

SONY

3-754-871-61 (1)

MicrocassetteTM -corder

M-717V

Operating Instructions

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

Sony Corporation ©1992

Owner's Record

The model number is located at the rear and the serial number is located in the battery compartment. Record these numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. M-717V Serial No. _____

WARNING

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

Features

- Compact size and easy operation
- The FAST PB (fast playback) function is convenient to listen to the tape contents rapidly and economizes the playback time.
- VOR (Voice Operated Recording) system economizes on tapes, batteries and your time.
- You can start recording directly from the playback mode. This function is convenient to correct a previously recorded portion.
- Automatic shut-off mechanism (in the recording/playback mode only)
- The REC/BATT indicator indicates when to replace the batteries.

What is VOR (Voice Operated Recording) system?

With this system, recording starts only when sound is picked up and stops automatically when sound is no longer detected.

2

Precautions

On power sources

- **Operate the unit only on 3V DC.**

For battery operation, use **two size AA (R6) batteries**.

For AC operation, use the supplied AC power adaptor. Do not use any other type.

- When the internal batteries are not to be used for a long period of time, remove them to avoid damage caused by battery leakage and subsequent corrosion.

On location

- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Since a strong magnet is used for the speaker, keep personal credit cards using magnetic coding or spring-wound watches etc., away from the unit to prevent possible damage from the magnet.

On operation

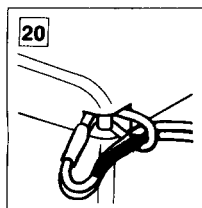
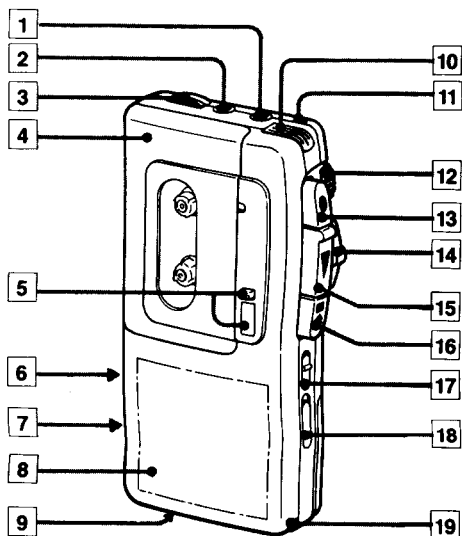
- **Use only the MICROCASSETTE™ with this unit.**
- If the unit has not been used for a long period of time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.
- Should any solid object or liquid fall into the unit, remove the batteries or disconnect the AC power adaptor, and have the unit checked by qualified personnel before operating it any further.
- Two tape speeds can be selected for recording with the TAPE SPEED switch: 2.4cm or 1.2cm.

Match the playback speed to the recording speed.

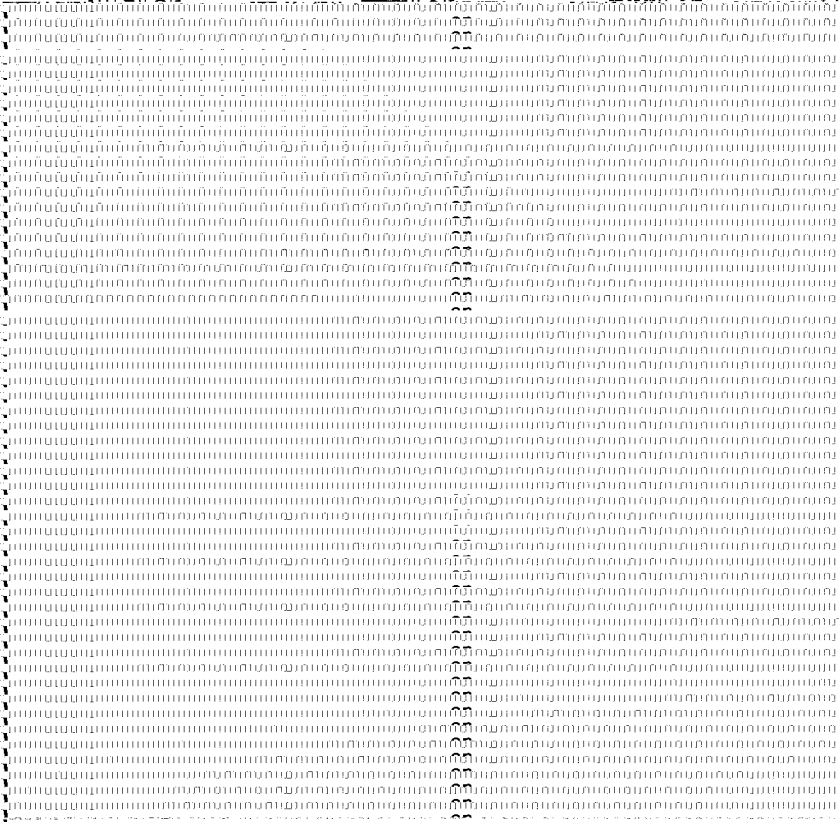
Select the 2.4cm tape speed for recording if you intend to play back the recorded tape with another unit. Otherwise, the recorded sound will be distorted.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult the nearest Sony dealer.

