

SONY

3-753-019-22 (1)

Cassette Player

WM-EX50

Operating Instructions

Owner's Record

The model number is located at the rear and the serial number is located inside the cassette holder. 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. WM-EX50 Serial No. _____

WARNING

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

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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 the 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 or 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.

SONY CUSTOMER INFORMATION CENTER
201-930-SONY (7668)
714-821-SONY (7668)
768-250-SONY (7668)

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

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna

Relocate the equipment with respect to the receiver

Move the equipment away from the receiver

Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

Sony Service Centers

Arizona 2340 North Scottsdale Road Tempe, AZ 85281 (602) 948-7668	Hawaii Maui 950 Maunaloa Street Honolulu, HI 96818 (808) 834-6622	Missouri St. Louis 12482-G Watson Bridge Road Braggton, MO 63044 (314) 281-2201
California Burbank 1640 Angeleno Blvd 4100 Riverside Drive, Suite A Burbank, CA 91508 (818) 842-7688 Costa Mesa (Orange County area) 2728 Great Street South Costa Mesa, CA 92626 714) 648-8833 San Bruno (San Francisco area) 781 Camino Plaza San Bruno, CA 94066 (415) 871-2810 San Diego 8978 Camille Drive San Diego, CA 92123 (619) 279-2724 San Jose 1258 Old Oakland Road San Jose, CA 95112 (408) 280-7688	Illinois West (Chicago area) 6038-38 South Cass Avenue Westmont, IL 60558 (312) 983-0048 Kansas Kansas City 1712 West 95th Street Overland Park KS 66214 (913) 886-2622 Maryland (Washington DC.) Washington DC. 1288 Hanson Lane Langley Park, MD 20783 (301) 438-3600/01	New Jersey Morristown 6111 Metropolitan Area 388 Route 17 South Morristown, NJ 07930 (201) 526-1656 Ohio Cleveland 4370 York Road Parma Heights, OH 44130 (216) 645-7688 Pennsylvania Philadelphia 891 Park Avenue King of Prussia, PA 19406 (215) 788-8840 Pittsburgh Worland Plaza 10610 Perry Highway #1c, 1946 Westfield, PA 15090 (412) 838-8468
Colorado Denver Havana Plaza Center 10740 East 18th Avenue Aurora, CO 80014 (303) 758-7688	Massachusetts Boston 380 University Avenue 128 Westwood Industrial Center Westwood, MA 02090 (617) 328-6130	Texas Dallas 401 Preston Valley Shopping Center Dallas, TX 75230 (214) 961-3527 Houston 5747 Richmond Avenue Houston, TX 77057 (713) 783-8761
Florida Fort Lauderdale 2850 North 28th Street Highwood, FL 33020 (305) 930-8800	Michigan Detroit 43304 Seven Mile Road New, MI 48060 (313) 344-8044	Washington Seattle 835 Feltz Seattle, WA 98108 (206) 782-8500
Georgia Atlanta 125 Interstate North Parkway East Suite 410 Atlanta, GA 30339 (404) 953-9871	Minnesota Minneapolis 4300 W. 38 th Street St. Louis Park, MN 55416 (612) 920-9000	

Sony District Service Offices

Western Zone Western District Sony Service Company 3728 Bristol Street South Costa Mesa, CA 92629 (714) 548-8238 Northwestern District Sony Service Company 1258 Old Oakland Road San Jose, CA 95112 (408) 280-7678 Southwestern District Sony Service Company 2201 Pioneer Dr., Suite 100 Irving, TX 75062 (214) 850-5270	Central Zone Midwest District Sony Service Company 7540 North Catalina Avenue Minneapolis, MN 55418 (312) 647-2424 East Central District Sony Service Company 26200 Town Center Drive Suite 302, New, MN 55050 (313) 347-2311	Eastern Zone Eastern District Sony Service Company 388 Route 17 South Morristown, NJ 07930 (201) 526-1616 Mid-Atlantic District Sony Service Company 891 Park Avenue King of Prussia, PA 19406 (215) 788-8845 Southeastern District Sony Service Company 125 Interstate North Parkway East Suite 410 Atlanta, GA 30339 (404) 953-9878
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Precautions

Notes on battery

- Remove the battery when you will not use the unit for a long time to prevent damage from battery leakage and corrosion.
- When the sound becomes unstable, try a new battery.

