

## Radio Cassette-Player

Operating Instructions

## sports WALKMAN

WALKMAN is a registered trademark of Sony Corporation.

### WM-FS499/FS497

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Printed in Malaysia

#### OWNER'S RECORD

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

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

#### For the customers in the U.S.A.

##### INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

#### SAFETY NOTES ON THE UNIT

##### WARNING

- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- Do not use headphones while driving, cycling, or operating a motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.
- To prevent shock hazards, never open the unit while it is connected to the power source.

##### CAUTION

- Do not use 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.
- Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

#### SAFETY NOTES ON POWER SOURCES

To avoid battery leakage, fire, damage, explosion, etc., follow the descriptions below.

##### DANGER

- Do not carry dry batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries are accidentally contacted by a metallic object.

##### WARNING

- Do not charge a dry battery.
- Check the  $\oplus$  and  $\ominus$  on the batteries, and be sure to insert them like the illustration in this manual.

##### CAUTION

- When you are not going to use your Walkman for a long time, remove the batteries to prevent damage from battery leakage and corrosion.

## About This Manual

The instructions in this manual are for WM-FS499 and WM-FS497. Before you start reading, check your model number. WM-FS499 is the model used for illustration purposes. Any differences in operation are clearly indicated in the text, for example, "FS499 only".

## Precautions

- Do not leave the unit in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, or in a car with its windows closed.
- Do not wind the headphones cord around the unit. The buttons may be kept pressed, causing unnecessary battery usage.
- Do not use cassettes longer than 90 minutes except for long continuous playback.
- If the unit has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.
- For cleaning the case, use a soft cloth slightly moistened with mild detergent solution. Do not use alcohol, benzine or thinner.

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

## Specifications

- **Frequency range**  
For U area indication:  
FM: 87.5-108MHz (0.1MHz step)  
AM: 530-1710kHz (10kHz step)  
For E area indication:  
FM: 87.5-108MHz (0.05MHz step)  
AM: 531-1602kHz (9kHz step)
- **Power requirements**  
3V DC batteries AA (R6) x 2
- **Dimensions**  
99.8 x 119.7 x 43.4 mm (4 x 4 ¾ x 1 ¾ inches) (w/h/d) incl. projecting parts and controls
- **Mass**  
Approx. 295g (10.5 oz)  
Approx. 375g (13.3 oz) incl. batteries and a cassette
- **Supplied accessories**  
Stereo headphones (1) / Belt clip (1) / Hand strap (1) (FS499 only) / Strap loop(1) (FS499 only)

Design and specifications are subject to change without notice.

## Troubleshooting

The volume is not turned up.

- AVLS is set to LIMIT.

The sound is unstable or no audio.

- Insert two size AA (R6) batteries properly.
- Replace all batteries if they are weak.

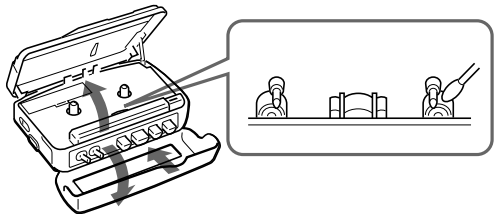
The display shows incorrect information

- The display may show incorrect information or the preset stations may not be recalled correctly when you use the unit for the first time, or when you have left the unit without batteries for a long time. In these cases, remove the batteries, and wait until the display disappears. Then insert batteries and turn the unit on again.

The preset stations and the current time will be canceled. Reset these functions again.

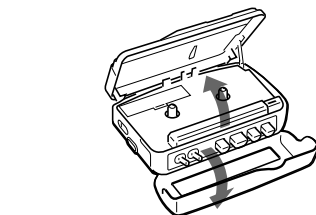
Poor tape playback quality.

- Clean the headphones plug.
- Dirty heads. Clean them with a cotton swab slightly moistened with cleaning fluid or alcohol.