Parts Identification

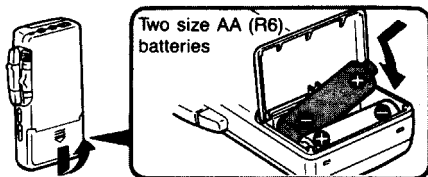


- | | |
|--|--|
| 1 EAR (earphone) jack | 11 REC/BATT
(recording/battery) indicator |
| 2 MIC (microphone) – PLUG IN
POWER jack | 12 PAUSE switch |
| 3 ▽ VOL (volume) control | 13 ● (recording) button |
| 4 Cassette holder | 14 ◀◀ CUE•fast forward/
▶▶ REVIEW•rewind control |
| 5 TAPE COUNTER and counter
reset button | 15 ◀ (playback) button |
| 6 TAPE SPEED (2.4cm/1.2cm)
switch (left side) | 16 ▶■ (eject/stop) button |
| 7 ◇—◇ DC IN 3V (external
power input) jack (left side) | 17 FAST PB (fast playback)
switch |
| 8 Speaker (built-in) | 18 VOR (Voice Operated
Recording) (OFF/L/H) switch |
| 9 Battery compartment (rear) | 19 Handstrap catch |
| 10 MIC (built-in microphone) | 20 Handstrap (supplied) |



Power Sources

Operating with Dry Batteries



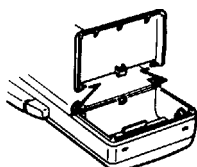
When to replace the batteries

When the batteries become weak, the REC/BATT indicator will glow faintly and the sound will become distorted or unstable. In this case, replace both batteries with new ones or when using the rechargeable batteries, recharge them.

For battery life, see "Specifications".

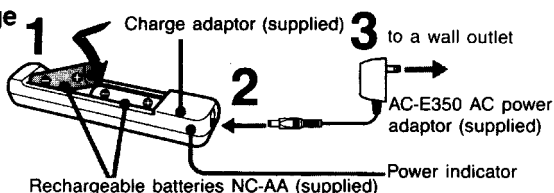
Note on the battery case

If the battery compartment lid is detached by an accidental drop, excessive force etc., attach it as illustrated.

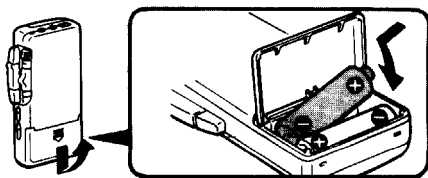


Operating with Rechargeable Batteries

To charge



To use



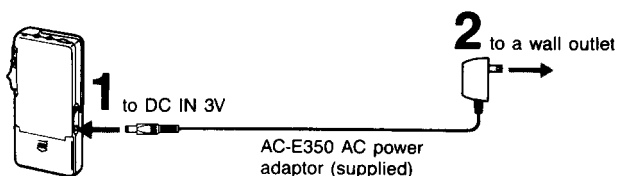
Charge the rechargeable batteries only with the supplied charge adaptor and the AC power adaptor.

Be sure to charge the rechargeable batteries for approximately 8 hours before using them. The unit can be used for recording for approximately 4 hours with the fully charged rechargeable batteries.

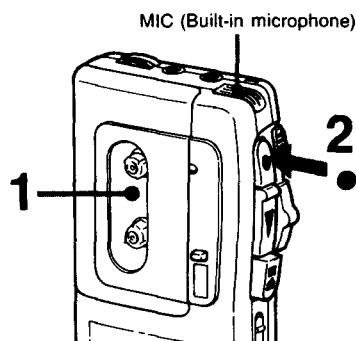
Notes

- Use the supplied two rechargeable batteries only with the supplied charge adaptor and AC power 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.
- The power indicator of the charge adaptor remains lit as long as power is supplied from the wall outlet.
- The rechargeable batteries will discharge even when not in use. Be sure to charge them before use.
- Recharge the two rechargeable batteries together. Otherwise, the charging cannot be done.
- Be sure to remove the rechargeable batteries from the charge adaptor to avoid overcharging (more than 20 hours) when charging has been completed.
- Charging and operation should be made in temperature ranges 5°C to 40°C (40°F to 104°F). The rechargeable batteries can be charged approximately 500 times.
- The charge adaptor will become warm during charging but this is not a sign of problem.
- Do not use or leave the charge adaptor in a location near heat sources or in a place subject to direct sunlight or excessive moisture.
- Unplug the AC power adaptor from the wall outlet when it is not to be used for a long period of time.
- Do not attempt to charge dry batteries.

