

## Radio Cassette Player

### Operating Instructions

## sports WALKMAN

WALKMAN is a registered trademark of Sony Corporation.

### WM-FS473

©1998 by Sony Corporation

Printed in China

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

#### 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. WM-FS473

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

#### 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

- Do not use headphones/earphones 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/earphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

#### CAUTION

- Do not use headphones/earphones 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 **+** and **–** 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.

## Specifications

- Frequency range  
FM: 87.5–108 MHz  
AM: 530–1710 kHz (North, Central, and South America)  
531–1602 kHz (other countries)
- Power requirements  
3V DC batteries AA (R6) x 2
- Dimensions  
104.2 x 127.3 x 51.8 mm (4 1/8 x 5 1/8 x 2 1/8 inches)  
(w/h/d) incl. projecting parts and controls
- Mass  
Approx. 260g (9.2 oz)  
Approx. 340g (12 oz) incl. batteries and a cassette
- Supplied accessory  
Stereo headphones or Stereo earphones (1)

Design and specifications are subject to change without notice.

## Precautions

- Do not drop the unit or give a shock to the unit, or it may cause a malfunction.
- 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/earphones cord around the unit. The buttons may be kept pressed, causing unnecessary battery usage.
- The LCD display may become hard to see or slow down when using the unit at high temperatures (above 40°C/104°F) or at low temperatures (below 0°C/32°F). At room temperature, the display will return to its normal operating condition.
- 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.
- Do not use cassettes longer than 90 minutes except for long continuous playback.
- For cleaning the case, use a soft cloth slightly moistened with mild detergent solution. Do not use alcohol, benzine or thinner.

#### On water resistance

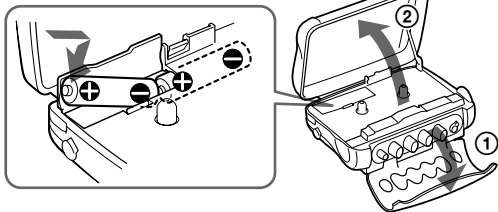
- Before opening or closing the cassette holder, be sure to wipe off water, dust or sand on the exterior of the Walkman. (The Walkman is not water-resistant with the cassette holder open.)
- Since water in the headphones/earphones jack may cause rust, cover it with the attached rubber cap when the headphones/earphones are not in use.
- 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 open the cassette holder, see “Troubleshooting”.
- The supplied headphones/earphones are not meant to be immersed in water or come in continuous contact with water. If they are accidentally dropped into water or get wet, dry them with a soft cloth. Never use an electric hair dryer.
- If the Walkman or the headphones/earphones are immersed in salt water, be sure to wash them in non-running fresh water. Never wash them under running water, and never use soap or detergent.
- Any sand or dust on the rubber packing will prevent the cassette holder from closing tightly, and water may leak in. Brush off the dust once in a while.
- We recommend the packing to be changed every year. Replacement packing is available at an authorized Sony Service Facility.

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

## Preparations

#### To Insert batteries

##### AA(R6)X2



#### Battery life (approximate hours) (EIAJ\*)

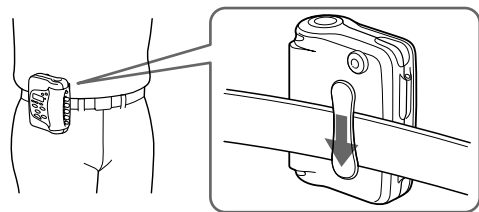
	Sony alkaline LR6 ( SG )	Sony R6P ( SR )
playback	12	3.5
radio	38	14

\* Measured value by the standard of EIAJ (Electronic Industries Association of Japan). (Using a Sony HF series cassette tape)

#### Notes

- The BATT indicator dims when the batteries become weak or exhausted. Replace them with new ones.
- 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.
- For maximum performance we recommend that you use alkaline batteries.

#### To use the belt clip



#### When Using Headphones/earphones

Wear the “L” marked side to the left ear and the “R” marked side to the right ear.

## Troubleshooting

#### The volume cannot be turned up.

- If “☺” appears for AVLS display, press SET so that “☹” disappears.

#### The sound is unstable or no audio.

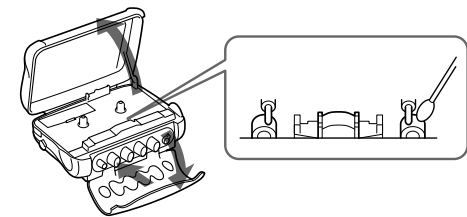
- Insert two size AA (R6) batteries properly.
- Replace all batteries if they are weak.