Handling the rechargeable battery

Recharge when the sound becomes noisy or distorted.

External power sources

The following external power sources can be connected through the DC IN 1.5 V jack.

- House current using an AC-E15L AC power adaptor
 - 12 V car battery using a DCC-E115L car battery cord
- The illustration shows the polarity of DC IN 1.5 V jack. Use only a power cord having the same polarity.



Handling your Walkman

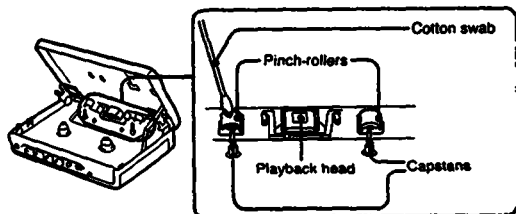
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust, or mechanical shock. Never leave the unit in a car parked in the sun.
- You should run the unit for a few minutes before inserting a cassette if it has not been used for a long time.
- We do not recommend the use of cassettes longer than 90 minutes.

About the earphones

- Avoid playing your WALKMAN at so loud a volume that extended play might affect your hearing.
- At a high volume outside sounds may become inaudible. Avoid listening to your WALKMAN in situations where hearing must not be impaired, for example, while driving or cycling.
- If your earphones are of open-air design, sounds go out through them. Remember not to disturb those close to you.

Maintenance

- Prolonged use may contaminate the tape head. If the sound drops out or excessive noise occurs, clean the head and tape path shown below with alcohol.
- Clean your headphone plug periodically for optimum sound.
- Do not use alcohol, benzene, or thinner to clean the case.



If you have any question or problem concerning your unit, please consult your nearest Sony dealer.

Specifications

Power requirements	1.5 V DC size AA (R6) battery x 1 NC-6WM rechargeable battery DC 1.5 V jack accepts/Sony AC-E15L AC power adaptor (not supplied) for use on 120V, 60Hz	
Battery life (approximate hours)	Sony alkaline AMS (N)	7 hrs.
	Rechargeable NC-6WM	3 hrs.
Accessories supplied	Stereo headphones (open-air type, 1)/Battery charger (1) Rechargeable battery (1)/Carrying case (1)/Lithium battery (1)	
Optional accessories*	Rechargeable battery NC-6WM/AC power adaptor AC-E15L Car battery cord DCC-E115L	

*Your dealer may not handle these optional accessories. Please ask the dealer for detailed information.

Design and specifications subject to change without notice.

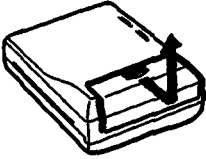
Note on stereo headphones

The cord of the headphones is detachable. If the cord becomes detached, reconnect it as illustrated.

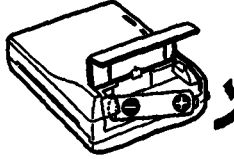


Using with a Battery

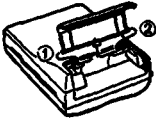
1



2



Size AA (R6) battery



Note

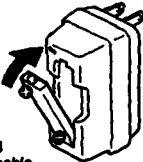
If the battery compartment lid is detached by accident, attach it as illustrated.

Using with a Rechargeable Battery

Use only the supplied battery charger. Otherwise, the battery will be damaged. The supplied rechargeable battery can be recharged approx. 300 times. Charge the battery for approx. 5.5 hours before use.

1

Supplied battery charger

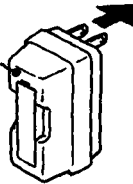


Supplied rechargeable battery

2

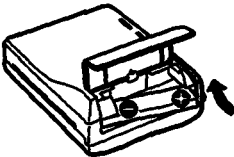
to a wall outlet

CHARGE indicator.

