

Microcassette™ -Corder

Operating Instructions Manual de instrucciones (en el reverso)

M-647V/645V/640V/545V/540V

Sony Corporation © 2001 Printed in China



Sony online http://www.world.sony.com/

For customers in the United States

Owner's Record

The model number is located at the bottom and the serial number is located inside the battery compartment. Record these numbers in the spaces provided below.

Model No. Serial No.

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

WARNING

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

About This Manual

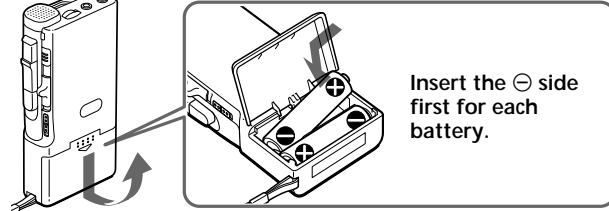
The instructions in this manual are for 5 models. The M-645V is the model used for illustration purposes.

Table with columns M-647V/645V/640V and M-545V/540V. Rows include TAPE COUNTER, MIC jack, BATT lamp, REC lamp, VOR, FAST PB, and Handstrap.

Preparing Power Sources

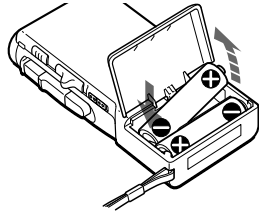
Choose one of the following power sources.

Dry Batteries



- Make sure that nothing is connected to the DC IN 3V jack. 1 Open the battery compartment lid. 2 Insert two size AA (R6) batteries with correct polarity and close the lid.

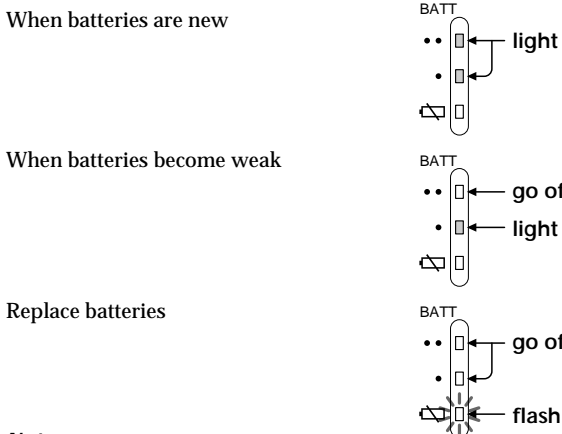
To take out the batteries



If the battery compartment lid is accidentally detached Attach it as illustrated.

When to replace the batteries

For M-545V/540V Replace the batteries with new ones when the REC/BATT lamp dims. For M-647V/645V/640V Replace the batteries with new ones when the BATT lamps go off and the VOR lamp flashes.



- Notes: The unit will play back normally for a while, even after the lamp flashes. However, replace the batteries as soon as you can. If you do not, the playback cannot be made with normal sound, noise may be recorded and the recorded sound will not be loud enough.

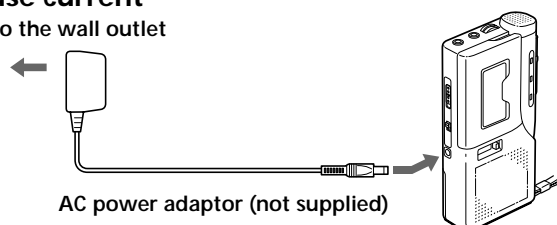
Battery life (Approx. hours)

Table with columns Batteries and Recording. Rows include Sony manganese R6P (SR), Sony alkaline LR6 (SG), and NC-AA (M-645V only).

* Measured valued by the standard of EIAJ (Electronic Industries Association of Japan) (Using a Sony Microcassette)

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

House current to the wall outlet



Connect the AC power adaptor to DC IN 3V and to a wall outlet. Use the AC power adaptor (supplied with M-645V only) or the AC-E30HG AC power adaptor (not supplied). Do not use any other AC power adaptor.

Polarity of the plug

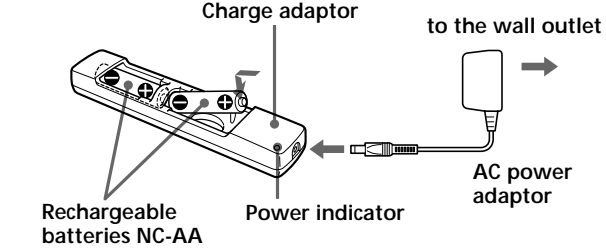


Note Specifications for AC-E30HG vary for each area. Check your local voltage and the shape of plug before purchasing.

