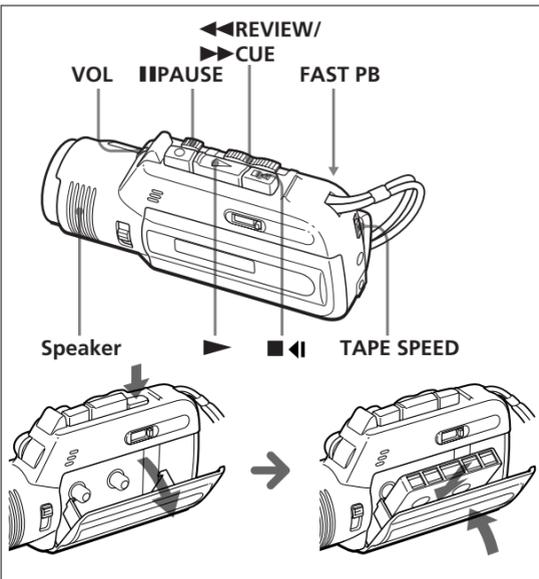


Playing a Tape



- 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 rewound, 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 rewound 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).

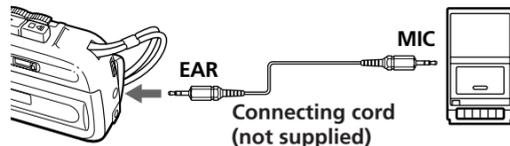
After fast forward or rewind, be sure to set **▶▶ CUE** /

◀◀ REVIEW back to the center position.

Dubbing onto another tape recorder

Connect another tape recorder using the RK-G64 connecting cord (not supplied).

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



Precautions

On power

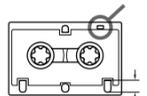
- Operate the unit only on 3 V DC.
- For AC operation, use the AC adaptor recommended for the unit. Do not use any other type. For battery operation, use two R6 (size AA) batteries.

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

Only standard microcassettes have a small indentation of side A.



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.

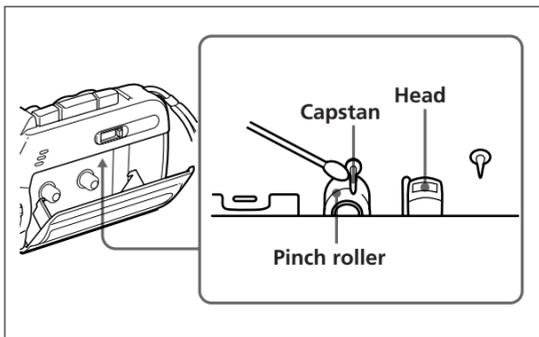
Recording is interrupted.

→ 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, benzine or thinner.

Specifications

Tape

MICROCASSETTE™ (normal position type)

Recording system

2-track 1-channel monaural

Speaker

Approx. 2.8 cm (1¹/₈ in.) dia.

Tape speed

2.4 cm/s (1⁵/₁₆ ips), 1.2 cm/s (1⁵/₃₂ 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

Dimensions (w/h/d)

Approx. 126.0 × 68.0 × 40.8 mm (5 × 2⁷/₄ × 1⁵/₈ 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., Canadian and European models)
Wind screen (1) (U.S.A., Canadian, European and World models 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-G64 (miniplug to miniplug with attenuator)
AC power adaptor AC-E30HG, AC-E30M
Car battery cord DCC-E230, DCC-E345

This warranty is valid only in the United States.

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

Portable Audio

LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. In the event of a defect, these are your exclusive remedies.

Labor: For a period of ninety (90) days from the original date of purchase of the product ("Labor Warranty"), Sony will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Sony elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is in effect, it will do so for the applicable labor charge.

Parts: For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Sony will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in an enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss. A dated purchase receipt is required. For specific instructions on how to obtain warranty service for your product.

Visit Sony's Web Site:
www.sony.com/service
Or call the Sony Customer Information Service Center
1-800-222-SONY (7669)

For an accessory or part not available from your authorized dealer, call:
1-800-488-SONY (7669)

Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product. This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

DURATION OF IMPLIED WARRANTIES: 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. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

D 455714703

Microcassette™-Corder

Operating Instructions

M-100MC

© 1998 Sony Corporation Printed in China

<http://www.sony.net/>

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!

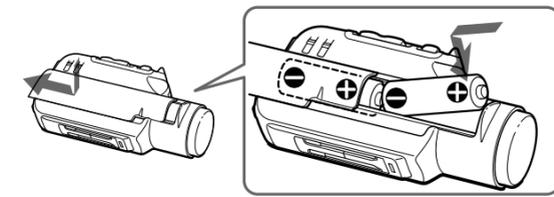
Thank you for purchasing the Sony Microcassette-Corder. Some features are:

- 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 tape (in the recording/playback mode only)
- Stop-pause-release function—The PAUSE switch is released automatically when the **■ ◀** button is depressed, so that you don't miss a recording chance.

Preparing Power Sources

Choose one of the following power sources.