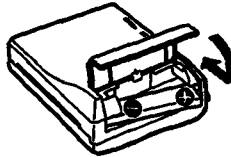


Charge the rechargeable battery for approx. 5.5 hours.

3



4

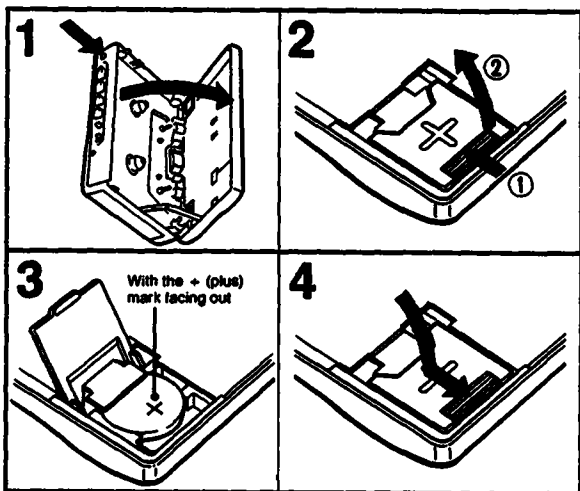


Notes

- Unplug the battery charger from the wall outlet after the battery is charged (for approximately 5.5 hours). Overcharging (for more than 20 hours) may damage the battery.
- The CHARGE indicator lights as long as the charger is plugged in.

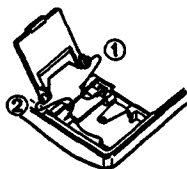
Inserting a Lithium Battery

Before operation, be sure to install a lithium battery (supplied). With the battery installed, this unit powers the clock and displays the tape operation indications in the LCD display window during the tape playback.



Note

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



Lithium battery life

Approximately one year and a half in normal operation.

If the lithium battery becomes weak, the letters on the display will become indistinct. In this case, replace the battery with a Sony CR2025 lithium battery. Use of another battery may cause a risk of fire or explosion. After replacing the battery, reset the clock.

Cautions

- Keep the lithium battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.
- Before use, wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not break up the battery or throw it into a fire because it may explode. Carefully dispose of the used batteries.

Warning

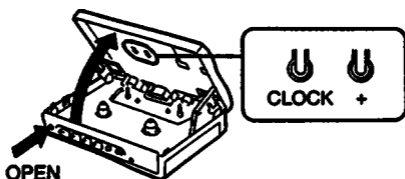
Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

Setting the Clock

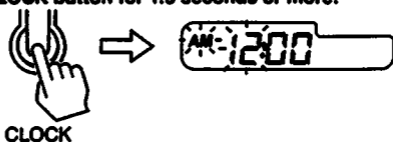
Before setting the clock, be sure that the clock indication appears in the LCD display window.

Ex. To set to 1:15 p.m.

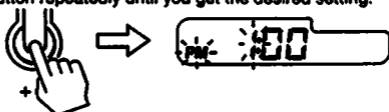
1 Press the OPEN button.



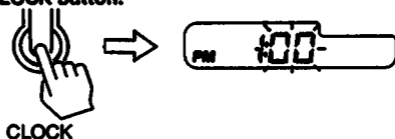
2 Press the CLOCK button for 1.5 seconds or more.



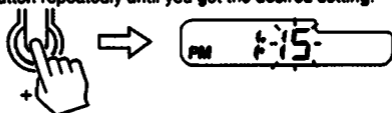
3 Set the hour.
Press the + button repeatedly until you get the desired setting.



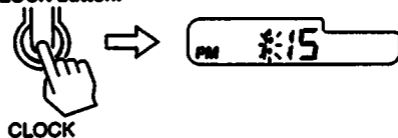
4 Press the CLOCK button.



5 Set the minute.
Press the + button repeatedly until you get the desired setting.



6 Press the CLOCK button.



Notes

- The hour display is in the 12-hour system.
- If you keep pressing the + button, the digits advance in sequence.
- The hour display does not advance even when the minute indication returns to "00" after "59".