Rechargeable batteries (supplied with M-645V only)

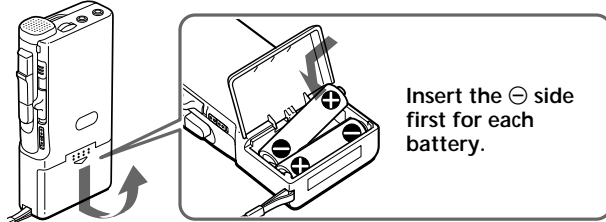
Charge the rechargeable batteries only with the supplied charge adaptor and the AC power adaptor. The rechargeable batteries can be charged approximately 500 times. Be sure to charge the rechargeable batteries for approximately 8 hours before using them.

To charge



The power indicator of the charge adaptor remains lit as long as power is supplied from the wall outlet.

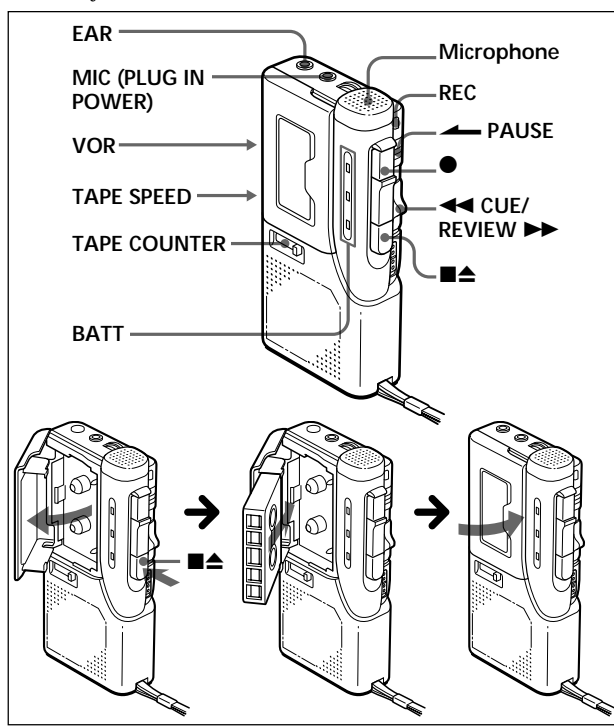
To use



- Notes: Use the supplied two rechargeable batteries only with the supplied charge adaptor. If there is distortion of sound or excessive noise, or if the unit does not operate properly, turn off the unit and recharge the two rechargeable batteries together.

Recording

Make sure that nothing is connected to MIC (M-647V/645V/640V only).



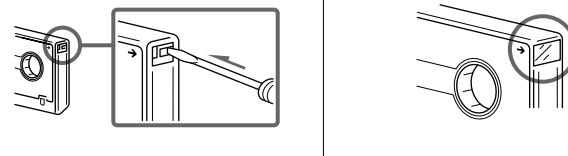
- 1 Press the reset button of the TAPE COUNTER. 2 Press [RECORD] and insert a standard microcassette with the side to start recording facing the lid. 3 Select the desired tape speed. 2.4 cm for optimum sound (recommended for normal use): A 30-minute recording can be made using both sides of the MC-30 microcassette. 1.2 cm for longer recording time: A 60-minute recording can be made using both sides of the MC-30 microcassette.

Table with columns To and Press or slide. Rows include Stop recording, Start recording during playback, Review the portion just recorded, Pause recording, and Take out a cassette.

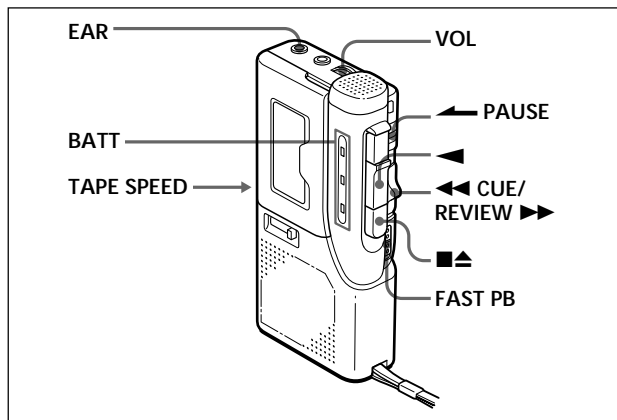
Note Select the 2.4 cm tape speed for recording, if you play back the recorded tape with another unit. Otherwise, the sound quality may be changed. Notes on VOR (Voice Operated Recording): The VOR system depends on the environmental conditions.

To monitor the sound Connect an earphone (not supplied) 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.



Playing a Tape



- 1 Insert a cassette with the side to start playing facing the lid. 2 Select the tape speed to the same speed as that used for recording. 3 Press [STOP] 4 Adjust the volume.

Table with columns To and Press or slide. Rows include Stop playback, Pause playback, Fast forward, Rewind, Search forward during playback, and Search backward during playback.

* If you leave the unit after the tape has been wound or rewound, the batteries will be consumed rapidly. Be sure to depress [STOP].

Note If the tape is completely wound or rewound while searching forward/backward during playback (CUE/REVIEW), the CUE/REVIEW switch may not return to the center position when you release the switch.

If you plug in headphones (not supplied) to the EAR jack, you will get monaural output from both left and right channels.