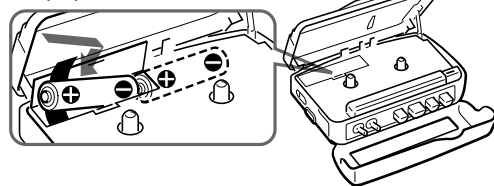
## Preparations

To open the cassette holder



To insert batteries

AA(R6)X2



Battery life (approximate hours)

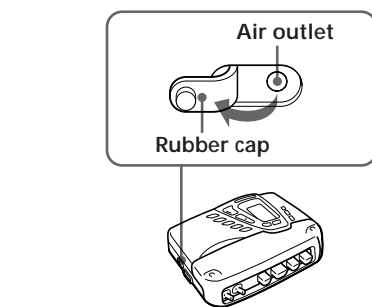
	Sony alkaline LR6 ( SG )	Sony R6P ( SR )
playback	22	7
radio	38	14

#### Notes

- When the batteries become weak, the sound will be unstable or cannot be heard. In such case, replace both batteries.
- Replace both batteries while the E indication comes on the display, or all the memories will be canceled.
- When replacing batteries, replace both batteries within 30 seconds; otherwise all the memories will be canceled.
- The battery life may shorten depending on the operation of the unit.

If the cassette holder cannot be opened\*

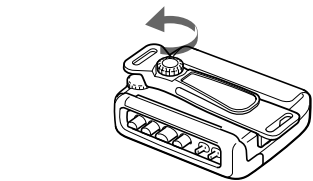
Open the rubber cap, then open the cassette holder. When the cassette holder opens, remember to close the rubber cap. (The Walkman is not water-resistant with the cassette holder open.)



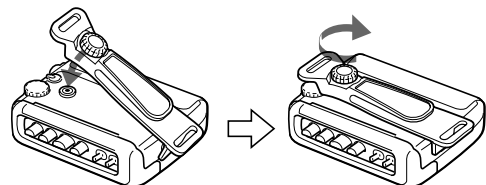
\* Since the Walkman is airtight, you may not be able to open the cassette holder because of sudden change in air pressure inside the Walkman which happens after being transported on a plane or moving from a warm place to a cold place.

To use the belt clip

Removing the belt clip

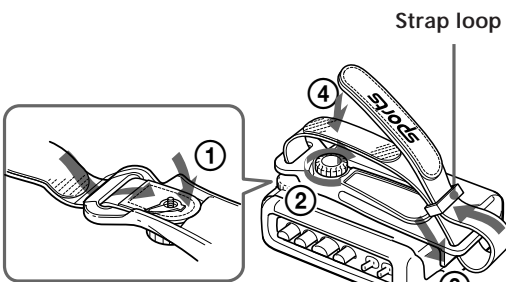


Attaching the belt clip



To use the hand strap (FS499 only)

