassette tape, do not switch the tape operation mode frequently, because this very thin tape can easily be stretched and becomes entangled.

If you have any question or problem concerning your unit that is not covered in this manual, please consult the nearest Sony Service Station authorized to service tape recorders (in the USA) or the nearest Sony of Canada Factory Service Station (in Canada).

LOCATION AND FUNCTION OF CONTROLS

Tape counter and reset button
Use the counter for indexing the tape contents. Before recording, push the button to set the counter to "000".

Speaker

Battery compartment (rear)

AC IN~ socket

TONE control
Turn toward H (high) for more treble and toward L (low) for less treble.

VOLUME control

Ⓜ (earphone) jack

MIC (microphone) jack

REMOTE (remote control) jack
For remote stop/start operation during recording or playback by connecting a commercially available remote control switch.

Built-in microphone

REC/BATT (record/battery) indicator
Flickers during recording, and lights during other tape operations.

Cassette holder

Carrying handle

Tape operation mode select buttons

- PAUSE button: Depress to momentarily stop the tape during recording or playback. To restart the tape, press it again.
- STOP/EJECT button
- ▶▶ FF/CUE (fast forward/cue) button
- ◀◀ REW/REVIEW (rewind/review) button
- ▶▶ PLAY (playback) button
- RECORD button

POWER SOURCES

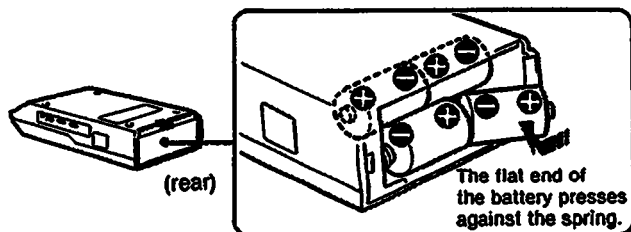
HOUSE CURRENT (120 V ac)

Using the supplied AC power cord, connect the AC IN~socket of the recorder to a wall outlet.

BATTERIES

Installation

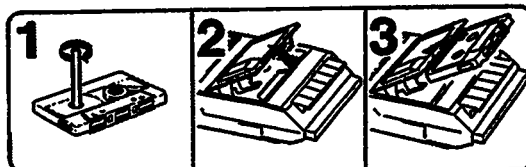
Insert four size C (IEC designation R14) batteries with correct polarity.



Note: The unit cannot be operated on the internal batteries when the AC power cord is connected to the unit.

To check battery condition: Check the battery condition with the REC/BATT indicator. When the batteries become too weak to provide enough power to operate properly, the indicator will glow faintly. When this happens, replace all the batteries. For battery life, see "SPECIFICATIONS".

CASSETTE INSERTION

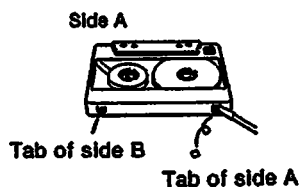


- 1 Take up any slack in the tape.
- 2 Open the cassette holder with the ■ button.
- 3 Place a cassette with desired side up (tape surface outside) and close the holder.

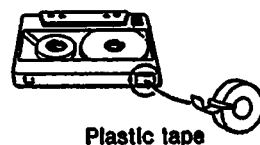
To take out the cassette, press the ■ button again.

To prevent accidental erasure
Break out the small tabs at the rear of the cassette. To record on a cassette after the tabs have been removed, simply cover each slot with a small piece of plastic tape.

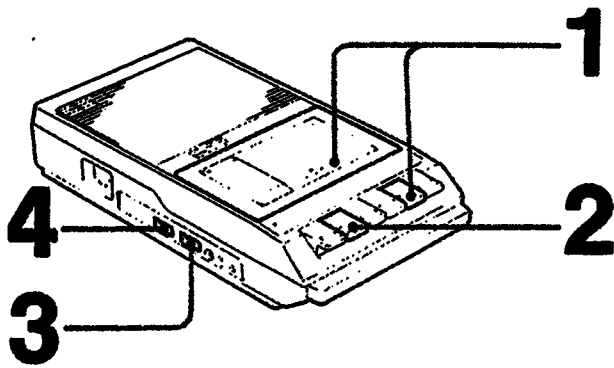
To protect side A recording



To reuse a cassette



PLAYBACK



- 1 Insert a cassette.
- 2 Depress the ► button.
Playback will begin.
- 3 Adjust the volume.
- 4 Adjust the tone.

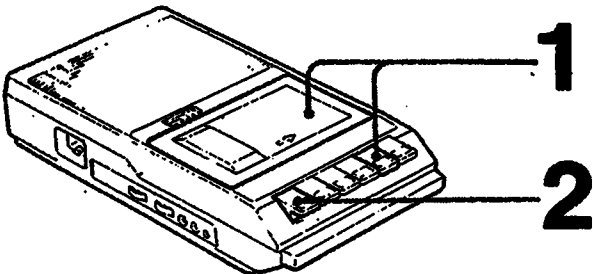
To stop the tape, press the ■▲ button.

To rapidly advance the tape	Depress ►►
To rewind the tape	Depress ◀◀

Cue and review function

During playback, you may skip-over unnecessary portions of the tape by pressing the ►► button, or repeat a certain portion of the tape by pressing the ◀◀ button.

RECORDING FROM THE BUILT-IN MICROPHONE



- 1 Insert a cassette.
- 2 Depress the ● button.
The ► button will be automatically depressed and the recording will begin. The built-in microphone picks up sound from all directions.

To stop the tape, press the ■▲ button.

Note: Make sure that nothing is connected to the MIC jack.