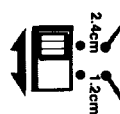
House Current Operation



Recording with the Built-in Microphone



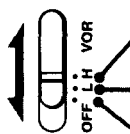
To select the desired tape speed



For optimum sound (recommended for normal use)
A 60-minute recording can be made using both sides of the MC-60 Microcassette.

For longer recording time
A 120-minute recording can be made using both sides of the MC-60 Microcassette.

Recording only when the sound is picked up (VOR system)



VOR will operate even at a low sound level (Recommended for conferences etc.)

VOR will operate only at a high sound level (Recommended for dictations etc.)

For normal recording

Quick review function

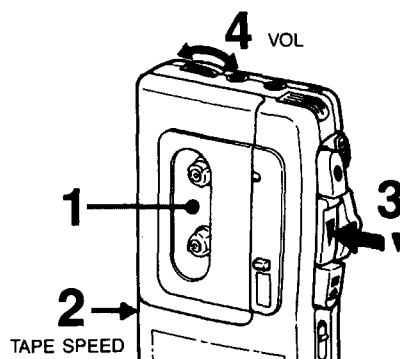
Simply push up the ◀◀ CUE/▶▶ REVIEW control towards ▶▶ REVIEW while recording.

When the control is released, playback will begin for review of the recorded material.

To monitor the recorded sound

You can monitor the recording sound through the earphone (not supplied). (You cannot adjust the monitor volume.)

Playback



Set it to the same tape speed as that used for recording.

To advance the tape rapidly, slide the ◀◀ CUE/▶▶ REVIEW control to ◀◀ CUE.

To rewind the tape rapidly, slide the ◀◀ CUE/▶▶ REVIEW control to ▶▶ REVIEW.

To skip over or repeat a certain portion during playback

Keep the ◀◀ CUE/▶▶ REVIEW control pushed up or down with the ◀ button depressed. When the ◀◀ CUE/▶▶ REVIEW control is released, playback will begin.

To start recording directly from the playback mode

During playback, simply depress the ● button and the unit will immediately change to the recording mode.

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.

When the earphone is plugged in

The speaker will be automatically disconnected.

To stop the tape

Press the I■ button.

To stop the tape momentarily in the recording or playback mode

Slide the PAUSE switch in the direction of the arrow. The pause indicator (orange) will appear.

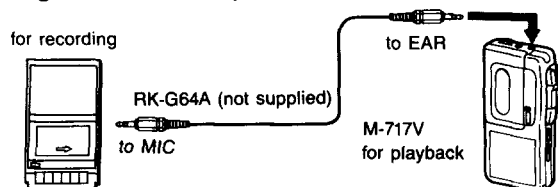
At the end of the tape

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

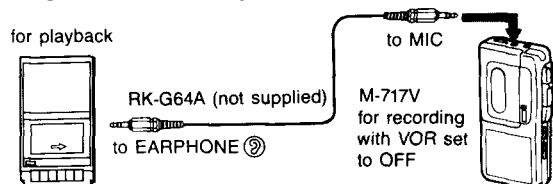
After advancing or rewinding the tape until its end, be sure to press the I■ button to release the ◀◀ CUE/▶▶ REVIEW control.

Recording/Playback with the Connected Equipment

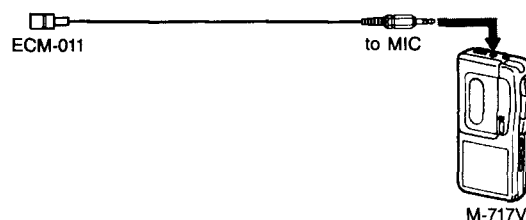
Dubbing onto another tape recorder



Recording from another tape recorder



Recording with an external microphone



- The built-in microphone will be automatically deactivated.
- When connecting an electret condenser microphone with "Plug-in power" system, the power is supplied from the MIC-PLUG IN POWER jack of this unit, and you do not have to insert a battery in the microphone.

Troubleshooting Guide

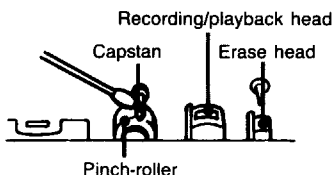
Should any problem persist after you have made these checks, consult your nearest Sony service facility.

