

SONY

3-756-428-22 (1)

WALKMAN

Radio Cassette Player

WM-FX21/22/23/24

Operating Instructions

WALKMAN is a trademark of Sony Corporation.

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Printed in Malaysia

OWNER'S RECORD

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

Model No. _____

Serial No. _____

WARNING

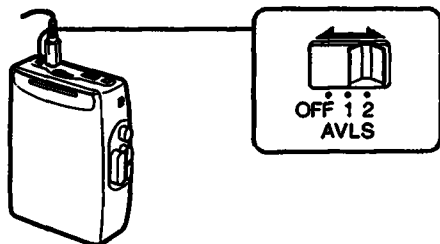
To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Featuring

AVLS (Automatic Volume Limiter System)

The AVLS selector allows you to limit the maximum volume of your WALKMAN personal stereo without degrading the sound quality.

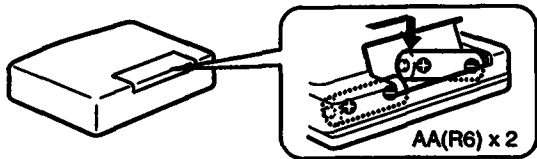
- When the AVLS selector is set to either position 1 or 2 (around 95 dB, 85 dB respectively), the volume will be kept at a moderate level without the degradation of the sound quality, even if you attempt to turn the volume up higher.
- When the AVLS selector is set to either position 1 or 2, the playback sound may be distorted or unstable according to the music (especially bass boosted part). If this happens, turn down the volume.
- When the AVLS selector is turned off, you will be able to enjoy the full volume capability of your WALKMAN personal stereo.



Getting Started

Using with Batteries

Insert two AA (R6) batteries in correct polarity.



Notes

- When you are not going to use your Walkman for a long time, remove the batteries to prevent damage from battery leakage and corrosion.
- When the sound becomes unstable, replace the old batteries with new ones.

Using External Power Sources

You can connect the following external power sources through the DC IN 3 V jack located on the bottom. (When you plug a cord into the DC IN 3 V jack, the internal batteries are automatically bypassed.)

- House current using an AC-E30L AC power adaptor
- 12 V car battery using a DCC-E130L car battery cord

Note

Use only the recommended AC-E30L AC power adaptor (not supplied). Do not use any other AC power adaptor.



Polarity of the plug

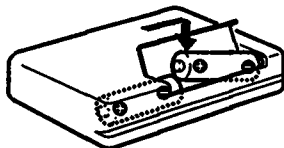
Using With a Rechargeable Battery (FX22 only)

Before using, charge the rechargeable battery with the supplied charger. With the rechargeable battery, a tape can be used for 2.5 hours and the radio for 9.5 hours in a one-time charge.

Charging time varies according to the remaining amount of power (approx. 4 hours).



Open the battery compartment lid and insert the rechargeable battery after charging.

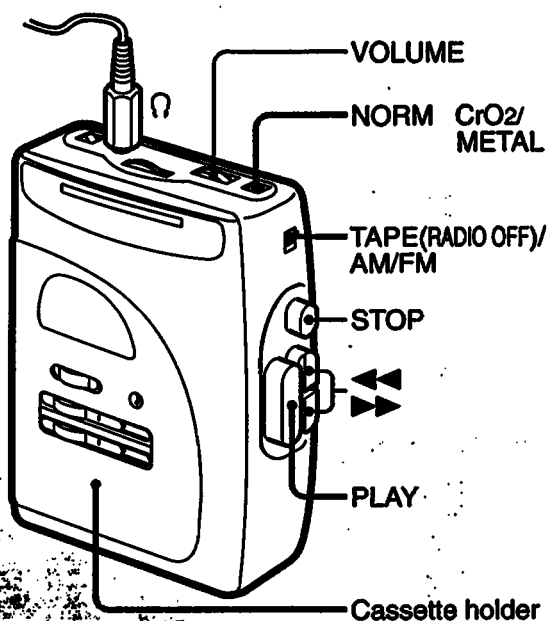


Notes

- The name plate indicating operating voltage, power consumption, etc. is located on the bottom exterior of the charger.
- The battery may become warm during charging.
- Use only the rechargeable battery NC-AA (WM) with the supplied battery charger.
- Do not short circuit the battery connecting points of the unit when the rechargeable battery is installed.
- If the rechargeable battery is new or it has not been used for a long time, it may not be charged completely. (The playing time is shorter.)

