

This warranty is valid only in the United States.

SONY

3-862-343-11(4)

SONY. Tape Cassette Player/Recorder/CD Player/Mini Disc
DAT/Radio/Head Phone/Speaker/MC/Personals

LIMITED WARRANTY Portable Audio

Sony Electronics Inc. ("Sony") warrants this Product (including any accessories) against defects in material or workmanship as follows:

- LABOR:** For a period of 90 days from the date of purchase, if this Product is determined to be defective, Sony will repair or replace the Product, at its option, at no charge, or pay the labor charges to any Sony authorized service facility. After the Warranty Period, you must pay for all labor charges.
- PARTS:** In addition, Sony will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of one (1) year. After 90 days from the date of purchase, labor for removal and installation is available from Sony authorized service facilities or a Sony Service Center at your expense.

To obtain warranty service, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Sony service facility.

This warranty does not cover customer instruction, installation, set up adjustments or signal reception problems.

This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of the Product, including the antenna. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Sony to service the Product. This warranty does not cover Products sold AS IS or WITH ALL FAULTS, or consumables (such as fuses or batteries). This warranty is valid only in the United States.

Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the unit is within the Warranty period must be presented to obtain warranty service.

This warranty is invalid if the factory applied serial number has been altered or removed from the Product.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract with the Sony Partnership within 90 days of the date of sale, the limitation on how long an implied warranty lasts does not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

For your convenience, Sony Electronics Inc. has established telephone numbers for frequently asked questions:

To locate the service or dealer nearest you, or for service assistance or resolution of a service problem, or for product information or operation, call:

Sony Direct Response Center
1-800-222-7669
or write to:
Sony Direct Response Center
12451 Gateway Blvd.
Fort Myers, FL 33913

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

Microcassette™-Corder

Operating Instructions

M-100MC

Sony Corporation © 1998 Printed in China

For the customers in the U.S.A.

Owner's Record

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



Model No. M-100MC Serial No. _____

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Welcome!

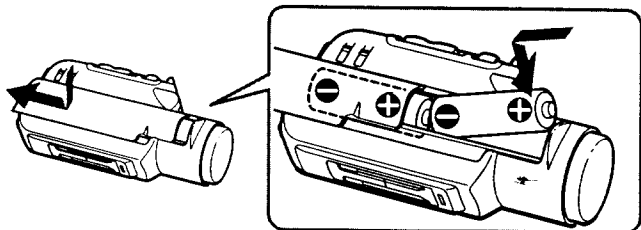
Thank you for purchasing the Sony Microcassette-Corder. Some features are:

- The three modes (Lecture, Meeting, or Dictation) allow you to switch the microphone sensitivity and directionality so that the microphone picks up the sound clearly depending on the recording situation.
- The recorded sound is loud and clear with high power output.
- The BATT lamps indicate remaining battery power in two steps and the  lamp indicates when to replace the batteries.
- The CUE MARKER function locates a specific position of a dictation.
- The FAST PB (fast playback) function enables you to review the contents approx. 20% faster than normal playback.
- The VOR (Voice Operated Recording) system starts and stops recording automatically in response to the sound.
- Edit function—You can start recording directly from the playback mode by pressing the  button to correct a previously recorded portion.
- Tape counter
- Automatic shut-off mechanism at the end of the tapé (in the recording/playback mode only)
- Stop-pause-release function—The PAUSE switch is released

Preparing Power Sources

Choose one of the following power sources.

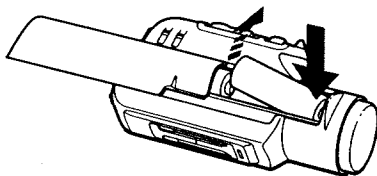
Dry Batteries



Make sure that nothing is connected to the DC IN 3V jack.

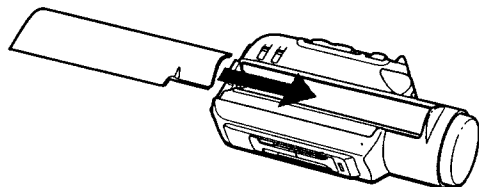
- 1 Open the battery compartment lid.
- 2 Insert two R6 (size AA) batteries with correct polarity and close the lid.

To take out the batteries




To attach the battery compartment lid, if it is accidentally detached

Attach it as illustrated.

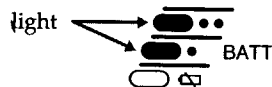


When to replace the batteries

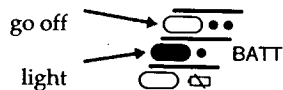
Replace the batteries with new ones when the BATT indicators go off and the  indicator flashes.

