

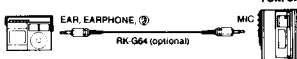
Various Sound Sources

Connections/Preparations

Recording with an optional microphone

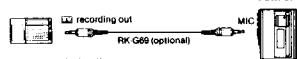


Dubbing from another cassette-corder



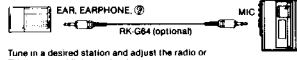
Set it in the playback mode and adjust it to your normal listening level.

Recording from a radio or TV equipped with a recording jack



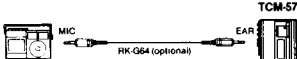
Tune in a desired station.

Recording from a radio or TV equipped with an earphone jack



Tune in a desired station and adjust the radio or TV to a normal listening level.

Dubbing onto another cassette-corder



Set it in the playback mode and adjust it to your normal listening level.

If your radio, TV, etc., is not Sony product, refer to the instruction manual of that unit.

Specifications

| | |
|--------------------|---|
| Recording system | 2-track 1-channel monaural |
| Frequency response | 100 - 8,000 Hz (For normal tape TYPE I) |
| Power output (DC) | Speaker: 350 mW (at 10% harmonic distortion) |
| Input | Microphone input jack (minijack) sensitivity 0.2mV for 3kΩ or lower impedance microphone |
| Output | Earphone jack (minijack) for 8 - 300 Ω earphone |
| Power requirements | 3V DC, two size AA (R6) batteries + Sony AC-DCM AC power adaptor for use on 120 V AC, 60 Hz + Sony DCC-70 car battery cord (optional) for use on 12 V car battery |

| Battery life | (hours) |
|---------------------------------|-----------|
| Batteries | Recording |
| Sony batteries SUM-3 (NS) | Approx. 3 |
| Sony alkaline batteries AM3 (N) | Approx. 7 |

| | |
|--------------------|---|
| Dimensions | Approx. 88.2 × 112.0 × 34.9 mm (whid) (3 1/2 × 4 1/2 × 1 3/8 inches) |
| Weight | Approx. 280 g (9.9 oz) incl. batteries |
| Accessory supplied | Carrying case (1) |

Troubleshooting Guide

| Trouble | Cause |
|--|--|
| Cassette cannot be inserted. | <ul style="list-style-type: none"> Cassette is being inserted improperly. The ⬇ button is depressed. No cassette in the cassette holder. The cassette inserted has had the tabs removed. Cover the slot with a small piece of plastic tape. The PAUSELOCK switch is slid to the LOCK position. |
| The ⬇ button cannot be locked. | <ul style="list-style-type: none"> The tape is completely wound towards the arrow direction on the cassette holder. Rewind the tape with the ⬆ button. The PAUSELOCK switch is slid to the LOCK position. |
| The ⬆ and ⬇ buttons cannot be depressed. | <ul style="list-style-type: none"> The PAUSELOCK switch is slid to the LOCK position. |
| The DIRECTION button cannot be pressed. | <ul style="list-style-type: none"> The PAUSELOCK switch is slid to the PAUSE position. |
| Tape does not move. | <ul style="list-style-type: none"> Incorrect polarity of batteries. Weak batteries. See "Installing Batteries". The PAUSELOCK switch is slid to the PAUSE position. Battery operation is attempted while the AC power adaptor or car battery cord is connected to the recorder but not to the wall outlet or the cigarette lighter socket. The AC power adaptor is not connected (on AC operation). |
| No sound from the speakers. | <ul style="list-style-type: none"> The earphone is plugged in. The VOL control is turned down completely. |
| Tape speed is excessively fast or slow during playback. | <ul style="list-style-type: none"> Improper setting of the SPEED CONTROL switch. |
| Weak or distorted sound, sound dropouts, or excessive noise. | <ul style="list-style-type: none"> Weak batteries. Dirty heads. See "Maintenance". |
| Recording cannot be made or is unsatisfactory. | <ul style="list-style-type: none"> Weak batteries. Improper connection. See "Recording from Various Sound Sources". Dirty heads. |

Optional accessories

AC power adaptor AC-DCM
Car battery cord DCC-70
Electret condenser microphone ECM-K7, ECM-K8
Monaural earphone ME-81, ME-L82
Connecting cord RK-G64, RK-G69

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information about the optional accessories available in your country.

Note

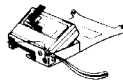
Use only the recommended AC power adaptor or car battery cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.



Design and specifications subject to change without notice.

How to use the carrying case

For an AC power adaptor or a car battery cord only



Cassette-corder

TCM-57

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 of the unit 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. TCM-57 Serial No. _____

PROPERTY OF THE
NATIONAL ARCHIVAL DEPT.