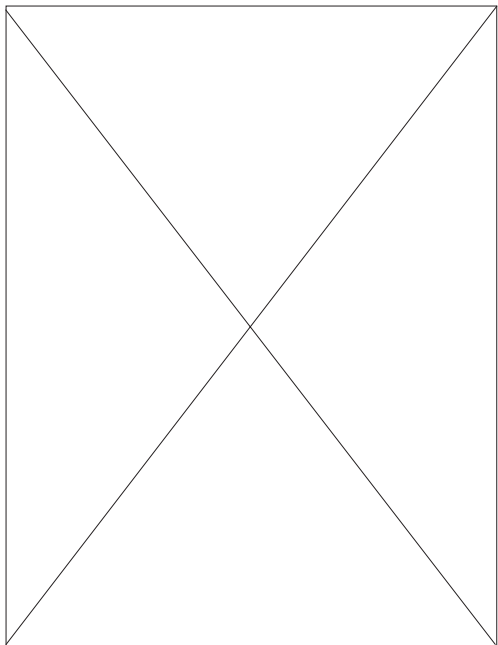
Attaching the hand strap



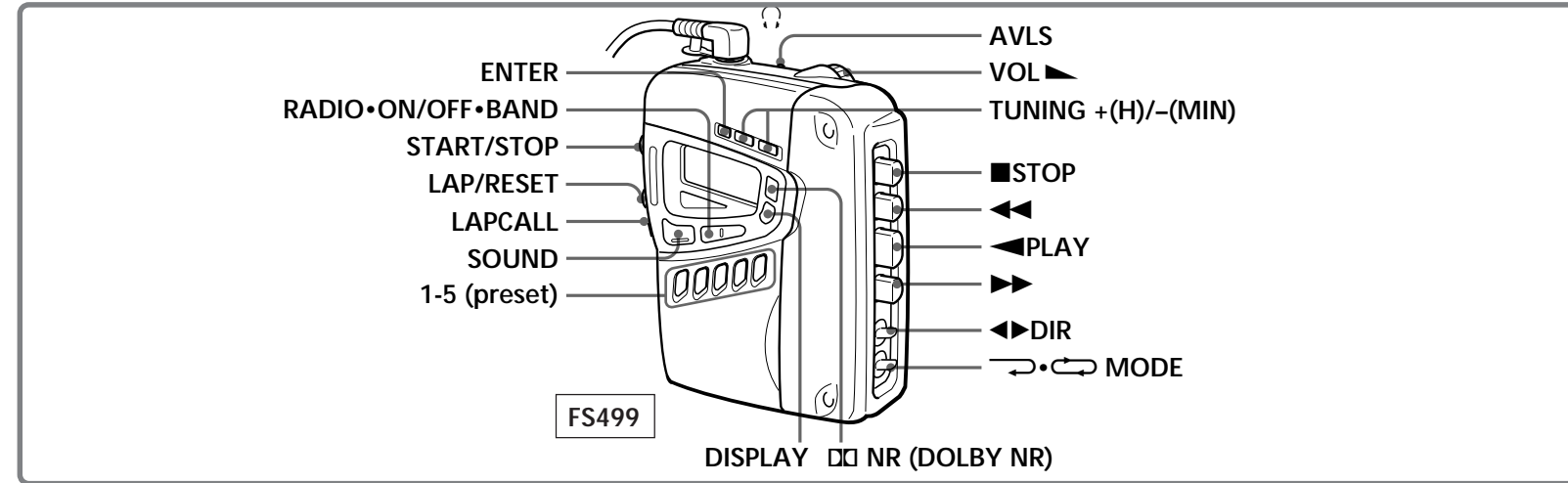
This warranty is valid only in the United States.

SONY

LIMITED WARRANTY

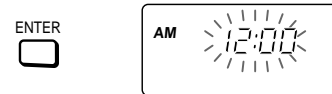


## Location of parts and controls

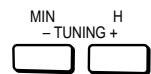


## Setting the clock

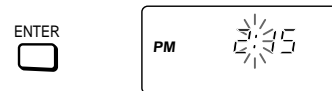
- 1 Press ENTER.  
The hour and minute digits flash.



- 2 Press TUNING +(H) or -(MIN), set the time within 10 seconds of flashing.



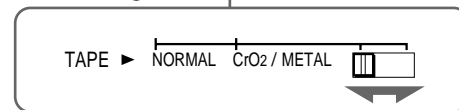
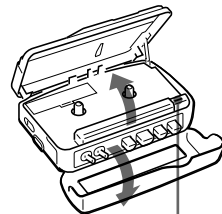
- 3 Press ENTER.  
The clock starts.



**Tip**  
The clock is on a 12-hour system.

## Playing a tape

- 1 Set TAPE to match the tape type.



- 2 Insert a cassette and press PLAY.



To	Press
Stop playback	■
Fast-forward or rewind the tape	▶▶ or ◀◀ (For the side facing forward)

## To limit the maximum volume automatically

Set AVLS (Automatic Volume Limiter System) to LIMIT. The maximum volume is kept down to protect your ears, even if you turn the volume up. To cancel the AVLS function, set AVLS to NORM.

### Tips

- To switch the playback side, set DIR to ◀ or ▶.
- To select the direction of the tape, set MODE to ▶ to play both sides of the tape once, or ◀ to play both sides repeatedly.
- To emphasize deep bass sound, press SOUND to select the desired mode. With each press, the indication in the display change as follows:  
MB (MEGA BASS): emphasizes deep bass sound  
GROOVE: emphasizes deeper bass sound  
NORM: off (normal)
- FS499 only: To play a tape recorded with the Dolby\* NR system, press NR and "NR" will appear. To cancel the NR function, press NR again.

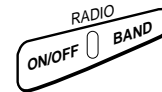
\* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol NR are trademarks of Dolby Laboratories Licensing Corporation.