The BATT indicators change as illustrated:

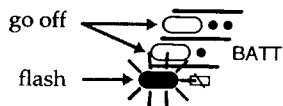
When batteries are new







When batteries become weak



Replace batteries



Notes

- The unit will play back normally for a while, even after the  indicator flashes. However, replace the batteries as soon as you can. If not, the playback cannot be made with normal sound, noise may be recorded and the recorded sound will not be loud enough.
- The  indicator flashes to indicate battery replacement during playback, recording and pause (during pause by VOR function also).
- In the following cases you do not need to replace the batteries:
 - if the BATT indicators flash with the playback sound when you turn up the volume.
 - if the  indicator lights momentarily when the tape starts running or at the end of the tape.
 - if the  indicator flashes during fast forward / CUE or rewind / REVIEW.

Battery life (Approx. hours) (EIAJ*)

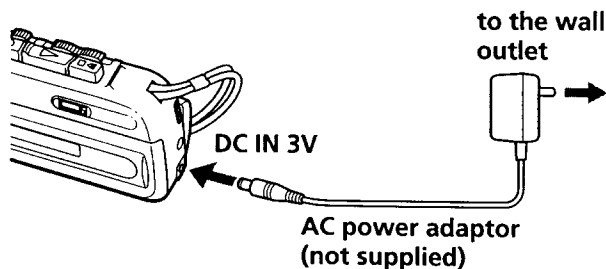
Batteries	Recording
Sony alkaline LR6 (SG)	16.0
Sony R6P (SR)	5.5

* Measured value by the standard of EIAJ (Electronic Industries Association of Japan) (Using a Sony Microcassette MC-60)

Note

The battery life may shorten depending on the operation of the unit.

House current



Connect the AC power adaptor to the DC IN 3V jack and to a wall outlet. Use the AC-E30HG AC power adaptor (not supplied). (For World model: In Japan, use the AC-E30M, not supplied.) Do not use any other AC power adaptor.

Polarity of the plug

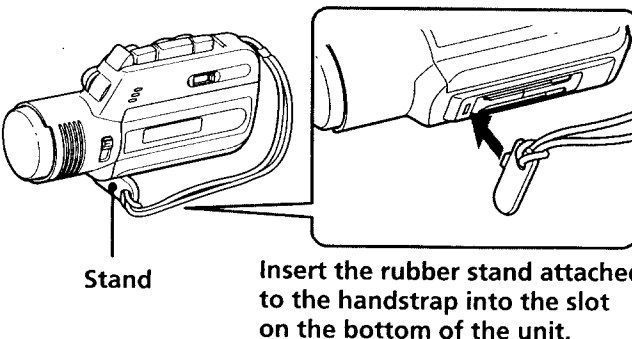
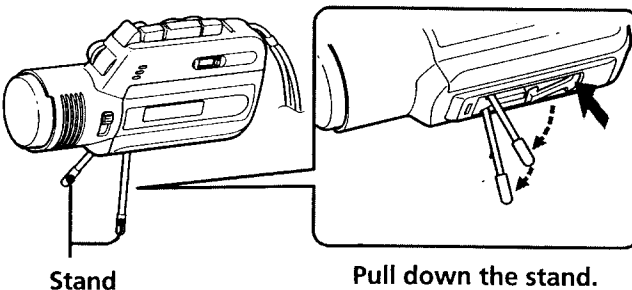


Note

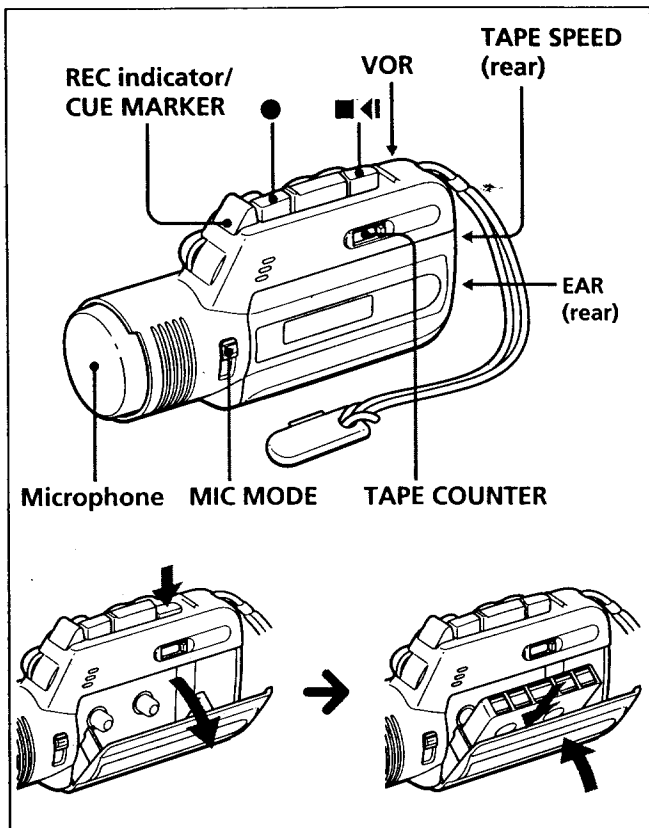
Specification for AC-E30HG varies for each area. Check your local voltage and the shape of plug before purchasing.