Sony Corporation ©1989 Printed in Japan

Features

- Auto-reverse function allows you to record or playback both sides of a cassette continuously without turning the cassette over.
- Sony's Boundary Effect system to pick up the speaker's voices more clearly at the conference.
- Adjustable tape speed in playback mode.
- Safety LOCK to prevent the function buttons (⬇, ⬆, ⬇, ⬆) from being activated by mistake.
- The pause mode changes to the stop mode when the **⬇** button is depressed in the pause mode.

Precautions

On operation

- Operate the unit on 3 V DC.
For AC operation or car battery operation, use accessories recommended for the unit.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust, or mechanical shock.
Never leave it in a car parked in the sun.
- If the unit 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.
- Should any solid object or liquid fall into the unit, remove the batteries and disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.

Note on cassettes longer than 90 minutes

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

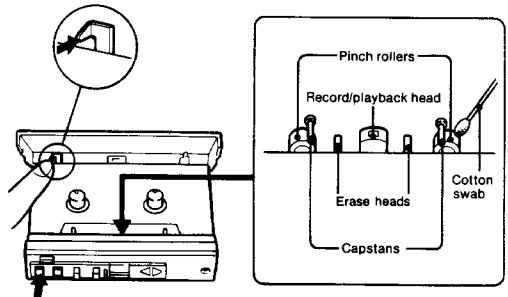
If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

Maintenance

Cleaning the heads

Prolonged use may contaminate the tape heads and the tape path. Contamination causes insufficient recording or decreased or unclear sound in playback.

To enjoy optimum sound, wipe the heads, capstans and pinch rollers with a cotton swab moistened with alcohol after every 10 hours of use.

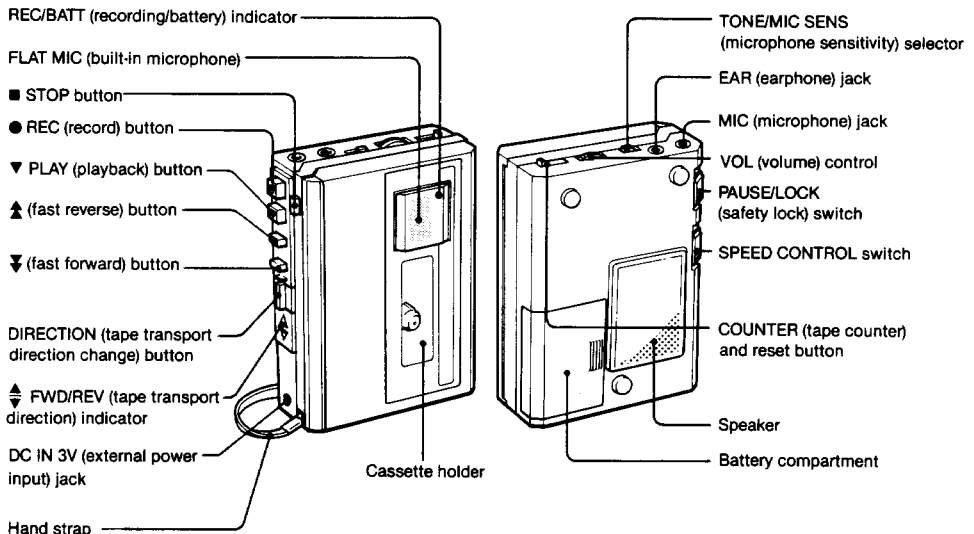


After cleaning, press the ■ button.

Cleaning the case

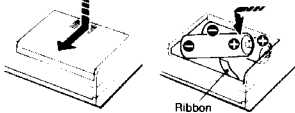
Do not use alcohol, benzene or thinner to clean the case.

Parts Identification



Installing Batteries

- 1** **2** Insert two size AA (R6) batteries with correct polarity.



Ribbon

Battery replacement

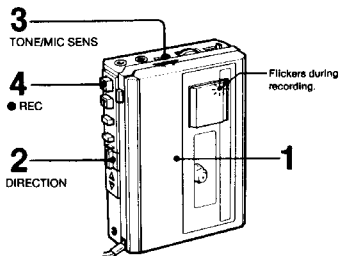
During tape playback, when the REC/BATT indicator glows faintly and sound becomes distorted or unstable, replace both batteries.

On battery life and other power sources, see "Specifications".

Notes

- The unit cannot be operated on internal batteries when the AC power adaptor or the car battery cord is connected to the unit.
- When the unit is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid damage from battery leakage and corrosion.

Recording with the Built-in Microphone



To monitor the sound being recorded, connect an optional earphone to the EAR jack.

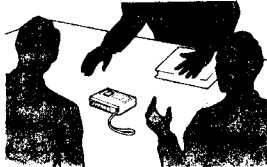
To stop recording, press the ■ button.

Notes

- Do not depress the ● button while the tape direction is being switched.
- When monitoring with the earphone, do not set the volume too high. Otherwise, a howling effect may occur.
- The DIRECTION button does not function during recording.
- Do not press the built-in microphone forcibly.
- Recording with the built-in microphone cannot be made, when an external microphone or a connecting cord is connected to the MIC jack.
- The TONE/MIC SENS switch does not function, when using an external microphone.