#### 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 will be canceled. Reset these functions again.

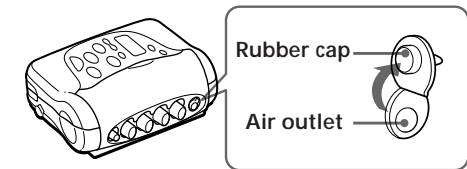
#### Poor tape playback quality.

- Clean the headphones/earphones plug.
- Dirty head. Clean the head and tape path with a cotton swab slightly moistened with cleaning fluid or alcohol.

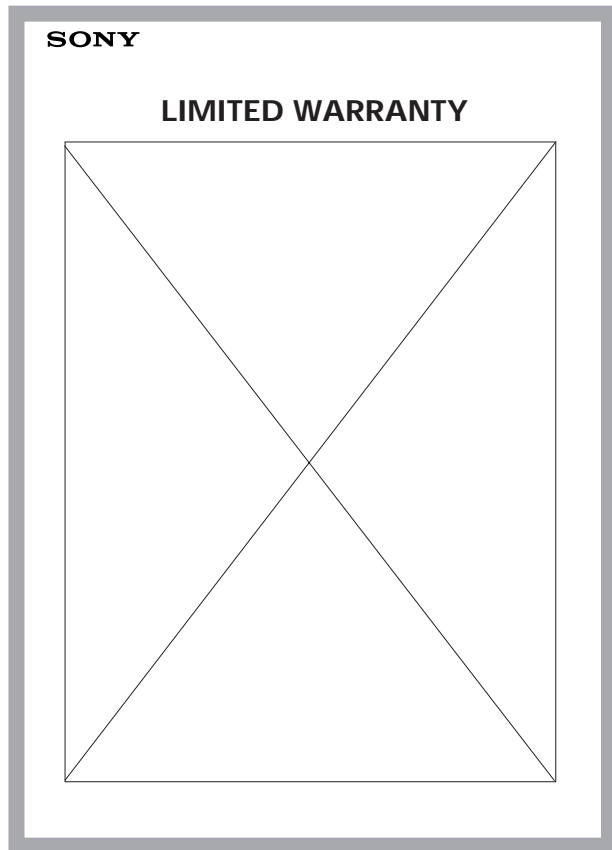


#### The cassette holder cannot be opened.

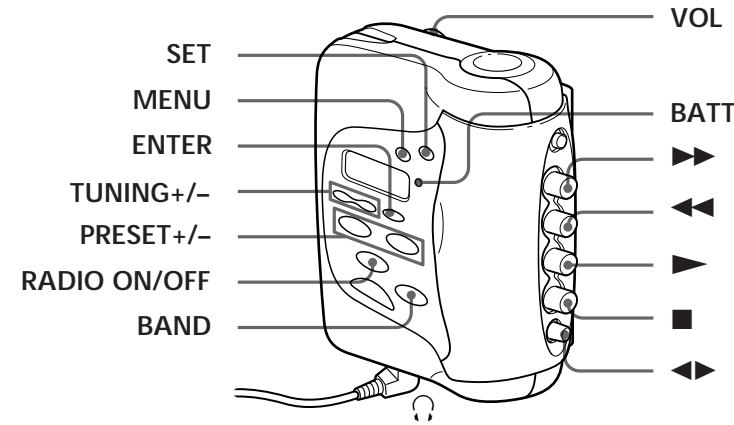
- Open the buckle and then the rubber cap. Then you can open the cassette holder. Once the cassette holder is open, remember to close the rubber cap to prevent intrusion of water.



This warranty is valid only in the United States.

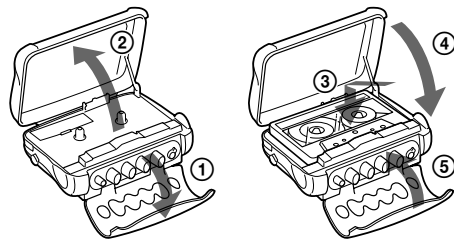


## Location of parts and controls

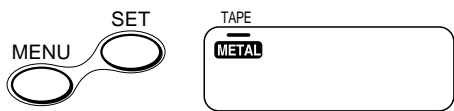


## Playing a tape

**1** Open the cassette holder and insert a cassette. Then close the cassette holder and lock the buckle.



**2** Press MENU repeatedly to set the cursor to TAPE in the display. Then press SET to select the tape type. No message: normal (TYPE I) METAL: CrO<sub>2</sub> (TYPE II) or metal (TYPE IV)



**3** Press ► (play).



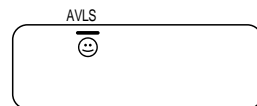
To	Press
Stop playback	■
Fast-forward or rewind the tape*	►► or ◄◄

### \*Notes on fast-forward and rewind

- Check tape direction and choose ►► or ◄◄ accordingly.
- If you leave the unit after the tape has been wound or rewound, the batteries will be consumed rapidly. Be sure to press ■.