How to use the stands

You can position the unit to record the sound more clearly using the stands. You can choose from the two types of stands depending on the recording situation.



Recording



- 1 Press the reset button of the TAPE COUNTER.
- 2 Press ■◀ and insert a standard microcassette with the side to start recording facing the lid.
- 3 Select the desired tape speed.
2.4cm for optimum sound (recommended for normal use): A 30-minute recording can be made using both sides of the MC-30 microcassette.
1.2cm for longer recording time: A 60-minute recording can be made using both sides of the MC-30 microcassette.
- 4 Set MIC MODE to select the sensitivity of the microphone (see "Using the MIC MODE selector").
Lecture: to record the sounds from where the unit is aiming (uni-directional). It is useful to record during a lecture.
Meeting: to record at meetings or in a quiet or spacious place (omni-directional).
Dictation: to record for dictation or in a noisy place (omni-directional).
- 5 Set VOR to ON or OFF.
 If you set VOR to ON, the unit automatically starts recording the sound and pauses when there is no sound (you can save tapes and batteries).
 When the sound is not loud enough, set it to OFF, or the unit may not start recording.
- 6 Press ●.
 Recording starts. While the tape runs, the REC indicator lights and flashes depending on the strength of the sound.

To	Press or slide
Stop recording	■◀
Start recording during playback	● during playback (the unit becomes in the recording mode) The REC indicator lights.
Review the portion just recorded	Slide ►►CUE/◀◀REVIEW toward ◀◀REVIEW during the recording. Release it at the point to start playback.
Pause recording	Slide ■■PAUSE in the direction of the arrow. The REC and BATT indicators go off. To release pause recording, slide ■■ PAUSE in the opposite direction.
Take out a cassette	■◀

Note

Select the 2.4 cm tape speed for recording, if you play back the recorded tape with another unit. Otherwise, the sound quality may be changed.

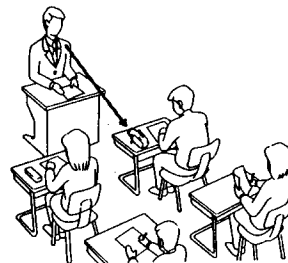
Notes on VOR (Voice Operated Recording)

- The VOR system depends on the environmental conditions. If you cannot get the desired results, set VOR to OFF.
- When you use VOR in a noisy place, the unit will stay in the recording mode. If the sound is too soft, on the contrary, the unit will not start recording.

Using the MIC MODE selector

Set MIC MODE to the desired position depending on the recording situation.

Lecture



Meeting



Dictation

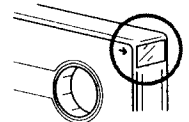
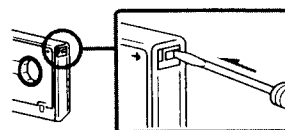


To monitor the sound

Connect the earphone (supplied to World model only) to EAR jack. The monitor volume cannot be adjusted by VOL.

To prevent a cassette from being accidentally recorded over

Break out and remove the cassette tabs. To reuse the cassette for recording, cover the tab hole with adhesive tape.



Recording cue marks

While recording, you can record a special signal on the tape to mark a specific position.