Trouble	Cause and/or solution
Cassette cannot be inserted.	• Cassette is inserted improperly. ⇒ See "Cassette Insertion". • The ◀ button is depressed.
The ● button cannot be depressed.	• No cassette in the cassette holder • The inserted cassette has had the tabs removed. ⇒ See "Cassette Insertion".
The ● or ◀ button cannot be locked.	• The tape is completely rewound towards the direction of the arrow on the cassette holder. • After the automatic shut-off, the PAUSE switch is on. ⇒ Slide the PAUSE switch in the opposite direction of the arrow.
The ● or ◀ button is locked, but playback/recording does not start.	• Slide the PAUSE switch in the opposite direction of the arrow. • Incorrect polarity of batteries • Weak batteries
No sound from the speaker	• The earphone is plugged in. • The VOL control is turned down completely.
Weak or distorted sound	Weak batteries
Sound drop-outs, loss of high frequencies or excessive noise	Dirty heads ⇒ See "Maintenance".
Tape speed is excessively fast or slow while playback.	Improper setting of the TAPE SPEED switch ⇒ Set it to the same tape speed as that used for recording.
Recording cannot be made or is unsatisfactory.	• Weak batteries • Dirty heads ⇒ See "Maintenance". • Improper setting of the VOR switch ⇒ Set it to "H" or "OFF".
Unsatisfactory erasing	Dirty erase head ⇒ See "Maintenance".
Tape speed is faster than the normal playback speed.	Slide the FAST PB switch in the opposite direction of the arrow.

Maintenance

Cleaning the heads

Clean the tape heads after every 10 hours of use to enjoy optimum sound. Moisten a cotton swab or a soft cloth with alcohol and wipe the parts shown in the illustration.



Cleaning the casing

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

Specifications

Tape	MICROCASSETTE™ (normal position type)
Recording system	2-track 1-channel monaural
Speaker	Approx. 3.6 cm ($1\frac{7}{16}$ inches) dia.
Tape speed	2.4 cm/s ($1\frac{5}{16}$ ips), 1.2 cm/s ($1\frac{5}{32}$ ips)
Frequency response	250 – 4,000 Hz (at 2.4cm position)
Input	Microphone jack (minijack) (PLUG IN POWER) sensitivity 0.4 mV for 3 kilohms or lower impedance microphone
Output	Earphone jack (minijack) for 8 – 300 ohms earphone
Power output	160 mW (at 10 % harmonic distortion)
Battery life (recording)	Sony SUM-3 (NS): Approx. 6 hours Sony AM3 (N): Approx. 14 hours
Power requirements	3 V DC, two size AA (R6) batteries DC IN 3V jack accepts: • Sony AC-E350 AC power adaptor (supplied) for use on 120 V AC, 60 Hz • Sony DCC-E130L car battery cord (not supplied) for use with 12 V car battery.
Dimensions	Approx. 66 × 119.5 × 26.1 mm (w/h/d) ($2\frac{5}{8}$ × $4\frac{3}{4}$ × $1\frac{1}{16}$ inches) incl. projecting parts and controls
Weight	Approx. 160 g (5.6 oz.) incl. batteries
Accessory supplied	Handstrap (1), Battery charge adaptor (1), Rechargeable batteries (2), AC power adaptor (1)

Design and specifications subject to change without notice.

Optional accessories

Microcassette MC-30, MC-60, 3MC-60

Earphone ME-81, ME-L82

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

Electret condenser microphone ECM-011

Car battery cord DCC-E130L

Note on the AC power adaptor

Use only the AC-E350 AC power adaptor (supplied).
Do not use any other AC power adaptor.



Polarity of the plug
(Unified polarity type)

SONY.

AUDIO TAPE RECORDER
COMPACT DISC COMPACT PLAYER
ELECTRONIC STILL VIDEO CAMERA
AND PLAYBACK ADAPTOR

LIMITED WARRANTY

SONY CORPORATION OF AMERICA ("SONY") warrants this product against defects in material or workmanship, as follows:

1. For a period of 90 days from the date of purchase, SONY will pay the labor charges of your SONY authorized service facility to repair the defective product. After this 90-day period, you must pay for all labor charges.
2. In addition, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the original date of purchase.

Labor and Parts

To obtain warranty service during the initial 90-day period, you must take the product, or deliver the product prepaid, to a SONY authorized service facility.

Parts Only

During the remainder of the warranty period, any defective part will be replaced if it is taken, or delivered prepaid, to a SONY service center. Labor for removal and installation is available from your SONY authorized service facility or SONY service center, at your expense.