Automatic shut-off mechanism

In playback or record mode, tape motion stops at the end of the tape and the locked buttons will return to their original positions automatically.

In fast forward or rewind mode, however, be sure to press the ■▲ button to release the locked buttons.

MAINTENANCE

CLEANING THE HEADS

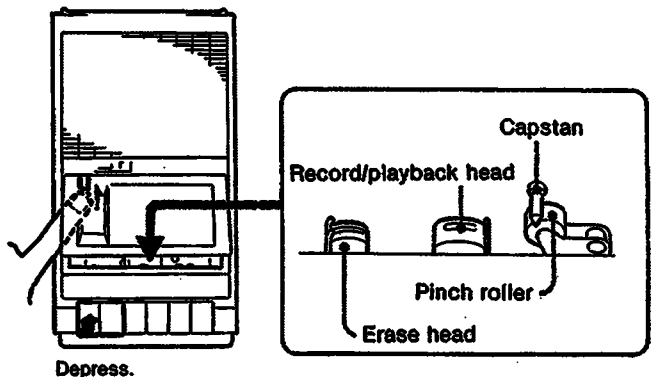
Clean the tape heads after every 10 hours of use to enjoy optimum sound.

While pressing the lever as shown in the direction of the arrow, depress the ● button to move the heads out for easier access.

Moisten a cotton swab or a soft cloth with alcohol, and gently wipe the parts shown below. After cleaning, press the ■▲ button.

CLEANING THE CASING

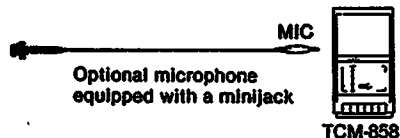
Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use solvents such as alcohol, benzine, or thinner as they may mar the finish of the casing.



RECORDING FROM VARIOUS SOUND SOURCES

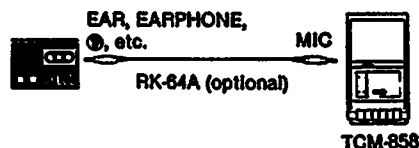
Recording with an external microphone

Set the cassette-corder in record mode. The built-in microphone is disconnected automatically when an external microphone is plugged in.



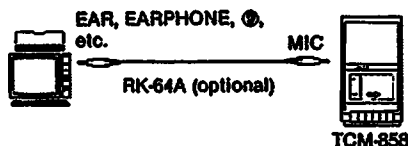
Dubbing from another tape recorder

Set the other recorder in playback mode, and adjust it to a normal listening level. Set the TCM-858 in record mode.



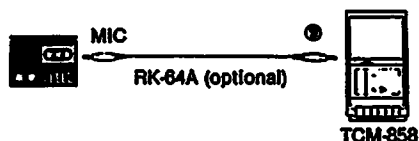
Recording from a TV equipped with an audio output jack or an earphone jack.

Tune in the desired program on the TV, and set the cassette-corder in record mode. When recording from the earphone jack, adjust the TV to a normal listening level.



Dubbing onto another tape recorder

Set the TCM-858 in playback mode and the other recorder in record mode.



SPECIFICATIONS

Recording system	2-track 1-channel monaural
Speaker	Approx. 7.7 cm (3 1/8 inches) dia.
Fast winding time	Approx. 2 min. with Sony CHF-60 cassette
Frequency response	50-8,000 Hz
Input	Microphone input (minijack) sensitivity 0.2 mV (-72 dB) for low impedance microphone
Output	Earphone jack (minijack) for 8 to 300-ohm earphone or load impedance 10 kilohms or higher
Other jack	Remote control jack
Power output	500 mW (at 10% harmonic distortion)
Power requirements	6V DC 4 batteries size C (IEC designation R14) 120V AC, 60 Hz

Battery life (hours)

Batteries	Recording	Playback
Sony New Super SUM-2 (NS) batteries or Eveready No. 1235 Heavy Duty batteries	4	4
Sony Eveready AM2 or Eveready No. E93 alkaline batteries	10	10

Dimensions Approx. 140×55×260 mm (w/h/d)
(5 1/2×2 1/4×10 1/4 inches)
incl. projecting parts and controls

Weight Approx. 1,060 g (2 lb 6.1 oz) incl. batteries

Supplied accessories AC power cord (1)

Design and specifications subject to change without notice.

OPTIONAL ACCESSORIES

Dynamic Microphone F-V10T
Electret Condenser Microphone ECM-D8
Connecting Cord RK-64A

Use of Sony cassette tapes and batteries is recommended.

TROUBLESHOOTING GUIDE

Should any problem occur with the unit, make the following simple tests to determine whether or not servicing is required. If the problem persists after you have made these tests, consult the nearest Sony dealer for further information.

Cassette cannot be inserted.

- Cassette is being inserted improperly.
- The ► button is depressed.

The ● button cannot be depressed.

- No cassette in the cassette holder.
- The cassette inserted has had the tabs removed. Cover the slot with a small piece of plastic or vinyl tape.

Tape does not move.

- Incorrect polarity of batteries.
- Weak batteries.
- The ■ button is depressed.
- The AC power cord is not connected (on AC operation).

* Battery operation is attempted while the AC power cord is connected

No sound from the speaker.

- The earphone is plugged in.
- The VOLUME control is turned down completely.

Weak or distorted sound, sound drop-outs, or excessive noise.

- Weak batteries.
- Dirty heads.

Poor tone quality tape playback.

- Improper adjustment of the TONE control.
- Weak batteries.
- Dirty capstan and pinch roller.

Recording cannot be made or is unsatisfactory.

- Improper connection. See "RECORDING FROM VARIOUS SOUND SOURCES".
- Weak batteries.
- Dirty record/playback head.