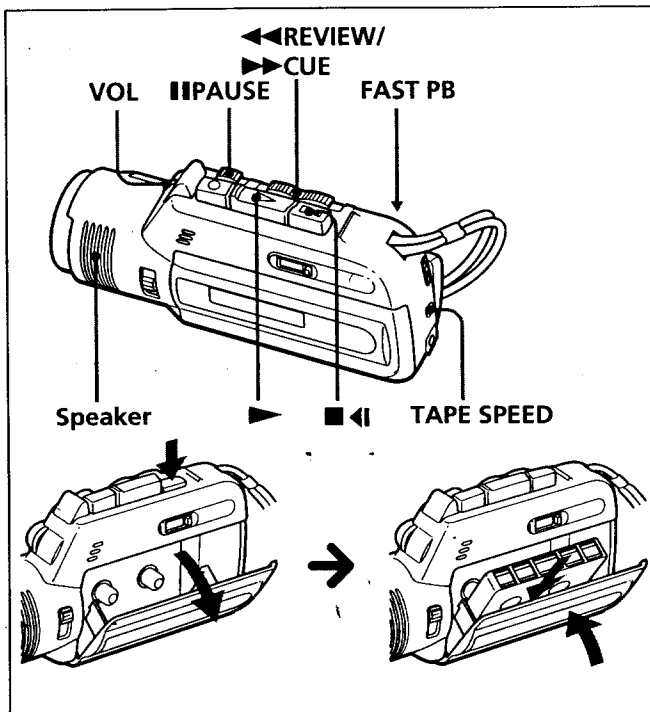
At the desired position, push CUE MARKER to record a signal. The REC indicator goes off for a while and a signal will be recorded on the tape. If you want to record a signal longer than that, push CUE MARKER as long as you want.

During cue and review, you will hear the beep sound at the signal position. During playback, you will hear the signal with low frequency.

Notes

- We recommend recording cue marks when there is a break in the sound.
- During cue and review, the beep sounds differently.
- The beep may sound differently depending on the marked position on the tape because the winding speed varies from the beginning to the end of the tape.

Playing a Tape



- 1 Insert a cassette with the side to start playing facing the lid.
- 2 Set TAPE SPEED to the same speed as that used for recording.
- 3 Press ►.
- 4 Adjust the volume.

To	Press or slide
Stop playback/stop fast forward or rewind*	■ ◀
Pause playback	Slide ■ PAUSE in the direction of the arrow. The BATT indicators go off. To release pause playback, slide ■ PAUSE in the opposite direction.
Fast forward	Slide ►► CUE/◀◀ REVIEW toward ►► CUE during stop.**
Rewind	Slide ►► CUE/◀◀ REVIEW toward ◀◀ REVIEW during stop.**
Search forward during playback (CUE)	Keep ►► CUE/◀◀ REVIEW sliding toward ►► CUE during playback and release it at the point you want.**
Search backward during playback (REVIEW)	Keep ►► CUE/◀◀ REVIEW sliding toward ◀◀ REVIEW during playback and release it at the point you want.**

* If you leave the unit after the tape has been wound or rewind, the batteries will be consumed rapidly. Be sure to depress ■ ◀.

** The tape moves faster in the rewind/REVIEW mode than in the fast forward/CUE mode.

Note

If the tape is completely rewind while searching backward during playback (REVIEW), ►► CUE/◀◀ REVIEW may not return to the center position when you release it. In this case, push it back to the center position to start playback.

To increase the playback speed

Slide the FAST PB switch in the direction of the arrow. The playback speed will be increased.

To return to the original speed, slide the FAST PB switch to the original position.

At the end of the tape

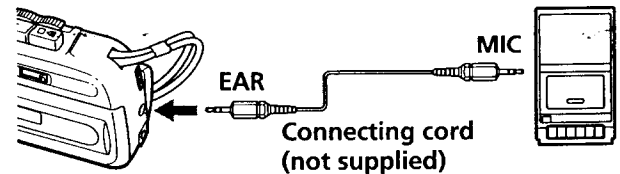
In the recording or playback mode, the tape stops at the end of the tape and the locked buttons will be released automatically (Automatic shut-off mechanism).

After fast forward or rewind, be sure to set ►► CUE/◀◀ REVIEW back to the center position.

Dubbing onto another tape recorder

Connect another tape recorder using the RK-G64HG connecting cord (not supplied). (In Japan, use the RK-G64, not supplied.)

Set this unit to the playback mode and another tape recorder to the recording mode.



Precautions

On power

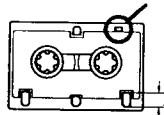
- Operate the unit only on 3 V DC.
For AC operation, use the AC adaptor recommended for the unit. Do not use any other type. For battery operation, use two R6 (size AA) batteries.

On the unit

- Use only the **MICROCASSETTE**[™] (standard microcassettes) with this unit. Non-standard cassettes cannot be used because their "L" dimension (see illustration) is different.

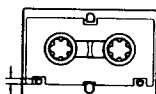
Standard

Only standard microcassettes have a small indentation of side A.



Approx. 5 mm

Non-standard



Approx. 2.5 mm

- Do not leave the unit 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 unit, remove the batteries or disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- Keep personal credit cards using magnetic coding or spring-wound watches etc. away from the unit to prevent possible damage from the magnet used for the speaker.
- When you do not use the unit for long, remove the batteries to avoid damage caused by battery leakage and subsequent corrosion.
- If the unit has not been used for long, set it in the playback mode and warm it up for a few minutes before inserting a cassette.