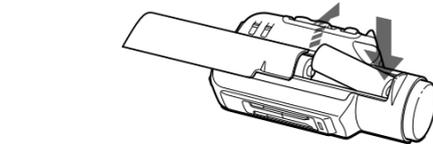
Dry Batteries



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

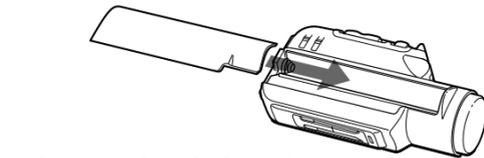
- 1 Open the battery compartment lid.
- 2 Insert two R6 (size AA) batteries with correct polarity and close the lid.

To take out the batteries



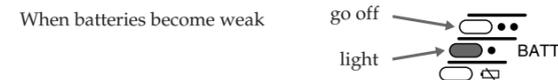
To attach the battery compartment lid, if it is accidentally detached

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:



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)

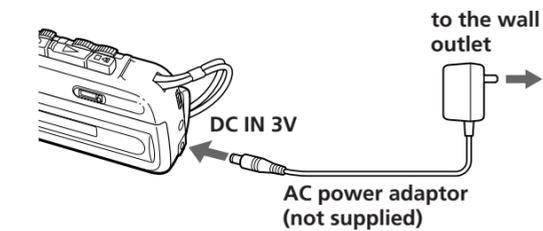
Batteries	Recording
Sony alkaline LR6 (SG)	16.0
Sony R6P (SR)	5.5

* Measured value by the standard of JEITA (Japan Electronics and Information Technology Industries Association) (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

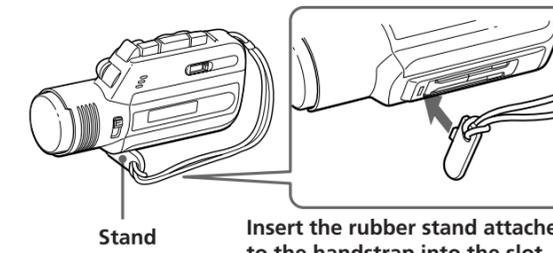
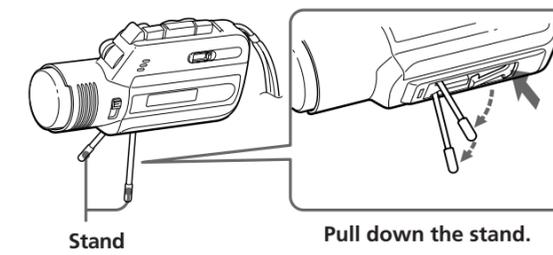


Note

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.

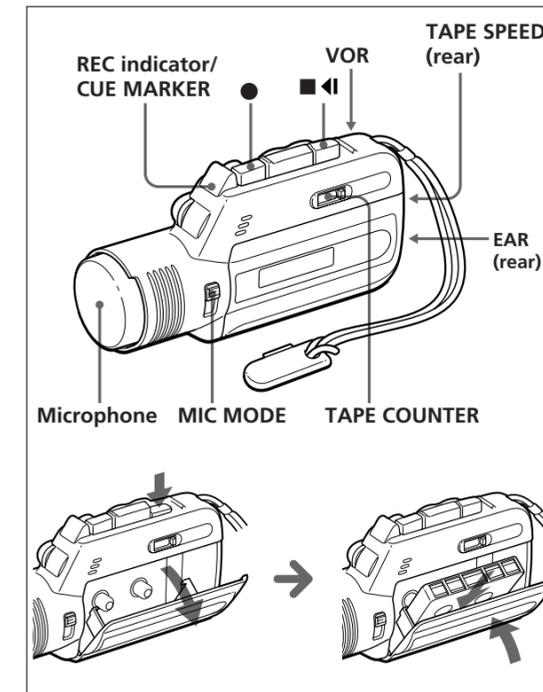


To attach the stand if it is accidentally detached

Attach it as illustrated.



Recording



- 1 Press the reset button of the TAPE COUNTER.
- 2 Press $\blacksquare \llcorner$ 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 \bullet .
 - 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	$\blacksquare \llcorner$
Start recording during playback	\bullet during playback (the unit becomes in the recording mode) The REC indicator lights.
Review the portion just recorded	Slide \blacktriangleright CUE/ \blacktriangleleft REVIEW toward \blacktriangleleft REVIEW during the recording. Release it at the point to start playback.
Pause recording	Slide \blacksquare PAUSE in the direction of the arrow. The REC and BATT indicators go off. To release pause recording, slide \blacksquare PAUSE in the opposite direction.
Take out a cassette	$\blacksquare \llcorner$

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

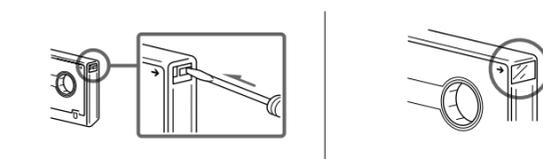


To monitor the sound

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.