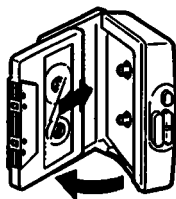
The battery will be charged completely after it is used several times.

Playing Cassettes



FX24

- 1 Insert a cassette.



- 2 Set the TAPE/AM/FM selector to TAPE.



- 3 Select NORM or CrO₂/METAL mode to match the tape type.



- 4 Press PLAY.



Operating the Cassette Player

To stop	Press ■STOP.
To wind the tape	Press ►► or ◄◄.
To adjust the volume	Set the VOLUME control.

Notes on playing cassettes

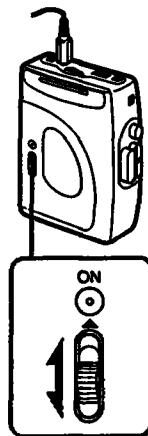
- Do not use cassettes longer than 90 minutes except for long continuous playback.
- If your Walkman has not been used for a long time, run the Walkman for a few minutes before inserting a cassette.
- Avoid winding the headphones cord around the Walkman. The buttons may be kept pressed, causing unnecessary battery usage. (FX24)

Using MEGA BASS (FX23/24 only)

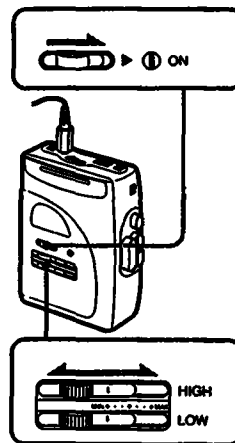
Set the MEGA BASS switch to ON to produce deep and powerful sound.

And set the HIGH and LOW control to adjust the tone level. (FX24)

FX23



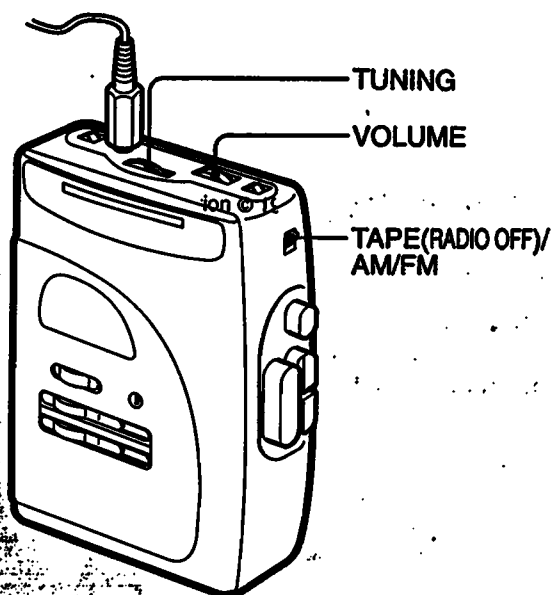
FX24



Note

If the AVLS selector is set to 1 or 2, the MEGA BASS effect is reduced.

Listening to the Radio



FX24

- 1 Set the TAPE/AM/FM selector to AM or FM.



- 2 Tune in the desired station.



To turn off	Set the TAPE/AM/FM selector to TAPE.
To adjust the volume	Set the VOLUME control.

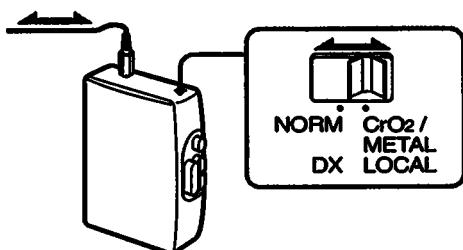
Note

If you have inserted a cassette with a metallic shell or label and radio reception interference occurs, remove the cassette.

Improving Radio Reception

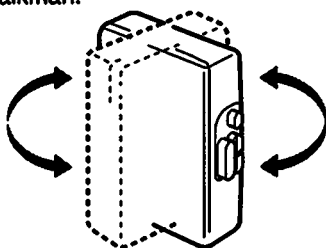
Improving FM reception

Extend the headphones cord or adjust the DX/LOCAL selector.