### Notes

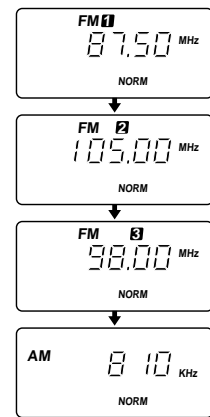
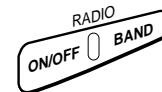
- When you set AVLS to LIMIT:  
- the MEGA BASS effect is reduced.  
- turn down the volume if the bass-boosted sound becomes distorted or unstable.
- Do not open the cassette holder while the tape is running.

## Listening to the radio

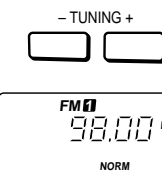
- 1 Press RADIO•ON/OFF.



- 2 Press RADIO•BAND to select the band (FM1, FM2, FM3 or AM).  
Each time you press the button, the display changes.



- 3 Press TUNING +/- to tune the station you want.



### To turn off the radio

Press RADIO•ON/OFF.

### To tune the station quickly

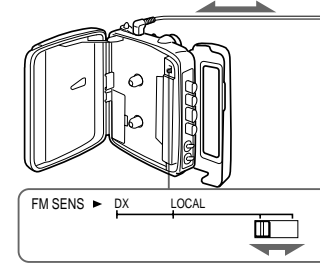
Hold down TUNING +/- in step 3. The frequency digits change quickly. When you release the button, scanning begins and automatically stops when it receives a station.

### To improve broadcast reception

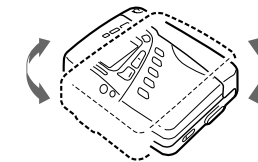
For FM, extend the headphones cord or set FM SENS.

For AM, reorient the unit itself.

### FM



### AM



### Tip

While listening to the radio, you can switch to the tape by pressing ◀PLAY, ◀◀ or ▶▶.

### Note

If the broadcast becomes noisy when a cassette with a metallic shell or label is inserted, remove the cassette.

### To listen to the radio abroad

The frequency range differs depending on the area. If you listen to the radio in an area of different frequency range, change the area indication in the display.

- 1 Turn on the radio and press ENTER for about 3 seconds to flash the display.
- 2 Press BAND for about 3 seconds while the display is flashing and then the "U" area indication flashes. While the "U" area indication is flashing, press BAND to change the area indication. Each press of the BAND changes the area indication (eg. "E"→"U"→"E"...). ("U": U.S.A. and Canada, "E": Europe and other countries).
- 3 Choose either the "U" or "E" area indication and then press ENTER to set the area indication.

### Notes

- If you change the frequency range, all the preset stations will be canceled.
- For "E" area indication, the clock is on a 24-hour system.

## To preset radio stations

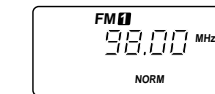
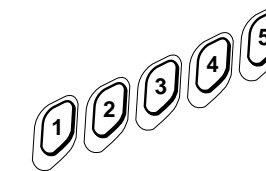
You can store radio stations into the unit's memory. You can preset up to 20 radio stations, 5 for each FM1, FM2, FM3 or AM bands.

- 1 Press RADIO•ON/OFF.



- 2 Press and hold 1-5 buttons for more than 2 seconds. The display flashes twice with a beep sound, the station is preset.

If a station is already stored, the new station replaces the old one.



### To play the preset radio stations

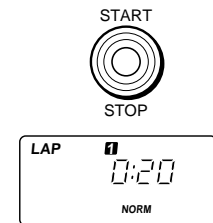
Press BAND to select the band, and then press the corresponding preset button.

## Using the Stopwatch

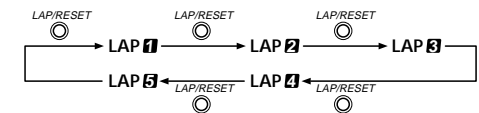
- 1 Press DISPLAY to enter the stopwatch mode.



- 2 Press START/STOP to start timing.



When you press the LAP/RESET, the lap time is stored as shown below. The lap time appears for three seconds in the display window. Up to five laps can be stored in the memory.



- 3 Press START/STOP to stop timing.



### To display the lap time

Press LAPCALL after stopping the timing. The lap time appears in order.

### To listen to the radio in the stopwatch mode

Press RADIO•ON/OFF to turn on the radio. The frequency appears for three seconds in the display window, and then the timing appears again.

### Note

- You cannot preset radio stations when using the stopwatch.