To increase the playback speed (M-647V/645V/640V only)

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.

Recording/Playback with the Connected Equipment (M647V/645V/640V only)

Recording from another tape recorder

Connect another tape recorder to the MIC jack using the RK-G64HG connecting cord (not supplied). Set this unit to the recording mode and another tape recorder to the playback mode. In this case set VOR to OFF.

Recording with an External Microphone

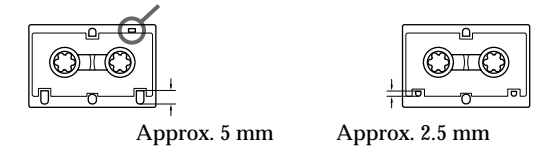
Connect a microphone to the MIC jack. M-647V for the United States : use the supplied microphone. Other models : use a microphone of low impedance (less than 3 kilohms) such as ECM-T6 (not supplied). When using a plug-in-power system microphone, the power to the microphone is supplied from this unit.

Note When recording with an external microphone, the VOR system may not work properly because of the difference in sensitivity.

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 size AA (R6) batteries. On the unit: Use only the MICROCASSETTE (standard microcassettes) with this unit.

Standard Only standard microcassettes have a small indentation of side A. Non-standard



- 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.

For the customers in the USA

RECYCLING NICKEL-CADMIUM BATTERIES

Nickel-Cadmium batteries are recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal.



RBRC (Rechargeable Battery Recycling Corporation) advises you about spent battery collection by the following phone number. Call toll free number: 1-800-822-8837 (United States only)

Caution: Do not handle damaged or leaking nickel-cadmium batteries. 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. - has been already pressed. Playback cannot be made. - The tape has reached the end. Rewind the tape. - The batteries are weak. Replace both batteries with new ones. - The head is contaminated. Recording cannot be made. - There is no cassette in the cassette compartment. - The cassette tab has been removed. - The batteries are weak. Replace both batteries with new ones. - The head is contaminated. - Improper setting of the VOR switch. Recording is interrupted. - The VOR switch is set to H or L. When you do not use VOR, set it to OFF.

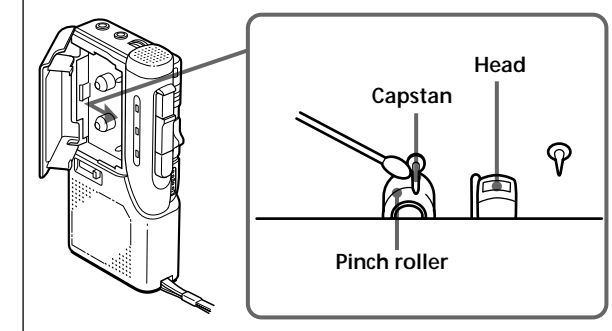
During CUE/REVIEW the tape stops or does not run. You cannot fast-forward or rewind. - The batteries are weak. Replace both batteries with new ones. The unit does not operate. - The batteries have been inserted with incorrect polarity. - The batteries are weak. Replace both batteries with new ones. - PAUSE is slid in the direction of the arrow. - The AC power adaptor 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".

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 (M-647V/645V/640V only) is slid in the direction of the arrow. Recording cannot be erased completely. - The head is contaminated.

Maintenance



To clean the tape head and path Press [STOP] 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. 3.6 cm (1 7/16 in.) dia. Tape speed 2.4 cm/s (1 5/16 ips), 1.2 cm/s (1 5/32 ips) Frequency range 300 - 4,000 Hz (with TAPE SPEED switch at 2.4 cm/s) Input (M-647V/645V/640V only) Microphone input jack (minijack/PLUG IN POWER) sensitivity 0.24 mV for 3 kilohms or lower impedance microphone Output Earphone jack (minijack) for 8 - 300 ohms earphone Power output (at 10% harmonic distortion) 250 mW Power requirements 3 V DC batteries size AA (R6) x 2/External DC 3V power sources Dimensions (w/h/d) Approx. 62.2 x 121.5 x 24.3 mm (2 1/2 x 4 7/8 x 3/4 in.) incl. projecting parts and controls Mass Approx. 125 g (4.5 oz) Supplied accessories AC power adaptor (1) (M-645V for the United States only) Battery charge adaptor (1) (M-645V for the United States only) Rechargeable batteries NC-AA, 1.2 V, 700 mAh, Ni-Cd (2) (M-645V for the United States only) Microcassette tape MC-30 (1) (M-647V for the United States and M-640V/540V for Europe only) Microcassette tape MC-30 (2) (M-545V for the United States only) Microcassette tape MC-30 (3) (M-545V for Canada and Europe only) Batteries R6P (SR) (2) (M-640V for Europe only) Alkaline batteries LR6 (2) (M-647V for the United States and M-545V only) Microphone (1) (M-647V for the United States only) Carrying pouch (1) (M-647V for the United States only)

Design and specifications are subject to change without notice.

This warranty is valid only in the United States.