Improving AM reception

Rotate the Walkman.

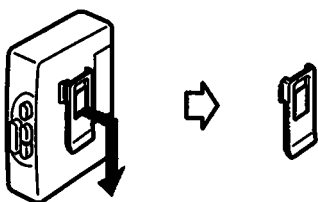


Using the Belt Clip

With the supplied belt clip, you can wear your Walkman on a belt for convenient use.

Removing the belt clip

Lift the tab slightly and push down with your finger to remove the belt clip from the Walkman.



Attaching the belt clip

Align the belt clip with the grooves on the back of the Walkman and slide the belt clip up until you hear a click, to firmly attach it to the Walkman.



Precautions

Notes on headphones

Road Safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

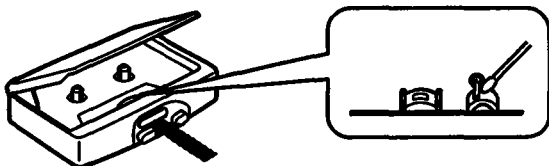
Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Taking Care of Your Walkman

- Avoid exposing the Walkman to extreme temperatures, direct sunlight, moisture, sand, dust or mechanical shock. Never leave the Walkman in a car parked in the sun.
- Prolonged use may contaminate the tape head. If sound drop-out or excessive noise occurs, clean the head and tape path with alcohol.



- Clean the headphones plug periodically for optimum sound.
- Do not use alcohol, benzine or thinner to clean the case.

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

Specifications

Radio Frequency

FM: 87.6 – 108 MHz

AM: 530 – 1,710 kHz

Power Requirements

3 V DC Batteries AA (R6) x 2

External DC 3 V power sources

Battery Life

(approximate hours when using the batteries specified below)

Battery	Playback	Radio
Sony Alkaline AM3 (N)	7 hours	30 hours
Sony SUM-3 (NS)	3.5 hours	15 hours
Rechargeable battery NC-AA (WM) (Full charge)	2.5 hours	9.5 hours

Supplied Accessories

- Stereo headphones (1)
- Belt clip (1)
- Rechargeable battery (2) (FX 22 only)
- Battery charger (1) (FX 22 only)

Optional Accessories

- AC power adaptor AC-E30L
- Car battery cord DCC-E130L

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications are subject to change without notice.

Battery Life

(approximate hours when using the batteries specified below)

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(approximate hours when using the batteries specified below)

SONY LIMITED WARRANTY

SONY ELECTRONICS INC. ("SONY") warrants this product against defects in material or workmanship, as follows:

1. For a period of 90 days from the date of retail purchase, SONY shall at its sole and absolute option either repair the defective product at no charge or replace the defective product with the same model or its equivalent model at no charge through a SONY SERVICE CENTER.

To obtain warranty service during the initial 90-day period, you must take the product, or deliver the product prepaid, to one of the SONY SERVICE CENTERS located in the United States.

2. After the initial 90-day period, SONY will supply, at no charge, new or rebuilt replacements for defective parts for a period of 1 year from the date of retail purchase.

Labor for removal and installation of these parts is available from your SONY authorized service facility or SONY SERVICE CENTER, at your expense.

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

This warranty does not cover cosmetic damage, and damage to any part of the product, including the antenna, which results from acts of God, accident, misuse, abuse, improper maintenance, or connection to an improper voltage supply.

This warranty is valid only if the serial number appears on the product. This warranty is valid only in the United States of America.

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 also have other rights which vary from state to state.

Please refer to the list of SONY SERVICE CENTERS on the reverse side for the SONY SERVICE CENTER nearest you.

For your convenience, Sony Electronics Inc. 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

201-830-SONY (7688)

714-821-SONY (7688)

708-208-SONY (7688)

or write to:

SONY CUSTOMER INFORMATION CENTER

Sony Drive, Mail Drop #73-1

Park Ridge, New Jersey 07656

SONY ELECTRONICS INC.

Sony Drive, Park Ridge, New Jersey 07656

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