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

Troubleshooting

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

A cassette cannot be inserted.

- The cassette is being inserted in the wrong way. (The cassette should be inserted in the lid with the tape side facing upward.)
- ► has been already pressed.

● cannot be pressed.

- There is no cassette in the cassette compartment.
- The cassette tab has been removed.

● or ► cannot be pressed.

- The tape has reached the end.
- After the automatic shut-off, || PAUSE is slid in the direction of the arrow.

The unit does not operate.

- The batteries have been inserted with incorrect polarity.
- The batteries are weak. Replace both batteries with new ones.
- || PAUSE is slid in the direction of the arrow.
- The AC power adaptor or car battery cord is connected to the unit only and you are going to use the unit on batteries.

No sound comes from the speaker.

- The earphone is plugged in.
- The volume is turned down completely.

The sound drops out or comes with excessive noise.

- The volume is turned down completely.
- The batteries are weak. Replace both batteries with new ones.
- The head is contaminated. See "Maintenance".

During CUE/REVIEW, the tape stops or does not run. Or you cannot fast-forward or rewind.

- The batteries are weak. Replace both batteries with new ones.

Tape speed is too fast or too slow in the playback mode.

- Improper setting of the TAPE SPEED switch. Set it to the same speed as that used for recording.

Tape speed is faster than the normal playback speed.

- The FAST PB switch is slid in the direction of the arrow.

Recording cannot be made.

- The batteries are weak. Replace both batteries with new ones.
- The head is contaminated.
- The VOR switch is set to ON. When you do not use VOR, set it to OFF.
- Set the MIC MODE selector firmly at the correct position.

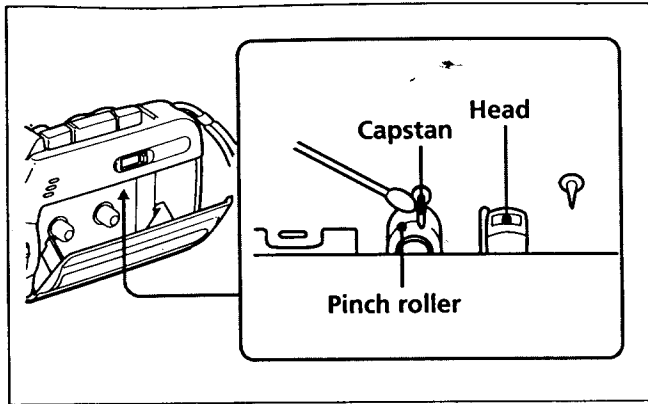
Recording is interrupted.

- The VOR switch is set to ON. When you do not use VOR, set it to OFF.

Recording cannot be erased completely.

- The head is contaminated.

Maintenance



To clean the tape head and path

Press ► and wipe the head, capstan and the pinch roller with a cotton swab, moistened with alcohol every 10 hours of use.

To clean the exterior

Use a soft cloth slightly moistened in water. Do not use alcohol, benzene or thinner.

Specifications

Tape

MICROCASSETTE™ (normal position type)

Recording system

2-track 1-channel monaural

Speaker

Approx. 2.8 cm (1 1/8 in.) dia.

Tape speed

2.4 cm/s (1 5/16 ips), 1.2 cm/s (1 1/32 ips)

Frequency range

"Lecture": 400 - 3,000 Hz

"Meeting", "Dictation": 400 - 4,000 Hz

Output

Earphone jack (minijack) for 8 - 300 ohms earphone

Power output (at 10% harmonic distortion)

220 mW

Battery life (recording)

See "Preparing Power Sources".

Power requirements

3 V DC

Two R6 (size AA) batteries

Dimensions (w/h/d)

Approx. 126.0 × 68.0 × 40.8 mm (5 × 2 3/4 × 1 5/8 in.) incl. projecting parts and controls

Mass

Approx. 180 g (6.4 oz) incl. batteries

Supplied accessories

Hand strap (attached to the unit) (1)

Microcassette tape (1) (Except for U.S.A., Canada and European models)

Wind screen (1) (U.S.A., Canada and World model only)

R6 (size AA) batteries (2) (World model only)

Earphone (1) (World model only)

Design and specifications are subject to change without notice.

Optional accessories

Microcassette MC-60, MC-30

Earphone ME-81, ME-L82

Connecting cord RK-G64HG or RK-G64 (miniplug to miniplug with attenuator)

AC power adaptor AC-E30HG or AC-E30M

Car battery cord DCC-E230