This warranty does not cover cosmetic damage, and damage due to acts of God, accident, misuse, abuse or negligence to the product, including the antenna. This warranty is valid only in the United States of America.

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 valid only if the serial number appears on 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 SM 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 also have other rights which vary from state to state.

For your convenience, Sony Corporation of America has established the Customer Information Center to supply you with product or service information.

Important: if returning product for service, please see reverse side of this card for your nearest Sony Service Center.

SONY CUSTOMER INFORMATION CENTER

201-930-SONY (7669)

714-821-SONY (7669)

708-250-SONY (7669)

or write to:

Sony Customer Information Center

Sony Drive, Mail Drop #T1-11

Park Ridge, NJ 07656

SONY CORPORATION OF AMERICA

Sony Drive, Park Ridge, New Jersey 07656

Sony Service Centers

Arizona Phoenix 2240 North Scottsdale Road Tempe, AZ 85281 (602) 949-7669	Hawaii Honolulu 950 Mapunapuna Street Honolulu, HI 96819 (808) 634-6622	Missouri St. Louis 12482-D Natural Bridge Road Bridgeton, MO 63044 (314) 291-2201
California Burbank (Los Angeles area) 4100 Riverside Drive, Suite A Burbank, CA 91505 (818) 842-7669 Costa Mesa (Orange County area) 2729 Bristol Street South Costa Mesa, CA 92626 (714) 549-4833 San Bruno (San Francisco area) 751 Camino Plaza San Bruno, CA 94086 (415) 871-2810 San Diego 8975 Complex Drive San Diego, CA 92123 (619) 279-2724 San Jose 1359 Old Oakland Road San Jose, CA 95112 (408) 280-7669	Illinois Chicago 1730 West Fullerton, Suite 4 Riverpoint Shopping Center Chicago, IL 60614 (312) 929-8585 Niles (Chicago N.W.) 7540 North Caldwell Avenue Niles, IL 60048 (708) 647-2400 Westmont (Chicago S.W.) 6036-38 South Cass Avenue Westmont, IL 60059 (708) 969-0049 Kansas Kansas City 11712 West 95th Street Overland Park KS 66214 (913) 888-2622 Maryland (Washington D.C.) Washington D.C. 5300 Sunnyside Avenue Beltsville, MD 20705 (301) 595-1618 Massachusetts Boston 390 University Avenue 128 Westwood Industrial Center Westwood, MA 02090 (617) 329-5130 Michigan Detroit 43304 Eleven Mile Road Novi, MI 48060 (313) 344-4044 Minnesota Minneapolis 4300 W. 36 1/2 Street St. Louis Park, MN 55416 (612) 920-8000	New York Mahwah (N.Y. Metropolitan Area) 386 Route 17 South Mahwah, NJ 07430 (201) 529-1655 Union Bradlees Shopping Center US Highway 22 At Morris Avenue Union, NJ 07083 (201) 687-5555 Ohio Cleveland 6370 York Road Parma Heights, OH 44130 (216) 845-7669 Pennsylvania Philadelphia 651 Park Avenue King of Prussia, PA 19406 (215) 768-8850 Pittsburgh Wexford Plaza 10610 Perry Highway (Rt. 19N) Wexford, PA 15090 (412) 935-8486 Texas Dallas 401 Preston Valley Shopping Center Dallas, TX 75230 (214) 661-3537 Houston 7639 Westheimer Houston, TX 77063 (713) 783-8761 Washington Seattle 835 Fidalgo Seattle, WA 98108 (206) 762-6500

Sony District Service Offices

Western Zone Western District Sony Service Company 2729 Bristol Street South Costa Mesa, CA 92626 (714) 549-4836 Northwestern District Sony Service Company 1359 Old Oakland Road San Jose, CA 95112 (408) 280-7675 Southeastern District Sony Service Company 3201 Premier Dr., Suite 100 Irving, TX 75063 (214) 550-5270	Central Zone Mid-West District Sony Service Company 1200 N. Arlington Heights Rd. Itasca, IL 60143 (708) 773-7866 East Central District Sony Service Company 28200 Town Center Drive, Suite 300 Nov, MI 48050 (313) 347-2251	Eastern Zone Eastern District Sony Service Company 386 Route 17 South Mahwah, NJ 07430 (201) 529-1616 Mid-Atlantic District Sony Service Company 651 Park Avenue King of Prussia, PA 19406 (215) 768-8845 Southeastern District Sony Service Company 120 Interstate North Parkway East Suite 414 Atlanta, GA 30339 (404) 953-6858
---	---	---