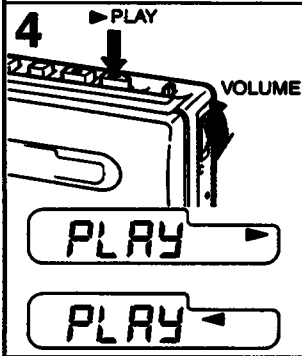
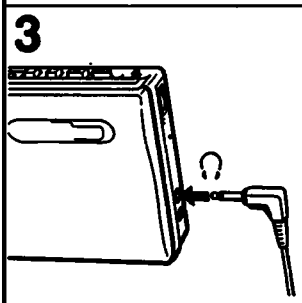
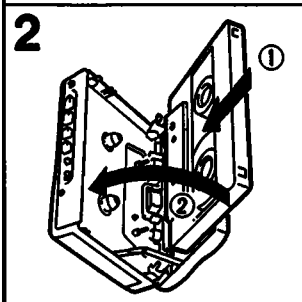
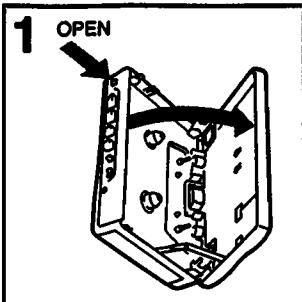
To change the hour only

Follow steps 1-3, then press the CLOCK button twice. (During this operation the minutes and the seconds do not advance.)

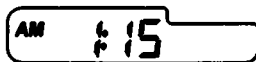
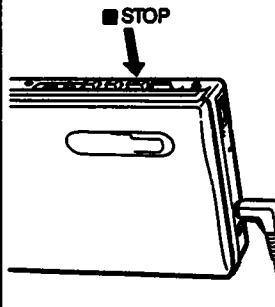
To change the minute only

Follow steps 1-6 but skip step 3. (During this operation the seconds advance.)

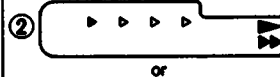
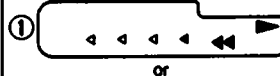
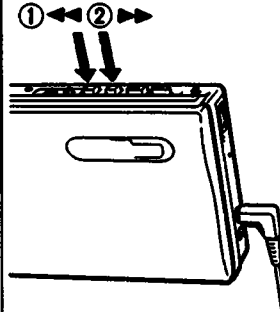
Tape Playback



To stop the tape



To wind the tape rapidly



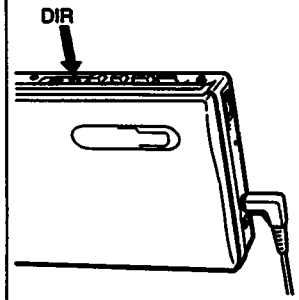
Notes

- Be sure to press ■ to release ▶▶ or ◀◀ at the tape end of each direction.
- If you press ▶▶ and ◀◀ simultaneously, ◀, ▶ and ◀◀, ▶▶ flash in the LCD display window.

If the display shows the incorrect information

Remove the lithium battery. After 30 seconds or more, replace the battery and resume operation.

To listen to the other side of the tape



MEGA BASS Listening to powerful and heavy sound

Set MEGA BASS to the desired position. Bass is boosted in the order of NORM, MID and MAX.



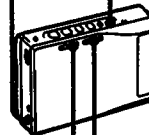
While playing back hard and stressed sound with MEGA BASS set to MAX, the sound may be distorted. In this case, set MEGA BASS to NORM or MID.

MODE On playback operation

Playing back both sides of the cassette once
When the playback starts from the reverse side of the cassette, the unit will be shut off at the end of that side.



Playing back both sides of the cassette repeatedly



TAPE

DOLBY NR Getting the best performance from your tape

For Dolby NR processed tapes



For normal (TYPE I) tapes



For CrO₂ (TYPE II) or metal (TYPE IV) tapes



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

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