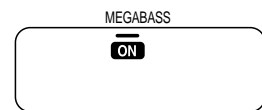
### To limit the maximum volume automatically

Press MENU repeatedly to set the cursor to AVLS in the display. Then press SET to show “☺”. The maximum volume is kept down to protect your ears, even if you turn the volume up. To cancel the AVLS function, press SET so that “☺” disappears.



### Tips

- To switch the playback side, press ◄►.
- To emphasize deep bass sound, press MENU repeatedly to set the cursor to MEGA BASS in the display. Then, press SET to show “ON”. To cancel the MEGA BASS function, press SET so that “ON” disappears.



### Notes

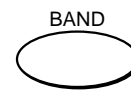
- When you turn on AVLS:
  - the MEGA BASS effect is reduced.
  - turn down the volume if the bass-boosted sound becomes distorted or unstable.
- Do not open the cassette holder while the tape is running.

## Listening to the radio

**1** Press RADIO ON/OFF.



**2** Press BAND repeatedly to select FM or AM.



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



### To turn off the radio

Press RADIO ON/OFF.

### To tune the station quickly

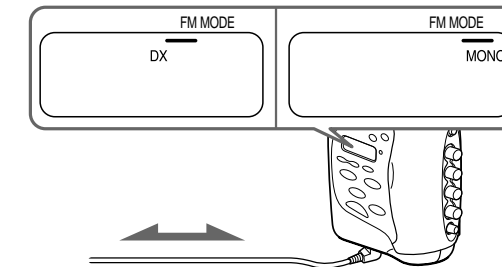
Hold down TUNING +/- in step 3. The frequency digits change quickly. When you release the button, scanning begins and automatically stops when it receives a station.

### To improve broadcast reception

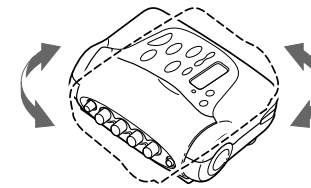
For FM, extend the headphones/earphones cord or adjust FM MODE (Press MENU repeatedly to set the cursor to FM MODE in the display, then press SET to choose from “DX” or “LOCAL”, or “MONO” or “ST”).

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.

## Presetting radio stations

You can store radio stations into the unit's memory. You can preset up to 16 radio stations for FM and 8 stations for AM.

### To tune in to and store stations automatically (Auto Memory Scanning function)

- 1 Press RADIO ON/OFF.
- 2 Press BAND repeatedly to select FM or AM.
- 3 Press ENTER until “A” appears in the display. The Walkman starts searching and storing stations. When a station is stored, the preset number appears.

### Note

If some stations are already stored, the new stations replace the old ones.

### To store stations manually (Manual Memory function)

You can preset the stations in any order.

- 1 Press RADIO ON/OFF.
- 2 Press BAND repeatedly to select FM or AM.
- 3 Press ENTER. The frequency digits and a preset number flash in the display.
- 4 While the frequency digits and the preset number are flashing, tune in to a station you wish to store using TUNING+/-, and select a preset number using PRESET+/-.
- 5 While the frequency digits and the preset number are flashing, press ENTER.
- 6 Tune in to a station using PRESET+/-.

### Notes

- If you cannot complete step 3 or 4 while the indications are flashing, repeat from step 2.
- If a station is already stored, the new station replaces the old one.

### To cancel the stored station

Follow the procedure above and in step 3, instead of tuning in to a station, press and hold TUNING+/- until “- - - -” is displayed. Press ENTER while “- - - -” is flashing.

### To play the preset radio stations

Press BAND to select the band, and then tune in to a station using PRESET +/-.

## Receiving stations outside your country (excluding models for Europe and Saudi Arabia)

The frequency range differs depending on the area (see the chart “Area indication and frequency range”). If you listen to the radio in an area of different frequency range, change the area indication.

- 1 Press RADIO ON/OFF to turn on the radio.
- 2 Press ENTER.
- 3 Press and hold BAND until the area indication flashes in the display.
- 4 Press BAND repeatedly to select the following area “Eur”, “JPn” or “USA” and press ENTER.
- 5 Tune in to and store stations as necessary following the procedure of the “Listening to the radio” and “Presetting radio stations”.

### Note

If you change the frequency range, all the preset stations will be canceled.

### Area indication and frequency range

Area*	frequency range	
	FM (MHz)	AM (kHz)
Eur	87.5–108	531–1,602
JPn	76–90	531–1,710
USA	87.5–108	530–1,710

\* Eur: European and other countries  
JPn: Japan  
USA: North, Central, and South America