To pick up the speaker's voice more clearly at a conference

Place the unit on a table horizontally for maximum performance of the built-in flat microphone (Sony Boundary Effect system).



- 1** Insert a cassette.
To record on one side only:
Insert the cassette with the recording side facing inside.

To record on both sides:
Insert the cassette with the side to be recorded first facing the cassette holder.

- 2** Select the side to be recorded on with the DIRECTION button.

To start from the forward side →



To start from the reverse side →



- 3** Set the microphone sensitivity with the TONE/MIC SENS switch.

To pick up sounds at some distance. → H (high)

To pick up relatively loud sounds near the microphone. → L (low)

- 4** Depress the ● button to start recording.
No recording level adjustment is necessary.

To review the portion just recorded, keep the ▲ or ▼ button pressed during recording. When the ▲ or ▼ button is released, the playback will be started. (Press the ▼ button when recording on the reverse side.)

To correct a previously recorded portion during playback, simply depress the ● button and the recorder will immediately change to the recording mode.

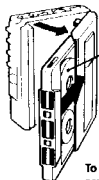
If you begin recording on the forward side, when the tape ends, the tape direction automatically changes to the REV (reverse) mode, and the recording of the reverse side begins.

At the end of the reverse side recording, the tape stops, then the locked ● and ▼ buttons will be released (automatic shut off), and the tape direction automatically changes to the FWD (forward) mode.

If you begin recording on the reverse side, the tape stops at the end of the reverse side and the locked ● and ▼ buttons will be released.

Inserting a Cassette

Before inserting the cassette, take up any slack in the tape with a thick pencil.



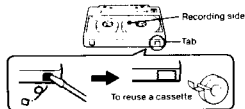
Side to be recorded or played back

To take out the cassette, press the ■ button before opening the cassette holder.

To prevent accidental erasure

Break out the tab corresponding to the side to be recorded on.

Recording on that side will be protected.

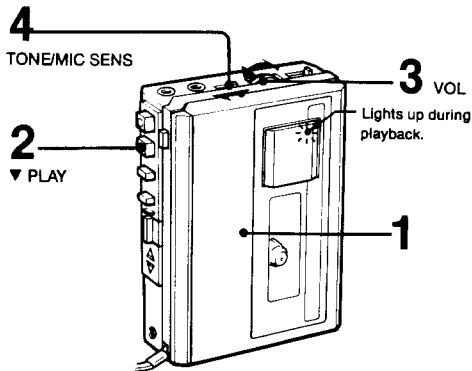


Note

When power is not supplied in the unit and a cassette without tabs has been inserted, do not depress the ● button after pressing the DIRECTION button, as the ● button and ▼ button then will remain depressed.

If this happens, be sure to press the ■ button to release these buttons.

Tape Playback



- 1 Insert a cassette.
- 2 Depress the ▼ button to start playback.
- 3 Adjust the volume.
- 4 Adjust the tone with the TONE/MIC SENS switch.

For more treble → H (high)

For less treble → L (low)

This cassette-corder will automatically play both sides of the cassette. The transport direction is indicated by the FWD/REV indicator. As long as the cassette is not removed, it will continue to play, first one side then the other (auto-reverse function).

After the playback of the reverse side, the tape will stop and the locked ▼ button will be released (automatic shut-off), the direction will change to the FWD mode.

To stop the tape, press the ■ button.

To advance the tape rapidly to forward direction, depress the ▼ button.

To rewind the tape rapidly to reverse direction, depress the ▲ button.

To listen to the other side, press the DIRECTION button.

Forward side priority function

If you open the cassette holder in the stop mode, the tape direction will be automatically set to the FWD mode and recording or playback will be started from the forward side.

Note

If you open the cassette holder when no power is supplied with the unit in the REV mode, the FWD/REV indicator will stop in a neutral position. In this case, supply the power and the indicator will automatically move to the FWD or REV position.

To stop the tape momentarily in the recording or playback mode

Set the PAUSE/LOCK switch to the PAUSE position. To release the pause mode, set the switch to the center position.

Note

The DIRECTION button does not function in the pause mode. To stop the tape for a long time, press the ■ button.

Safety lock function

Set the PAUSE/LOCK switch to the LOCK position while the tape is running to maintain its operation, or when the unit is in the stop mode to prevent accidental operation.

Adjusting the playback speed with the SPEED CONTROL switch

To increase the speed → Set the switch to FAST.

For normal tape speed → Set the switch to NORM.

To decrease the speed → Set the switch to SLOW.

The recording speed cannot be controlled with the SPEED CONTROL switch

To locate a desired portion during playback — cue/review function

Keep pressing the ▲ or ▼ button during playback. At the desired point found by listening to the high-speed sound, release the pressed button to restart playback.